

# Report for Lappie Bridge

DPW

020557

## Requirements :-

- ① How sound is rock?
- ② Recommendations for location of footings, foundation?
- ③ Are D.H.'s necessary?
- ④ Loc and Depth of them?
- ⑤ Loc. of weak rock structures
- ⑥ Pertinent Comments
- ⑦ Depth of overburden edge of bench opp Sta 281.

Note: ~~Site~~ approach may be revised but loc. of Bridge is firm

Rock is a light yellow to white sandy limestone - well fractured

250/v    150/22 E    250/70 W    170/v shearing  
well developed    270/v & 270/10 E    plane-  
line    90/v.

On 170/v shear plane, lin's @ 170/15  
movement unknown

Bedding 280/10 N ? as s.p.

# BETA - ACE

On hill (3000') to the west of  
the Beta Camp coarse foliated  
crystalline limestone (41)  
appears to overlie protite schist  
(42). The limestone is impure,  
siliceous and contains ~~of~~ other  
dark impurities. Folding (isoclinal)  
~~is~~ plunges 30° / ~~W~~ with  $F_2$   
30° / 10-5 N.

Met. Unit III - didn't name, I did

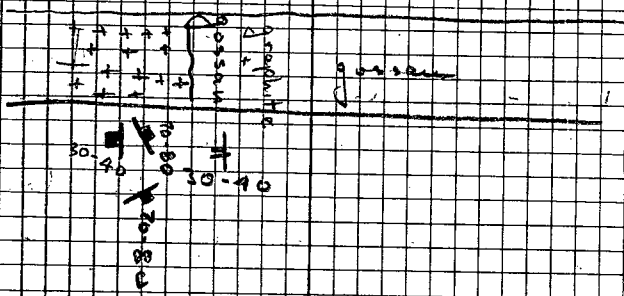
June 14 - FARO.

Trenching: ~~TI~~ TI  
biotite flecks.

A light apple-green, yellowish  
shaly porphyry overlies a  
graphitic breccia (quartz filling).  
The porphyry is shattered along its  
boundary and the fractures are  
limonite filled, altered. Apparently  
the metamorphism occurred later  
to the ~~porphyry~~ <sup>shaly</sup> and parallel(?)  
to it. The shalyite appears  
tuffaceous in part (very leucocratic  
and granular). This unit is  
probably in the order of 30 ft  
thick dipping 35-40 W.

The ~~lower~~ <sup>Soot</sup> wall alt in gossan  
includes:

- ① quartz, limonite, hematite, specs of  
azurite, malachite
- ② hornfelsed greenstone dg. pebbles, minor  
sp. (float probably)
- ③ grey leached sericite, gypsum, clay  
alt m.
- ④ graphite, pyrrhotite, quartz breccia



June 15 further on T1, which is completed.

T1a - sphyolite, note location on one specimen, hematite in other

① there is some gouge on the flow clay probably strike slip faulting

② gouge gouge is sericitic ~~the~~ clay all is mostly mid. qty <sup>T1c</sup> muscovite, graphite,

T1b is in place - more altered, porphyritic sphyolite. there is evidence that alteration of metasomatism took place after the intrusion (see previous page)

T1c - highly altered (limonite, dolomite, sericitic phaneritic fields, sphyolite porphyry)

