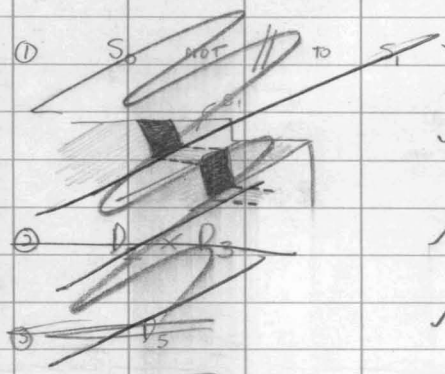
INDEX

1	7 L1	32	11 (23)	63	14 (7)	7 (2)	94	8 (73)	125						
2	16 L03/04	33	11 (26)	64			95	8 (18)	2 (4)	126					
3	16 L05	34		65	7 (5)	1 (9)	96	2 (10)							
4	18 (8)	35		66	1 (19)		97	2 (17)	3 (28)						
5	18 (16)	36		67	1 (33)	7 (6)	98	2 (25)							
6	18 – 17 (22) (4)	37	11 (24) 17 PHOTO	68	7 (12)		99	2 (31)							
7	17 – L39 11 (10) (6)	38	21 (29) 14 (12)	69	7 (15)		100	8 (35)	2 (34)						
8	11 (14)	39	14 (19)	70	8 (51)		101	2 (30)	8 (90)						
9	23 (13)	40	14 (28)	71	8		102	8 (13)	2 (41)						
10	24 (22)	41	14 (44)	72	8 (63)		103	2 (62)							
11	23 – 16 (29) (3)	42	14 (55)	73	3 (25)		104	23 (36)							
12	16 (10) – L49 17 – 22 (8)	43	21 (35) 14 (54)	74	3 (4) (32) 10 (13)		105	23 /							
13	22 (9) – 21 (3) – 15 (23)	44	14 (18) 15 (26)	75	10 (25)		106	23 (36) 22 (21)							
14	L23 15 (8)	45	17 – 3 L27 (14) (3)	76	10 (29)		107	22 (23)							
15	L23 15 (9) – 22 (20) – 21 (5)	46	3 L27 (18)	77	4 (31)		108	15 (53)							
16	8 (10)	47	3 (13)	78	4 (42)		109	15 (57) (61)							
17	8 (16)	48	10 (2) (3) (15) 10 (11)	79	4 (47)		110	15 (60) 14 (58) 8							
18	L27 (8) 3	49	12 – 20 11 (22)	80	/		111	14 (82) 7 (46) 8 (49)							
19	L27 (13) 3 L24 (9)	50	11 (35)	81	15 (34)		112	7 (48) 1 (42)							
20	L27 (15) 3 – 12 (7)	51	4 (13)	82	15 (39)		113	1 (52)							
21	12 (10)	52	4 (20)	83	21 (47) 16 (17)		114	1 (54) 8 (64)							
22	12 L28 (12)	53	3 (17) 9 (23)	84	16		115	8 (F7) 7 (66)							
23	12 "	54	9 (31) 15 (24)	85	10 (38) 11 (37)		116	(F12)							
24	L29 (5) 17 L30 (13)	55	10 (30)	86	7 (21)		117	(F15)							
25	21 (27)	56	10 (12)	87	7 (27)		118	/							
26	21 (23) 16 L31 (6)	57	12 L28 (20) 3 L27 (18)	88	7 (32)		119	(F20)							
27	16 L31 (8)	58	8 (24)	89	7 (33)		120	(F26)							
28	9 L33 (3)	60	8 (29)	90	7 (44) 17 (24)		121	7-8							
29	15 L34 (12) 16 L32 (10) 9 (19)	61	8 (34)	91	17 (36)		122	2-7 & 8							
30	9 (22) 15 (25) 16 (15)	62	8 (42)	92	21 8 (70)		123								
31	17 (16)			93	—		124								

PHOTOS.



① S_0 NOT // TO S_1 ✓

W. WALL RAMP. ✓

AT 3910 ✓

② D × B_3 ✓

" ✓

AT 3970 ✓

③ D_5 ✓

ST (25), 3950 ④ 1e" NOT // S_0, S_1, S_2, S_3 ✓

SHEET 8.

SHEET 4 ⑤ MAJOR HINGE, S_1 ~~VIRTUAL~~ NORTH, STEEP ✓

3960 S_2 SHALLOW SW.

SHEET 12 (19) ⑥ ~~SHORTIE~~ ~~[illegible]~~ TO MATRIX ✓

SHEET 2 (17) ⑦ ~~FOLDED~~ ~~[illegible]~~ LAYER ✓

SW CORNER

STAT 82. ⑧ ~~CURVED~~ F_1 LINEATIONS ✓

SHEET 8.

SHEET 22 ⑨ D_5 KINKS, SLIPS ETC

NO (23) ✓

SHEET 15 ⑩ N_2 FOLD

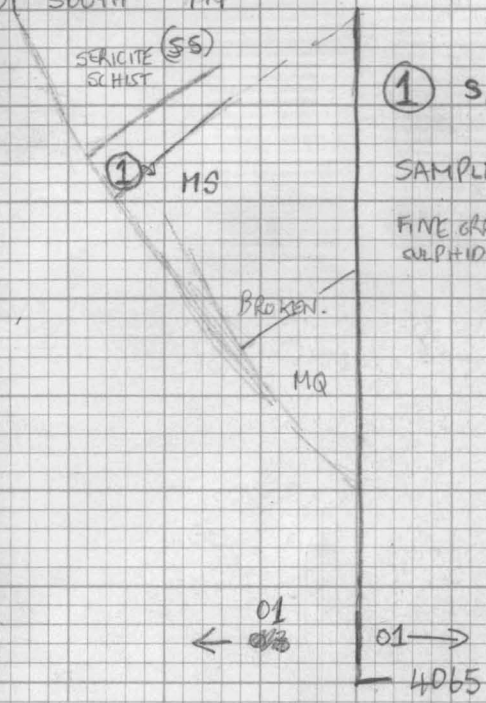
(54) ⑪ S_4 SHEET 12

JUNE 4TH.

LINES 01/02 BENCH 4065 DECLINATION 33°

LOOKING NORTH = 171°

01 SOUTH 171°



(1) S_{o-2} 078/26S

SAMPLE 0101

FINE GRAINED BANDED MASSIVE SULPHIDE (MS)

16 JUNE 5.

LINE 03

LOOKING W. 075°

" E 075°

STN ① MASSIVE SULPHIDE PY PORPHS, GALENA, VUGGY

S_{0-2} 138/46 SW SAMPLE 0301
MARKED

② SAME S_0-2 051/24 SE
SAMPLE 0302

③ " S_{0-2} 111/35S

④ " " 075/35S

⑤ " FAULT ZONE 151/90
SAMPLE 0305

FROM WEST WALL OF ZONE, E SURFACE MARKED
FOLIATED IN PYRITE

⑥ " FAULT ZONE 165/78W
SAMPLE 0306

OF GOUGE, E. SURFACE MARKED

LINE 04

LOOKING S 025°

N 023°

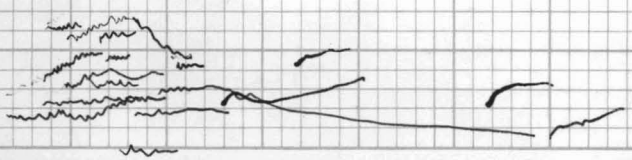
① SAME S_{0-2} 113/41S SAMPLE 0401

LINE 05

LOOKING NORTH 307

SOUTH

① SAME S_0=2 068/20 SE SAMPLE 0501



18

BS - BIOTITE SCHIST

JUNE 12 - SHEET 18

① BS S_2 119/52S
F_2 rodding 119/HORIZ.

② Contact with dyke. 104/80N VAR.
- cream (brown) alt'd (qtz)+porphyritic felsite
graphitic gouge // contact

③ S_2 056/52SE in clay altered qtz-rodded CSG? band (planar S_2, banded, greenish, may be Tuffaceous, overlying altered BS with ~50% rods

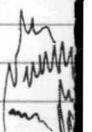
④ FS - PORPH - ANDESITIC
② MAY BE ALT'N PROD

⑤ CONTORTED SCHISTOSITY IN BS

⑥ S_2 101/51S
GRAPHITIC SCHIST (GS

⑦ As ②

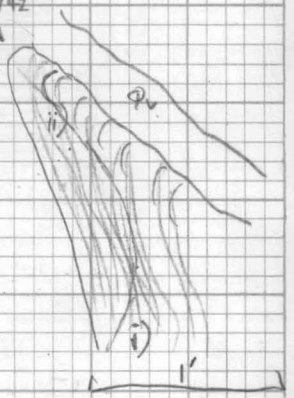
⑧ MBS S_2 118/51S
- Bleached BS at dyke contact
F_4 crens 116/4
F_2 rods 117/HORIZ



/1

9. BS
F_2 rod 140/18
S_2 129/59S
F_4 crens 140/15

(10) BS
F_2 folds in quartzose BS. 129/30
F_4 119/42 at margin of qtz vein.
i) S_2 116/62S
roddning 271/33
Bi LIN 182/53
ii) S_2 090/60S
roddning 205/58
Bi LIN 162/57

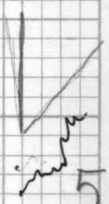


(11) Bi LIN 176/57
S_2 118/60
F_2 rod 118/HORIZ

(12) GREEN CHLORITIC SCHIST WITH "TALCOSE" UPPER CONTACT

(13) BS S_2 114/71S
Bi LIN 152/59
F_4 crens 119/15
F_2 rods 121/22

(14) - (13) F_2 meso folds in quartzose BS.



(15) BS S_2 121/85S
F_2 rods 113/8

(16) F_2 MULLION 123/31
S_2 103/64N

18-17

(17) BS S_2 147/68S (NOT REP.)
S_2 104/63S
F_2 rods 125/18

(18) BS S_2 129/52S
F_2 rods 306/5
B1 LIN 184/47

(19) B.S S_2 117/50S
F_2 133/19

(20) GGS S_2 123/56S
F_2 135/16

(21) MUS 125/52S

(22) GRAPH SHEAR 109/77S
& GOUGE S_2 112/40S - bleached MUS

SHEET 17

(1) S_0 181/45W
MS/SS CONTACT
F_3? folding 238/37

(2) S_2 108/47S
GREY MUS (GRAPH?)
F_4 CRENS 123/9.

(3) MS S_{02} 098/25S

(4) MS " 087/21S

b ? FAULT PLANE // FACE 184/85 W

17-11 ✓

⑤ ARTIC Q. (PQ
S_0 022/34E

⑥ SS S_2 129/32S
F_2 rod 129/HORIZ

⑦ S_2 134/51SW

⑧ F_5? LIN 248/49

⑨ S_2/S_0 104/60S CONF CONTACT
F_5 240/43 Cens, fold

⑩ S_{02} 140/30
Bleached zone above MS

SHEET 11

① MS 081/45S BANDING
BIG PY PORPHS

② MS 110/35S "

③ MS 132/50S "

④ GLEY SS/MUS S_2 101/45
F_4 274/4 CRENS
F_3? 185/49 F_1?

⑤ MQ S_2 118/49S
minor anthicline

⑥ QMS S_2 115/52S

7

11

⑦ S_2 117/49S
F_4 295/7 STRONG CRENS

SS

⑧ SS S_2 135/33 SW
F_4? 286/15 — MICRO KINKS
F_3 LIN? 180/35

⑨ MS S_{02} 100/37S

⑩ S_2 121/47S
F_4? NO 281/24 P_5? KINKS
F_4 138/15 CRENS
MQ IN MS

⑪ 171/45 W
ODD FOLD STRUCTURE

171/45 113/50

⑫ GREY MQ S_{02} 156/31W
IN MS

⑬ MQ IN MS S_2 159/46 SW

⑭ " " S_2 127/58 SW
? F_5 234/53 CRENS
" 299/8 KINKS & MICRO FISSURES.

8

JUNE 12

SHEET 23

① CSG S_{12} 104 / 22 S

② " " 143 / 24 S

③ " " SUB-HORIZ.

④ " " 121 / 21 S

⑤ FAULT 083 / 56 N SUB HORIZ SLICKS

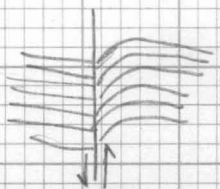
⑥ CSG S_{12} 058 / 18 SE

FAULT/CONTACT 146 / 78 W WITH FS PORPH DYKE

⑦ " 132 / 74 W - DYKE IS SEAMED WITH THESE SHEARS

⑧ S_0 089 / 75 S CONTACT WITH DYKE

⑨ FAULT 143 / 88 W ASSOC WITH WARP



$P.P. \equiv F_3$?

∴ F_3 POST DYKE

S_{12} 127 / 19 S

⑩ CSG S_{12} 059 / 31 SE

⑪ " " SUB HORIZ

⑫ FAULT ~ 073 / 90

CSG S_2 073 / 53 S ON NORTH SIDE

F_5 ?

⑬ " " 077 / 34 S

SHEET 24

24

(14) S_{12} 096/35S ALT'D PUNKY CSG

(15) GS 085/37S
- TALCY GREY GRAPH-MUS

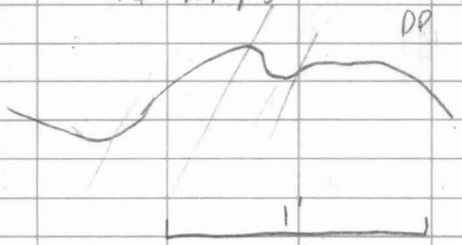
(16) BS 070/10SE, dome GCS

(17) FAULT/GS. 043/80 SE

(18) S_{12} 103/12S ALT'D CSG (BEHIND IN BS?)

(19) GS S_2 084/28S
F_2 RODS 143/24 IN UNDERLYING BS

(20) S_4? 098/55 N
F_4 107/13



(21) S_2 057/30S
ALT'D CSG

(22) BS 125/18S

10

23
-16

SHEET 23

(14) 140/22SW

ORIENT QUARTZ VEIN VAR OF BS

(15) BS S_2 132/45SW

(16) $S_{1,2}$ 129/29SW ACSG

(17) " 087/35S "

(18) " 059/45S " ABOVE LENS OF GREENSTONE

F_3 163/29

S_3 STEEP/W.

(19) $S_{1,2}$ 114/16S

(20) $S_{1,2}$ 138/12NE LOCAL

SHEET 16

(1) 129/24S BS → SS

(2) 117/27SW "

(3) 124/33SW SS WITH BEAUT ANDALUSITE ROSETTES

(4) 108/36S "

(5) 125/22S "

(6) 168/10W " " SOME B.

(7) 143/36SW "

(8) 108/30S "

11

16-17-22

⑨ S_2 127/25S SS AND PORPH SOME BI

⑩ S_2 119/23S " "

LINE 19

SAMPLE 1901 — 013/79W FAULT PLANE

" 1902 — UNORIENTED

SHEET 22

① CSG S_{12} 174/10W

② contact CSG/A 176/68W

③ CSG S_{12} 128/15S

④ CSG S_{12} 178/34W

⑤ F_3 CRENS 165/HORIZ CSG
S_2 163/3W

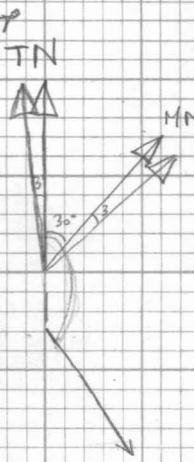
⑥ CSG QTZ BUDDINS 215/26
S_2 154/17SW
CRENS 162/1

⑦ " S_{12} 132/5S

12 ⑧ " " 119/21S

22-21
-15

(9)	"	"	148/26 SW
(10)	"	"	139/29 SW
(11)	"	"	132/26 SW
(12)	"	F_3 CRENS	162/9
		S_3	162/10
		S_{21}	132/8 S
(13)		S_{12}	148/21 SW



SHEET 21

1	"	"	141/31 SW

SHEET 22

(14)	"	"	147/16 SW
	FAULT		160/81 W NORMAL?
(15)	"		165/74 W
	CSG	S_2	163/20 W
(16)	"	"	154/26 W

GNEISSIC GOUGE ZONE

LINE 23 — SHEET 15

2301	MS	063/42 SE MARKED
		122/27 MAY BE F_2
		DIRECTION & PROFILE MARKED
		ON W LIMB OF GOOD D_3 FOLD
2302	MS	038/39 SE MARKED

15

X 2303	MS		027/37SE
	FOLIATED	Pb WRAPPED ROUND Py	DISMEMBERED BOUDIN

~~DECLINATION RESET TO 33° FROM 30°~~
ALL PREVIOUS READINGS CORRECTED BY ADDING 3°

X 2304	MS		015/14 W
X 2305	PORPH Py MS		029/20 W = S_2? X CHECK SAMPLES

SHEET 15

①	MQ	S_2	090/15S	
②	FAULT.	S	083/64S	
③	AMPHIB/GCS	S_{12}	094/20S	
④	QT2OSE GREY MUS	S_2	069/36SE	
⑤	"	F_4?	085/8	VP PLUNGE
		S_2	083/29S	
⑥	"	S_2	098/29S	
⑦	"	S_2	113/30S	
		F_5 crens	165/25 faint	AND PORPHS COMING IN
⑧	"	S_2	097/23S	

14

⑨ FAULT PLANE 077/66S 15-22-21 √

-15

SHEET 22

⑰ CSG F_3 WARPS 165/14
S_2 128/24 S

⑱ " " 126/24 S

⑲ " 084/45 S

GR. GREY MUS

⑳ GR. " 109/21 CONTORTED

SHEET 21

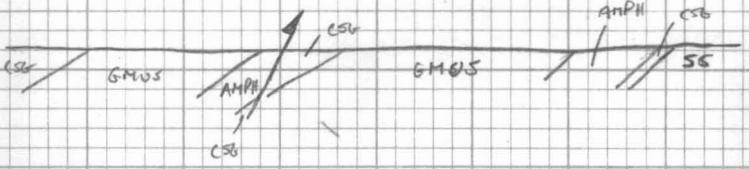
② GRAPH MUS S_2 125/10 S
BANDS OF ALT'D CSG

③ " " " 145/28 S W

④ " " 104/36 S AND PORPHS.

⑤ AMPH 114/24

THIS BENCH — REPETITION



LINE 23

⑦ 2307 MARKED 020/51 SE ? S_2 // FAULT PLANE

⑧ 2308 " 059/36 SE ? S_2 "

⑨ MS S_2 048/56 S

2309 002/76 W

E FACE MARKED

15

SHEET 8

①	QTZITE GREY MQ	S_2	077/40S
②	"	S_2	144/25 N E
		? F_3 crenu	136/9
③	"	S_2	008/33 E
④	"	S_2	057/28 SE
	rodds	F_1	165/30
⑤		F_1	148/2
		F_3	132/14
⑥	SS/MQ	S_2	173/43E
		F_3	157/15 crenu
		S_3	130/73W
⑦	SS/MQ	S_2	149/50 NE
		F_3	147/4
⑧	FAULT MQ		094/75 N
		S_2	112/29S
⑨	SS	S_3	134/70
		F_3	143/27
⑩	SS	S_2	100/31

FINE CRENS

RODDING.

16

GOOD S_3 CREN CLEAN.

(11) 120/34 S$_2$ IN MQ

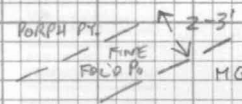
(12) 105/30 S " " "

LINE 25

2501 011/86 E (E FACE MARKED)

FINE FOLD PO AT LOWER CONTACT

AGAIN WE HAVE



2502 046/90 NW FACE MARKED

(13) 093/74 N FAULT SS/MS

(14) SS S$_2$ 136/50 NE
F$_3$ 154/11
S$_3$ 148/69 W

(15) SS S$_2$ 119/33 SW

(16) MQ 078/24 S

2401? 178/27 E

3 ✓
JUNE 16

LINE 27 - SHEET 3

① FAULT 015/82E VAR.

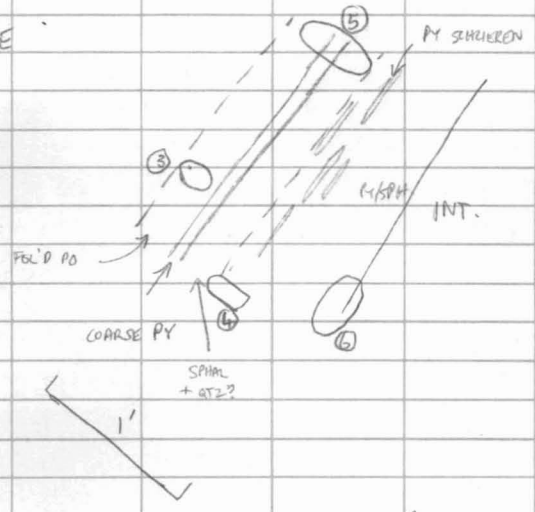
② INTRUSIVE, STRONGLY KAOLINITIZED
SMALL ROD TO RIGHT V. STRONGLY ALT'D

③ 2703 028/38 W MARKED

④ 2704 175/34 W "

⑤ 2705 078/57S "

SEQUENCE



⑥ 2706 130/80 NE (SW FACE MARKED)

⑦ FAULT 157/75 W
074/21 N
S02

18 ⑧ 2708 149/81 W MARKED (W FACE)
= S_3?

SLICKS // F_3 ? → ?

3V

⑨ S_{02} 019/38 W

LINE 26

① FAULT 023/90 AXIAL PLANAR TO FOLD
S_{02} 111/18 N

② " 115/23 N

③ " 124/45 NE

④ 2604 " 126/70 N S FACE MARKED

⑤ 2605 FAULT 168/90
E SIDE OF FAULT ZONE

⑥ S_{02} 085/34 S
Po RICH FOL'D WITH PY COARSE BLEBS.

⑦ 2607 076/33 S
SOME EUHEDRAL SQUARE PY (¼") IN Po.

