J. F. FAIRLEY

DYNASTY EXPLORATION

o o o Conglomerate
° o ° Quartzite
. . . Sst
— — — Shale Arg
~ ~ ~ Schist
NWM Gneiss
□ □ Lime
• • • Volc.
+ + + Intrusive
▽ △ Breccia
/ Shear

F l pts

Jointing — Gneissic Banding
Foliation
Bedding
Lin

~~ Fault
— — Contact

E & N. SWIM LAKE

June 3, Wed. - sunny

At D1 alt green alt grey, qtz, v lime phyllite to slate. It is thin laminated.

Highly folded, the fold lineation avg 85/6E, plunging 330/80SW. No sense can be made of the folds, the foliation is probably bedding fol'n. N/V 95/10 SE

There are numerous qtz stringers, some boudins, qtz rods.

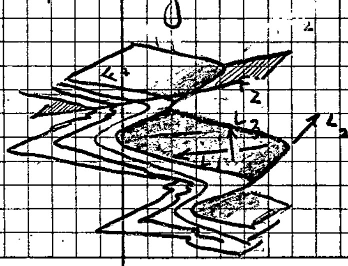
Probably general fol'n 105/25N

3-400' further E. Greenish, soft chloritic phyllite alt lime alternates with darker, biotitic, qtzose thin lam. phyllite.

800' E of D1 - X fcts @ 10/75E filled with qtz. Main lin. still 85/6E

D2 The most apparent foliation is designated F_x, there is a less apparent foliation a.p. to L_2 (70/5E). There are three lineations probably chronological L_1 285/2N, L_2 70/5E, L_3 15/10N

F_x average is 81/15N
F_2 average is
Sketch, looking E



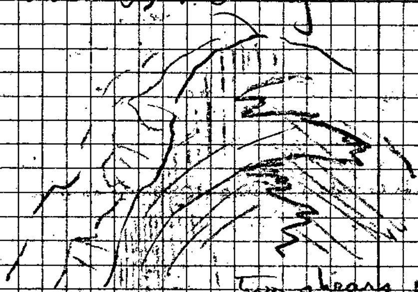
2 D4 - Volc greenstone? - a very soft, ep., chlor, folds etc.
not carrying much structure
except redundant folds 70/10E

June 5, Friday - overcast.
@ D8 - a specimen of greenstone (?)
There is actinolite <-> Tremolite
growth across some fractures.
Rock appears to have a foliation
125/55 S.

@ D9 - a specimen D1/5/6 of the
limestone. Lms. is dk. grey, xl.,
f.g., equi-g. There are numerous
sweats of calc. Main fol'n 120/65 SW
a NE-SW set shear (st. banded) may
exist (see p 3)
@ D10 - greenstone, m.g. - white flecks 132/50 N F_2

@ D11 - Greenstone, c.g. - feldspar? actinolite?
with little foliation
next hill to N - to chert & then shaley lms (grey
with schistose fol'n of 120/70 S.

Sketch at D9, looking E



Two shears producing pencil slabs and called rods

June 7, Sunday - sunny

D13 - a probable o/c, or near o/c, containing higher grade schist (garnet,
1&2/7/6 sillimanite?); some appears feldspathized, has a wavy lin., probably gneissic (Sp. D3/7/6)
The rock is highly folded (picture taken) with lineations on a heaved boulder at - L_2 85/5E
F2 foliation 60/15S (a.p. to L2)
There are lumpy slips parallel the F_x foliation