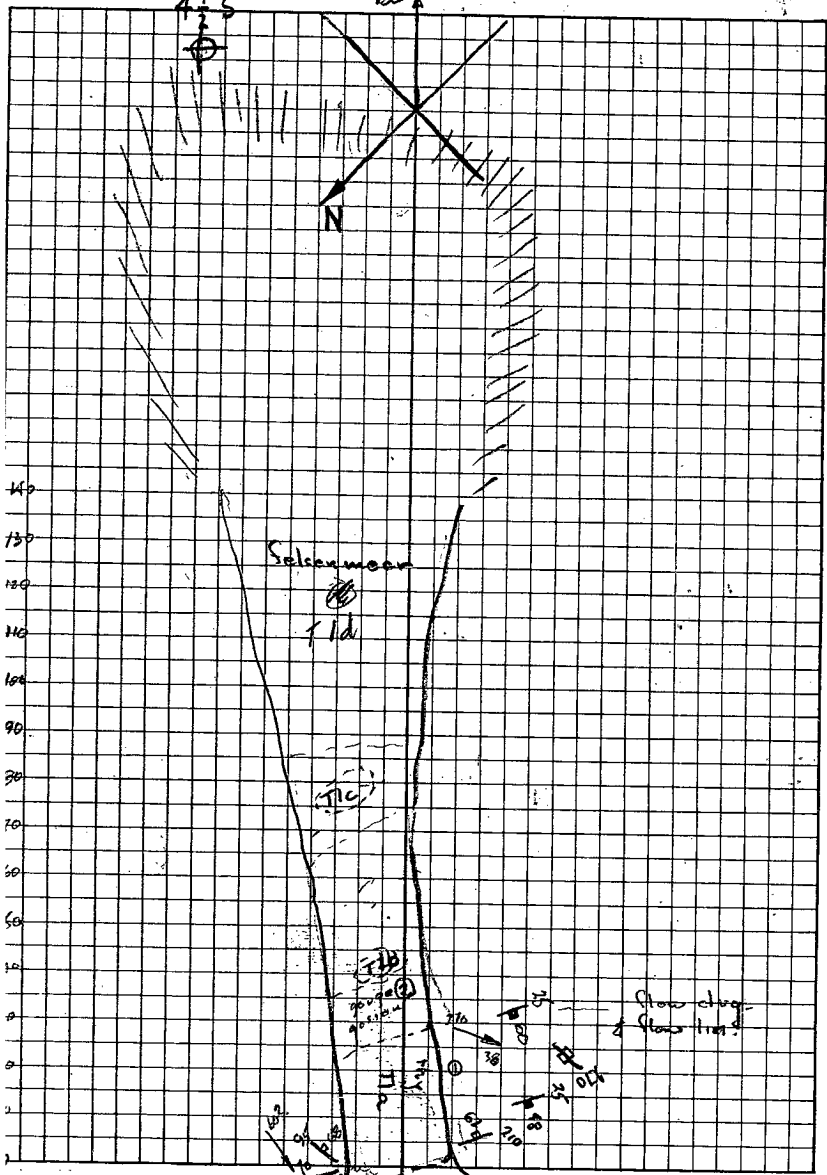
T1d

③ Feldspar is a sharp, variable composition, usually limy etc. some ep., sp., ga. pyrox. - siliceous, varying from biotite to quartz

small grid

12W  
A S

135



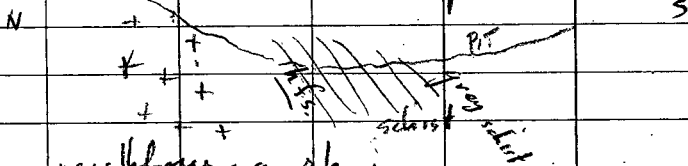
flow along  
flow lines!

June 16 Wed

Trench at 33 W, 22 S.

Before reaching B/R the Ecl' was turning up copious quantities of a peculiar dark S.g. sch. with phenocrysts of actinolite, quartz, hornblende (reconstituted hornfels; or basaltic porphyry). Also: an apparently non-mineralized but rusty breccia.

B/R is a hornfels'd schist 715/53'S  
E2- with lin. down dip.



neighbouring sch. is probably thin ~~to~~ basaltic porphyry.

4800 ft<sup>3</sup> removed.

# IRISH ANOMALY

June 17 Thurs

J3 - dark coarse fol. some schist  
hard, quartzose  $95/22$  S. F.  
lenses of quartz steep strata  
rusty partings

J4 no change particularly, somewhat  
more hornfelsed F2  $105/20$  S  
to  $85/30$  SE, lumen veins

J5 folded area - isoclinal drag.  
(strike axis, Sup over N) in a lumen  
seriate schist, some chlorite  
laminae. Other than this narrow  
(few inches) restricted area the  
E/R doesn't appear basically metased.  
F2  $90/23$  S. Cp & T  $\frac{1}{2}$  in  
fol. (Sp)

limonite  $280/15$  - ~~as above~~ area west  
shears. F2  
 $925/4$  - area F2

J6 FA  $139/13$  N.S.S.

J7 F2 a little shaly  $90/18$  S.  
N.S.S.

J8 N.S.S. start of mag. masses, taking  
right on large trench on Faso

J9 N.S.S. - wavy fol. in thin fol. F2  $110/30$  S

mistake:  
called J9.

J10 - chloritic schist (Sp)

(~~SS~~)  
+ light s.s.

J11 - dark, lfs schist 90/255

J12 (ss) uniformly from J11 to J12 the rock is as J11

# June 18 Friday

J13 - Mag Rdg.

J13-14 - N.S.S. float.

J14 - very soft - med grey - (chloritic) sericite schist. No CO<sub>2</sub>; faintly rusty partings. F<sub>2</sub> ≈ 120/105 (slightly) with wavy fol. & qtz lenses & rods (axis hairy.)

J15 grey s.s., but J14-15 incl. white schist & chloritic schist

J15-J16 white schist & grey schist float.

J16 - dark, lumpy, phylite

F<sub>2</sub> 120/30 S (good)

Drags 310/12 Sup over N

It. (filled) ca. 50/80W.