⑧ 2608 UNORIENTED FROM SCREE

⑨ 2609 009/44E

LINE 27

⑩ S_{02} 168/30W

⑪ MPy " 030/22W
FAULT 170/75 W

⑫ 2712 S_2 008/69W
COARSE FOL'D Py

⑬ Py S_2 157/23 W
SANDY FOLIATED

19

3-12

(14A) FAULT 176/72W

(15A) S_{002} 005/42W

COARSE Py

SHEET 3 29

(1) MS S_{02} 036/27W

(2) ALT INT $S_{2?}$ 017/70W

SHEARED

SHEET 12

(1) BS S_2 162/17E

(2) " S_2 029/44E SOME GCS

(3) " $S_{4?}$ 070/40S REGULAR OBLIQUE JTING

$F_{4?}$ 096/10

(4) " S_2 017/5E

(5) " " 048/24SE

(16) BI LIN. 202/11

F_5 FISSURE 061/80 NW

F_2 RODDING 101/14

(6) S_2 042/37SE

HORIZON OF GCS ABOVE BS

(7) " S_2 104/21S

F_3 160/12

BI LIN & CRENS

20

⑦ CONTD S_4? 087/47S
F_4? 100/6

⑧ S_2 101/26S

⑨ S_4 095/56S

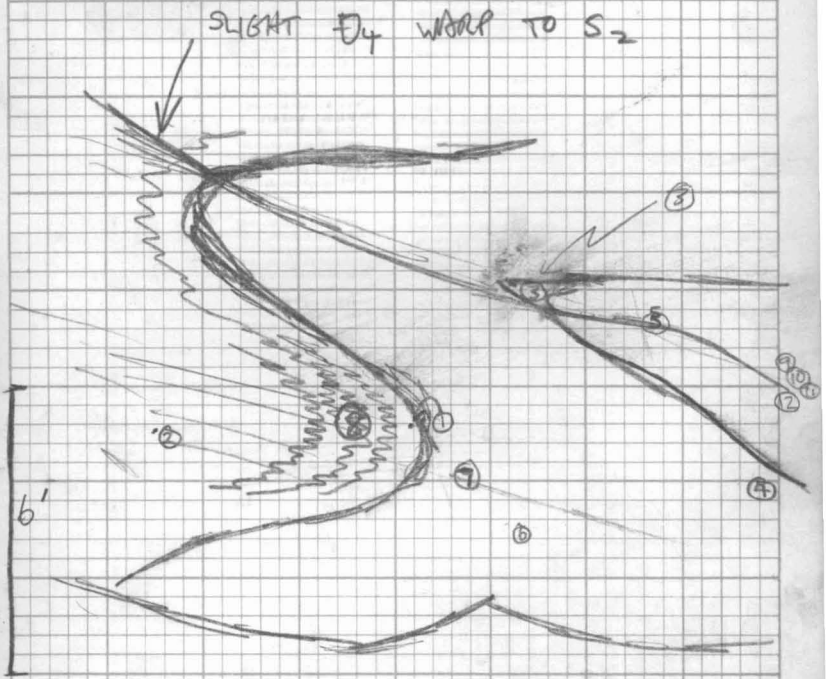
F_4 100/12

⑩ S_4 ✓ 089/54S – CRENCLEAV.
F_4 ✓ 094/5
S_2 096/35

12

① ✓	F_2	096/7		
②	S_2	100/21	2802	
③	JT	012/82 W	2803	
④	S_1	123/38 SW	2804	
⑤	S_1	132/25 SW	2805	
⑥	JT	004/75W	2806	
⑦	S_2?	080/39	2807	
⑧	JT	012/76	2808	
⑨	JT	145/74W	2809	} BANDING IS S_1
⑩	"	144/65 W	2810	}
			COARSE	SULPHIDE ON FAULT
⑪	"	143/72W	2811	
⑫	JT	162/68	2812	

BANDING IS S_1



PROFILE SECTION

LINE 28

LINE 29 SHEET 17

① JT. 094/66 N 2901

② S_{02} 090/245 MB 2902

(LINE 30) SHEET 17

⑪ S_{02} 117/85

⑫ 3012 054/77 NW MARKED

⑬ S_{02} 112/16 S

LINE29

③ FAULT 152/71 W

④ F_2 149/2

5S. S_1 [redacted] S_2

NICE D FOLDS WITH Py PORPHS

OVERGROWING S_2

⑤ S_2 145/52 SW

5S

24

SHEET 21

⑥ CSG S_{12} 098/19S

⑦ " " 098/56S slight downwarp at possible break.

⑧ " " 086/18S

⑨ 084/20 S

F_2 boudin plge 083/5

⑩ 061/45 NW

⑪ 12/56 S

F_3 crests 138/33

⑫ F_2 ROD 296/9

S_{12} 145/23SW

⑬ " S_{12} 150/30SW

⑭ " FAULT 061/71 NW

⑮ " S_{12} 070/61S ALT CSG

FAULT 081/22 S

⑯ " 090/75 N

CSG S_{12} 095/38S

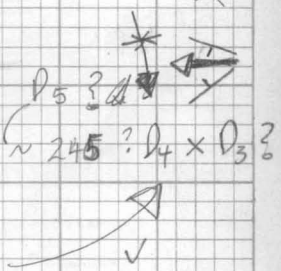
⑰ " " 113/26S

⑱ CONTACT 13/2a N NORMAL TO BENCH FACE, VAR.

⑲ 2a' ACSG. S_{12} 141/19 NE AT CONTACT CSG V. ALT D.

⑳ FAULT 141/64W

S_{12} 108/25S



25

21-16

(21)	CSG	S_{12}	117/14 S		
(22)	"	"	114/20		
(23)	"	"	135/33		
(24)	"	"	108/30 S		
(25)	"	"	131/26		
(26)	"	"	110/17		
(27)	"	"	108/29		
	F_2	CRENS	153/20		
(28)	"	S_{12}	109/26		
LINE 31					
①			052/46SE		
L ②	3102	JT	175/55E	MARKED	
		S_{02}	035/29 SE		
③	3103		167/90	E FACE	MARKED
④	3104	JT	167/52 E		
		S_{12}	127/35 S		
⑤	3105	JT	026/90	SE FACE	MARKED
⑥		S_{02}	015/12	SE	
	CONTACT	BETWEEN	PORPH	BY & FOLIO	Po

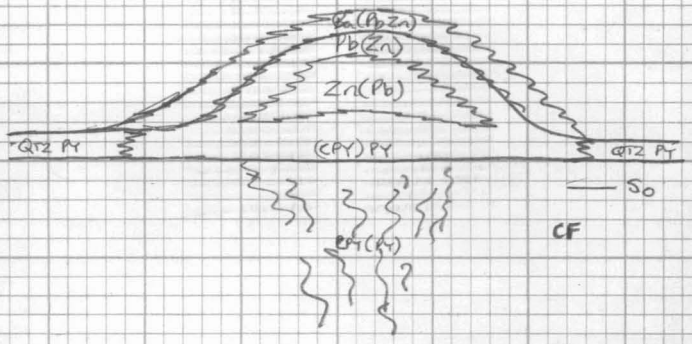
26

⑦ 3107 JT 142/87W E FACE MARKED V 16

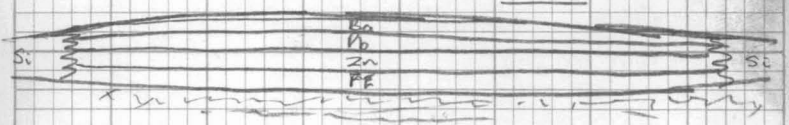
S_{02} 009/31E

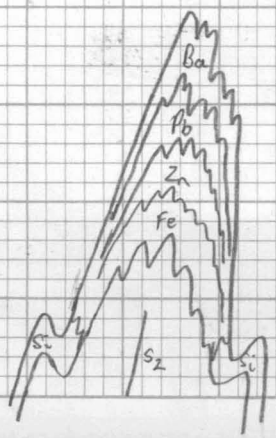
⑧ FAULT PLANE 137/83W

CONTINOUS WITH ZONE ON LINE 03



S_1 CF MATTABI





27

JUNE 21

SHEET 9 LINE 33

① 3301 157/77W MARKED (EFFACE)
PARTIE DE MS

② MQ +S S_{12} 125/19N
rodding 078/12

③ 3303 042/30 NW

④ MQ S_{12} 158/57 E
F_3 RODDING 156/3

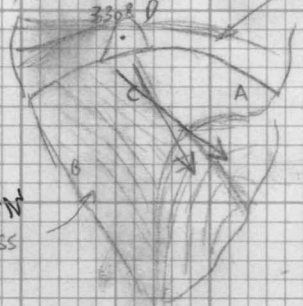
⑤ MQ S_{12} 006/58
CURVILINEAR RODDING 150/42

BASIN N DOME

⑥ SS S_2 099/46S

⑦ FAULT 048/85 NW

⑧ PD FOL
3308 D
NOT PARALLEL
FOL X DISCORDANT MARGIN



3308 – 017/65E
MARKED

A S_2 074/47N
B S 001/81E
C (F 018/54)
F_3? 341/34
S_3? 168/72W
D FOL 128/81SW

FOLD MAY BE EXOTIC BLOCK WHOLE ISSUE N IN SITU.

SS

28

15-16-9

SHEET 10 LINE 34

(10) Po-MS S_{02} 140/48 SW

(11) " 3411 007/69E MARKED

(12) MQ S_{12} 031/40 SE

F_3 CREEK 138/40

A1 LOT OF DISCORDANCE

LINE 32

(1) Po/Py CONTACT S_{02} 010/83W (E FACE MARKED)

3201 BANDING/FOL

(2) 3202 FOLDED POR? 062/63 SE MARKED

(3) BANDED POROH PY S_{02} 175/18 E

(4) " " 3204 076/71N MARKED

SHEET 9

(9) POR PY BANDING 154/24 E

3509 — 053/89NW, SE FACE MARKED

(10) MQ S_{12} 128/31 SW

F_3 CREEK 147/17

29

JUNE 21

9-15-16

(11) MUS S_3 126/71W

S_2 089/37S

F_3 140/30

(12) MQ S_2 085/19S

SHEET 15

(13) " 132/125W → QTZOSE MUS

(14) " 095/32 → " "

(15) PORPY 136/25 SW

(16) 3616 MARKED 057/49 NW

(17) FAULT 029/73W

(18) BANDED PORPY S_{02} 116/5 NE

3618 011/85W E FACE MARKED

(19) " 3619 135/60 NE MARKED

MAY HAVE S_3

(20) " S_{02} 169/15 E

(21) MQ S_{12} 134/72 NE

(22) FAULT 172/72W

SHEET 16

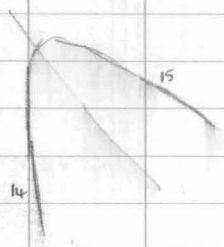
(11) CONTORTED SS

(12) PO S_{12} 130/57 SW

(13) PORPY " 145/48 SW

17 SHEET 17

(14)	S_2 (?)	185 /82 SW	
(15)	"	155 /37	
(16)	55	152/65 SW	



JUNE 22 SATURDAY FINE.

SHEET 11 LINE 37

(15) S_{12} 124/515

leaf of MQ IN PORPY

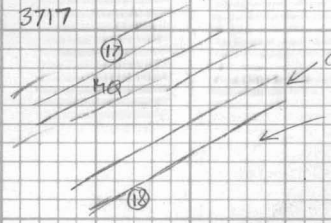
(16) FAULT 040/90

(17) MQ leaf — PERHAPS NOT, AS SUBSTRAT IS MPY some one displaced on fault?

S_{12} 095/455 MARKED

RODDING 212/45 F_1?

3717



(18) 3718 S_{02} 128/40 MARKED BANDED

(19) MQ S_{12} 132/545

FISCREN LIN. 150/32

(20) MPY, BANDED. S_{02} 126/055

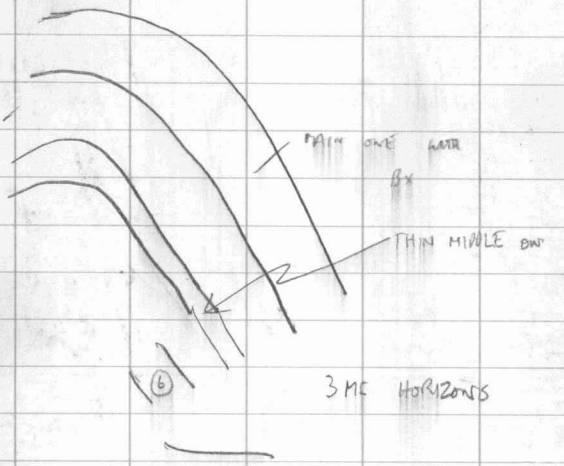
(21) PORPY " 118/455

(22) MPY " 127/485

(23) 3723 " 114/525 LINEATED? MPY

LIN 186/52

11 LINE 15 - 16



SHEET 11

(24) MQ S_1 066/20 S

rodding 195/13

UPPER LIMB OF F_2 ISOCLINE

(25) 38 25 - F_2 ? FOLD NOSE

(26) MAY BE S_2 D_4'd

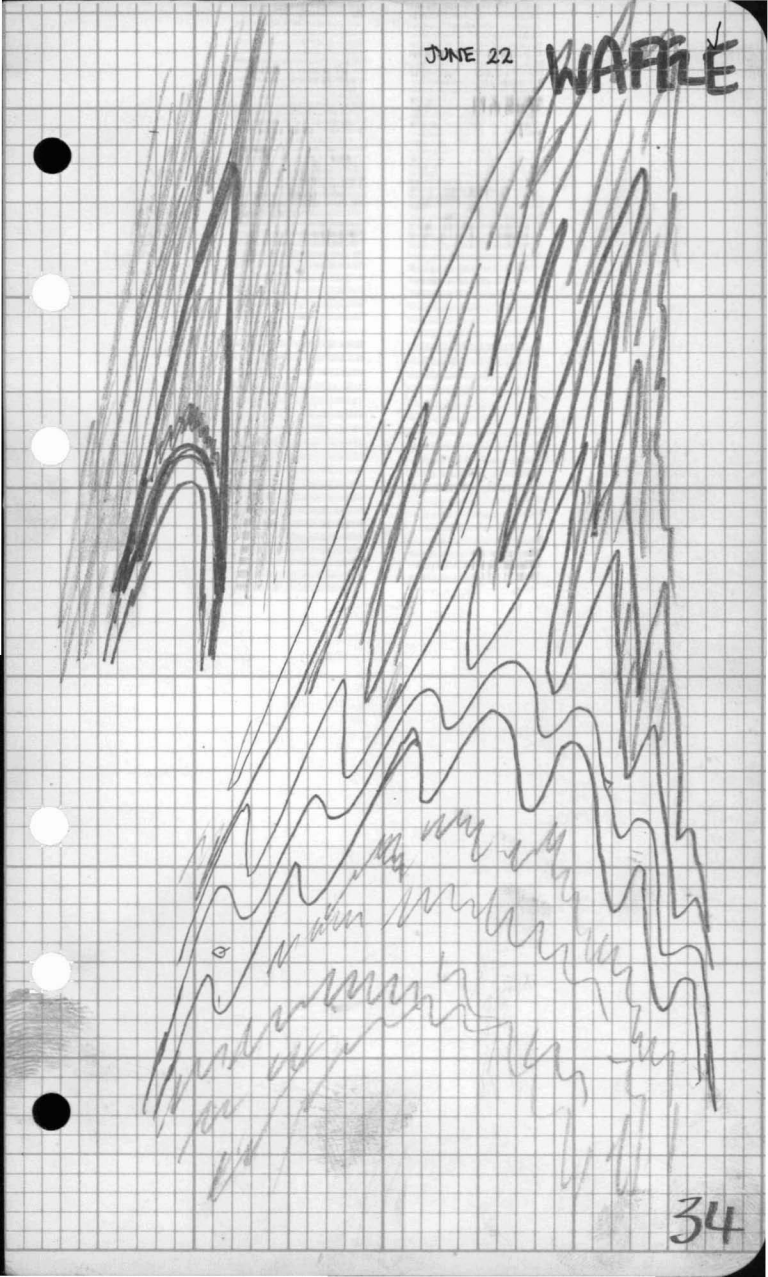
? S_3 078/17 S V LIMB?

S_2 082/40 S

S_4 086/70

33

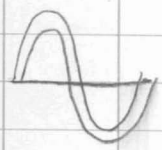
JUNE 22



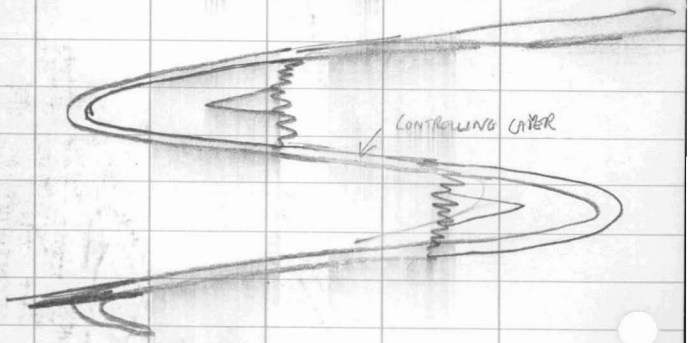
√WAFFLE

√

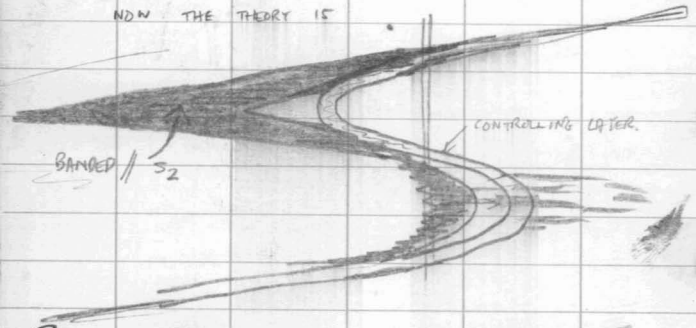
OVERLEAF MEANS THAT IF THIS IS A FOLD NOSE
THEN THERE MUST BE AN AMPLITUDE /WAVE LENGTH CONTROLLING
LAYER, COMME ÇA :—



PREVIOUSLY THE THEORY WAS



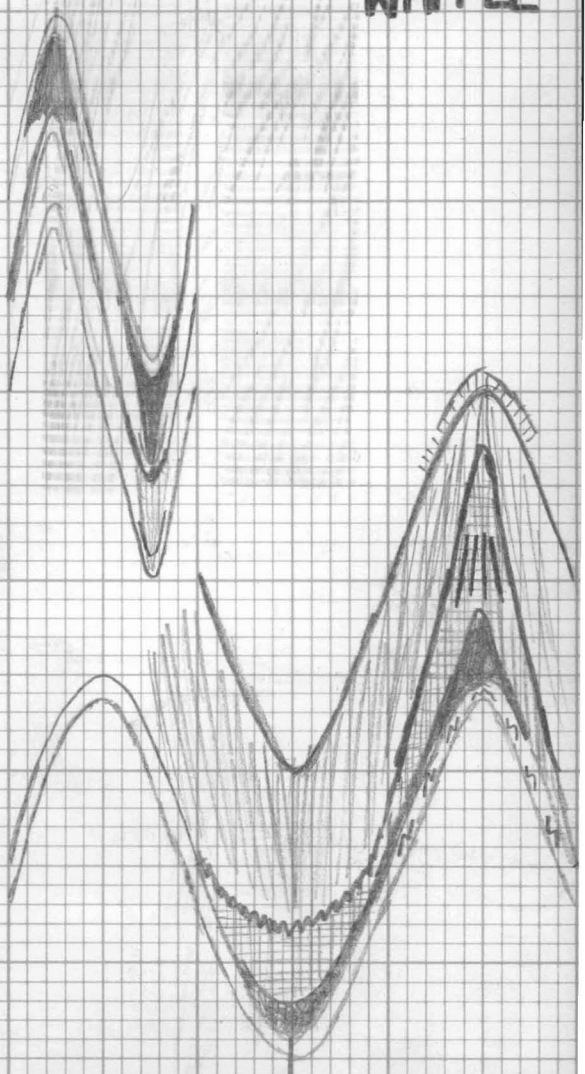
NOW THE THEORY IS



WHICH REQUIRES LESS SPACE

JUNE 22 √

WAFFLE



11-17

27 S_2 101/29S

S_4 087/58S

$F_4 \times$ 093/2

QTROSE MUS (24 AS WELL)

28A S_2 081/25

JUNE 23

PHOTO / 1

FOLD — CORE OF QTZITE

WRAP ROUND OF GRAPH SH

F_3? 141/4

AXIAL PLANE STEEP WEST

CORE LOGGING

66-41

214-

June 24 sheet 21 21 −14

(29) CSG S_{12} 111/25S

SHEET 14

(1) " " 110/29S

(2) FAULT/JT 100/86S

(3) " " 108/33S

(4) " " 104/33S

(5) " " 110/22S

only features here are qtz rods & boudins, the odd D_5 kink

(6) " " 104/28S

(7) FAULT/JT 040/61NW
ASSOC GREY PUNKY ALT

(8) CSG S_{12} 106/35S
CONTACT TRACE WITH 13 ALMOST CONCORDANT

(9) SHEAR/VEIN + DYKE ZONE 079/78S

(10) 2a S_2 099/33S
Blocky qtzose BS

(11) F_1? QTZ RODS 200/28 LOTS + BOUDINAGE
IN BS

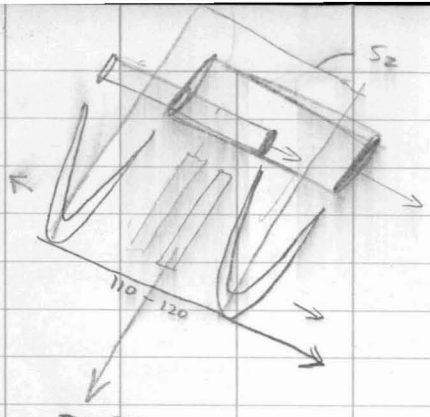
F_3 CRENS 158/29

S−14−11 S_2 103/25S MARKED

F_2 RODS 112/23

(12) 2a/1a contact 116/33S

14



BUT WE HAVE ISOCLINAL CLOSURES PLUNGING 210/220.

(13)	$2a$ S_{12}	111/35	
(14)	" "	070/40S	WARP ASSOC WITH MEGABOUDIN
(15)	" "	095/28	" " IN PART
	" "	253/30	BOUDIN NECK
	BOUDINS	OF CHLORITE AMANIB	
		$B_1 - B_4$	IN RED PAINT.
16	"	S_1	136/45
	ISOCLINE IN BANDING		
(17)	FAULT	003/51W	
	- THRUST. ?,	CURVED	
(18)	$2a$	S_{12}	120/41 SW
(19)		S_3	140/76W
		F_3 cross	145/24
39	S-14-19		126/39 SW MARKED

(20) S-14-20 S_2 105/33 MARKED

19-20 CHLORITIC SCHIST IN 2a

BOTH SAMPLES HAVE UNDERSIDES MARKED

(21) SEXY LITTLE QTZ ROD ISOCLINE IN 2a

(22) 2a S_{12} 102/46
BOUDINS TREND ~ 260°

(23) " " 097/57
F_3 crenn 148/32

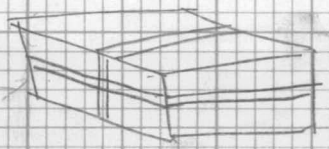
(24) " S_{12} 115/38 } BOUDIN E&G COLOUR + TEXTURE

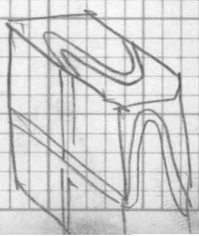
(25) " " 099/28 }

(26) FAULT 075/85S NORMAL.
" 173/80W

(27) " S_{12} 111/28S
F_3 crenn 157/25

(28) 117/45S
F_1/F_2 rods 197/42
again rootless qtz rods.

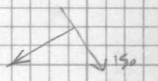




14 29 | | F_2 rods | 220/40
| | S_{12} | 109/40
30 | | FAULT | 065/90 S D U N
| A | 3 BENCHER AT LEAST
31 | | FAULT | 054/58 S D/U
| | S_2 | 092/18 S
32 | | F_2 RODS | 132/2
| | ON BIG BOUDIN WARP.
| | S_2 | 130/39 SW
33 | | " | 114/35 SW
34 | | " | 135/36 SW
35 | | FAULT | 087/85 S | NORMAL
36 | | " | 075/90 | "
37 | | " | 105/70 S | "
| | " | 090/85 S
38 | 2a | S_{12} | 146/27 S
39 | COUGAR 4 | FAULT | 110/57 S | SUB HORIZ SLICKS.
40 | | S_{12} | 128/31 S
| | FAULT | 105/85 S
41 | | " | 050/70 NW
42 | | S_{12} | 109/27 S
43 | | " | 110/41 S
44 | faint | F_3 cleav | 169/24
| | S_{12} | 111/25 S

41

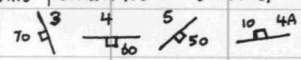
(45)	2a	$S_{1,2}$	113/345
(46)	"	"	108/345
		QTZ BOUNDS	228/30
(47)		FAULT	085/70S NORMAL
(48)		"	070/90
(49)	2a	$S_{1,2}$	129/27
(50)	"	"	114/43S
		F_5 CREEK	155/29
(51)		FAULT	083/85N AT TOP 5 AT BOTTOM NORMAL
		$S_{1,2}$	124/30S
(52)		"	131/32S
(53)		"	111/33
		F_3 CREEK	156/23
		F_2 ROAD	247/28
(54)		$S_{1,2}$	116/28
		FAULT	037/37NW
(55)		$S_{1,2}$	118/33



S_2 AND TRANSPOSED S_1

S_1 WHERE NOT // S_2

S_0 (COMP. BANDING, SOMETIMES ≡ BEDDING)

S_3, S_4, S_{4A}, S_5 

$S_1 \times S_0 = F_1$

QTZ RODS, FOLDS WITH S_2 A-PLANAR = F_2 & L_2

$F_{3,4,5}$ MINOR FOLDS + CRENS OF S_2 TO S_0

AXIAL PLANE TRACES OF FOLDS IN $S_0 - S_2$

25TH JUNE STREET 21

(29) 2a S_{12} 137/23 SW

F_2? BOUDIN MYLONITE 248/21

(30) 1b S_{12} 090/26 S

(31) thin weak graphitic in friable 5' CSP band.