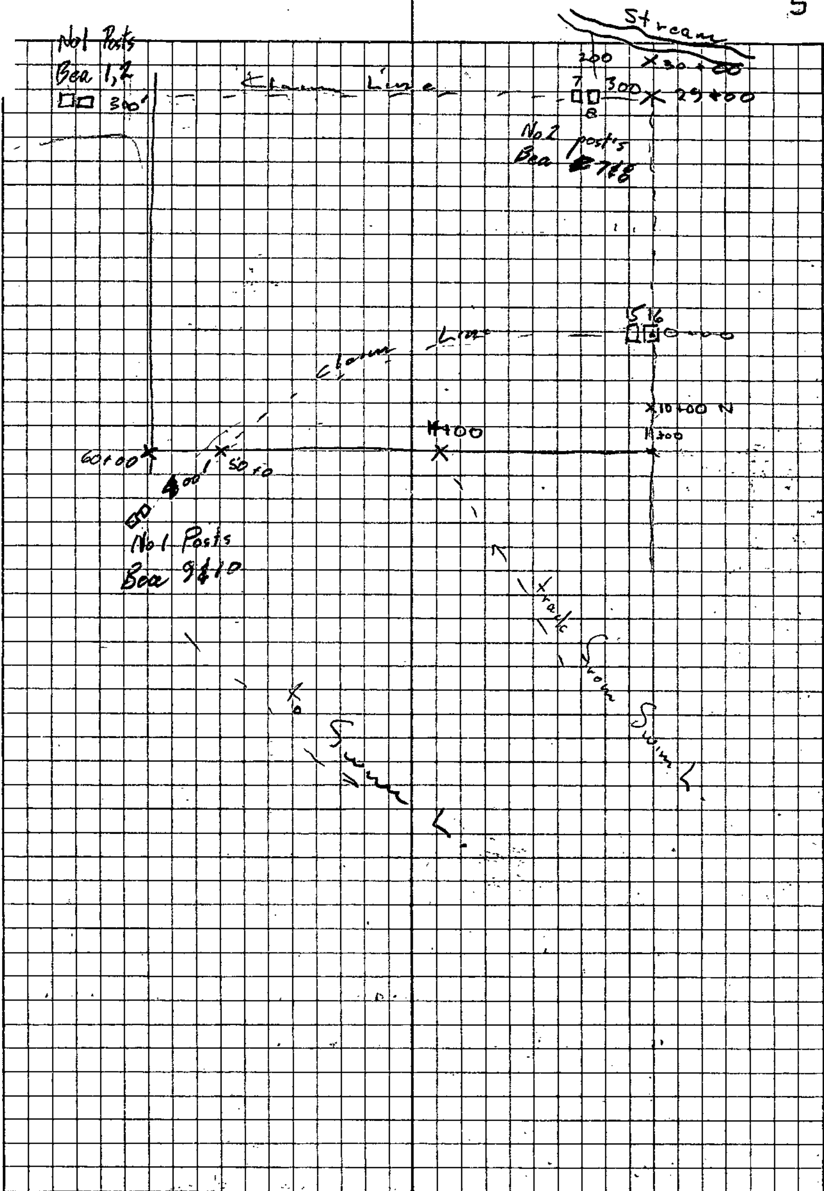
D14 Intercalated dk grey wacke & chlorite schist. F_x avg. 80/15N. The L_2 is as at D13

4 June 9, Tuesday - sunny
- ice on Swim L. clearing fast

J1 - Cut banks in glacial till. overburden 30' to 40' deep at least

J2 - E side of meadow - creek: lt grey phyllite with foliation 250/8 salt slimey

June 11, Thursday - overcast, variable
No % was found throughout the day one ss. (K 18) was taken (loc. on photo). Frost heave patterns of glacial drift boulders (all granitic), and mud slides on low angles indicate the presence of permafrost under the ≈12" of moss. (also - N. facing slope) The claim tags 23117 - 23132 were all placed. The N. claim line (see sketch p5) seems well placed in relation to the circumference cut lines, but the S line is well off. There is a ~~pre~~ preponderance of willow & buckbrush everywhere !!! (+ mosquitoes)


Stream
No1 Posts
Bea 1,2
300'
Chain Line
200
30+00
7
8
300
29+00
No2 posts
Bea 7&8
5 6
0+00
Chain Line
10+00 N
60+00
50+00
400'
No1 Posts
Bea 9&10
Track
Swamp
Swamp

June 12, Friday — variable weather
The ice has nearly left the lake
Raft building

June 14 — rain

MOOSE LAKE

June 17, — variable
100 yards W of camp on Moose L
There is thin ~~[illegible]~~ foliated
green micaceous schist

J3 — 200 Az S ... } graphitic schist
fol 245/13 N } same as for —
skarn

J4 — Main mineralization on surface
The skarn is a dense, green,
f.m. grain material —
Gn. pyrite, Cp, MnO_2, Gal, Spal,
Trem, Act, Calc, Ep, Garnet, Si
The ore zone cts. both a dark red and
yellow ochre, unconsol.