J17 N.S.S.

F<sub>2</sub> 140/24 W

Lin 130/5W.

It. 75/V.

J18 Chlorite schist, qtz lenses, grey schist  
intercalate. Same II & schist  
(2 spec.) (for M content).

J20 Calcite schist, unaltered

Midway J18-J20 - clauzilina

J21 (Sp) brnt + Solds att porphyroblasts

F<sub>2</sub> 170/18 W

F.A (drag) ca 310/35. Sup over N

J22 qtz. (as prep program)

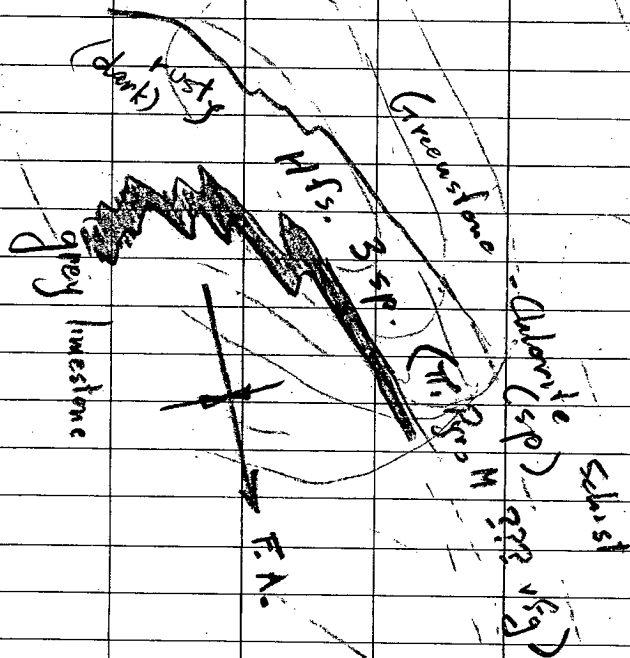
Drags going up:

J23 pass s.s. on intermittent midhill  
runoff

J24 s.s. main stream - lumpy grey  
schist, almost lens

F<sub>2</sub> 100/25 S.

J18 (shown in green - but inaccurate)



J18

June 19, Sat.

J 25 - mixture chlorite schist & N.S.S

J 26 - grey phylitic limestone  
200 ft thick to half way up bluff  
many  $F_2$  generally dipping into  
hill

J 27  $F_2$  155/31 W

Reverse fault 85/47 E, movement  
more than 6" and 2 in shear  
zone has ~~been~~ <sup>solidified</sup> to similar  
as hanging and foot walls (i.e. dark  
chloritic sericite schist with wavy  
foliation)

J 28 N.S.S. 140/30 W

J 29 Flat of magnesian

J 30 thin black type greenstone!  
+ mag high (Sp)

J 31 ~~grst~~ grst

J 34 grst + qtz intrusion

J 32 N.S.S. 120/20 S

J 33 silic or hfs chlorite-seric schist  
(dark)

## Notes

Samples J18 & J30.

- quartz
- 95% chlorite + 1-2% M
- chlorite non oriented

The Hfs @ J18 is a dense, f.g., homog. slt, equicrystalline, high mafic, some gty banding & dark gty, 1-2% M, traces of galena & sphal

June 21, snow & rain

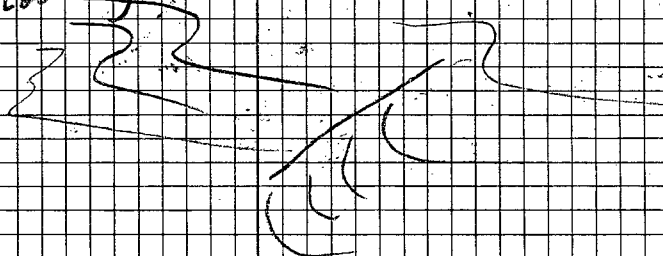
134 - 68 p from B.L. down camp ch  
angular lt. f. l. banded calc. s. - hfs  
w. ga, pt, sp. (mouse traces)

135 lt. banded calc s hfs -  $\gamma$  - 155/25 W  
F<sub>2</sub> @ 109 p on bluff  $\frac{1}{2}$  W side  
of ch. - feet of turlings from camp -

136 p 176  $\frac{1}{2}$  W side ch. calc s. hfs.  
colorless s. d. st, gty, lumpy lenses  
F<sub>2</sub> 160/25 W

F.S. Looking 270

270/20



137 - E side of bluff 296p -  
highly folded gnt w. Ca lenses +  
mouse marks in Ca.

Directly across the ch. is Ca. S. - Hfs  
as followed since B.L.

379 p to edge of end of w ridge  
Ch opens out.