(31) 2a BOUDIN MULL 264/12

S_{12} 121/33

(32) " " 145/15

(33) " " 129/32

(34) " " 129/25

(35) fault 072/85 N

062/85 S

STREET 14

(36) 2a $S_{1,2}$ 080/36

CHLORITE-AMPHIBOLITE

BOUDIN MYLONITE 200/31

(37) 106/25 S

(38) 107/34 S

RUSTY GREY MUS

(39) FAULT F_3 THRUST? 061/80 S

NORMAL.

ASS D_3 235/26

D.P.

A LOT OF THESE

S_3 068/49 S

ANDALUSITE + SOME FINE Bi IN THIS.

√P 14-15

①	S_4 TURNED NORTH DIPPING BY D_{4A} – SHEET 18			
②	S_4 NORMAL – SHEET 12			
③	F_3 & S_3 FOLDING			
④	D_5 KINKS + FOLDS, THIS SHEET.			
⑩	GREY AND QTZ MUS	264/6	QTZ BOUDIN ROD	
		242/11	D_5 KINK	D.P.
		242/90W	KINK PLANE	
		F_3 crena	162/30	
		S_2	100/34 S	
	seamed with faults e.g.		105/80S	$S_4 \equiv$?
⑪	"	Fault	103/70 S	
		S_2	110/31	
⑫	2a	S_{12}	115/25 S	
⑬	2b/2a	S_{02}	130/21 S	
⑭	2a	FAULT	082/63S	NORMAL
		S_{12}	095/35 S	
⑮	"	"	120/13	
⑯	"	"	081/25	
㉕	"	"	119/14	} SHEET 15
㉖	"	"	115/26	

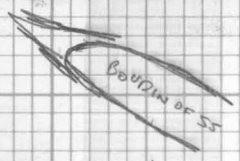
14

JUNE 26

17-3

SHEET 17

D_5 RODDING IS F_2 BOUDINS



SHEET 10 / LINE 39

SHEET 3.

(3) FAULT 154/SUB VERT VAR. E SIDE DOWN

LATERING HERE :

~ 4' LAYER OF FISSILE VUGGY PORPY
UNDERLIES MPY + OVERLIES MPY WHICH CHANGES
E WARD TO PO WITH PY BLEBS

LINE 27.

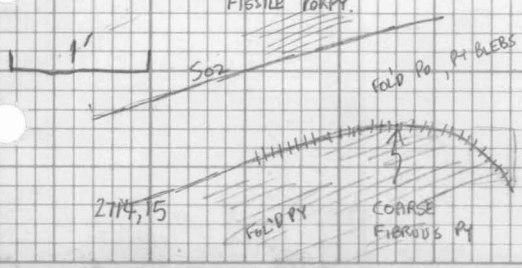
(17) 2714. LATE PY VEIN IN FOL'D MPY & FOL'D PO NR FACIES CONTACT

S_{02} 005 / 35 W MARKED

2715 MARKED 114/24 SW

CHECK FOR SIGNIFICANCE
NOT // BANDING

2716



45

3

(16) 2716 MARKED 040/82SE

– MASSIVE BAND IN FISSILE PORPY

FACE WITH NUMBER IS 149/85E // FAULT

$\equiv S_3$?

(17) 156/85E, W. FACE MARKED

2717 – CONTACT OF FOLIATED PY

WITH FOLIATED PO

(18) 2718 096/49S MARKED

PY-RICH PORPY FROM FISSILE BAND

– SECOND FABRIC ?

THEN AGAIN, THERE ARE PY FLASERS (← RELICS), AUGEN,

BOUDINS ETC IN THE FOL'D PO FACIES

---

① ORIGINAL PYRITE

↓

DYNAMO

② ∧ METAMORPHIC PYRITE + RELICS ? ① ?

↓

DYNAMO

③ ∧ METAMORPHIC PYRRHOTITE + RELIC ②

↓

④ CONTACT PYRITE

↓

⑤ CONTACT PYRRHOTITE ?

⑥ JT of VEIN 32 PYRITE

46

SHEET 3 FOR Po ~ PY JUNE 26

3

④ 3904 025/38W MARKED

FOL'D Po WITH ~ CONCORDANT PY

⑤ le" (Po) S_2 060/13SE TRICKY

⑥ 3906 003/57W MARKED

TWO FOLIATIONS ? UNDER (E) FACE MARKED

7 ↳ 125/70 IS FACE WITH X

FACE WITH O IS ~ S_{02}

FACE WITH • 133/~90 MAT DEFINE OTHER FABRIC

⑦ FAULT 153/66W

MARKED S_{02} IN 3907 — 020/33E

FINE-GRAINED ? WHY

⑧ 3908 018/80E MARKED

UNDER FACE (W) MARKED

Po-2m rich Po FOL'D

⑨ FAULT 175/66W

⑩ FOR Po. S_{02} 033/21 NW (

FAULT 163/90

⑪ " 017/83E

3911 047/21SE MARKED

↑ THIS IS A CLOSE 3TING X S_{02}

⑫ FAULT 032/90, GNEISSIC MS // FAULT

⑬ S_2 092/25S

47

10-3-16

(12) S_{02} 151/32E
1' leaf of ss above porpy

SHEET 3

(14) FAULT 052/85 SE

(15) S_{02} 025/38 E
pyritic porpy & clayey ss lens.

SHEET 16

(11) PORPY S_{02} 095/28

48

JUNE 28 SHEET 12 2[illegible] 12-11

(11) V. PYRITIC Id 135/35 SW

overlain by Ic — base horizon

as (3) Line Lineations

(12) " 147/27 SW "

(13) " ~ MS 090/51S "

(14) " S_{02}/SLIPSURF. 089/68 S

(15) " " " 080/51

(16) SS S_2 150/36

(17) GREENISH BG S_2 116/17 S

crens. 164/11

S4 kinkfan 110/49 S

— wide spaced slip planes

(18) RUSTY MUS 128/42SW

(19) @ MS → PORPY 138/35

(20) PORPY UNDERS QMS 128/35

SHEET 11

(28) BS S_2 041/32

Cross Fd 080/17

S4 072/60

49

M

(29) S_2 119/24 schist
S_4 111/65 S
F_4 x 111/ HORIZ

QMUS

(30) S_2 030/27 SE
F_4 x 103/23
S_4 076/45

(31) " S_2 070/30 S
S_4 076/50 S
F_4 098/15

over QMS

(32) FAULT 028/85 W

(33) MUS S_2 112/32 SW
S_4 104/60 – SLIP PLANE
F_4 106/3

(34) MUS F_4 082/6
S_4 080/545
S_2 060/27 SE

(35) " S_2 037/6 SE
S_4 076/50

50

SHEET 4 4-[28][#2] ✓

① MUS no fault FAULT 039/80 SE

S_2 140/30 SW

to NW of FAULT GRADES TO

ms - Bi QTZ GNEISS.

② MUS S_4 120/51 S

S_2 126/28 S

F_4 128 7 ?

FAULT 071/62 SE

Folded QV. F_2 112/6

③ QMUS S_2 068/30 SE

S_4 075/51 SE + SLIP.

④ MQ - QMUS S_{12} 050/24 S

⑤ " " 038/18 SE

⑥ " S_4 SLIP SURF 092/54 S

⑦ " S_{12} 089/28 S

⑧ " " 047/43

⑨ " F_2 118/8

⑩ " S_{12} 065/35 SE

⑪ F_2 folding 130/20

S_2 073/25 S

⑫ " " S_{12} [illegible]/35 SE

⑬ MQ - QMUS S_1? 090/21 N

4

(14) MQ-QMUS $S_1(2)$ 100/10N

(15) " " " 060/18NW

P_4 ship 078/49S

(16) MQ GNEISS $S_1(2)$ 095/21N

(17) " " 000/29W

(18) QMS $S_1(2)$ 021/28W MARKED.

4018

(19) DIORITE CONTACT 092/56S

// S_4 SLIPS

(20) MQ $S_1(2)$ 082/5N

52

JUNE 29

Sheet 3

3-9

(16) FOL'D Po MS S_{2L} 032/46 SE

(17) MASSIVE QTZITE $S_{1(2)}$ 130/33 SW

SHEET 9

(18) " 176/82 W

(19) " 156/42 E

(15) F_3 150/26

S_3 130/60 W

THIN SS IN MQ

(16) MQ 019/51E GREY GRAPH?

F_3 130/50

(17) 4117 NO SIG 020/56E MARKED

DISCORDANT POP OF Po

DOES THE SULPHIDE RELATION BEAR ANY RELATION TO THE SILICATE

(18) 4118 NO SIG. 000/51E MARKED

(19) FAULT 101/63N

PORPY

(20) " S_{0Z} 162/53 E

(21) " S_{0Z} 116/22 SW

(22) GREY GRAIN? MQ $S_{1(2)}$ 073/35S

(23) SS S_Z 145/59 E

F_3 136/20

53

9-15

(24) GREY, GRAPH, QSS S_2 092/35

(25) " " " - MQ 108/22

(26) " " MQ 005/42E

(27) MQ S_{12} 170/32E

2 F_3 150/12

(28) MQ 066/23 SE

(29) FAULT 017/50W

(30) MQ 053/11 SE

(31) QS 077/44

SHEET 15

(23) PORT WITH S_{12} 040/38 SE

PM BAND

(24) MQ 089/20S

54

SHEET 10 JUNE 30 10 ~~JULY 1~~ LOT. √

(2) PORPY S_0 - 158/72 W — MARKED 4202

// S_3 ∇ o

FAULT HERE 152/87 W — POD OF PO

WITH SUB VERT FOL & COARSE FOL'D PY

(3) ~~PROMINENT SURFACE 038/28 SE — MARKED = OLD S_2?~~

~~APPARENTLY NOT // BANDING~~

BANDING 158/90 4203

(4) BANDING 130/35 W

(5) " 020/68 E // TO JTING

161/21 W looks like it should be banding but isn't ?

(6) BANDING 168/20 E

// TO WHAT LOOKS LIKE THE LAYERING

CONTRARY TO (2) AND (5)

(7) BANDING 156/28 W

VUGGY PORPY

— SUGGEST TEMP INDUCED PHASE CHANGE

PO ORE SHOULD BE VUGGY IF ANY ?

(8) BANDING 015/50 E

(9) 4209 010/69 W MARKED

(10) BANDING 165/35 E

10

(11) 4211 130/40SW MARKED ANGULAR XENOLITH IN PYRITE PORPH

(12) S_2? 146/22 SW (X bedding ↓ 0.

FORM ORIENTATION IN PY BANDING 166/60E

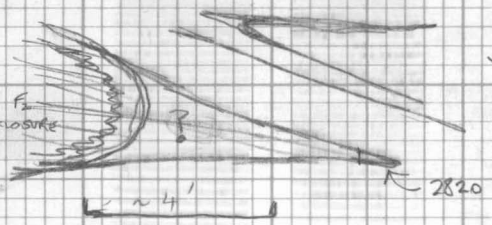
56

SHEET 12, F_2 FOLD 2ND JULY 12-3

LINE 28

(20) 2820 014/75W MARKED

ISOCLINAL F_2 CLOSURE



SHEET 3 LINE 27

(20) 2720 170/65E MARKED

FOLIATED? PORPH. W FACE MARKED

SHEET 3

(18) 3918 173/75W MARKED (W FACE)

PB-RICH ORE WITH FOLDS?

GLEN ROUND PIT & SAMPLES

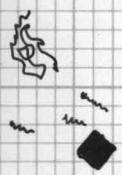
JULY 3 SHEET 8 8 ✓

(17) QTZLITE S_{12} 078/49S

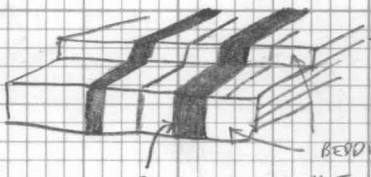
(18) POSSIBLE FAULT 145/90

separates plotted (17) attitudes from those of

		S_{12}	153/37E	
(19)	Q	"	165/10E	
(20)	Q	"	135/43W	
(21)	Q	"	136/17E	
(22)	Q	"	009/29E	
		F_1 – $S_0 \times S_1$	179/7	
		F_3 cremo	151/18	

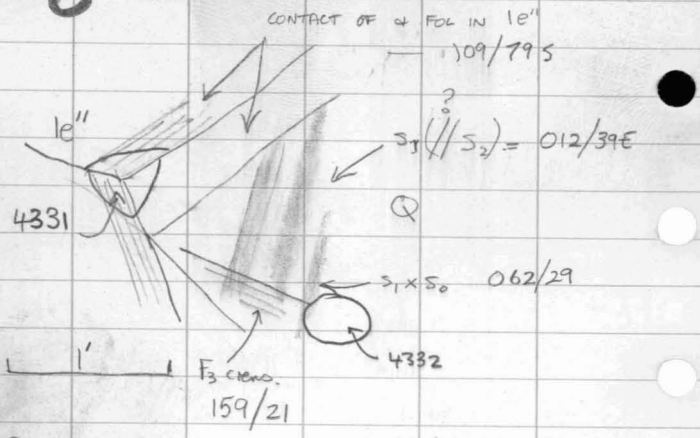


BEDDING IN TALUS BLOCK IS ⊥ TO S_1



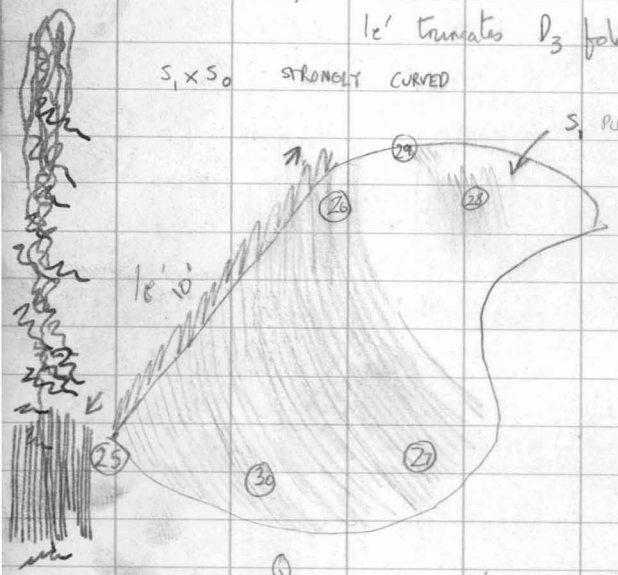
(23)	Q	S_1	172/40E
		F_1	009/13
		F_3	142/20
(24)	Q	S_1	160/39E
		F_1	014/20 CURVED

✓ (25) 8



1e' truncates D_3 fold.

$S_1 \times S_0$ STRONGLY CURVED



(28)	F_1 042/47	ON	176/51E
(29)	" 030/8	ON	020/37E
26	" 048/42	ON	010/57E

60

(27) 062/12 on 040/34 SE

DOES NOT SUPPORT GENERAL IMPRESSION THAT F_1 becomes steeper + more easterly plunging near 1e"
may be magnetic problems.

(30) S_0 051/90 to steep SE

(31) 4331 — 014/44E MARKED
— this surface ~ // S_1 check for significance

(32) 4332 S_1 024/34 MARKED

(33) FAULT 024/85W
Q S_1 067/70 SE

(34) 1e" FOL'N ~ 115/60 N

(35) 1e" " 088/45 S

(36) 1d S_{0-1} 062/41 S
BANDING IN OVERLYING 1e' ~ //

(37) FAULT 020/70 E

(38) Q S_1 135/45W

(39) 4337 — 021/90 W FACE MARKED
S 027/30 NW

(39) Q S_1 030/35 SE
leans of 1e" in it F_1 x 195/3
F_3 cam 138/32

61

8 (40) Q S_1 044/36SE
F_5 watch 066/12

(41) le" S_x 002/42E

(42) le"/le' 024/73 SE MARKED
4342

62

JULY 26 SHEET 14. 14-7

(67) BS S_2 107/385

S-14-67 MARKED 141/195W
B_2 (D.?) 45 isoclines about

(68) " " 090/355
fine cleno 153/32

(69) CSG good distinct contact
S_{12} 112/375

(70) BOUDINAGED METABASITES
BIGGIN PLUNGE 225/35

(71) " S_{12} 106/385

(72) " " 124/315

(73) " " 088/325

24 + 26 + 6 + 16 + 16 + 32 + 32 +32
END OF 44135

72 FROM 71-35

SHEET 7

① CSG S_{12} 100/475

② " S_{12} 084/345
cleno 139/28
darker colour banding? 175/34

63

JULY 27 SHEET 7 7-1

③ FAULT 094/85N NORMAL

④ CSG $S_{1,2}$ 096/23S
CREMS 153/21

⑤ " " 108/41S
CREMS 122/9 broader
" 157/29 finer
215/38

IRREG VAGUE COLOUR BANDING
5-7-5

SHEET 1

① MASSIVE SULPHIDE-BEARING QTZITE
MS ARE HIGRADE FOL. PO.

② SULPHIDE BEARING MQ S_1 026/29E

③ " " S_1 037/19W

④ QTZOSE SERICITE GNEISS S_1 120/37S

⑤ FAULT 104/85N

⑥ QTZ-SER. GNEISS S_1 112/30

⑦ FAULTS 107/80S
065/85S

⑧ QTZ SERIC-GN. $S_{1,2}$ 127/28

this rock not a good schist
but not a gniess - similar
to rocks on northwall

⑨ PEBBLES IN PAT 13 AT CONTACT 047/35 SE
PROB // CONTACT

65

1

(10) FISSILE MQs, 034/33SE

(11) RUSTY MQ 167/32E

(12) QTZOSE GNEISSOSE SERICITE S_1 102/29S

(13) D_2 FOLDS in F_2 094/7

S_1 at qtz S_2 STEEPER

(14) FAULT/JT 095/63S

(15) QSG
QTZ-SER-GN S_1 080/22S

(16) CONTACT WITH Po MS DISCORDANT
FOLIATION IN MS N STEEP SOUTHE
— 058/57S
4416 — MARKED 4

(17) ALT'D QSG S_{12} 104/79S
CONTORTED.

(18) QSG S_{12} 007/37E
rodding 150/31
(17) → (18) v. contorted

(19) RUSTY MQ S_1 090/33S, MINOR SULPHIDES

66

SHEET 1 JULY 28

1-7

(20) PO MS FOL 155/70E

(21) MASSIVE SULPHIDE BEARING Q S_1 172/33E
IN CORE OF D_3 FOLD

(22) " , OTHER LIMB, S_1 109/45S

(23) " " " 157/75W

(24) MASSIVE GNEISSOSE QTZOE S_2? 116/45S
SS
CONTORTED.

(25) " " " 111/34S

(26) MQ S_1 131/52SW
FAULT 112/85S

(27) QSG FOLDS 142/56

(28) MQ S_1 142/75W

(29) " S_1 047/35SE
CRENS 148/34

(30) " S_1 007/42E

(31) " " 146/85W

(32) " " 155/75W

(33) 4533 080/57S
— MARKED

? CONCORDANT × POMS
FOL ?

SHEET 7

67

(6) MQ S_1 155/66W

GROSSLY CONCORDANT CONTACT WITH POMS BUT ALWAYS DISCORDANT IN DETAIL.

7

(7) FOL IN POMS ~ 125/90

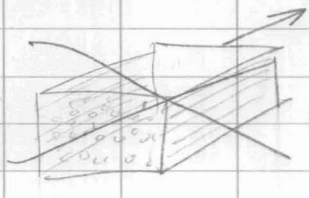
(8) 4608 POMS MARKED 068/48 SE

~~L INFILTRATED~~ V.

~~STRONG FABRIC CAN BE SEEN~~

~~TWO SIDES ONLY~~

NO



FOLIATION IS // POMS CONTACT

X S IN HOST.

(9) MQ S_1 117/23S

CONCORDANTLY OVERLYING PORPH

(10) SS S_{12} 069/43

117/33

ortho

68

(11) FAULT 065/56SE

(12) MQ-QS. 120/39S

(13) SS/QSG/GRAPHS. 071/33SE

(14) SULPHIDE BEARING Q 052/22SE

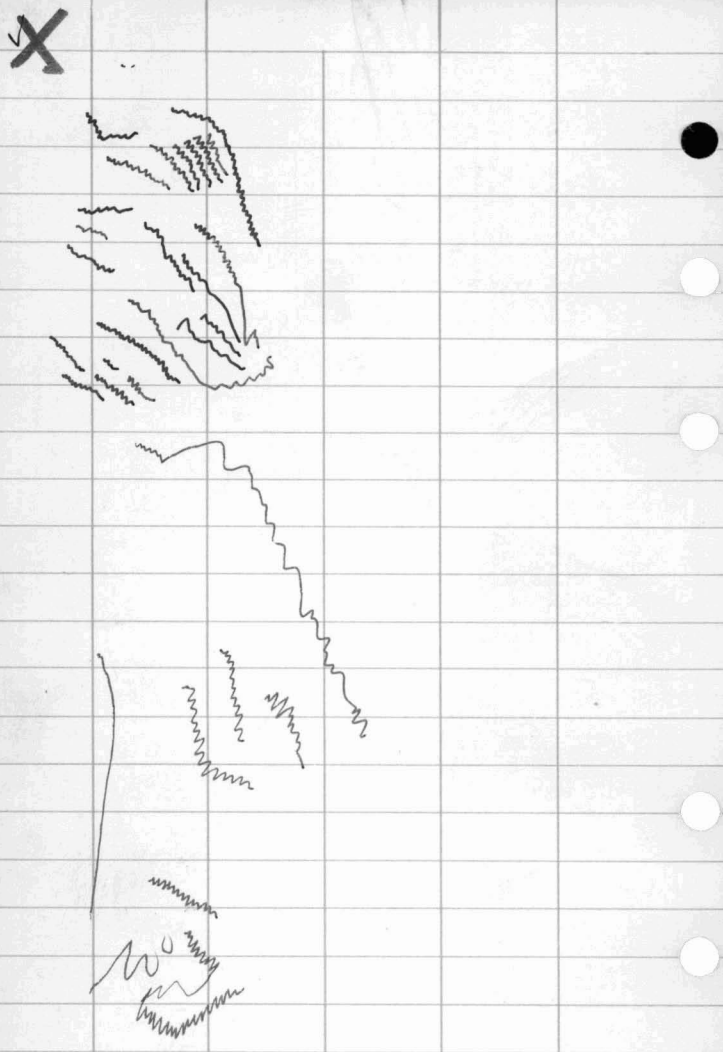
(15) " " S/Z 057/45SE

" " CONTACT WITH SS.

CROSS. 057/HORIZ

CROSS CLEAVAGE 057/VAR NW

√7



JULY 29 SHEET 8 3990 W. WALL

8V

(#)A FAULT 100/65S
= GRAPHITIC GOUGE
MQ TO QSG ON S. SIDE
S_{12} 121/21S

(42)A POD OF POMS

(43) SS S_{12} 110/38S
DOES NOT SEEM CONTINUOUS ONTO BENCH ABOVE?
GOOD LOOKING BLEACHED + TALCY

(44) MUS 076/34S
QTZOSE

(45) " 065/37S

(46) FAULT 113/75 N

(47) MUS S_{12} 094/41S
SS GOUGE? AT N SIDE OF FAULT

(48) CPEN0 121/49
ON S_{12} 048/41 SE
V GOOD ANDALUSITE PORPH MUS

(49) MUS - QSG S_{12} 108/65N
FOLDS 281/12 D_4?

(50) POMS WITH QTZITE LENSES — V. PUNKY
SS AT CONTACT. FOLDING MAY BE D_5?

(51) MQ S_1 134/45SW
immediately under QMyrse MS

70

8

(52) QTZITE S_1 029/34E

CREST 172/21

possibly overlying QMS to S.