June 18, Thursday, — variable

Tape and Compass Traverse

Traverse from BS #2 Claim 21

#2 22

#1 23

#1 24

From	To	Bearing F.S	Bearing B.S	Dist	Slope
Pt # 1 BS23	1	63/97	247/281	100	0
1	2	59/93	246/280	100	0
2	3	68/102	247/281	100	0
3	4	61/95	244/278	91	0
4	5	59/93	238/274	86	0
5	6	44/78	254	64	0
6	7	94	274	100	0
7	8	88	268	99	0
8	9	85	267	91	0
9	10	104	287	100	0
10	11	81	262	100 98	−12
11	12	82	261	100 98	+10
12	13	72	251	61 60	+8
13	14	95	275	100	0
14	15	88	278 278	100	0
15	16	94	275	100	0
16	Pt #2 BS 23	90	272	106	−8
				1598	

Comments

308 M &	324 M	bearings to The two pts of lake to N.
34	34	
342	358	
347	363	

changed to Brunton

316° to pt at W end of L. to N
342° to " " E " " " " "

339 to pt at W end of L to N. 73° to pt on E end of Moose L (N side)

10

From	to	F.S.	B.S	Dist	Slope
#1 Sea 40	1	84	263	107	-5
1	2	81*	261*	109	—
2	3	85*	263*	100	—
3	4	103*	283*	99	0
4	5	95	274	102	0
5	6	104	284	83	0
6	7	94	272	110	0
7	8	103	282	101	0
8	9	102	281	75	0
9	10	84	262	69.5	0
10	11	107	289	86	0
11	12	82	261	80	0
12	13	109	289	84	0
13	#2 Sea 40	98	276	103	0

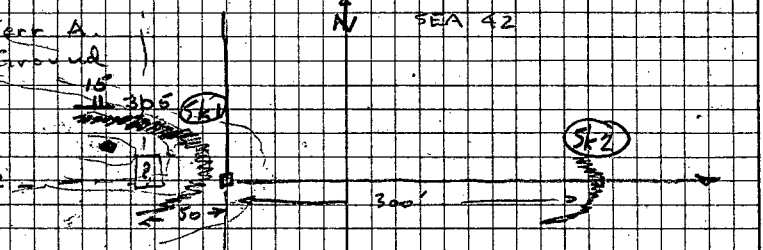
June 19 Friday – variable weather
– geochem kit repairs – bottles needed [illegible]

June 21, Sunday – overcast, rain showers

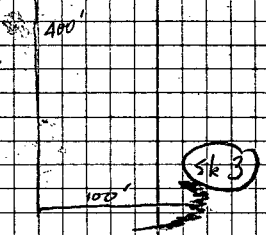
J5 – granite Sp. F1/20/6
goff jointing 255/V @ 0°/60° W

June 22, Monday – variable weather

Walked from camp to SW corner of SEA 42



The assumed corner pt. is marked on the photo (J6)



Spec. for assay came from Sk 3
Mineralization exists for at least 80'
along strike but grade is not constant

Spec F1/22/6 – highest grade chalcopyrite
F2/22/6 – " " gab. & pyr.
F3/22/6 – " " from #3 hole E

12 June 24, Wed.

From	To	F.S	Dist.	Slope
500 S of FS #1 40	1" 14"	0	100.5	0
14	13	0	100.3	-8
13	12	0	100	0
12	11	359	99.5	0
11	10	359	100.5	0
10	9	0	100.5	0
9	8	359	100.3	0
8	7	359	100	0
7	6	359	100.5	0
6	5	359	100	0
5	4	358	100	0
4	3	359	100.1	0
3	2	0	99.9	0
2	1	359	102.0	-12
1	#1 Sec 40	358	104.0	-17
#1 Sec 42	1	89	90.5	-3
1	2	101	89	-2
2	3	96	96	-5
3	4	103	93	-6
4	5	90	86	-3
5	6	104	100.5	-3
6	7	115	93.5	-3