3500' camp

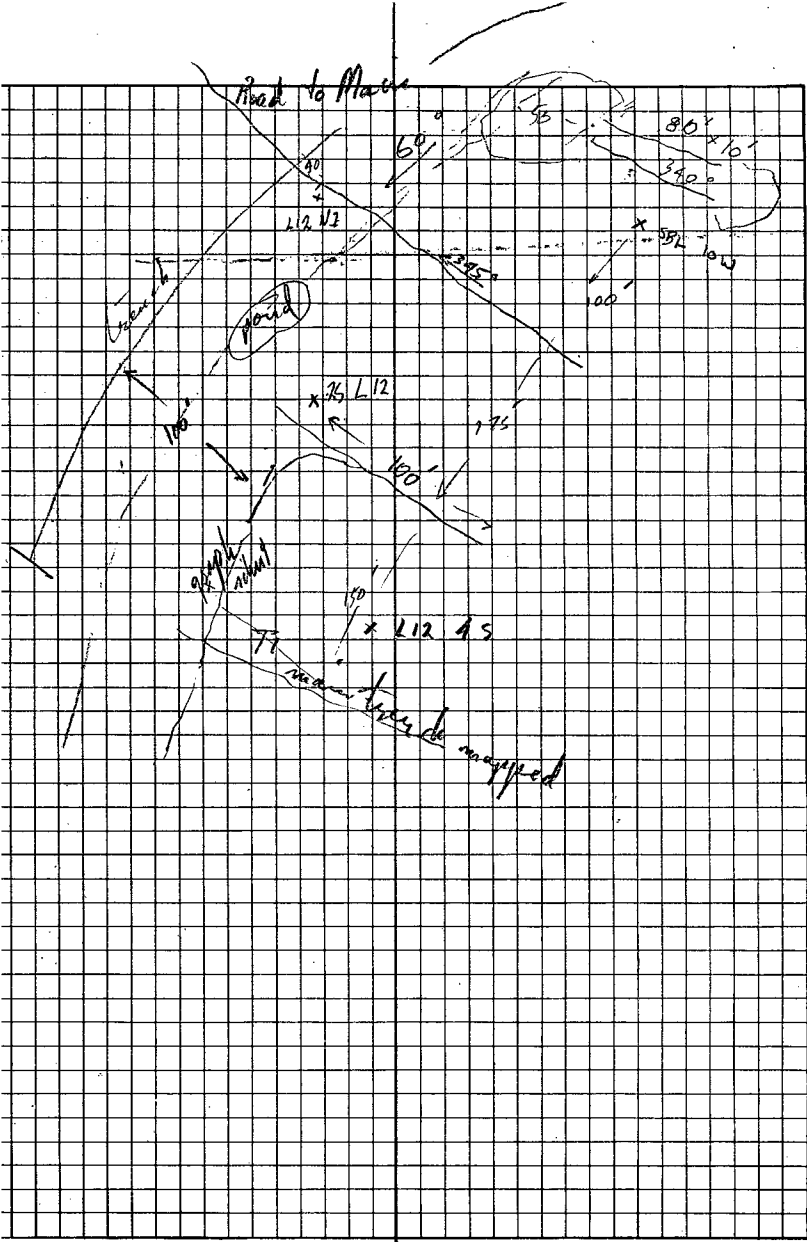
3390 FRH 1

3500

~~3390~~ mainly main road.

3370 main road - crest above trenches

3330 - swamp beside trenches.



Road to Mass

80°

60°

112.12

5

80° x 10'

340°

100

pond

100

112.12

175

100

90°

150

112.45

77

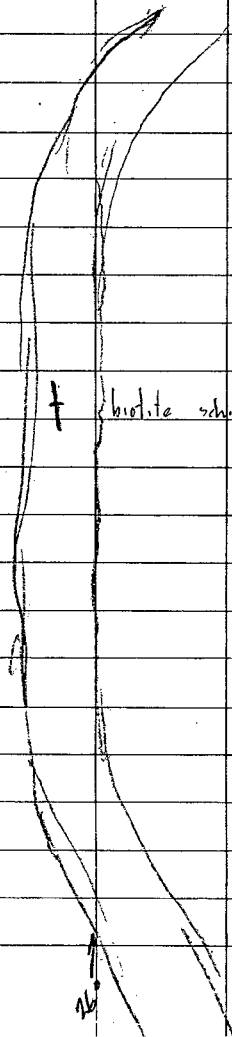
some trees de mapped

From BRH 2 E1 0 0 p

10° 28 p V<sub>X</sub> +23

0° 46 p V<sub>X</sub> +16 start of bench

26° 130 p V<sub>X</sub> +16 150 Ft.