(53) MQ S_1 130/40SW

& 165/90

FAULT 052/77 SE

(54) MQ S_1 146/53 NE

CREST 144/4

(55) MQ XENO.

(56) MQ S_1 150/67NE

(57) QUARTZITE S_1 171/64E

CREST 165/7

F_1 031/49

(58) PQMS DISCORDANT W.R.T. FOLD

(59) SS FOLDS 165/18

S_3 140/60W

(60) MQ S_{12} 058/33 SE

71

320 LX Pacific Rainproof HINGE OF F3

(61) Q BEDDED S_1 047/30 SE
F_1 188/20

8

(62) SS 117/47S
above POMIS

(63) SS 123/71 N
appears to be F_3 isoclinal attitude
A-plane stereo SW

72

JULY 30TH

3V

SHEET (3)

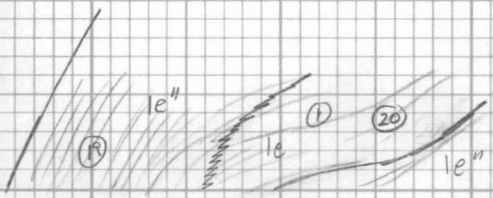
(19) FOLIATION & BANDING STEEP PROB // SHEARING IN GRANITE POMS WITH PORPY PATCHES

4719 108/68N MARKED W
S FACE MARKED

SPECIMEN FOR 1) FOL. ATTITUDE
2) TRANSITION TWIXT POMS + PORPY
3) SHEARED GALENA

(20) PORPY 4720 148/80W MARKED
SPHAL-RICH, TEST FOR PY + SPHAL ORIENTATION
FORM ORIENTED PY AT LEAST.

(2)



(21) FAULT SURF 085/62S

(22) " 155/85E
FOL IN POMS 100/25S

(23) FAULT 163/85W
4723 160/90 MARKED (W FACE)

(24) FOL IN POMS 042/18 SE
// PY BLOB TRAINS + JT PATTERN

73

✓ (25) FAULT 033/85 SE

3-4-10

SHEET 4.

THIS BENCH ON SHEET 4 CHARACTERISED BY GENTLE SE DIPPING LATERITE/JTING (// FOL?) IN POMS, CUT BY 035 FAULTS & SHEARS.

(21) "JTING" 041/32 SE
// FOL IN POMS

4821 129/81S MARKED POMS/PORPY SPECIMEN.

(22) 4822 POMS FOL 153/90 MARKED W. FACE POMS/PORPY WITH FOL // CONTACT & FINE PY AT CONTACT

(23) S12 173/45W
TALCY MQ SCREEN.

SHEET 10

(12) PORPY BANDING 131/30SW
// FOL.

(13) PORPY - PROMINENT 135/19 SW
JTING. NO COMP OR FOL SEEN TO BE //

74

(14) PORPY 157/54 SW — BANDING & FOL

(15) " 166/59 W GOOD "

TOP CONTACT CONCORDANT AT LEAST

(16) MQ SCREEN 093/41S $S_{1,2}$ — ~~DISCORDENT~~ ?

(17) PORPY 153/30 SW GOOD BANDING

(18) " 079/49 SW "

(16) 4916 $S_{1,2}$ 098/32 MARKED

— CHECK FOR SULPHIDE // $S_{1,2}$

S IS PROBABLY S_1

CREEK 128/17

F_1 189/45

(19) PORPY BANDING. 170/71W

(20) " 169/54 SW

(21) BANDED QMS. 065/44 SE

16, 19, 20, 21 — EITHER FAULTING, FLOATING RANDOM SCREENS OR TIGHT FOLDS

NO DIAGNOSTIC FEATURES OBSERVED. ≷ OR ∩

065/HORIZ VAR IS

INTERSECT OF S_1 & PYRITE BANDING

— IS THIS S_3 VEINED OR F_1 ?

SUBFACION OF A HINGE, BUT ALSO OF FAULT & B_x

(22) FAULT 150/85W

(23) PORPY GOOD BANDING 111/37S

(24) " " 085/25S

(25) POD OF HIGRADE PORPY.

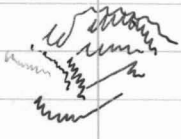
10 MOST OF THIS BENCH ON THIS SHEET IS MPY WITH LOCAL PORPY BANDS

(26) 066/26SE PORPY BANDING

(27) 003/76E " "

(28) 152/90 — FAULT/SLIP IN MPY

(29) 172/65E PORPY BANDING



76

4

(24) GNEISSOSE SS S_{12} 019/41E

(25) FAULT 023/39W W SIDE DOWN

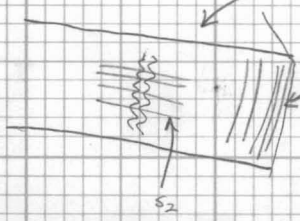
(26) PQMS FOL 058/34SE
OVER THIN MQ

(27) RUSTY MQ - QMS S_1 055/35 SE
FAIR QUANTITY OF SULPHIDE

(28) GNEISSOSE SS S_{12} 119/70N
S_4 111/67S
F_4 S_x 118/21

(29) " S_{12} 102/80N

(30) EUREKA S_1 106/69N
S_1 // S_2 ? 062/27SE



CRENULATIONS ARE LARGE ~ 1" WAVELENGTH IN MQ WITH ~ 1mm MUSC. PARTING. GRENS ARE V SIMILAR TO THOSE IN F_2 FOLD ON E WALL

(31) MQ IN QMS S_1 083/33S
QMS SIMILAR TO MATERIAL IN SCREE BELOW (S-11-25) - PYRITIC, MOBILIZED, MPY BOOS ETC

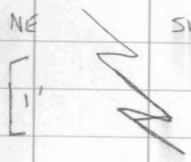
77

4

(32) (GNEISSOSE) SS S_2? 131/30 SW
SLUMPED ?

(33) " " " 126/37 SW
CTMS 167/31

(34) " " S_1? 137/30 SW



(35) MS/SS CONTACT 081/55S — MAY BE MYHT PLANE AS WELL
not // $S_{1,2}$ - 020/7W VAR.

(36) S_1 MQ-QMS 075/22S
CTMS 158/27
INTERBEDDED WITH PQMS

(37) FAULT 038/90

(38) RUSTY MQ S_1 077/17S
(39) " " 090/11S
(40) " " 165/30E
(41) GN.SS - MQ S_1? 140/28 SW
(42) " " S_1? 146/20 SW

(44) (42) CONTORTED S_1, BROKEN GROUND

78

GNEISSOSE SERICITE SCHIST

(43) GSS D_2 FOLIATION — 287/11

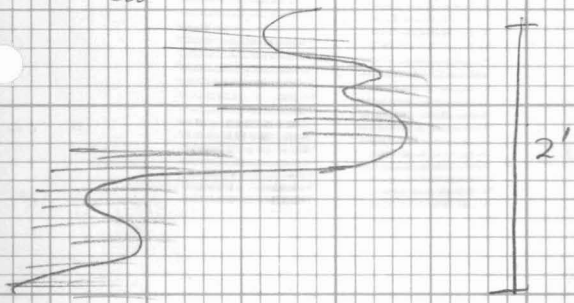
GNEISSOSE SS

(44) DOMINANT S_1 170/29W

(44) GSS D_4 SLIP / S_4? 081/56S

(45) Apparently S_2 114/25S

GSS



(46) GSS S_2? 144/22SW

(47) " " 115/20

15

(25) FAULT 168/90

(26) QTZOSE SS S_1? 169/31W

(27) CONTORTED S — LOOKS LIKE S_1 CRENULATION BY D_2

(28) FAULT 068/58SE

WITH 1' GRAPHITE

S_2? 152/37SW

D_3 FOLDS WITH STEEP W. DIPPING A-PLANE IN THIS.

(29) LESS SERICITIC, SCHIST S_2? 147/31

BIOTITE BDS — FAULT AT (28) PROBABLY GOOD POINT FOR CONTACT

(30) BS. F_2 RODS 287/6

S_2 137/14 SW

(31) BS FAULT 052/58 SE

S_2 151/30 SW

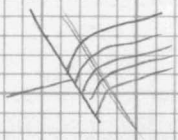
(32) 2b S_{12} 063/24 SE

(33) MUS 074/36 SE

WRINKLES 182/39

(34) SMALL WARPS 242/11 D_5

S_5 049/58NW



RECALL D_5 KINKS IN SCHIST AT CSG/SCHIST CONTACT ON BENCHES ABOVE

15

(35) MUS $S_{2(1)}$ 073/39 S

FAULT SYSTEM 092/51S

(36) CSP S_{12} 089/20

— NOT THE CHARACTERISTIC GREEN/PURPLE FLASER TEXTURE — DARK, BI-BEARING, PHYLLITIC

S-15-36. 102/80 N MARKED

ANDALUSITE BEARING

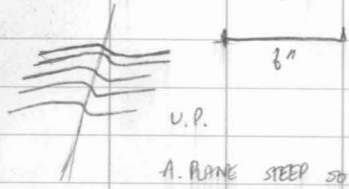
(37) " ~~FAULT~~ FAULT WITH 107/62 S

½" GRAPH GOUGE

S_{12} 104/20

PERHAPS BETTER — A BLOCKY ANDALUSITE-BIOTITE (CALCSILICATE?) PHYLLITE

(38) WARP 094/1



A. PLANE STEEP SOUTH

(39) D_5 KINK 232/14

S_5 ~60° STEEP NW

82

NORMAL FAULT 080/90 S_{12} 121/5

STILL PHYLLITIC ON BOTH SIDES

SHEET 21 ~~SEEP~~ AUG 1ST 21-16

(36) ABCSP S_{12} 122/10 S

(37) CSG S_{02} 102/17S

(38) " S_{12} 105/38

(39) BEDDING PLANE THRUST 104/40

(40) CSG S_{12} 147/23

(41) " " 103/37

(42) " " 154/24

(43) " " 158/20

(44) " " 121/17

(45) " " 130/20

(46) " " 056/8 NW

(47) " " 151/20 SW

265/23

A. PLANE STEEP N

SHEET 16

(14) AND B1 MUS S_{21} 135/14 SW

(15) " " 135/44 SW

(16) FOLDS 115/4

AND B1 MUS S 115/35 N LOCALLY

(17) POMS CROSSCUTS S IN SCHIST

↳ DIPS N AT CONTACT

FOL IN POMS 108/76S // CONTACT

16

CUT 5017 NORMAL TO 108/HORIZ

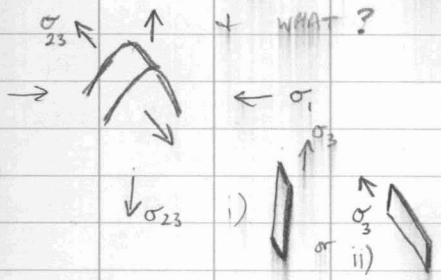
FOR ANY LINEATION // TO F_4

ALSO // TO 108 HORIZ, ⊥ TO 108/75S

FOR LINEATION // TO FLOW DIRECTION

HENCE RELATIVE IMPORTANCE IN FINAL FABRIC OF D_4 STRESS FIELD + . . .

+ WHAT ?



IF i) — "IGNEOUS" FLOW ALIGNMENT + FABRIC

IF ii) TECTONIC FABRIC + PLASTIC FLOW

— FLOW IS NOT PLASTIC ?

84

AUG 2 SHEET 10 10-11 ✓

(30) PROMINENT LAYERING - 105/36 S
IN MPY/PORPY
// BANDING ?

PYRITE LINEATION 154/33

CHECK ALL MPY & PORPY
SPECIMENS FOR F_3 LINEATION

SHEET 11 (36) D_2 FOLD HINGE 278/25
5136 " 128/45SW MARKED
(37) 5137 " 265/61S MARKED

SHEET 10
(31) FAULT 015/85 E
MQ/QMS S_1 126/58 SW
F_2 318/13

(32) " S_1 110/61S

(33) " S_1 148/42 SW
CREST 149/3

(34) " S_1 142/43 SW

(35) F_1 - BANDING ON S_1 127/2

(36) FAULT 017/80W

(16) 2a $S_{1\frac{1}{2}}$ 125/36 SW

TIGHT D_2 CHEVRON FOLDS IN S_1

(17) 1a" S_3 175/90
005/90

CHLORITE PHYLLITE

THREE SETS OF CREMS IN FLOAT

F_3 185/30

(18) 2a S_{12} 093/345 MARKED

CREMS 117/11

Irreg CREMS & Bi Lin 159/30

CREMS? colour banding 237/19

S-7-18

(19) FAULT — 105/72 S

NORMAL

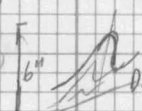
(20) CREMS 169/38

BANDING IN Bi ON S_{12} 224/28

S_{12} 073/40 MARKED

S-7-20

(21) 100/33 S UPPER CONTACT OF GREENSTONE

(22) 

250/21 DISHARMONIC
A-PLANE STEEP SOUTH

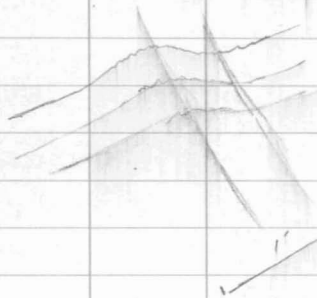
POSSIBLY TWO FOLIATIONS IN GREENSTONE

(23)

✓ 22 7 BS S_2 096/35

Crem 142/20

(23) Crem + Lam 108/HORIZ



S_2 116/37S

(24) QTZOSE MVS 1a' S_2 099/24S

(25) D_2 MULLION 125/2

6" ↕ UP PLUNGE

(26) S_1 ~~004/24~~

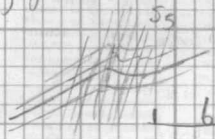
MUCH SMALL SCALE D_2 FOLDING OF QTZOSE LAYERS

MOSTLY LOOKING NW

(27) Fault 088/60S

87

(28) Rusty jointed F_5 241/32
QMVS S5 sleek south

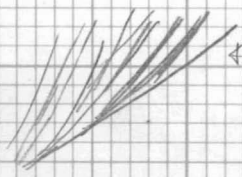


S_{12} 096/38

(29) 102/855 MAJOR FAULT ?
1' GRAPHITIC GOUGE ZONE
S_{12} 078/52S ON SOUTH SIDE ∴ NORMAL
IN BIO SCH.
Fault marks S. margin of altered sch.

(30) S_{12} 080/38S CALC SILICATE
Fault 112/54S
filled with qtz boudins

(31) 115/77S typical of the almost
pervasive faulting + slip planes
in the schists.

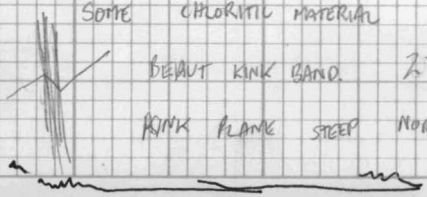


(32) F_5 S_{12} 092/37S

SOME CHLORITIC MATERIAL

BEAUT KINK BAND 277/9

KINK PLANE STEEP NORTH



7

(33) S_1 097/28S

Thin 2b in 2a above 1a

(34) 2a D_2 MULLION 278/2

S-7-34 MULLION SPECIMEN

S_2 089/24 PP

(35) 2a S_{12} 095/41S

overlying 2b

S-7-X D_2 MULLION IN 2a

(36) QTZOSE SS S_{12} 076/34SE

- QSG

(37) h S_2 110/33

MUCH D_2 QTZ LAYER FOLDS

(38) QSG S_2 060/34SE

D_5 FLEXURE

89

7-17

(39) QSG S_2(?) 088/22 S

(40) V QTZITE QSG 102/20 S

(41) 1a' 099/24 S

SHEET 17

(17) 1e' 076/17 S

V PLANAR BANDING + GOOD PARTING //

P_o 5/17 084/19 S MARKED

MUST BE AN S_2 FABRIC IN THIS ROCK

(18) POLISHED SURF 165/79 W

(19) P_o 17 070/24 SE

(20) " 105/28 S

(21) FAULT 149/90

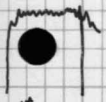
1/4" FINE GOUGE + POLISH

(22) BANDING UNDULATES SLIGHTLY WRAPS ROUND POD OF MPY — SPECIMEN

BANDING 086/20

(23) 1e' " 128/44

1e''' 120/11



OVERLYING V. HIGH GRADE PORPY

FOLDED

(24) 1e'/1e''' 124/26 S

90

✓ (25) le'''/le' 130/14 S 17

(26) le' 130/15 S bands

(27) " 040/22 "

ANGULAR QTZITE XEND IN BRPK

(28) " 171/44 E

(29) " 075/22 SE

(30) " 126/24 S

changes along strike into
le'' with le' lenses + relics
also abundant small ss
xcent b

91

AUG 9.

21-8

SHEET 21

2nd dyke is enclosed about 50' to the main area to the south — the isolated pillar — must be faulted

SHEET 8

(64) SS F_3 138/24

D_3 HINGE ZONE, S_{12} 138/90 TO STEEP OVERTURNED.

HENCE A PLANE MUST DIP AT LEAST 60 W & HENCE STRIKE ~ 120

(65) SS S_{12} 149/59 E VAR.

S_3 QUITE SHALLOW DIPPING ~ 40-50°

(66) SS S_{12} 023/26 VAR.

S_3 STRONG STILL

(67) SS S_3 136/67

F_3 147/20

S_{12} V VARIABLE + CONTORTED

D_3 HINGE ZONE

(68) D_0 S_3 136/48 SW

F_3 159/28

MAKE A GOOD PHOTO

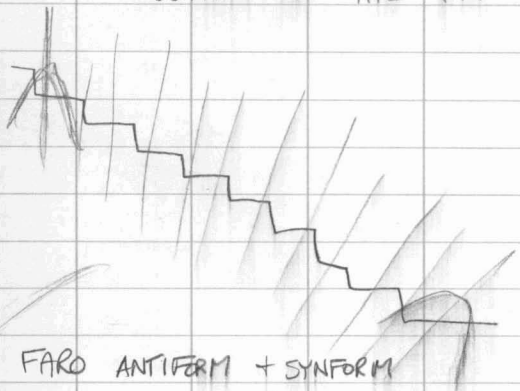
(69) MQ $S_1(?)$ 106/37 SW

(70) SS F_3 159/9

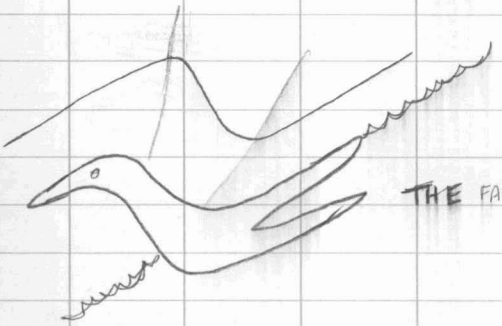
S_3 145/44 SW

92

X D_3 FOLDS BECOME MORE INCLINED TOWARDS THE BOTTOM OF THE PIT



FARO ANTIFORM + SYNFORM ARE D_3 STRUCTURES



THE FARO DUCK

NO THESIS PROPOSAL UNTIL HESLOPS THESIS IS READ.

DOES D_4 WITH SW STEEP DIPPING A-PLANE EXIST — YES — YOU'VE MEASURED THEM.

93/KLUIT MUST BE STOPPED.

8

(71) SS S_3 157/57 SW
F_3 169/36
e.g. S_{12} 092/38 S V. VAR.

(72) " S_3 148/64 SW
F_3 155/19

UP PLUNGE ANTI F ⅄ → STN

(73) SS S_{12} 155/66E } BOTH AN "AVERAGE" OF D_3 CONTORTED
(74) " " 100/32S } O/C

(75) S_3 134/90
S_{12} 126/66 SW
F_3 134/23

QUITE A MARKED CHANGE IN S_3 ATTITUDE
S_3 HERE PROBABLY // TO FAULT ÷ D_3 FAULT.

ACTUALLY A D_3 CHEVRON
WITH D_2 QTZ ISOCLINES

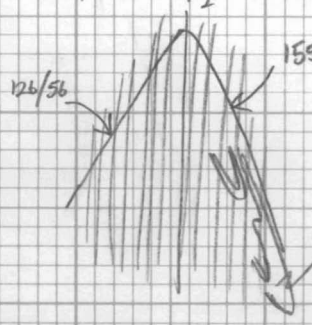


PHOTO BEFORE 11-30 a.m.
OR SHADOW PROBS

94

√ (76) SS S_3 137/60 SW

8-2

F_3 161/35

S_2 029/49 SE

SHALLOWING OUT FROM ~ 170/30E

AT SW MARGIN OF D/C

(77) MQ S_{12} 071/26 SE

F_3 155/26

(78) SS FAULT 116/74 N

S_2 081/42 SE

FAULT HAS SLICED THRO SYNCLINAL AXIS

— ON S SIDE PINK-WHITE SERICITE SCHIST

ON N SIDE GREY MUSCOVITIC QTZITE

SHEET 2

① MQ S_1 079/40 SE

② FAULT 017/63E

BETWEEN 1d & 1c

③ SS S_{12} 042/33 SE

SAME ATTITUDE FOR ALL THIS PIECE OF 1c

④ FAULT 178/85E

BETWEEN 1d & 1c

95

2

(5) 1d (minor sulphides) S_1 160/55E

(6) " " S_1 099/30S

∴ CHEVRON HINGE BETWEEN (5) + (6)
(NOT SEEN) ((ROCKS MASSIVE)

(7) " S_1 088/28S

(8) " S_1 175/57E
from hinge F_3 165/17

(9) 1de / 1e" S_1 159/90
1e" foliation // to S_1 + contact
5209 066/71 SE MARKED

HERE WE HAVE FOL IN 1e"
// to S_2

THE PLOT THICKENS. HERE WE HAVE FOL IN 1e" CERTAINLY STRIKING INTO THE DIORITE AT ITS CONTACT, AND PROBABLY PARALLEL TO S_0 ∀.

CONTRAST STATION (29) SHEET 8.

(10) 1e" FOL 114/57S

5210 098/58S MARKED

NO CHEVRON HINGE. FOL IS EITHER
1) OVERTURNED LIMB OF D_3 ANTIFORM
2) OR D_4 AFFECTED
3) OR A S_3 FAN. (PREFER 3)

96

✓(11) 1e" 5211 164/78N MARKED

FOL 130/60 NE

2-3-2

FAIRLY CERTAINLY FLOWAGE VARIATION.

(12) 1e" 5212 077/68N MARKED

S. FACE MARKED

FOLIATED ? SEEMS TO BE

(13) FOL 066/27SE

(1) SHEET 3

(13) (26) DYKE W. CONTACT 170/80E

5213 -W. FACE MARKED (APPROX)

QTZOSE, FRAGMENTAL TEXTURE

SHEET (2)

(14) MQ S_1 014/25E

(15) " " 160/53E

F_3 135/27

(16) " S_1 141/63NE

(17) " - QMS " 079/26SE

97 CHEVRON HINGE

(18) STILL QTZOSE — BUT LOST MICA PARTING

1d changing along strike into 1e

(19) Thin (~1') Po (1e") veins in granite dyke 5319 unoriented

DIORITE Bx WITH Po MATRIX

(20) MQ S_1 150/19 SW

INTRUSIVE IS ALTERED QFD

(21) " S_1 160/51 NE
F_3 152/17

(22) " S_1 027/45 SE

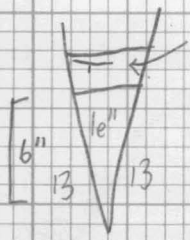
(23) " " 084/42 S

(24) 1e" DYKE & VEINS

(25) 5325 039/72 SE MARKED

1e" DYKE FOL // CONTACTS

SAMPLE IS FROM POINT



BOTH CONTACTS IN SAMPLE

DYKE IS ABOUT 6' LONG

(26) CONTACT ~ 115/70S 2

(27) 1e" FOL 165/42E

OVERLAIN BY

(28) 1c to MQ S_{12} 018/61E

(29) 1e" FOL? 084/47S MARKED

5329 — CHECK.