From	To	F.S	D.st	Slope	
7	8	100	82.5	-5	
8	9	102	83.2	-7	
9	10	96	96.2	-5	
10	11	92	79.5	-4	
11	12	105	94	-4	
12	13	104	98	-6	
13	14	100	93	-6	
14	#2 Sec 42	108	72	-5	
			346		

Pacing from #2 Sec 42 - 200' @ 70° then 300' @ 90° to a cut line (@ pt 3+00 S) then 370' to lake @ 90 to pt on plate 17

Elev. 3100 camp

1500S & 940	1	79	102	-4	3470
1	2	179	100.7	0	
2	3	79	99.5	-4	
3	4	180	101	-6	
4	5	179	102	0	
5	6	179	102.5	0	
6	7	179	102.5	0	
7	8	179	107.6	0	
8	9	179	104	-5	

From	to	Fs	Dist	Slope	El.
9	10	179	102	-7	
10	11	179	107.5	-7	
11	23+95 W on old base line		82	0	
11	12	179	102.5	-3	
12	13	179	102.5	-4	
13	14	179	97	-9	
14	15	179	101.8	-7	
15	claim line picket	179	73.0	-5	
claim line picket	1W	269	287	+4	
1W	2W	271	156	+4	
2W	3W	270	155	0	
3W	4W	273	190	0	
4W	5W	272	98	0	
5W	6W	272	99	0	
6W	#1 Post Sec 70	272	13	0	3400
claim line picket	1E	89	126	-4	
1E	2E	87	153	0	
2E	#2 Post Sec 70	86	84	0	3300
#2 Post Sec 70	#2 Post Sec 71	≈ 75°	1353		3250
	Bearing 288		from lake.		

June 25, Thursday — overcast

at J7 : 200 feet up the hillside the rock is nearly flat-lying, rusty and chloritic phyllite, quite light coloured and thin laminated. There is o/c for several hundred feet around the shore to the south. Foliation 60/15 N
L_x 95/5 W
Here the rock is blacker, arg. no $CaCO_3$

at J8 Fol 72/10 N.
L_x 97/horiz
L_y - 35/5 NE
Filled fractures (qtz) 170/steep (70-80 W)
Fractures 145/85 NE
in a dark argillaceous phyllite

at J9. An overturned small scale fold with axis 284/35 in the dark gray phyllite. Then ~~on the N side of the gulley~~ there is an o/c with foliation 10/40 W (slump?)
Also L_x 284/10 coarse cren.
L_x 280/15
L_5 245/15 coarse cren.
L. 350/? later lin

The average foliation dips slightly north.
Quartz slips and stringers are common in the argillaceous phyllite.
There is probably a fault assoc. with the gulley indicated by the variation in foliation.
A better foliation reading 55/251 west of the gulley was taken.

at J10 - 50/10 N - grey phyllite

at J11 - 40/5 N F_x - black arg phyllite
Jts 0/v, 335/v

a skarn boulder on top of ridge 2° bearing from small . to N.
The F_x here is 40/5 N
June 26, Friday - sunny
J12 65/30 N F_x | in a light coloured, rusty
0/85 E joint | phyllite (sericite?)
thin laminated
a 6" quartz sweat is barren

J13 - F_x 70/20 N Lin 25° SW on foliation in a soft, greenish grey phyllite very fine laminated

June 28, Sunday - variable

J13 approx. light coloured phyllite, rusty weathering - flat lying - appearance as that at J12

Lin 275/h

J14 Shoreline @ 1000' SE at J14

J15 same light grey phyllite as previous - fine laminated - weathering rusty

Lin 300/105

210/h larger crenulations later

Fol 30/105

J16 same as at J15

Fol. 40/105

J17 - oriented spec of lt. grey phyllite

F 1/28/6

June 30, Tues. – variable

J18 – whole area is dotted with grnst. volc. float. Easterly it becomes coarser grained with lamprobolite (?), hornblende, epidote, pyrite. Probably this ridge is underlain by this volcanic. The top of the ridge is apparently a glacial lake (or stream possibly) deposit.

sidérite?