† biotite schist, nasty partings

Aug 16 - o/c

Area N of Rose Crk - W of "Next" cks

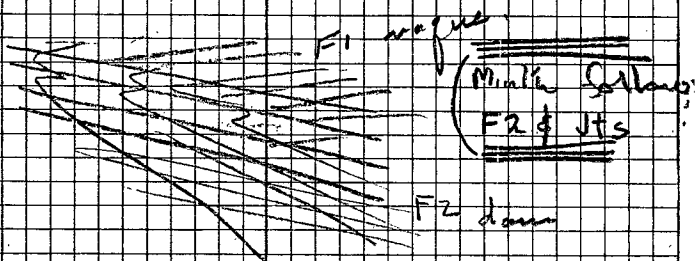
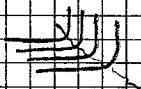
138 - Calc. sil Hfs - light & dark  
act. matrix, Si, Garnet  
F<sub>2</sub> 110/26 S Ten. H. 60/v

EI 4500 set

sil - chlorite fillings

139 - Rusty Hfs.

FA 240/45 ⊕



Sp of Ca sil Hfs w Pyrox. II

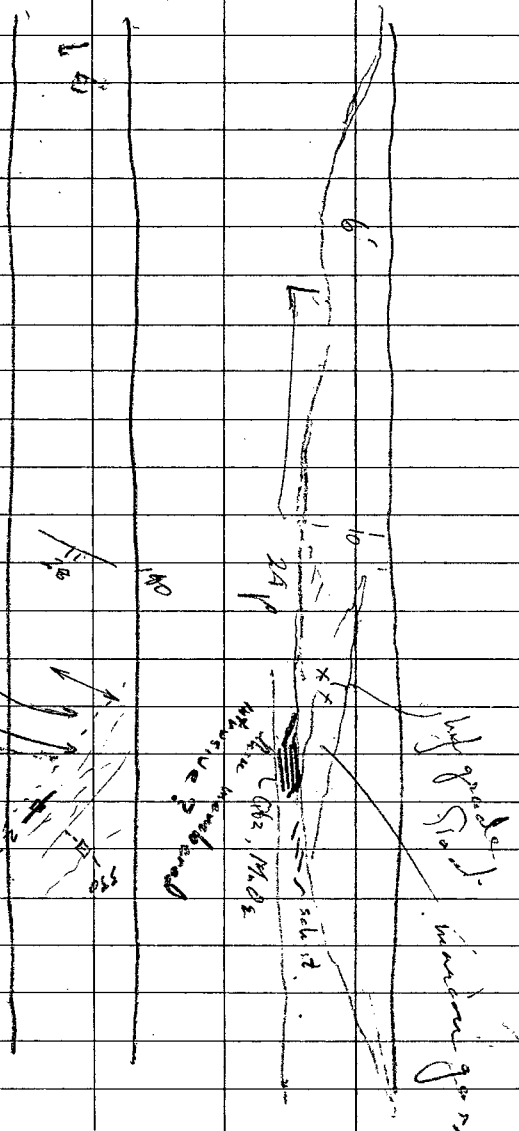
140 - Intrusive (Sp) - Qtz Dior contact with Hfs.

(Picture) Contact irreg-sharp - no sledge  
alter, 10/v appose, - o/c limited, so  
Hfs may be an inclusion; - no much in

Line of soil sample - press - survey 250'

to FA/B/16 on Dam Line EI 4375  
(cont'd)

Trench @



highly oxidized  
5 5

C.S. H<sub>2</sub>S  
Fe<sub>2</sub>O<sub>3</sub> & Fe  
important str.

17  
190

24 p

white mounds  
C<sub>2</sub>H<sub>2</sub>, MnO<sub>2</sub>

high grade  
windmills

schist

Aug 3/65

To Swam J. + Staking  
Casal 1, 2, 3 as before

Post 2  
Casal 3  
W.P.  
Boo' @  
59 A2

Edm Farley #  
Aug 3/65

Pea 1-8 - Lawrence B. H.  
9-14, 19, 21 - Joe Surt

Inventory @ Swam Base  
Office - 6 roofing rolls  
forep.  
Napalm 3 1/2 gal  
old Calman  
25 safari hats  
43 can molasses

Garage

1 pt. tin Avial  
5' flex pipe 4" ID  
doz Motor Oil

4 2" pipe elbows N.C.

4 Coal Oil Tank?

Cuttings

25 D.D. Boxes

Sampled Box boards for  
≈ 30 boxes

Fuel yard

5 empty propane  
empty 45's.