(30) 1c — MQ S_{12} 029/60E

shallower dip at top of bench.

(31) 1c. S_{12} 055/74SE

99

AUG 10

8-2

SHEET 8

(79) 1d, 1c FAULT 147/90

(80) 1e " FOL 084/385

(81) " CROSS F_3 135/36

(82) 1d S_1 151/82E
F_1 331/9 VAR.

(83) " S_1 103/35S

(84) " " 030/33SE

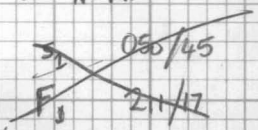
DYKE CONTACT HERE SEEMS TO DIP
~ 030/30 NW

(85) 1d S_1 142/38 SW

& ON THIS CONTACT DYKE IS IRREGULAR
GENERALLY ~ 40-60° N-NW

SHEET 2

~~(24A)~~ 1d
SLUMPED BLOCK



(25)A FAULT WITH 1' BX ZONE
021/90

(26)A 1d S_1 019/47E
F_1 192/6

FAULT BETWEEN (28) & (29) 076/805

(27)A 1d S_1 139/77NE
F_1 345/42

100

28 A ld S_1 165/15 SW

2-8 F_3 325/5

F_1 201/5

29 A ld S_1 050/14

30 A FAULT

TO SOUTH ld S_1 078/355

F_3 146/10

067/85 N

SHEET 8

86 THIN (1-2') SKIN OF lc" between le' & ld

87 ld S_1 179/27 E

88 lc S_3 157/75 E

F_3 146/61

S_{12} 052/65 SE

89 ld S_1 019/47 E

88-89 V. D_3 CONTORTED

90 " " 085/41

FAULT BETWEEN 89 & 90

101

8-2

(91) SLIP/FAULT 090/65S

(92) Id S_1 062/33SE

(93) Ic S_{12} 081/40S D_2 ISOCLINAL QTZ RODS

SHEET 2

(31) A Id S_1 099/80S

FAULT ROTATED BLOCK

(32) Ic S_{12} 077/42SE
D_2 TIGHT FOLDS

(33) " S_{12} 077/55S CONTORTED BY FAULT

(34) FAULT/THRUST 095/40N

(35) Id S_1 060/42NW

(36) Ic S_1 094/24S
F_3 169/24S
S_3 N 155/55SW

(37) Ic S_1 169/48E

(38) Id(e) S_1 139/13SW

(39) Ie" FOL. 011/40E

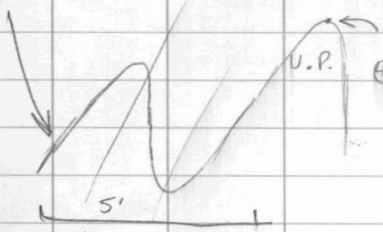
XENOLITHS OF SS, QTZ & PROB ALTERED INTRUSIVE

(40) Id S_1 012/44E
F_1 185/6
F_3 150/33

(41) FAULT 071/74N

102

✓ (42) lc S_{12} 120/475 2



(44) slip surf 120/675
lcd QSG

(45) lcd S_{12} 121/225
(46) slip surf. 102/765
(47) " " 121/485
(48) " " 106/295
(49) FAULT 077/70N
(50) ld S_1 148/80 SW
(51) ld S_1 105/22 SW
(52) ld S_1 008/44
F_1 010/6

51 - 52 CONTORTED.

103

SHEET 23 AUG 11

(21) ALT'D ESG S_{12} 105/135

(22) 1a' S_{12} 075/205
TWO FABRICS ? S_3 ? 135/315

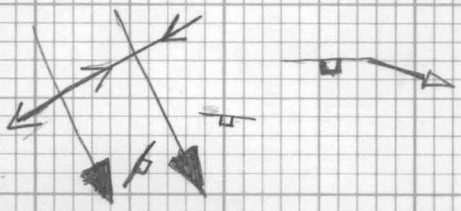
5-23-22 MARKED 047/83 NW

(23) " S_{12} 057/18 SE
F_3 ITEMS 155/15

(24) " S_{12} 121/20 NE

(25) " " 060/17 SE

(26) SEAMED WITH D_4? SLOPS ~ 073/43 SE



(27) " S_{12} 105/7

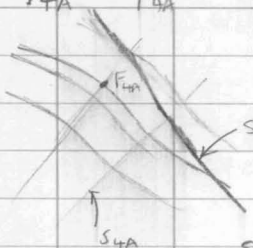
(28) " 085/10N
MAY BE A LITTLE D_5 here?

(29) " " 131/7 SW

(30) S_4 SLIP 113/45

23

P_{4A} F_{4A} 115/8



S_{12} 118/305

P_0 START OF THE BULGE

P_1

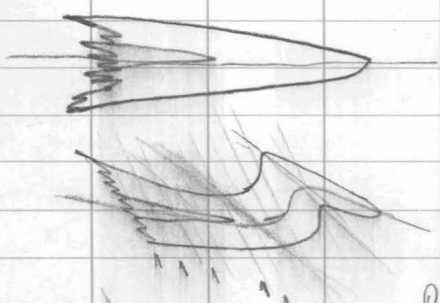
P_2

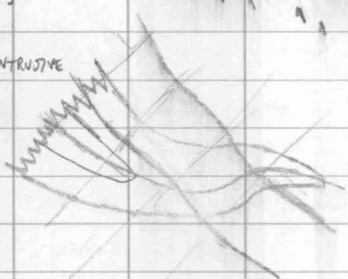
P_3

P_4

P_5

INTRUSIVE





105

23-22 (3) SL? SLIP 075/31 SE

TWO SETS OF THESE?

ONE 100 – 110 ?

ANOTHER 070 – 080 ?

S12 044/75E

(32) THRUST ? 065/51 SE

GRAPHITE SCHIST

1a – still lots of lichite sometimes S12 024/5W

(33) 1b qtzpe S12 100/37 S

(34) FAULT ? 075/80S

CONTACT OF 1B?

(35) FAULT 053/61 NW

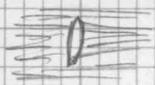
GRAPHITIC SCHIST S12 057/22 NW

(36) FAULT 037/60 NW

CSG S12 048/34 NW

BOTH AT FAULT SURF PROB LOCAL

SLICKS PITCH 15° SW



PLUCK SCOUR IN PLATES RT LATERAL MOVEMENT.

SHEET 22

(4m) 1a'

(21) SS / FS SLIP SURFS 044/63 NW

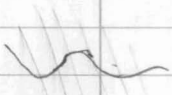
RODDING 060/20

S12 168/22 W

106

✓ (22) 2a S_{17} 115/18 22

(23) 1a S_5 ~~048~~ 057/70 NW
F_5 065/2



BOX TYPE FOLDS & KINKS

S_{12} 003/28W VAR.

107

SHEET 15

15 ✓

(40) 2a (1a partings) S_{12} 122/31 SW

BOUDIN WRAPS 239/26

(41) 2a S_{12} 118/255

(42) " S_{12} 122/31

(43) " S_{12} 130/34

(44) " S_{12} 102/25 S

(45) " S_{12} 135/21 SW

(46) " " 131/28 SW

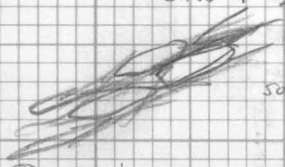
FAULT 102/68 S

(47) " 110/70 S

STEEPENING TO ~105/90 AT TOP

(48) 1a S_{12} 111/26 S

BAND OF 2b IS LAYER OF BOULDERS



SORT OF THING.

(49) 1a S_{12} 106/25 S

(50) FAULT 059/71 S

(51) 1a S_{12} 090/16 S

(52) " " 124/17

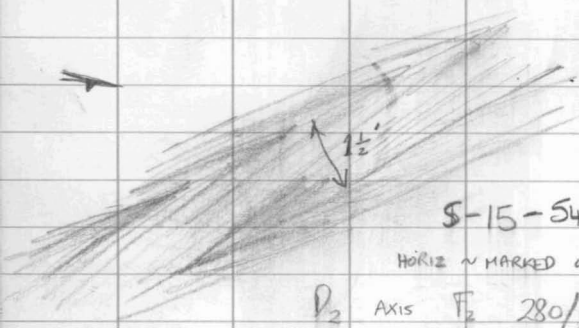
(53) 2a S_{12} 118/20

108

√ (54) FAULT 064/50S

15 V. PLANAR 3" GOUGE ZONE.

(55) 2a" S_1 109/27

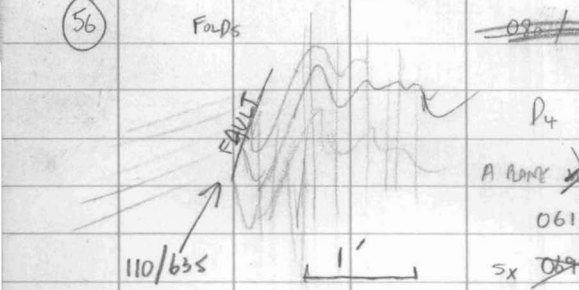


S-15-54

HORIZ ~ MARKED ON UPPER SURF.

D_2 AXIS F_2 280/10

(56) FOLDS ~~090/HORIZ~~



D_4

A PLANE ~~VERT~~ VERT TO 061/67S

5x ~~069/10~~

REFOLDED (AFFECTED BY FAULT)

SLIP 069/65S

$S_{1,2}$ 095/25S

(57) 1a $S_{1,2}$ 085/27S

109 graphitic [illegible]

15-14-8-14

(58) Fault 055/85S displaced on bedding plane?

(59) 1a S_{12} 126/22S

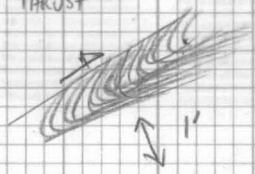
(60) FAULT 1" GOUGE 096/63S

SHEET 14

(74) 2a S_{12} 109/35S

(75) FAULT 080/54S

(76) THRUST 065/37



F_5 254/7

SHEET 8.

(94) FAULT 100/70N

(95) 2b 100/41S

(96) " 103/35

SHEET 14

(77) 1a QTZ ROD 126/10

S_{12} 075/27S

(78) 2b/1a SOZ 113/33S

(79) FAULT 047/45S

(80) 1a S_{12} 055/22SE

110m

SHEET 14. AUG 13

1487

(91) 1a S_2 099/17S

(92) 1a S_2 067/28S

6" BOUDINS OF 2b

SHEET 8

(97) 1a S_2 114/35S

(98) " S_2 073/28S

(99) FAULT 081/71S

XX GRAPHITIC GOUGE ZONE 6' NORTH

1a S_2 085/33S

(100) GRAPH GOUGE ZONE 109/85S

SHEET (7) (42) 1a S_2 098/33S

(43) 1a S_2 101/37

111

SHEET 7 AUG 14 7 — 1 ✓

(44) la (blocky) S_{12} 085 / 38S
much qtz rodding

(45) la more schisty S_{12} 107/43S
minor fault 088/54S

(46) 2' fault zone 058/80S
la S_{12} 087/54S

(47) " " 102/46S

(48) " " 088/44S

SHEET 1

(34) ld bedded S_1 135/35SW
CANT GET F_1

(35) lcd F_3 145/40
S_3 ~ 145/90

(36) n/ld S_{12} 102/25S
FAULT 056/90

(38) le'' STRONG FOL. ~ 100 /54N
(MAG EFFECT)
FAULT 167/84E
1' BX ZONE

(38) ld S_1 181/37E

(39) " " 128/33S

(40) le'' FOL. 140/90
le' bleb.

(41) FAULT POLISH 072/75S
ld S_1 073/41SE

(42) FAULT 084/63S
ld S_1 086/37

112

1

(43) FAULT POLISH 061/69 SE ✓

WHOLE FRONT OF THIS O/C IS CURVED FAULT SURFACE

(44) FAULTS 142/67 NE
S12 104/41 SW

(45) FAULT 115/80S

(46) 1cd S12 126/49 SW

(47) " " 141/34 SW

(48) " " 105/38 SW

(49) 1e" Fol. 020/75E

(50) 1c S12 163/36 SW

(51) 1cd S12 086/31S

(52) " S2 104/44S
FAULT 071/55 SE
1cd/1d

113

1-8 ✓

(53) 1d S_1 108/50 S

(54) " " 137/31 S

SHT 7. (49) FAULT/THRUST? 118/50 S

STREET 8

(101) 1e" 049/41 SE

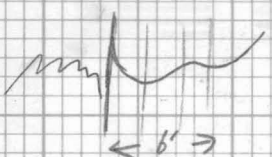
(102) 1c FAULT 085/66 S

GRAPHITIC

(103) 1c-1a $S_{1,2}$ 055/34 SE

(104) 1a-1c FAULT 068/90

N. SIDE $S_{1,2}$ 070/67 N



(105) 1a' $S_{1,2}$ 074/90

(106) 1a $S_{1,2}$ 089/59 S

(107) 255/13

A PLANE STEEP SOUTH

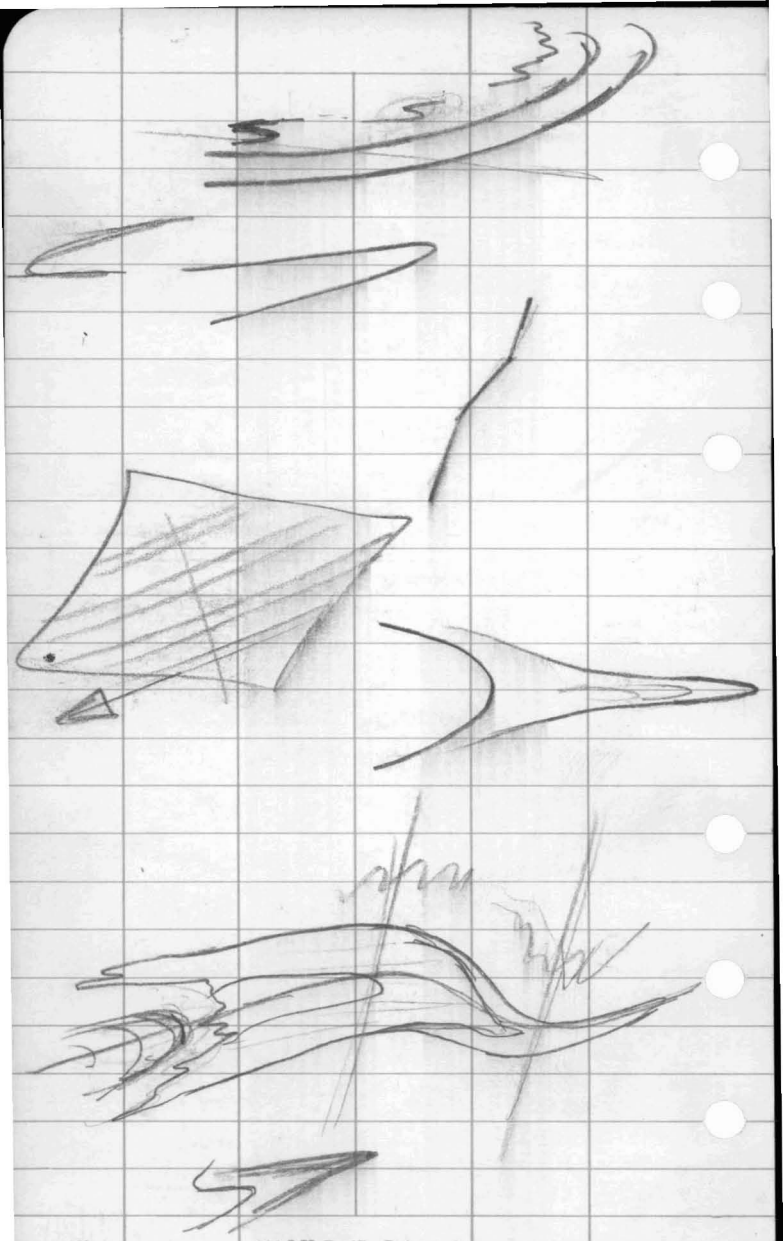
INTENSE P_S crumpling

(108) 1a 087/34 S

GREENISH (1a")

(109) 1c $S_{1,2}$ 126/90

114



320 LX Pacific Rainproof

SHEET 8 F$_1$ AXES √8

① F$_1$ 000/31

S$_1$ 140/42 E

081/49 }
058/52 }  D.P. SAME GENERATION

KINKS

② F$_1$ 357/20

S$_1$ 150/36 E

③ F$_1$ 023/22

S$_1$ 174/43 E

④ F$_1$ 187/19

S$_1$ 060/22 SE

⑤ F$_1$ 332/12

S$_1$ 152/90

PHOTO 12

CLOSE D$_3$ SYNFORM IN 1d

⑤ ON ONE LIMB ④ ON T'OTHER

13 D$_2$ × D$_3$ BASE OF RAMP

⑭ NW WALL — UP D$_3$ PLUNGE

⑮ FOLDED PYRITE IN 1e"

BELOW ⑧ SHT 2

⑥ FAULT 010/49 W

⑦ F$_1$ 163/11 S$_0$ DIPS WEST

S$_1$ 171/40 E

5-2-15 S$_1$ X S$_0$ 145/50 E MARKED

115

8

(8)	F_1	157/13	✓
	S_1	178/32E	
	S_0	178/90 TO MODERATE W.	
(9)	S_0	125/67W	
	F_1	137/23	
	S_1	167/45	
16	S_0	PHOTO OF (8)	
17	S_0	PHOTO OF (7)	
18	S_0	PHOTO OF (8)	
19	S_0	↰ PHOTO OF (9)	
		S-2-15 FROM HERE	
(10)	S_1	177/38E	
	F_1	155/17	
(11)	S_1	164/48	
	F_1	162/3	
(12)			
	S_1	132/61NE	
	F_1	323/14	
		143	

116

1 QFP BX WITH 1e" MATRIX

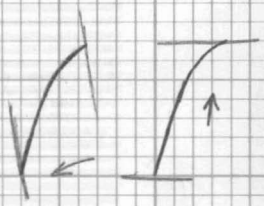
2 PAINTED 1e" DYKE

STAT (25) SHEET 2

√8

(13) S_1 012/36 E

F_1 191/1



YOU HAVE TO HAVE A GOOD HANDLE ON THE BEDDING ATTITUDE

(14) F_1 188/14

S_1 028/27E

(15) S_1 159/79E

4 BEDDED QTZITE, So ⊥ S_1 DETAIL

5 " " WHOLE

6 S_1 DIPPING NE AT MAJOR HINGE

AUG 18 ✓

PHOTO -1 } ROOTLESS FLAMER STRUCTURES
-0 } IN CSG (D_1)
1 TIGHT FOLD IN 1a" SHEET 15 (34)
2 ALIGNED ANDALUSITES ↓
S_0? COLOUR BANDING 1a'-1k " "
3 STAT (25) SHEET 8
(4) STATS (26)-(32) SHT 8
(5) CURVED REFRACTOR S_1

(16) S_1 167/55E MARKED.
F_1 003/14 F16

(17) S_1 126/36 SW
F_1 243/27

(18) S_1 ~~[illegible]~~
053/43SE
F_1 205/20
30' — (meet to sheet 2 (26))

(19) S_1 045/37 SE
F_1 190/23

(20) S_1 183/54E
F_1 183/0

6 1e" IN TIGHT SYNFORM
SHEET 8 LINE 10

21 S_1 137/90

F_1 317/42

STRONGLY BANDED FOR THIS BENCH

7 Ob 6

22 S_1 013/34E

F_1 024/14

23 S_1 084/26 S

F_1 193/27

24 084/47 S

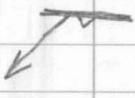
F_1 214/32

25 S_1 055/35 SE

F_1 197/20

26 S_1 100/52 S

F_1 235/41



120

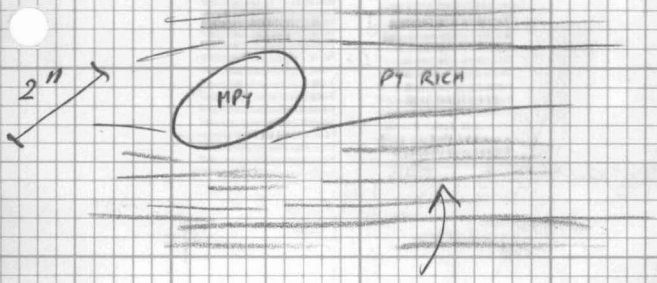
TRY CUTTING SAMPLE 0101 ⊥ F_1

8 FLOW FOLDS IN CSG D_1 ?

9 " " D_1 ?

(10) D_5 KINKS SHEET 22, 3880

BANDED ORE ON 3835 BENCH :-



M 12 — W. WALL. } PLOT UP ALL RESULTS & PUT ON WORKING COPY IN EVENINGS

T 13 — W. WALL

W 14 — NE WALL

T 15 — AEX – PIT } PLOT UP & CONSOLIDATE

F 16 — CLEAN UP.

S 17 — } SPECIAL PROJECTS

S 18 — }

1) PHOTOS
2) THERMAL METAMORPHISM OF SILICATES
3) S_0/E_1 W. WALL.

M 19 — →

T 20

W 21 — MANNING.

PIT MEMO

1. PHOTOS

2. ~~10 SAMPLES FROM 3835 AT SW FLANK OF DEPOSIT.~~ BLOWN UP.

3. S_0 ATTITUDES FROM W. WALL WHERE NOT // S_1 ?

4. WAY-UP FROM GRADED BEDS + CLEAVAGE REFRACTION, W. WALL

5. SAMPLES OF lcd AT DIORITE CONTACT

√ JUNE 30 X

PHOTOS TAKEN

1.2.3. F_2 FOLDS IN TALUS SHEET 11

4,5,6 F_2 FOLDS IN QMS SHEET 11, 12

7. GENERAL VIEW S_4 & $S_{2(1)}$ SHEET 12

8. D_3 FOLD SHEET 17

P_4.

PHOTOS

① P_{4A} CASCADE SHEET 18 √

② S_4 NORMAL SHEET 12

③ F_3 FOLDS WEST WALL

④ D_5 MINOR SIN S_4 SHEET 14

⑤ SULPHUR FRONT SHEET 3. √ 7, 9

⑥ FOLIATED COARSE Py √ 5

⑦ DISCORDANT D_3 FOLD

⑧ D_3 FAULTS, SHEET 3 √ 1, 2

⑨ INTRUSIVE XENO MARON, SH 3 √ 3, 4

⑩ PORPY BANDING / Po & Py BLEBS / COARSE FOLD Py, SHEET 3 √ 5

⑪ P_3 FAULT SHT 3 √ 6

⑫ SULPHUR FRONT √ 7

⑬ " CLOSE UP √ 9

⑭ Py GRAINS IN Po √ 8

⑮ Py BANDING IN Po √ 10

⑯ BEDDING IN QTZITES √ 11, 12

INITIAL PROBLEMS

① RELATIONSHIP OF ORE TYPES

② EFFECT OF $D_2 + D_3$ ON F_1

5a CSC

4b CHLOR PHYLL

4a GOT

3d GRAPH

3c

3b

3a

$$\sqrt{\frac{\bar{x}^2}{n^2} - \left(\frac{\bar{x}}{n}\right)^2}$$

OFFICE MEMO

1. PAINT ROCKS
2. PHOTO / LIST
3. COPY LOGS
4. PI + REG MAP
5. PLOT ON ORIGINALS AND WORK COPY
6. DDD NO SECTIONS
7. SAMPLE LIST AND LOCATIONS
8. DAVES FILE

Aug 2nd (28)

Books going
Cyrses going
Weather may go either way

① CMG (low grade) 119/67N
② Qz 001/45E

③ Grey mildly mica coarsish phyllite. P
116/74

④ GP 026/50E
⑤ P
113/63
F_5 068/56 (④ + ②)

⑥ GP/ Hem-Mus- P (HMP)
000/67 E
⑦ Mildly chloritic P. 134/55
⑧ GP 022/50 E
⑨ P. 097/36
$F_3 \times F_5$ F_3 332/24
F_5 053/29

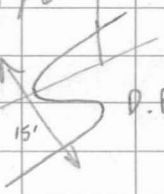
(10) 8-9

Mullions on 007 trend; face S_1 007/9

strikes towards a layer of similar E dipping attitude across valley.