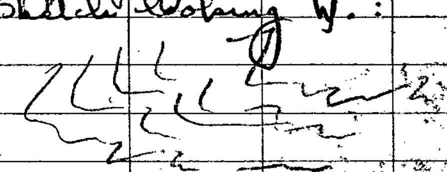
July 1, Wed. – overcast

J19 – Flow banded andesite (some π) with folia 40/20 N

J21 – 83/13E lineation corresp. to small scale folds seen. On the 350/80W jointing the f_2 foliation has a dip of 18 S.) but is not well developed. The rock is a light grey limey sericite phyllite. Sketch looking W.:

likely

This is slumped



J20 Claim line into lake

J21 Also at J21, there is some volc float - more e.g. andesitic higher mafic than normal.

More, minor phyllite 300' further up hill

jointing is 23/80E. S_2 fol'n here is 205 for this jt plane. Lin 290/15 E

J22 Clam lime crater ridge

J23 Greenstone schist 265/25 S S fol'n altered clay & chlorite high % + rust lime

There is 270/V jointing

J24a Grst schist 265/20 S fol'n

Rusty, limey.

J24b Very fine grained material, limey, siliceous, micaceous (sericite), foliated 310/25 E.

100 ft further up the hillside we were back into grst-schist, very chloritic clay alt'n, no $CaCO_3$

J25 Volc grst.

J26 as at J24 Jointing prominent at 40/22 S, also there fol'n (probably bedding?) at 160/40 N

And 100 ft further S back to f.g. micaceous bglt

10

J27 - Contact marked
- Light grey seric, very limey phyllite
folds 140/10 N, fol 110/40 N
- Grist, blocky
- 2 spec - F1 & 2/1/7 - Cp.

J28 - !!? silicified grit as qtzt
Blocky fol'n 135/20 S
Cut line has diverged 100' E from claim line
Spec. F3/1/7

J29 Just 500' N of posts fol'n in a seric. schist (limey) (Sp 4/1/7) is 110/35 N

J30 Loc. of posts - cut line is now to W of claim line

J31 Loc. of posts -

Note J28, 29, & 31 are misplaced - fall on a line between J30 & J32

J32 - Volc grist, near unaltered, andesite ?

J33 - Sp FS/1/7 migmatite ? picked up by Dave Barclay in situ - pyritic

J34 - Arg o/c ?

July 2, Thurs - overcast

J35 - probable posn of final posts 43 & 44

Pacing to #1 posts (287 p)

Soil on these hillsides has 4" grey leach then rusty red. Probably not too deep (5')

Pacing to #1 posts 41 & 42 (268 p). It was 100 p to ~~Blind~~ Moose Ck from the previous posts

Pacing to #1 posts 39 & 40 (293 p)

The steep hill (open) above the NW side of ~~Blind~~ Moose Ck is 150 p from #1 Posts 41 & 42

J36 - greenstone volc. - fractures not consistent near #1 posts 39 & 40

J37 - glacial till, no o/c - probably not volc or would o/c

J38 - no o/c

J39 - J40 - greenstone

V41 Dave Barclay – cliff is formed of perhaps 50% (F 8 & 9/2/7) dark grey limey chert. The rest is a jumbled mixture of brown chert (F 7/2/7), ribbon chert (F 6/2/7), chert breccia (F 5/2/7), calcite & aragonite growth (F 4 & 3/2/7) and some kind of a altered rock including malachite & chrysocolla. (F 2 & 1/2/7)

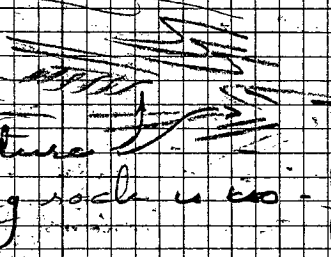
July 3 Fri = variable weather.