1 full Gas

10 empty's

electric fuel pumps

60 - 65 10 casing

$\frac{1}{3}$  gas in  $\frac{1}{2}$  of tank

27" diesel  $3\frac{1}{2}$  gal

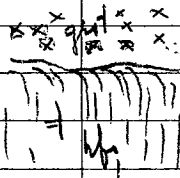
Aug 16 cont'd

J41 variable black (partially siliceous)  
and soft chloritic green phyllites)  
E1 4475  
F 2 110/16 N.

J42 ?!! Diorite - Hfs alongside?

J43. Ca-Sil Hfs 110/35 S F2  
80/V, 25/V Hfs.  
24/A fa  $\phi$   
Ca-Sil Hfs  
Calcite

Note: The band of Diorite marked grades to  
a greenstone with a trachitoid texture  
near the hfs. contact. Intrusion  
apparently in a Southward direction  
ie



144 Ca Sil Hfs. F<sub>2</sub> 100/44 S.

145 Blakely alt schist

146 Ca Sil Hfs. F<sub>2</sub> 100/40 S. Blakely  
Schist

147 Ca Sil Hfs. F<sub>2</sub> 110/35 S.

148 Sil schist gneiss - ref. g. - homogeneous

149 Diabase 1/2 but there is Hfs &  
Blk schist (sil) & Biotite schist. Plagioclase  
in abundance.

150 1' intercalate av. 10' bands

151 1/2 blk hfs & diabase to 130/55 S. Fol.  
contacts

152 1/2 Sil schist (as gneiss?) Calc. Sil Hfs.

153 Diabase F<sub>2</sub> 140/18 S. There is probably  
some more intrusion in the gneiss for  
the W, - by the alt'n & Feldspathic

picture of extremely sharp folding (F<sub>1</sub>)  
Sa 140/h.

F<sub>1</sub> - Gneiss in a fig. dolomitic, calc.  
shale.

154 Gneiss — Blk. phyllite with lime

clam tags

blow pipe

manilla envelopes

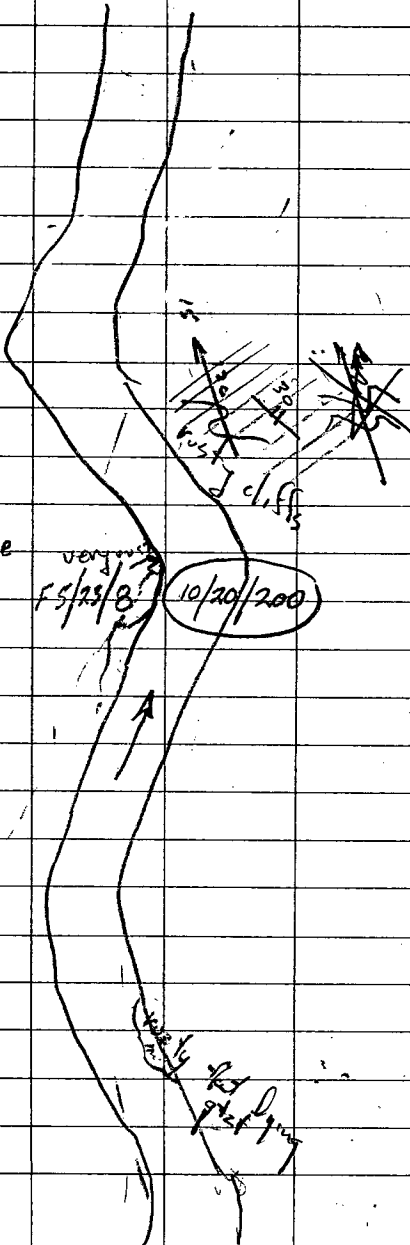
acid

notes of books

20 Doc

black light





graph schist

thin sil. shale

vergence  
15/25/8

10/20/200

800 elev  
1/21

pebbly shale  
1/22

1/23  
pebbly shale



rusty weathered  
F8/23/88  
(+ 500 alev)

ditto  
|||||



|||||  
grey & white siltstone  
Gneiss shale siltstone  
h=10  
sandstone  
sandstone  
sandstone  
sandstone

~~11/20' Distance welded  
with diameter~~

19/23/8

15/30/165

circled  
low  
of  
center

✓ Aug. 26 1965

plotted old mosaic  
#6

- Photo 1286-451

Traverse in James Rose  
Creek - N. side

soil samples 2 - 0 p

11 - 1350 p

12 - silt mch @ 1545 p

black tffs @ E.S. A.

1545

5

~~7725~~  
7725

Notes:

✓ Aug -18 - plotted on # 7 mosaic  
on photos 12282 36 & 37

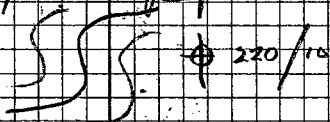
✓ Aug 28 - Near Foot of  
Vanguarda Ck. photo 12186-244

F3 & 4, soil & silt close together

F5 soil, F6 silt.