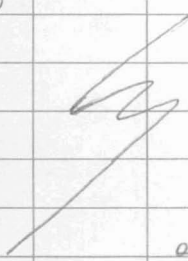
S_2 016/26 E

S_x F_2 189/6



some banded material below POLO. (rotdg?)

(11)



core

GROUP I $(S_2) = S_1 \not\parallel S_0$, sub g-schist

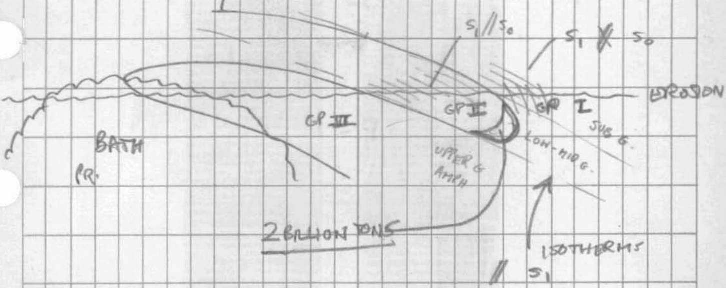
GROUP II $S_2 \not\parallel S_1 \parallel S_0$, low-mid g. schist

GROUP III $S_2 \parallel S_1 \parallel S_0$, upper schist – amphibs.

SEPARATED BY GRAPHITE?

CONDUCTOR D.

(29)



POST D_1 MET'M.

& BATHOLITH

(12) CP 158/21 E

CP IS MORE MASSIVE THAN P

SHOWS S_1 BETTER, + MORE.

BROWN WEATHERING RATHER THAN GREY

OLIVE TINT.

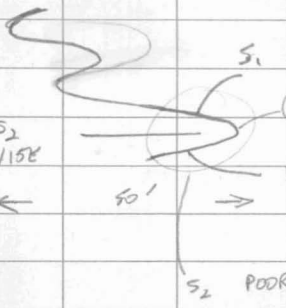
(13) CP 154/33 E

Y-97 AMP bed above (13)

(14) - veining + qtz/se skarny rocks

(18) UNIT 8. F_2 132/15

VERY BEAUTIFUL.

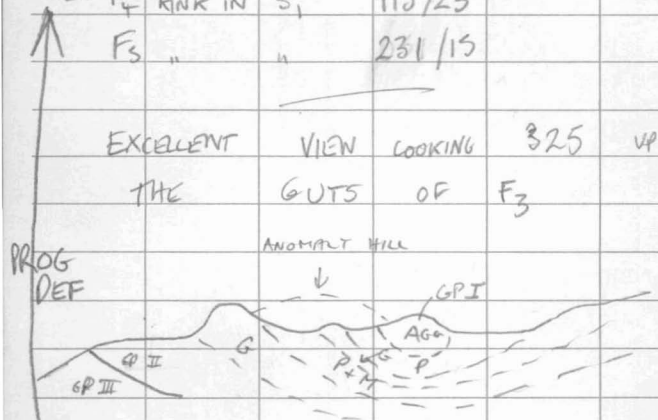


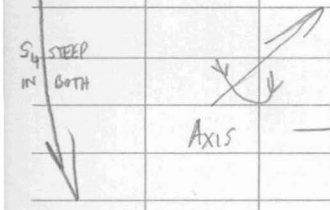
F_4 KINK IN S_1 115/23

F_3 " " 231/15

EXCELLENT VIEW COOKING $325 UP

THE GUTS OF F_3





NICE

$F_2 \times F_4$

F_4 130/19

(30)

Y-98 — hematite vein 8 at top of (15)

(16) 8 S_2 030/32 SE

F_1 KINK 126/22

N ✗ D.P

TIGHT F_2 IN 8-7

(17) UN.T. S_2 088/15 SOUTH

(18) Do glyge? 030/11 SE

STRONG LIN 131/12.

(19) Ro 2 good beds fine cross

137/5

196/3 F_3?

S_2 072/3 SOUTH

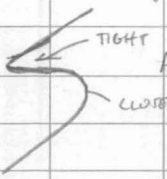
(20) 9 at top (W)

8 at bottom (E) S_2 080/10 S

S_1 014/36 E

F_2 176/5 S_x

(almost) a replica of (16) + (16)

if anything 

IS THIS THE LOWER LIMB OF (15) ?

– EITHER THAT

(21) P_0

(22) P_0 S_1 019/36

(23) W (7) good collim S_2
→ (CP) 040/195E

$S_1 \times S_2$ strong lin 102/16

(24) 7-8 S_2 029/16

(25) S_2 021/23

(26) 8-9

Aug 3

Beautiful day again after a threatening morning okay.

① Limy calc silic gneiss with $F_2 \times F_4$ — EVENING PHOTO

② Do

③ Very beautiful $F_2 \times F_4$ effects in rare limy, strikingly banded gneiss.

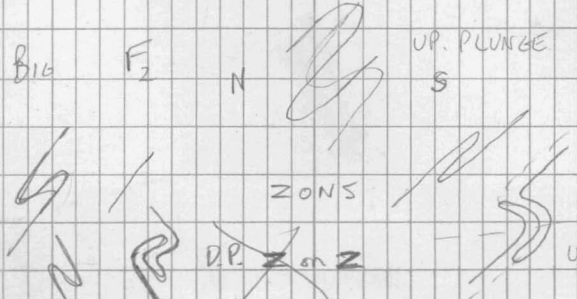
④ CMG / BAG Beaut $F_2 \times F_4$.

S_2 DOM / 116/56 N (S_2 // NOT DEFD

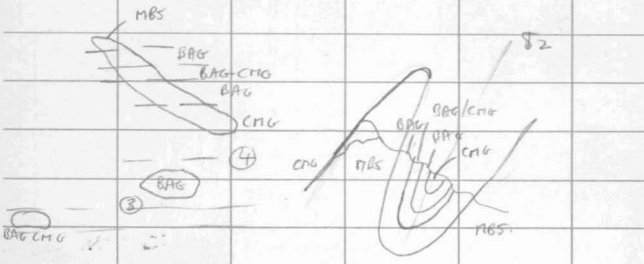
FANTASTIC BRITTLE BOUDINAGE EFFECTS.

AMAZING FOLD PATTERNS

FOR A MIDDAY - EVENING PHOTO



(5) F_2?(4?) 318/1 N S MINOR U.P.



(6) MBS 176/28E.

(7) lo 139/32

thin interband of banded gn.

Y-99

Very Hard

- sliver takes a junk out of my finger

F_1 FOLD ?

V. ATTENUATED BASIC BAND.

(8) MBS 156/46N

V. GARNET FELDS

(9) MBS 011 /23 E (32)

Related to linear on map + photo.

(10) Ro 196/19E

F_3: area 181/1

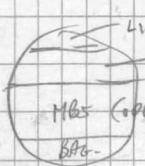
(11) Ro 163/20 E

(12) Ro 143/45 N

+ above Ro

(13) Ro 36/c. 144/23N

(14) TOP

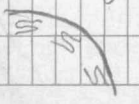


BOT

92E/24N — BAG FLOAT.

(15) BAG. FAULT — APPARENT LEFT LAT.?

great big F_4 111/21



(16) MBS 097/22N

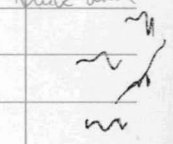
(17) MBG 134/22

(18) MBS 116/27

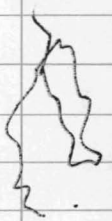
PHOTO 1 FLOAT SAMPLES OF $F_4 \times F_2$ IN CMG

(19) BAG 105/12N
with fine P_2 vein qtz 3' thick unit
Basic + flaggy Y-100
Bi rich
equiv to BBS ?

S_4 121/14 S.
F_4 SX 297/3



Big F_4 mullion
fold same as (15)



(20) MBS S3 095/35
beaut qtz rich band.
F_2 SX 298/16

(21) R_0 098/30 (33)
311/16 SIX2

(23) R_0 093/30

(22) R_0 073/33

(24) R_0 082/32 N
F_3 crems 326/26
PROM JT 082/69 N

(25) R_0 100/18.

(26) R_0 103/42

(27) BGG/BAG 090/37 N

(28) u S_1? 092/74 N

(29) (21) CM6 S_1 19/56 N N $F_{4,2}^{5}$?

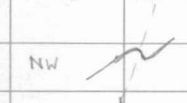
(30) $F_2/4$? 140/0.
S_2/S_4 140/48 N BIG F_4?

$F_2 \times F_4$

(31) MBS 113/50N

(32) D_0 089/39N

F_5 KINK 053/10



060/60 NW.

(33) 095/32

(34). 105/25.

(35) 064/46

(36) 103/24

(37) Crens 312/13

(31) 095/28.

$S_1 \times S_2$ 304/11

(38) 156/38E

(39) 166/38E

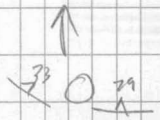
(34)

(40) 136 / 38

(41) BAG 158 / 60. - S, ?

(42) BAG 129 / 66

(43) MBS 126 / 33
114 / 79



(44) BAG 121 / 56

(45) 141 / 63

Aug 4 5

Scattered cloud, sunny intvls.
WIND-Y

① Patch of GP by camp – isolated ?
surrounded by rubbish – CBBB ? BGG ?

② Mildly GP + CMG
(v. friable 1.M)
147/53 N

③ HMP on STRIKE WITH MILDLY GP
+ TO THE N – SMALL o/c " "

④ coarse rusty P.
126/42 N

⑤ Po 129/48 N

⑤->⑥ 109/37N (less steep) ? FLOWERS?
nodding 082/17
could be 5x but no folds
on limbs

⑥ S_0 131/61N

F_4 wrinkle 113/15

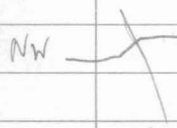
⑦ GP 177 55NE Due to F_5 050/57

interfering with / folding F_4? 140/49.

S_2 MARKEDLY DISCORDANT TO S_0

striking in P 158/26N

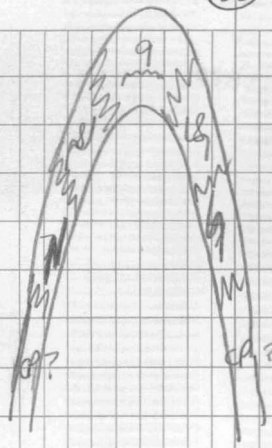
F_5 067/20



⑧ Boulder of crafted w/ 8

THOUGHT

UNIT 8-9 IS AN F_2 HINGE ROCK



(9) S. 029/26 E

(10) CP 038/24

CP has more planar ≡z than P i.e has easily warped + cracked

(11) P slumped

(12)	CP	049/21S good S_2 lith d.
(13)	Ro	154/21E
	$S_1 \times S_2$	022/21
	F_4 Crens	119/13
(14)	Ro	028/10S
	crens	149/12
	F_5 fossils	051/5/vert.
(15)	CP	021/23.5
(16)	CP.	068/30S
	POSTS	NO2's Y3934, Y3935 V. OLD.
(17) (cont.)	CP	063/11S
	$S_1 \times S_2$	129/11
(18)	Ro	051/23E
	F_3 crens	138/19

(19) C.P 157/22E

F_4 effect?

F_4 warps + wrinkles 106/12

HEM 7

(20) CP 036/315

4 POSTS

GUNS ? (CUD ?)

(21) 151/14E

(22) 038/235

$S_1 \times S_2$ 135/23

(23) UNIT 7 130/28 NORTH.

Y-101 — F_5 IN UNIT 7.

(24) CP-7 012/19

(25) 7-8 F_2 106/18 SX

6"

P.P.

S_1 112/36 N

S_1 (almost) dominant
yet rock is still
somewhat phyllitic (?)

(26) CP. Y102
Beaut fine cr. cl.
003/18.

(27) Po
F_5 KINKS D.P + positive
068/18
S_2 005/16E

o/c ? look also it strikes
into (24).

(28) ? S2 174/31E

(29) Y-103 UNIT 7-8 — looks for
all the world like unit T mapped
above Base camp — same pale apple
green, blue qtz chlorite rubbish
here qtz + carb veins.

(30) 7 S_2 165/17E (35)

Unlike lithon S_2
S_1 steeper.

(31) S_1 shallower
1'-3' band of Y-103 closes

(32) RP 2 IN UNIT Y-103.

S_2 012/28E. = host CP.
$S_1 \times S_2$ 138/26

(33) CP-8 S_2 013/26

(34) CP-7 lithon S_2 017/28E.

(35) CP 024/25E

(36) 7-8 good S_2 024/12E
Y-104. SPOTTED

2 Posts	Nos 2	x?	97? + 98?		1986
(37)	9.				
(38)	P.	142 / 23			
(39)	P	146 / 37			
(40)	P	129/58			
(41)	CSG	Y-106			
	Y-106	CMG	FROM	OUTSIDE	CAMP.

Aug 6

Wee kitty wind (earlier on (8:00 p.m stat) – still a minor force ||

(1) CP. 166/31 E

(2) CP → BAG Y- 106
146/29E
F_2 097/26
BAGGY exposures have good F_2 showing influence on P_2 of lithology.

(3) P_0 172/33E

(4) V. contorted GP
087/40 SOUTH.

(5) CP 166/53 E
$S_1 \times S_2$ 134/41

(6) GP. 141/57
V. CONTORTED
F_4 127/10

(7) . GP / CONTACT
116/90 F4 116/16

(8) GP F4 315/8

(9) GP 014/53 E.

(10) GP 126/50 planar
F4 trans 116/2
S4 002/3E

(11) GP 167/41E
crd 035 42
Sx 104/40
1+2? Y-107

(12) Po S_1 142/66 E
S_2 020/54 E

(13) Po Spot 1 160/34
S_2 016/38

(14) BAG/7/8. S_1 138 /47

(15) P

(16) BAG-7 F_5 068/48

S5 v stack south.

058/71 S.

(17) UNIT 8/9 171/29 E

P contact.

(18) S_0 105/69N

(19) CP→7 178/11 S_2

GOOD.

(20) 7 033/27

F_4 ? LOOKING E

Aug 7.

6/8TH + WIND.

(1)

MBS ≈ 113/71 N

(2) BGG + SOME CMG

(3) " 104/60N

(4) " 127/41N

(5) " - BAS - LIMY.

V. LEUCO. of Legend Mtn.

119/42.

(6) BGB

100/29

POSTS.

NO2	MX 40	FEB/16/69	M. OIL CO
	41		
NO1	42		
	43		

(7) LIMY BAG / BGG / LEUCOGNEISS)
S_1 072/46

(8) GMBS 160/14E

(9) G in MBS
S_0 ~ 042/43 NW
S_2 064/23

G - apparently un foliated
Tour - mo peg.

POSTS NO 2's 3876, 3877
NO 1's 3878, 3879
V. OLD

(10) MBS 079/21

(11) Ro 112/15

(12) " 090/21

(13) 101/21

F_2 folds ^ ~ vert N/S no tight Z

(14) 057/25 NW

(15) MBS 073/24

Photos 5 + 6 of each folded
G - MBS CONTACT

(16) MBS 079/19

(17) " 086/23

Y-110
FOL. G.

4 POSTS #1 [illegible] 22 L.E. AUG 15/69
G McLEOD.
not illeg.

(18) MBS 086/27 N

(19) MBS 100/28

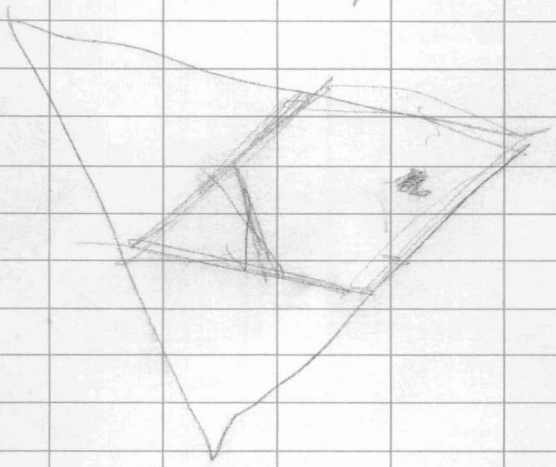
(20) " 086/27

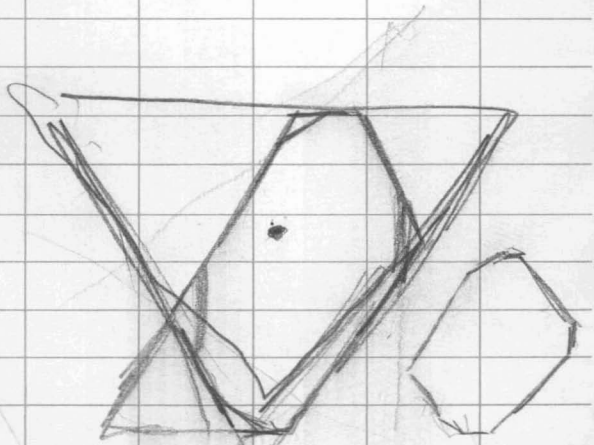
(21) " 079/29

POSTS 2

No 2 TAF 10 SEPT 25/11 G. BOB

(22) GLASS 136/35 N





Aug 8

V. still, going to hour?
7/8 TKS

① BGG 129/44N
Basic y — 112
(⇒ CSG?) (⇒ BBS?)

② MBS 133/54

Y-113 BGG sta.

③ BGG → CMG 108/43 ✓
VIA LEXINGTON

④ BGG 138/45 ✓

⑤ CP 122/68 ✓

Y- 114 TMG BAYLINE

⑥ BGG 111/39N

⑦ CMG 125/60

⑧ MBS 086/24

(9) MBS 169/29

(10) CMG F_4 (2nd) 300/11

(11) 4 Posts MX 45

(11) MBS 106/47

(12) BGG 133/48

(13) CSG

Y-115 F_2 fold nose in.

F_2 289/3.

Aug 9

18/20 th, BREEZY + GOING TO PISS ON ME

① 7-8 159/47 E

037/59 E LATER FABRIC.

S_x (strong) 074/43

② 7 005/50 W. ▽

③ Photo 8. S FOLD IN GST.

IN GUTS

④ CP 47 159/20 VAR. = S_2 WITH Y-116

LOOK E

F_4 WARP

$S_{x,2}$ 113/18

④ Massive + Hoky CP.

UNDER ③

034/29 S_2

F_{S_2} Crews 043/7

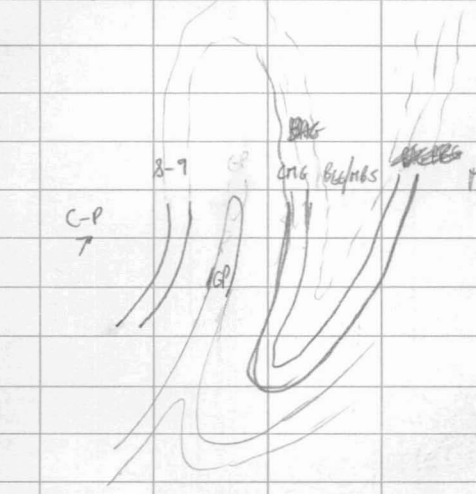
⑤ CP 022/25 S

(6) CP-7 066/215

(7) CP-P 048/21
cross 161/12

(8) F_2 in 9th 134/7
with S_2 UNIT CP-7

(9) CP 080/225
to crd.



(10) R_0 059/155
$S_{\times 12}$ 146/14

(11) P. 114/55 (45)

(12) BGG 125/70

(13) ~~125~~/SP 132/68

BGG have markedly discordant F_2 rods + F_4 crens

(14) SMP/S

140/60N

(15) 153/33 FLAT UMG?

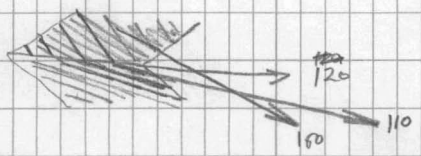
(16) Photo 9. F_2 structs in BGG.

S_2 124/72

F_2 rods 116/20

(17) SMP 125/60 S.

F_2 rods 160/25



(18) PHOT 10
BIG STAUR PSUEDS IN SMP
Y-117
S_2 130/65N
F_2 Sx smear 089 / 58

(19) little spec of zapped stain.
S_2 130/58
F_2 smear 123/18

(20)
131/71N
SMP
(21) Po 119/76

(22) Po F_2 QTZ ROD 108/42

(23) Po Y-118
F_5 KINK 062/57 VAR
TO 090.
S_2 135/59

(24) Po 135 / 61
(25) Po 147 / 47

(46)

(26) Ro

126/61N

Majority of Big Stan 342/46

(27) SMS Y-119

129/62

(28) " 096/34

KINK 031/52

(29) V BLOCKY SMS —= BGG?

(30) BGG Y-120

SR

(31) " 129/30

(32) GSMBS 151/18N

TEST UNDER (31). FRESH G+S

(33) SMS 106/56N

(34) " S/P 120/63N

(35) 116/46

(36) " 105/37

(37) Rt 137/60

50 c/c DAY
×30
1500

(38) MBS 120/60

(39) BGG 114/48
F_2 smear 306/13

(40) 6 MBS 120/84

(41) 6 MBS S_2 138/33
F_2 in QV is tight.

Y-121

(42) " 117/48

(43) BGG 131/66
F_2 120/3

(44) " 137/48

45 SMP 127/48

BEAUT STAURT.

46 " 132/56

47 164/48

48 BGG S_2 138/S_2

ALIGNED STRUK BOILERS 339/22

F_2 rods 088/46

PHOTO K4 BEAUT TIGHT F_2

49 BGG

F_4 valp 114/11

S_2 124/64N

Aug 10 (48)

3/8 THS, STILL & MOSST

(1) BGG 124/26

(2) " 115/56

(3) CMG S4 122/67N/129/55N
F4 297/1

F4 x F2 interfere

PHOTO 16

(4) BGG F4 113/2
F4 x F2 PHOTO 17

(8) Lenses BAG Y-121
F4 flat limb
5,000/7W

(6) BGG 121/23

(7) BGG

F_4 125/1

WHOLE $\oint$ D.P.

(8) PHOTO 18 COMPLEX $F_2 \times F_4$

IN CSG

(9) MBS 117/36

(10) BGG

F_2 BOURDON NECK RUNNEL 102/37

S_1 123/49

PHOTO 19 MOSSIES

(11) MBS

S_2 132/41

(12) P_0 139/44

(13) P_0 128/65

14 BGG → CSG 144/29

15 MBS 094/34

POSTS LEDGER

MARCH 11/66

#1 x 33 8 x 36 #2

#2 x 33 (OLD)

16 MBS 137/50

17 " 126/47

18 " 130/40

19 " 156/13

20 —" D.P. 341/21

F4 crew 100/20

21 LOOKING ACROSS AT G/MBS "INFOLD"

REINTERP.

(22) MBS 074/24

Aug 11

New camp
Nice day
New road

① 2. Foliated greenstone interm ed Y-122

① 000/12 W DOM

② 113/46 S S FRACT.
& veining

UNIT 8 AFFINITIES TO UNITS V & T

Ditto ② 138/22 S DOM
SX 146/5 ✓

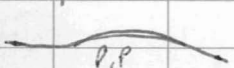
② Do FROM FABRIC 067/31 S.

BIT OF O/CARB FLOAT

③ Do Better fol 072/16 S
crens on this 131/15

float of cren'd tuff

(4) — Fissile limy horizon
Y- ~~123~~ — concordant to S ?
S ~~176/17~~ 012/17E
faint lin 089/14 ? SIGNIF ?
= S x 176 x 012.

(5) Do 3 031/14E
warp


S plane v. steep SE
plunges 85° in prof.

(6) limy fissile horizon
overlain by dark green
meta V., veined
AS AT 192 W GULLY.