F7 placed wrong on photo

F8 Highly folded graph of chlor schist



plus a X-cutting of the intrusion  
(barren) which has associated  
c/r.

F8 - small buckle 400' away

F7 - long sample

✓ Aug 29, 1965

Photo 12519 = 152 ~~plotted on mosaic #~~

\* ~~Large dy a silt. traverse, the north of Concord Cr.~~

~~not done -~~

formed Chaplin for the day  
NE of Lager 2. - 12186 - 1259 mosaic # 14  
- F1 - 30 y pm.

- F2 - intermittent in flat lands  
below light. swampy area  
schist frag's in ch. E side of  
Va.

- F3 -

- F4 - Pyro. ? in gyt - soil sample

- F21 - split forces. - Chaplin down E side  
main Va.

- F24 - into main row. - 2.5

- F25 - still chest, but highly warped  
bx, - some knots of Pyro, II, + ?

- fault - with graphes gossan both sides,  
@ 0°/80 E = same. These appears to  
be a large proportion of graph schist  
on E side of ch., perhaps the ch. is  
a fault expression? Fault observed

appears to be a reverse type

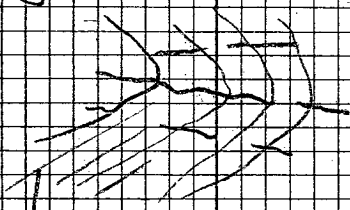
The ~~is~~ bedding is pretty well unchanged  
from previously - approx 90/60 N

- @ "healthy" looking gossan at  
F26/29/8 contains fair amounts of  
Pb (minus Pyrr) along fractures.

- Situation appears similar to Tary  
P canyon.

- S.S. could be panned for heavy metals  
(F26)

- looking approx 300/6 (W side of  
ck)



F1

- also further fault @ 100/80 N - on W  
side ck - appears discontinuous on  
E side.

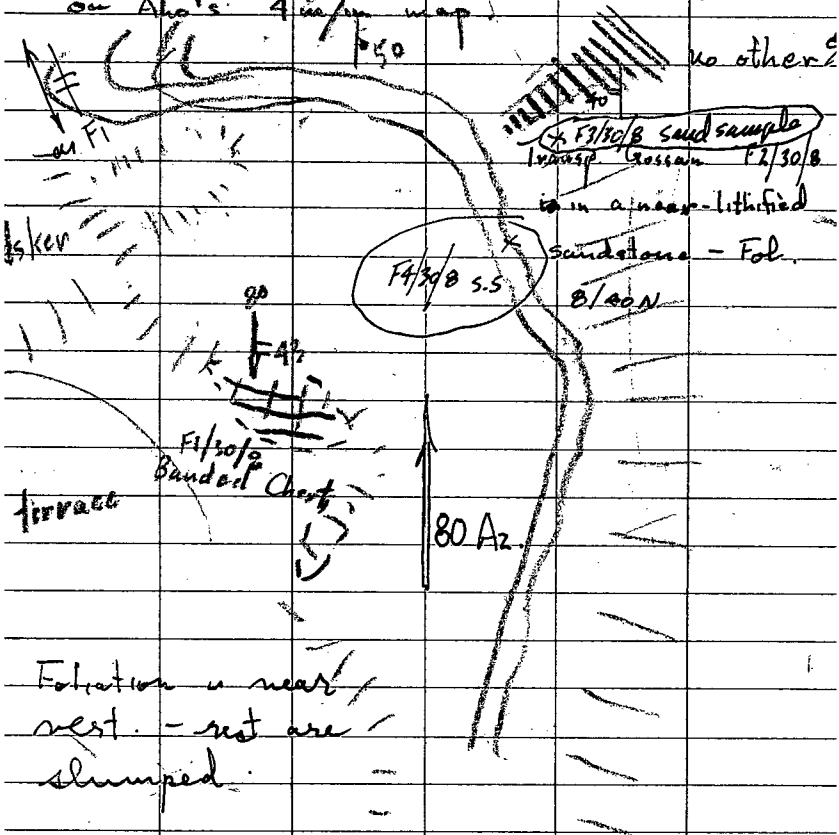
- another small fault 200' further

- F27/29/8 for S.S. in tributary and  
location

Aug 30, 1965

with Dr. Aho

Gossain in the Tang Va. - N of  
Ace Area. - N of Tang R. - no photos  
on Aho's 4 in map



no other

F3/30/B sand sample  
Transp. Gossain F2/30/B

is in a near-lithified  
sandstone - Fol.  
B/00N

F4/30/B S.S.

F1/30/B  
Banded Chert

terraces

80 Az.

Foliation is near rest - rest are slumped

— Flew SSE from previous spot to rust  
zone on N limb Anvil Range  
F5/30/8 soil sample poor - little soil  
no time for traverse

✓ Aug 31, 1965, Photo 12819-152

Mosaic # 6:

Casselman ck (1st N of Coward's  
ck) - as of - Unit 2 & 5b  
glacial float

Sample Sites on Photo 12819-152

✓ Sept 1, 1965 plotted mosaic #16.

Photo 0282 - 178

- Two spec. of F1/1/9 illustrates the altered nature of the crest in the crest area - " # 04
- Some folding and creulations steepen the bedding from 105/30 N to 70 N locally
- F2/1/9 poor silt in swamp
- F3/1/9 s.o.s. jointed in all directions, no bedding visible. This altered zone apparently follows a plane of folding, but it is not an axial plane - but rather a jointing which occurs at all angles.

Sept 13, 1965 - plotted on Mosaic #4  
(old map)

Photo 12203 - 391

Investigating causes of geochem anomalies II - x (John French)

✓ Sept 14, 1965 - plotted on overlay  
 Investigating cause of <sup>aero</sup> mag anomaly SE of  
 Main Faro group.

- a pt 22 Post 2 16701 - old post
- Float examined in this anomalous area  
 is predominantly s.s., most of level  
 chloritized also, there is Ca Sil Hfs &  
 limestone. Most of the rock is altered and  
 rusty on partings

✓ Sept 15, 1965 - plotted on overlay

- Same as previous
- Start at F19/19/4 - Travel 65° Az. 500' spacing
- Soil silt & soil sampling
- F3 amphibolite, stann + Pyrs - Selsummer.
- F4-6 Ca Sil Hfs Selsummer.
- F6 gossan (light) soil & F7 & F8
- F7 & 8 rusty & fine s.s. float
- F8 @ 850 p - from F1
- F9 change azimuth to 345 (timberline on  
 peaks above Faro City)
- F11 (1100 p) change Az to 245
- F13 - silt @ 1290' p.
- @ 2060 p hit road 100' W of F18/14/9

FR 12/9 - 16 (a) Si H<sub>2</sub>Se  
80/123 A2 in 16

Sept 16, 1965

Two App

Trenching above camp 28W 17 to 18N

No geochem 20 & 24W from  
0 to 20N

Get some geochem 12 to 20 N  
on 20 & 24 W

1/2 in Clot Box

Cross strip flagged area first  
then angle blade area  
is about 200 x 100



✓ Sept 17, 1965 - plotted mosaic # 14

EM, Mag, & Geotherm anomalous area,

Amul ch - Tay R. divide

Photo 12245 - 81

Rocks are mostly Unit 5 to light & dark  
cherts, but for one outcrop on the S end  
as marked.

Sept 18, 1965

Trench needed from ~~1240~~ '5 to  
~~SW 25~~ to investigate geotherm  
12 ~~W~~ 6 ~~S~~ - on A2 <sup>250</sup> for 300'

✓ Sept 19, 1965 - plotted mosaic # 16

Upper Carol's Ck.

Photo 12245 - 271

Sept 20, 1965 - camp

✓ Sept 21, 1965 — plotted mosaic # 19

Photo 12238 - 39

Low traverse connecting on  
side connecting Mize & Ch &  
Tang R.

2 - Rusty soil

4 - Carbonatized grot? - [Sp-]

9 - " " white [Sp]

Between 9 & 10 there is black (graphite?)  
irregular - slaty rock.

17 - pass - 019.

22 - light color banded west

Sept 22 — camp

Sept 23

Staking Cam 1 - 4

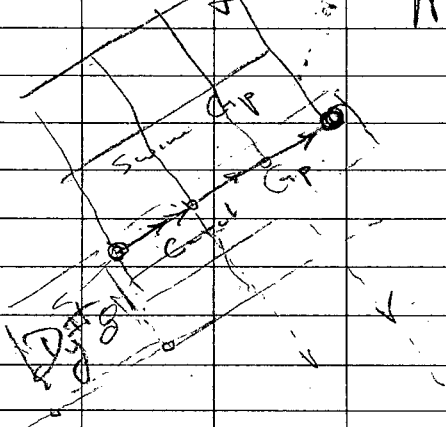
Py # 8

Pea ~~13000~~ 20 & 22

" Post 1 Cam 1 Az 65 1500 L

John King Sept 23 1965 "

Staked D of 8 - ~~77~~ - SW 1500 R.



Staked Per 20 & 22 - ~~77~~

Both 1500 R - adj claims 19 & 21

The claim line; which claim posts - Yukon Quartz, No. 67106 are on city line R4S at station 7 E + ~~7~~.

Claim posts - Yukon Quartz No. 67101 are also on this claim line.