LOOK AT LAYERING FROM CAMP.

meta V.
vein plane 112/19S
S
slicks. 261/15

S HORIZONTAL (VARIABLE)

⑦ S — 054/12S ± v.
fissile band over ⑥

⑥ Fissile lining underlain by thin band of bonded tuff T-123.
— style of this cliff is good penetrative S, wrinkled by minor warps.
S 090/16S
in fissile lining which is equivalent to A mapped in stream above base camp below Anomaly hill.
— fine fragmental / coarse tuff.
≡ unit 7 (same colour)
crens & warps
284/1
alphane vert.
v. fine kinks & fissures F_S 025/horiz.

Did Tuff band possibly less steep than S

overlain by meta V.

Then massive o/carb which seems to dip south into base of Fist

Then to meta V.

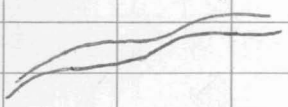
(9) – 063/75

(10) Psolitic tuff – two fabrics

(11) Lying coarse tuff with o/carb rodding X to crens – some fiamolites

o/carb rodding 055/9
S 119/10N variable

a lot of minor warps round o/c bowding + rodding.



Comme ca b

(12) Bedded tuff + tuffaceous seds

Y-125 S_0 141/14E

green fine – S_1 070/23 VAR

brown coarse – Y-126 S_1 095/36

PHOTO 1 (52)

S_{OX1} 088/11

EVENING PHOTO WITH F_5 KINK
(Some F_4 crens also present)

STRAT

095/36
070/23 (12) BEDDED TUFFS + TUFFSEDT

119/10 ? S_{10} (10) (11) PISOLITIC TUFF + LIMY COARSE T.

063/7 (9) CARBO META V

090/16 (8) COARSE T ? BANDED T

054/12 (7) META V ? COARSE LIMY T

(6) META V
LIMY COARSE T

031/14 (5) META V

012/17 (4) LIMY COARSE T

072/16S (3)

067/31S (2) META V.

? 138/22S (1)

S_4

(12) Vesicular, pisolitic? S_6? 138/18S
1 Y-127 S_1: 088/32
2 fabrics S_X 240/12
Weathering?

(14) Do spotted Y-128

S_1 114/32 S

$S_1 \times S_0$ 102/2

Fault in gully

(15) Neutral to pale green fine grained structureless rubbish = unit 7 of Anomaly Hill and/or stuff above base camp. cleavage is irregular - more like a closely spaced fissile jt. Y-129

(16) Vesicular weathering pisolitic tuff. — v beautiful def'n pisolite.

S_1 071/23 Y-130

(17) Bedded tuff

Photo 2 - transportation

S_0 much steeper than (12)

S_0 067/65 N

$S_0 \times S_1$ 069/4

S_1 078/19 S

(18) lo

S_0 094/47N

$S_0 \times S_1$ 087/10 ·

S_1 011/10E ·

$F_{4/2}$ warped ↘ D.P

$F_{4/2}$ crens 130/4 ·

(19) lo

S_0 084 wet to 70 S

$S_0 \times S_1$ 084/11

S_1 045/10S

$F_{2/4}$ 126/11

(20) Bedded (coarsely) green tuff. not vesicular weathers. Some fine banding

S_0 112/24 N

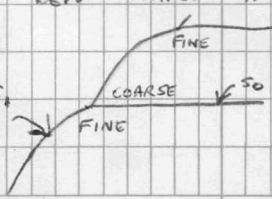
$S_0 \times S_1$ 092/6.

S_1 079/11 S

T-131

YOU CAN FEEL THE WAY UP.

BEDS GRADED AND OVERTURNED.



Y-132

limy coarse T, float

(21) PT: lumped S_0 ~ 20-30° N

PHOTO 3

(22) A66/Bx

PHOTO 4

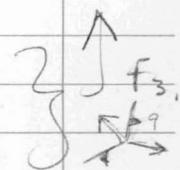
S_1 015/23E E o/c

103/25S W o/c

(23) Piso T 126/21S

(24) coarse T

024/9S



(28) coarse/piso T 008/21E

(26) coarse T

(27) unit 9 / meta V

massive & blocky

Y-133

(28) Bedded (54) T GTB.

S_1 075/16

S_x 082/11

S_0 096/54

(29) l_0

S_0 110/34

S_x 098/8

Bronosto — S_{IF} 072/19

(30) l_0

S_0 110/34

S_x 098/12

S_1 031/11

rock seamed along S_1 with lurid o carb T-134 which has apparently epidotized the GBBT turning it green (into GBT.) T-135

(31) Agg/Bx S_1 120/21 S

PHOTO 7

Tectonic ripple marks caused by D_2? load of carb vein in S_1

(9) OOPS

128/53 N

is cross-cleavage in Y-137 TUFF?

S_X 288/6

S_2 107/48

these Meta V – are prosobly relatively massive unsorted T.

(8) is lapilli over banded

no S_2

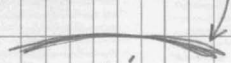
(weak in banded)

Aug 12.

Beautiful Day.

① Massive G

② $F_2 l^2 d$ G 119/15 S VARIABLE $F_{4/2}$?



③ Penciled tuff - last F_1 meter folds, bandings of tuff. EVENING PHOTO

F_1 210/11[redacted] E W D.P

grey carb / green tuff

④ D_0 S_0 114/19 N VAR.

⑤ Pk green meta T/V

S_1 173/7 W

005/15 W

⑥ S_1 104/2 N

in orange dendritic contact facies.

⑦ Fibbik contact rock carbotuff

S_1 042/31E

⑧

$F_{2/4}$	115/22
$S_{2/4}$	105/71S
S_1	024/36E
S_0	steeper ?

Appear to be as but tricky

⑨ S_0 178/4E V.VAR.

CONTORTED + POOR

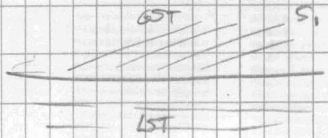
051/vert 053/16 — terminal fracture in tuff.

(10) Gentle open fold (56) F_3

154/3

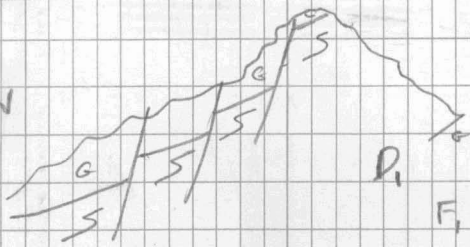
a plane closer east.

Top of hill



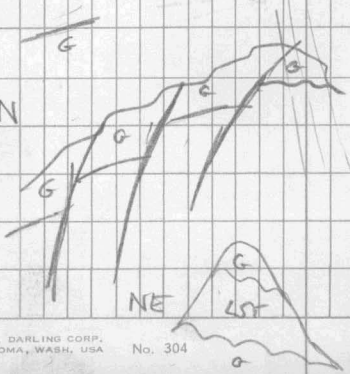
LOOKING W.

SO HILL IS



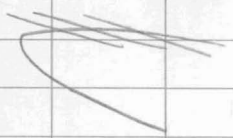
F_1 030-090?

$D_{2/4}$



(10) CONT'D

OVERTURNED.



F_3 EFFECT STRONG

S_1 117/44N

S_2

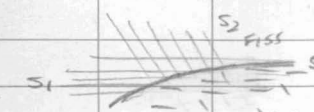
(11)

S_1 HORIZ

S_2 135/44 NE

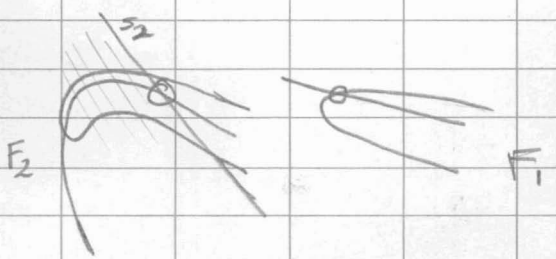
S_X 123/4

MARBLE



LOOKING NW UP F_2

PHOTO 9



LOOKING NW LOOKING NW

12

$S_1 \times S_2$ 306/5

F_3 crens 345/2

? F_4 crens 315/4 ~~X~~ ~~to~~ $S_1 \times S_2$

S_1 157/11 W

S_2 125/53N ← good.

Y- 138

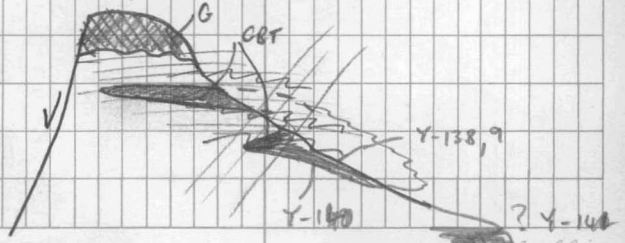
LIMY TUFF

13 BIG F_3's ? ?

139/HORIZ

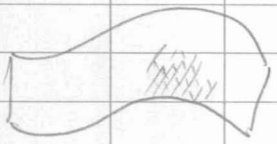
151/26E ~~X~~ 135/8

271/5 $S_0 \times S_1$ ∴ GBT



Y-139 QUARTZOSE GBT WITH

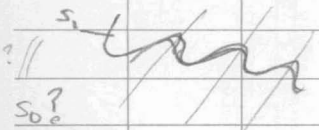
FOLD FAULTS



(14) GBT

F_2 130 / HORIZ.

S_2 128 / 52 N

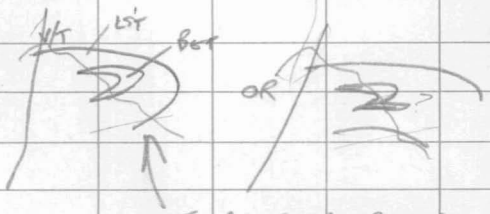


ALMOST M

(15) Y-141 HEAVY BASIC LOOKING GST.

AGG - S_1 129 / 29 N

STRAT OVER OR UNDER LST ?



IF BETS ARE PLACED.

S_0 steeper N than S_1

MASSIVE V OVERLIES AGG. FISSILE

(16) P. F_5 052/48 J

P.P.

// to hinge of fissure on S_2

but S_5 // to fissure

S_5 pitches 82 W IN PROF.

fissure 58 E " "

rodding $S_1 \times S_2$? 330/9

S_2 118/30 N

(17) Rodding — 099/17 F_1? 2?

S_2 134/23

pipe cross 133/8

S_1 steeper than S_2

$S_1 \times S_2$ 122/6

a discrete non-perv linear (computational) on S_2 // to dic rodding, F_2

(18) P. S_2 127/25N

F_4 cross 114/1

F_3 warp 030/32

same thing P.P

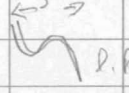
(19) F_2 137/HORIZ.
SPEC Y-142
S_2 146/37
—
P has chertz? interbands
Y-144
well banded ≡ BT?

(20) D_0 S_2 129/44
incipient flat S_4 S → N
Y-145.

(21) D_0 S_2 125/47
pre F_3 crens 324/10

(22) D_0 S_2 118/53

(22A (W) 130/44
(22B W'ers 044/27
(23) S_2 138/56
F_3 329/25
fault between (22B) + (23)
BLOCKY P. of SMP.



qtz vein up a fl.
vert

(59)

undoulted F_3 fault along S_3

F_5 crens 053/55.

F_2 sxtnl 318/9

(24) D_0 136/38

(25) D_0 F_2 309/16

S_2 119/35N

(26) D_0 S_2 122/25 N

(27) " 122/53N

F_4 crens 318/20

(28) F_5 ~ 035/52

STRONGLY F_3'ed

(29) D_0 S_2 115/51

NW — 50'
BW — 90'

LOWERING IRON SLIPPED WITH STARTING ROD.

Aug 13.

Starts nice, going to cloud over + shower.

① Massive dk gn gt up to bottom of cliff. Some o/cast coated, dreary epidote-rich rubbish there predicted.

② fgnte meta T. pale g.

S_1 HORIZ (VAR)

F_2 crens 141 HORIZ (VAR)

S_2 vert (VAR)

F_3 348/16 in folded zaction

Wide spaced S_1 suggestive of S_2 but NS crens

F_3 fgoing 039/7

MASSIVE G PEGG HAS MEGAPILLOW APPEARANCE - PROB V. LARGE BOUDIN INTERNALLY.

③ Leuny T S_0 133/35N. // S_1

(4) Phyllite

S_1 135/32. N.

F_3 crens + S_1 P.P. 336/19

(3) P.

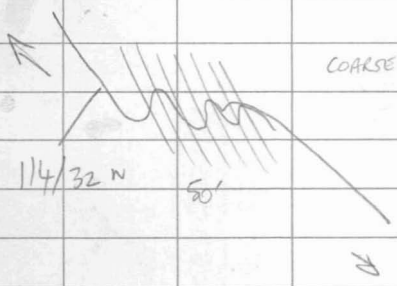
S_1 127/40 SOUTH

S_2 116/40 NORTH

S_x 314/4

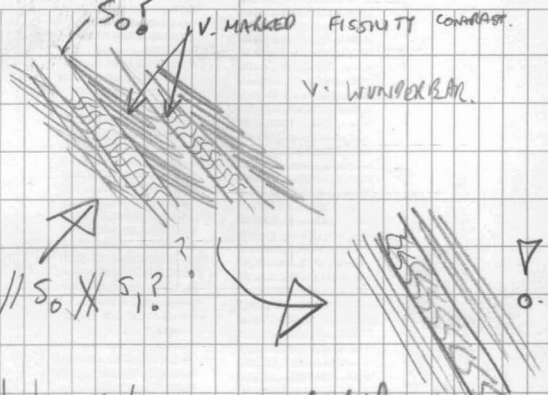
some dark bands suggestive of GP some vitreous dark bands suggestive of gutz slates

(6)



S_x 120/12

banded phyll with cleavage refraction effects ?



(7) P_0

S_2 120/12

S_2 142/37.

strong F_1 deformation folded by F_2 — Y - 144

(8) P S_2 129/61

F_2 sx 129 | having VAR.

(9) Massive meg-clinozoisite meta V/T

S_1 126 / 32 N.

(10) Wee o/c unit 7 - neutral marker?

S_1 124 /14 N)

(11) Massive overlain by fol'd pink g'd dk blue gn meta T?

Y = 145

S_1 042/13 S VAR

a lot of BGBTS float about

(12) fol'd dk green meta T, as top II but coarser

S_1 119/5 N

S_2? 105/49 N

└ coarse jtx ?

S_x 108/7

(13) P.

S_1 137/44 N

S_2 134/30 N

F_2 128/0

(14) GBBT

S_1 150/8 E

F_2 faint cross 120/2

$S_1 \times S_0$ 078/9

PHOTO 16.

S_0 // S_1 bedding boudinaged.

(15) AGG 036/15 (63) S

(16) GBBT

S_0 127/23 N
S_1 156/9E
S_x 099/12

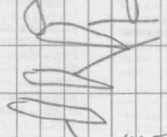
GBT
GB BT

UNIT 7	BAG
PHYLLITE	MBS

Aug 14

Overcast, still & warm

(1) 3 ridges of qtz o/c



(2) Base of ridge o/c

110/51N

F_2 KINK S_2

R.P.

049/46

(3) G Y-146

Face marked 060/71N

Sx of foliation with jts

~~357~~/56

028/58 ← AVERAGE DIP.

310/9

GOOD STRIKE STEEP DIP.

~ 125/60N

124/60 TUT ~~TUT~~ TUT ROOF

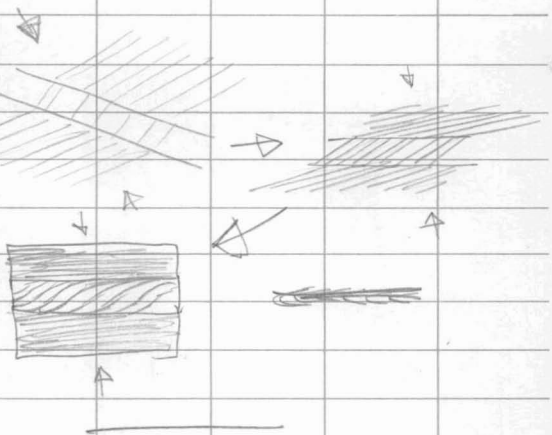
④ MBS 126/51N

NORTH.

⑤ " 127/38.

F_3 axial 326/9.

Development of lithon structure



SPEC 'C' CONTACT SPEC. MBS.

H. FELSIC?

Y-147

⑥ G

S_2 110/44N

F_3 Li 332/36

1

(7) G S_2 108/51N

(8) G S_2 092/60N

(9) " S_2 107/52N
F_3 359/54

(10)

(10) " S_2 085/58N

(11) " S_2 075/37/N

Gullys may be HBP dykes.

(12) G S_2 131/41
strong

(13) " 109/34N

JULY	28	LOWER MAIN RIDGE	1-4
	29	LOWER GUTS	5-8
	30	WEST TIP	9-13
	31	UPPER MAIN RIDGE	14-21
	1	UPPER GUTS	22-27
	2	WEST TIP	28-30
	3	S. SIDE, L. MAIN RIDGE (4 WEATHER)	31-34
	5	GUTS → W. TIP	35-38
	6	MID GUTS	39-40
	7	(W) S. SIDE UPPER M.R.	41-42
	8	MID M.R.	43
	9	GUTS → E. SIDE, MID-~~UPPER~~ M.R	44-47
	10	M.M.R. → E. SIDE, UPPER M.R	48-49
	11	MOVE. NE TIP SIDE	
	12	TIP of ITALY RIDGE	50-54
	13	E. TIP SIDE	55-59
	14	BATHOLITH	60-63
	15	PILLOW TOP	64-65
	16	→ NORTH	66-68 69

28th July ①

① Dark grey, quartzose, rusty bi-ms schist — often phyllitic shows but crystals can be seen. Appreciably not v. graphitic. Qtz + limo pods.

S_2 104/55 N

(apparently axial planar to tight folds pods in S_1 (see below)

F_3 wavelength 076/23

F_4 axes 301/39

② V impure marble ⇒ banded impure marb + calc-sil.

S_2 115/48 N

Reclines folds in very qtz S_1 arches interfolial

③ Float of massive fine-med-gd bi ms qtz-fp schist-gneiss.

④ 2 POSTS NO TAGS OR WRITINGS

Float of pel-litem bearing grey gneiss. Y-70

⑤ Mesocratic banded act gneiss

Y-71

Folds, F_2?, in bands

i.e S_1 BANDING

$\parallel S_2$

$S_{2/3}$ 170/39E

= F_3 effect.

⑥ Banded gneiss

more schistose than ⑤

S_2 142°/60 N

internal lineation.

plunge 056/66 variable trend

⑦ V. coarse rusty mg-li schist (classic) - all sorts of dirty great garnets.

Y-75

⑧ as ⑥ rusty leucocratic fissile gneiss. mafic bands

131/56N

schistose portions have the dark, rusty glitzy look of ①

(9) Banded mesos to lower greens

122 / 72N.

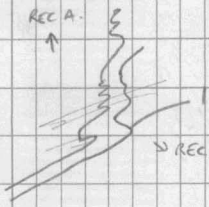
F_4 121 / 13

greens and marls

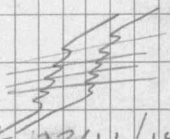
S_4 043 / 3E

(10) F_4? folds

DOWN PLUNGE
LOOKING E



F_4 / F_2 interference

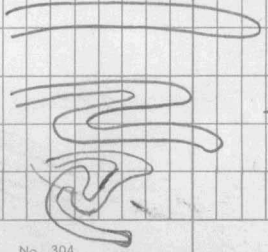


at 136W / 15N

& 223W / 25N

are S_4 / F_4

LOOKING W.



(11) MS-BI- SCHIST.

S_{FRACT} 101/43 N

S_{PERV} 146/18 E

(12) S_{PERV} 161/44E

MBS

F_3 influence as well?

S_{FRACT} 122/49.

(13) MBS

S_P 106/30N

(14) MBS

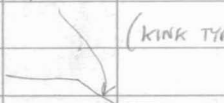
S_P 123/58N

(15) MBS

S_2 135/49N

S_2 172/50N } 048/47 F_5?

(KINK TYPE FOLD.)



(16) MBS

S_1 140/43N

(17) MBS

148/45N

(18) float of grey quartzose gneiss (looked like phyllite only is gneissose.)

(19) grey qtzose gneiss

S_1 152/44 NE

(20) POST NO WORDS

(21) CMG CALCSIL MARB OUTCROP

S_2 ~~[illegible]~~ – INTRAFOLIAL F_2 IN S_1

131/45

CONTACT WITH Banded grey gneiss BGG

50' OF BGG, THEN CMG

(22) Banded gneiss. intrafolial F_2

S_2 130/40N

(23) Grey qtzose gneiss

S_2 130/37N

F_3 Cren 178/30

(24) MBS

115 / 46N

OLD POST.

No 1	Y 3915	? X 76	R
	Y 3914	X 75	W, L
No 2	Y 3913		
	Y 3912	C. HARRY	'66

(25) BGG

S	140 / 58 W	
F_4 cross	131 / 17	
F_3 "	004 / 46	V. IRREG.
	160 23	

faint F_5 cross 075 / 56

(26) (4)

S. 105/59
F4 crews 105/4

(27) MBS
S 135/21N

(28) BGG
S 122/46N

Y-73-74
BGG + BAG.
Riboregio halle 6

29TH July

Same piss-artful pissing piss.

① slumped o/c of unit 7 to 8. incipient second fault

② RQP.

S_{RQP}	152/15 E
? F_g knik	087/14
Lin	019/14

③ rusty qtzose phyllite, no graphs grey RQP

S_2 124/24N

④ MBS ?

109/21N.

no fault contact.

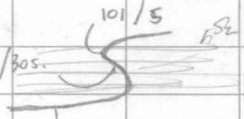
⑨ MBS.

corpo F_4	105/25
S_2	133/35N

(5) RQP. coarse
F_4 kink 115/22
S_2 009/18E

(10) Unit 8-9.

Big fold



S_2 developed but not clearing. LOOKING E.
S_1 030/17E

(8) RQP.
F_5 kink 078/20
kink plane. 072/53S
(varies strict this + vertical
strong lineation 130/7
S_2 143/21E
kinking strong + asymmetric

N  D.P. S

(7) RQP F_3 ripples + crens
330/5
S_2 146/19E

(6)

(11) UNIT 8-9 overlaying unit

7 will < fold in 8-9

(12) slumped o/c of pale grey slaty phyllite

(13) Ditto & RQP

S_2 170 / 28E

lin 042 / 21

(14) Do

029 / 16E

(15) Do

058 / 21 SE

(16) Do

S_2 013 / 28 S

KINK F_4? 085 / 11

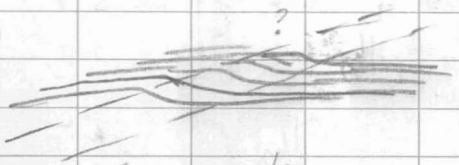
No way of distinguishing F_4/F_5

? F_4 lin 135 / 21

Some very nice S_2 crenulation cleavage in these rocks.

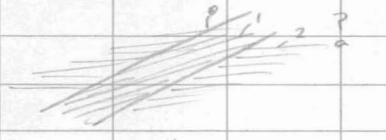
094/44 N looks like a thrust plane.

(17)



crens F_4 116/8

Above may be $S_0 \times S_2$



S_2 041/25 S

(18) P_0

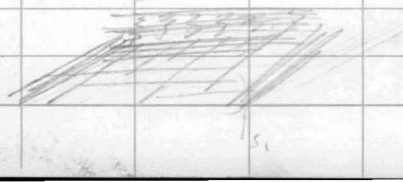
S_2 048/18 S

(19) D_0

crenulations on S_1

F_2 183/10

S_1 018/28 E



① ∇

S_1 almost pervasive in places

S_2 044/16

(20) float + slump of unit 8 → 9

(21) " grey phyllite.

(22) chloritic phyllite unit 7

(23) phyllite.

kinks $F_{4?5}$? 100/6.

responsible for south dip of o/c.

S_2 086/43 S.

F_4 smear? 117/28

? F_3 crens 220/34 ← ZAPPED by 4+5?

(24) Phyllite

046/20 S

F_3 wrinkle 160/18

F_5 crens + tension 077/17

F_4 fold } 123/20

F_2 min lin?

(25) o/c unit 8.

(26) (27) float phyllite

(28) gneiss ∇ Y – Y/6

? S, 141/30 S F_3

(29) Unit 8 - 9

? S_1 144 / 61 S

(30) Phyllite

S 007 / 17E

F_3 crens 170 / 5.

(31) Do

S_2 000 / 26E

S_1 067 / 10

S_x 151 / 12.

S_2 is poorly developed in this o/c.

S_1 is strong.

wrinkle F_3 in S_1 195 / 13

S_3 ~ vert.

(32) Do

S_2 015 / 27 E

mineral plane 090 / 62N

slickenlines 355 / 42 (62)

(33) Phyllite (8)

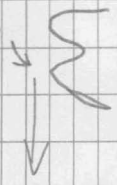
S_2 034/46E

(34) Ro : S_2 030/37E

(35) unit 8

S_2 101/34S

F_2 18/7

(34)  M FOLDS?

(36) Intensely q-v'd phyllite.

at bottom

Stile phyll at top

S_2 033/31

X Fault at stream. ?

(35) could plunge under (36)

July 30

Beautiful day

(1) Banded actinolitic gneiss
? S_2 128/68 N = 5 PERP
good planar parallel
Pyrite

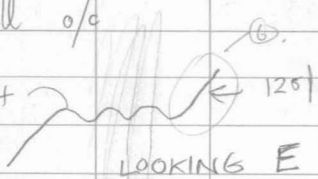
(2) grey Phyllite with rusty sericitic (MBS tinge. same steep dip.

(3) Do (2)
105/61 N.
same MBS tinge

(4) Do
121/51 N
F_4 warp 116/6
F_3? Lineation 349/47

(5) Crumpled graphitic & hematite red stained phyllite
sp 125/44 SOUTH END.

overall o/c



⑥ Po.

⑦ Banded act gneiss
135/58N

⑧ Banded grey gneiss (tuff of MBS. + rusty)
111/62N
Y-77 – cordierite? gneiss

⑨ Impure marb / CMG
125/54

⑩ Po.

⑪ Contact o/c between CMG + so possibly steeper than S₂
through trick

LOOKING S

(12) "Cord" gneiss ?

S_3 122/42 N

lenses of CMG.

(11) Folds in CMG

124/20

F_4

this fold fades out at contact — grey gneiss is not affected.

S_4 not good - 136/7 N

(13) CMG

109/45N

(14) Do 108/54 N

V. BEAUT EXAC SURF SHOWING BOUDINS + F_2 FOLDS

LOWER BOUND = CONTACT WITH MBG/BGG

(15) MBG + "CORD" GNEISS

128/36

Y-78 MS-BI-GNEISS.

dk grey, crystalline, rusty, fine bi + ms + assoc c MBG. Adamantine (sparkly) fracture.

gtgose?

- as (1) 28TH/7/72.

Contact Facies with CMG = CMC or GNEISS?

aimlin to ruthish on recumbent F_4 hill

(16) Po (with lamy).

143/52N.

some ↓ leucocratic gneiss.

(17) BAG.

green-white banded / no oxide.

fairly massive + hard.

as at (5) 28/7/72

+ certainly continuous.

Hence schist has lensed out.

s 131/66N.

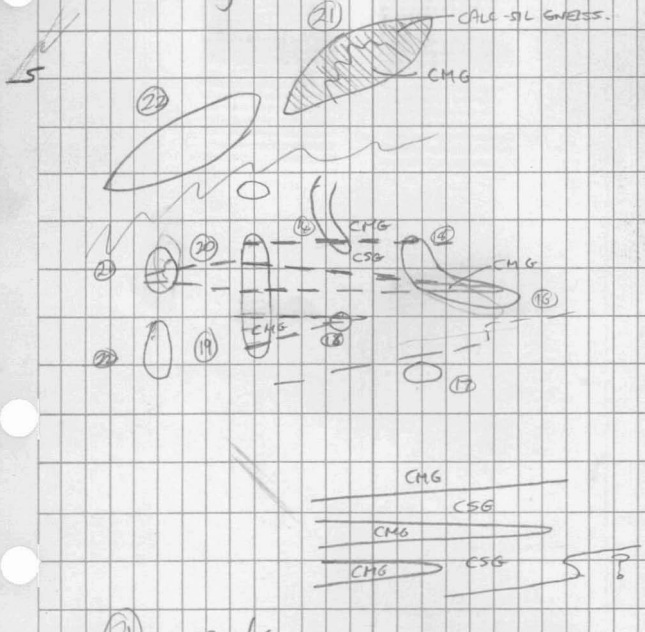
(18) Do (15)

(19) S_2 121 /63N

Do (15) at base, then 20' of

v. F_2 rich CMG, then do (15)

(20) Looking W to 21



(21) 132/52

(23) 138/51

some very rusty ROX

(22) Fault cuts off CMG

↳ LOOKING E ?

(24) CSG/MSG/CMG.
129/55 N

(25) CMG/IM (impact nadir).
130/50 N

(26)-(27) float & dumped o/c of very graphitic
glycose phyllite.
as (5) 30/7/72.

STRAT HERE ≡ TO RUTT ALTERED

ROXS 200 W/5-20 N ?

~~ACTINOLITE~~ ≡ BAG

I ⇒ CMG

IMP ~~MARB~~ ⇒ IM

(12)

(28) 107/27N

Phyllite. F_4'd.

F_4 crens + minor warps

103/7

(NOT KINKS)

(29) V. graphitic phyll float

(30) 172/NE

Phyllite, higher grade, more gr-v'd than (28). rusty.

(31) graph phyllonite float.

(32) Normal pale grey lustrous phyll.

153/24 NE

faint lin 034/17

(33) Quartzose side parting phyll

019/21E

F_4 090/14

(34) Y-79 - skarny phyllite at chlorite gash/phyll contact

144/30 NE

(35) chlorophyll

F_3 172 /42

D.P.

(36) D.

S_2 025 /27 E

(37) D.

S_2 002 /27 E

folded by 053/21 gentle wash

(38) More chloritic (unit - 8.)

026/27E

(39) Unit 8 (phyllitic)

034 /14

Pyke of 8-9?

v. fine crens 135 /12

(14) D.

good c.c. S_2 179 /13E.

v. fine crens 157/11

41 l_o

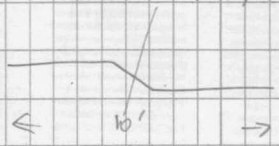
KINK 138/0

42 l_o

S_2 147/48E

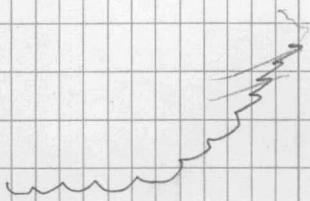
LITHON S_2's here.

43 Kink 125/15



beautiful qtz veins + S_2 cleavage fan

S_2 014/19E



31st July

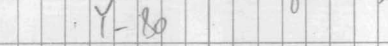
B Bodifull Rly.

(1) Calc at gneiss of yesterday (cord? gneiss.)

Y-80

(2) Standard P.

? F_6 worth kink, 063/35



S_3 ~ vert.

S_2 143/46N

(3) 92E/36N

float + slumped o/c of coarse kinked phyllite

(4) float of BGG.

(5) CMG

(6) (7) BGG

(8) MBS

(9) BGG 098/52N

(10) MBS 129/60

(9) - (10) BGG.

(11) MBS

102/58N.

(12) BGG

113/42N

(13) D_0 107/32.

some → MBS.

some basic

(14) Beaut (F_2 (float)) in basic bands with later S_2 axial planar.

(15) BGG

114/55N. o/c in dip slope

crens + warps 060/48

(16) D_0

crens 061/52 variable

wide spaced (e.g. kink like)

S_2 127/58N

(17) D_0 116/59

(18) D_0 118/62

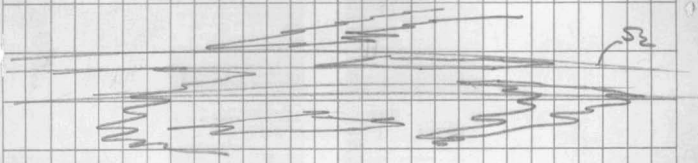
Y-81 FLOAT

STAUR-GNT-MSBS

(15)

BGG — weathers banded orange + grey often. — banding looks like a weird intrusion

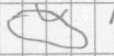
ETC.



(19) D_0 18/40N v. FISSILE almost a phyllite.

(20) Bi basic schist. Y-82 BBS.

(21) Contact with CMG — small slab of latter by ⌂ on BGG not continuous along strike to L or R — small infld.



v tight intrafolial F_2

116/57

$S_1 \times S_2$ 162/41

(22) BBG

114/60

~~Fy~~

Qty rodding, lin, $S_0 \times S_2$ 310/21

$\gamma = 83$

GNT + STAUR

(23) BBG

103/52

Much qty rattles F_2

GP

(24) BBG(p)

Fy cren 128/8

+ gentle fold

129/52

GP

(25) P_0

128/61

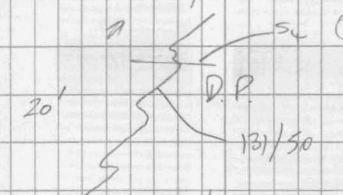
(26) BGG 115/67

(26) - (22) on strike / no fault

(23) - (26) are lighter shows F_2 folds have GP interbands.

(27) 107/70 getting steeper, tending to MBG?

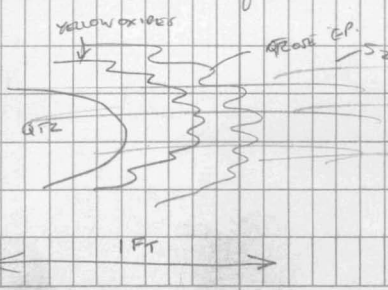
(28) BBG F_1 120/25



F_2 smears / transitions (good grey/cream bands)

(29) GP. o/c ! Y-84

oxide rich concentration of yellow (zincian) oxides in F_2 folds core



(30) BBG 123/25N

NOTE

INT BOUD.

opposite bank much steeper

GP band 5-15' thick

(5' at top of (30) BUMP)

(31) (SG) MBS 127/27

TECT UNDER BGG

—

BULL QTZ IN BASE OF GULLY

(32)

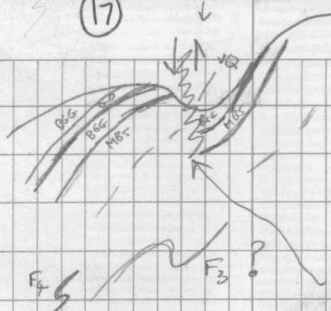
o/c

BLOCKS OF BOUT BGG

LIMY BANDS + V. ATTEN F_2 STRUCTS

MBS S_2 130/62 N

(17)



F_4 F_3 ?

BOTH IN F_2
FIGURES FOR F_3.

(IN FACT IS ON STRIKE
WITH THE F_3 GST FAULT.)

BALLS IT IS

JUST A SIMPLE NORMAL
FAULT DRAG?

(34) BGG possibly Eect underlain by
MBS

(35) MBS 125/48N
IS UNDER (34) — UNDER (32)

UGLY GREAT POIKILOMORPHS AFTER STAUROLITE
Y-85. D_1 STAUROLITES REGRIS'D
+ LINEATED DURING D_2

(33) . 3 LINEAMENTS CROSS
(MUST BE ORE HERE)

1 = 080 QV SET
2 = MBS/BGG CONTACT ~ 130
3 = 170 - QV? ORTHOG TO 1 ?

(36) BGG. 123/74N

(37) MBS/BGG 124/62
CONTACT.
5' of MBS.
next one is 15'

(4 NICE POSTS NO TAGS OR WRITING

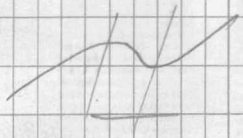
WALKING CROSS STRIKE FROM POSTS

IN 15' OF MBS.
30' BGG
50' MBS.
50' BGG.
5' MBS

AT 70' of BGG

Fg? FOLD o/c ?

138/8



(a - plane is steep N

110' BGG.

50' MBS TAKES US TO (38)

where it steps at Q-V 080

CMG FOR 10'

STARTING AGAINAT (39)

5, 109/69

= CMG / BGG CONTACT

40' BGG

100' MBS

100' E ALONG STRIKE

160' MBS

TO (40) S 125/60

we have 40' BBS Y-86

Bi-lapic schist

of earlier today

& QV -

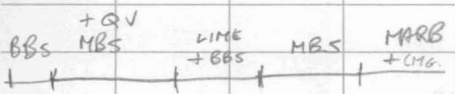
as on photo.

(41) Y-87

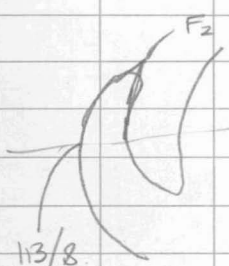
CMG HIGH GRADE

BEAUT WHITE MARB.

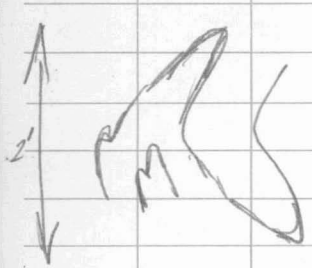
40 → 41



ECSTATIC INTERFERENCE



COAXIAL



(19)

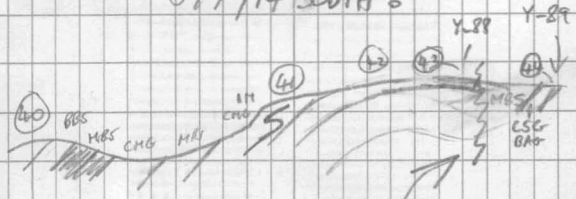
(42) BAG. PP SLOPE.

114/33

(43) BAG – CALC SIL G. – SKARN Y-88

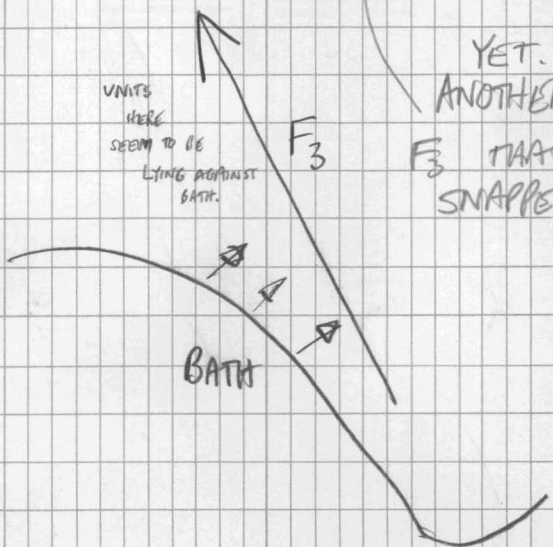
Y-89.

077/14 SOUTH !



(44) 123/70N

YET. ANOTHER F_3 THAT SNAPPED.



(45) MBS 114/36N

(46) QV - v fine ground
bleached: MBS + QV

(47) S_4 009/6W
MBS.

S_2 121/23N

S_x 308/7

(48) MBS. 116/43 N

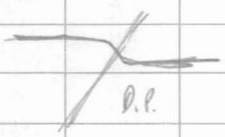
(49) " 098/35 N.

POST #2 TAF # 12

SEPT 25/71

G. BOB

(50) KINK 003/30



S_2 101/40N

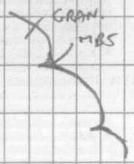
(20)

(51) S 069 47 IN GRAN DYKE Y-90

S 123/20 in MBS TO N

trend of dyke 090

rubbing on contact 277/15



CONT. 104/52N.

S 107/40N.

(52) Po S MBS 093/33N.

contact rubble 277/11

" 103/75N

S GRAN 068/32

4 POSTS, 1 LEGIBLE

POST No I TAPE NO 8

1500 R.

SEPT 25/71 G. BOB

(53) 114/20.

ZAPPED QTZ Y-91

(54) MBS 106/6

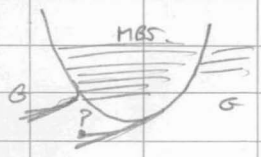
gently warped 320/3

(55) Folded dyke.

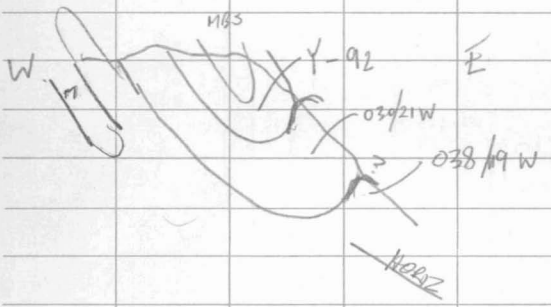
infld of MBS in V altered

g. Y-92

LOOKING NORTH



YEAH



(21)

RIDGE CREST.

1st Aug

Mit der shits wieder
oder wieder der shits mit.
aber vielleicht ein bischen Sonne
manchmal.
Ich hoffe!

Nommer Eins

Grünstein, massif(ch?) Nommer neun.
(Das ist gut.)

(2) High $\rightarrow$ graphitic + hematitic phyllo-sch

(3) P_0 S_2 125/66 N

(4) P_0

(5) P_0 contorted v irregular fold trends

(6) Hematitic P_0.

$\leftarrow$ Hematitic phyllite of 30/7/72

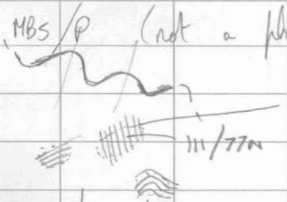
$F_{3?}$ 145/25

P_0 crude S_3 (wing) . 072 /355

strikes $\rightarrow$ main ridge axis

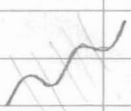
(7) D_0.

(8) MBS/P (not a phyllite yet not coarse (??))

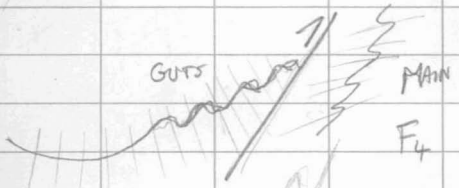


fresh grey, qtz-rich, rusty orange tint
some phyllitic parts

P.P.



i.e F_3 style



faint crenn 320/30 ? F_3.

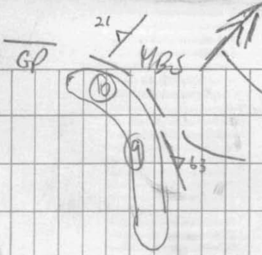
Would make 5,6 F_4.

(9) D_0 175/63NE

Just to N – rotated GP.

D_0F_3? 155/32

↑ IS DOING THE DAMAGE.



? (23) ~~HAS~~ TO BE.

S_x 046/6.

F_5 ?

OH GOD.

(10) S_0 056/61N S_5 ? irreg.

prob mvmt plane.

S_2 031/21 N

v. variable dip (folded ?

heavily q-v'd – orange/cream

can't see any mineral.

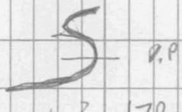
(11) S_0 161/62E – av S_2

(contorted).

(12) S_0 138/68NE

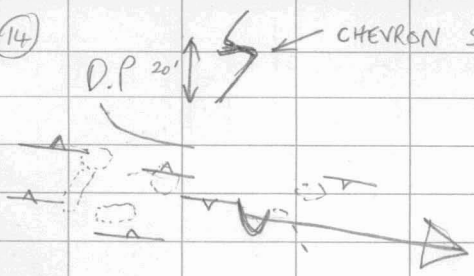
v. strong rodding 105/56

l_s 012/51E

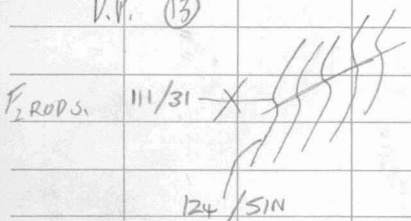


faint composite? 178/21

(13) (14)



D.P. (13)



smear lin (comp) 341/42

? F_4 fine crens 088/29 (distinct from 111/31

F_4

111/31 is wing + is a rodding

F_2 ?

Lilon S_2 developed.

Dom F_2 plung s

Quelle d/c.

(24)

S4 008/31E

F3 KINK 320/38 D.P.

S3 014/38 W.

QUELLE O/C.

(15) + TOP (14)

S2 127/55

All THESE O/C are fine MBS of (8).

Post F4 fault track (13) + (14)

(14) DOWN. UNDENIABLE.

(16) contorted flat & dip GP

(12) (14) DISP.

(17) GP.

(20) GP F5 025/42

S2 072/56N

(21) Sch-Phyll 137/84N some step south.

interference. F4/F6 ?

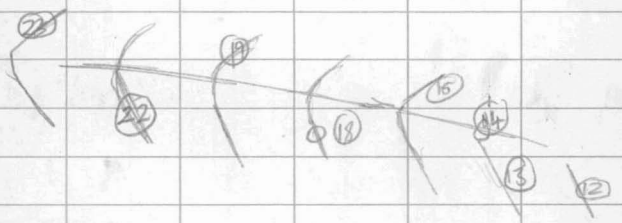
(15) (17)

(18) Phyllonite 105/64N
contact (5)

(19) Do
097/47 SOUTH
F_4 crenule 092/7 // F_2 rodding

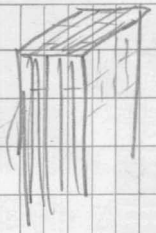
(22) BGG NEAR UNDER (19)
125/56 N.
Blocky gtzose

Beaut F_3 346/41 S



(23) GNT - STAUR PHYLLITE Y-93.
142/24 SOUTH
F_3 175/15 big crens

(24) (tetrag) Do These "staurolites" look more orthorhombic than here + are steely grey with are good cleavage



[redacted]

CHLORITOID ?
(may be pseudomorphed ?)
Some are aligned //
to F_2 rotation

Specimens

S 116/64N
F_2 rots 302/11

(25) Fine li.-schist Y-94

(26) Boc Y-95
143/59N.

(27) as (24) + on strike
124/63N
May be graphitic? between
(24) - (27) + (26).

(28) Lo S_4 169/30E
F_4 105/28

(29) Lo S_2 056/25 SOUTH

(30) QUELLE ROCHE Y-96

S_2 123/57 N

317/20 F_2 M.L.

in fine grains.

102/31 F_1 M.L

IN MED + V. COARSE FLATTENED PEBBLES

other & coarse are random.

(31) Staurolite in float as long as this notebook.

053/43 SOUTH.

(32) Pinky great ~ 122/27 ft.

WAVY

COARSE STAUROLITE - MS - SCHIST.

(33) D_0 (26)

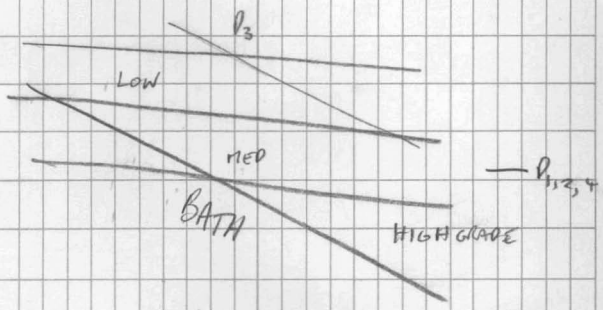
311/18 is qtz rodding
+ orientation of 3" STAUROLITES
(2" ends tend to be random)

106/29 is pole M.L. + 2½" STAURS

S_2 116/59.

FRIGHTENING ROCK.

- has affinities to BGG.
- good planar S
- grey silver.
- staurolite - muscovite
  (garnet - biotite ?)



(34) D_0 124/65

strong rodding 100/42 N

weak lineation 101/5 N

(38) 129/30

V. different (34) – good planar S_2

steep (35) wtrg S_2 much rolling

workings etc in qtz less steep. FAULT?

mvmt plane? 101/60 N ?

N S

S_x 073/18 ? F_5 ?

(35) may overlap (34)

(36) Do

140/vert

(33)/(37) (36)

(37) 148/17 SSW

(38) 136/76 NE

111/57 plunge of

dirty great qtz bodies.