Returning to base camp, an o/c was visited at 39+00 to 37+00 on the old base line. This old base line crosses the IV-S sampling lines at 12+00 S. The rock varies between a light and dark grey, phyllite, sometimes limey, sometimes rusty. The foln varies 80/25 N, 80/30 N, 90/27 N

Fting - 350/v (off qtz filled)
15/v

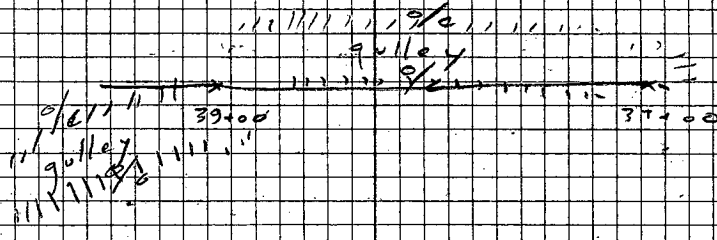
Lineation 90/h.

Minor fold axes at 90/4.
Looking E:



add structure
suggesting rock is too-folded

Plan:



move to Shrimp L

VANGORDA AREA

July 9, Thurs. - overcast weather

J42 F 110/30 S

L 162/18 minor lin 110/h

J 20/V

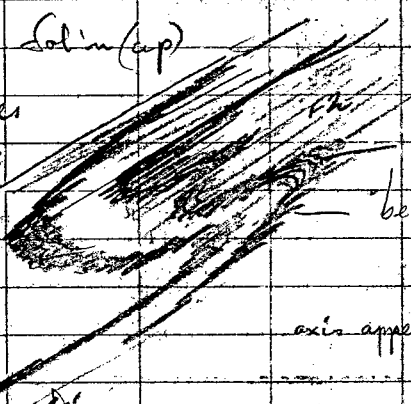
also tends to crack on 162/18 lin

J 130/8 S

Sunate schist - light steel grey sheen - minor lin

J 43 120/34 S fol'n (ap)

at angles to fol'n: looking down creek -



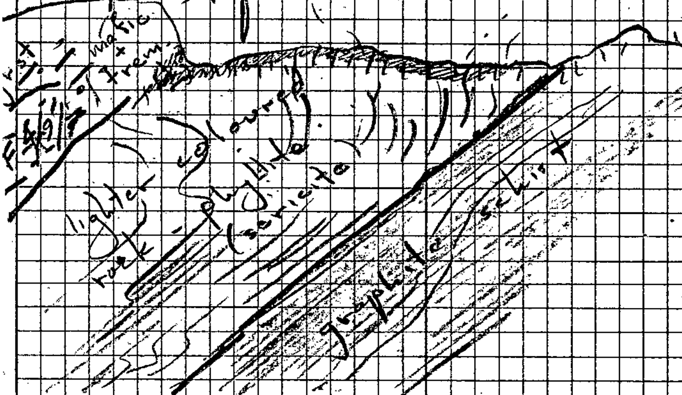
120/57 N fol'n jointing grey sericite schist

J44 - fol'n gusting creek 145/50

J44 Folding 130/17 NW axis

Contact ~ 130/44 SW

as seen on (scale) section marked (photo), from SE shore:



J 45. Fol = 150/40 (bedding)
Going up bank from ck.
Strongly sericitic schist (lt grey),
limey chert? 15' (F1/9/7),
Greenstone altered, or gneissic
rock (F2,3/9/7) (mineralized
π, pyr)

J 46 greenstone except for a thin band
of light green limey chert 15" near
top of hill. Fol 50/12N

Fe+ core logging -

a) 104, 102, 101, 120, 89, 118, 55, 119
108.

b) ~~51, 87, 112, 72, 109, 71, 12, 14, 11~~

c) ~~120, 96, 20, 95, 47, 94, 35, 126, 38~~

#104 0 - 75' o/b

75 - 235 graphitic phyllite

88 20° F_2

90 qtz vein - gs Δ -

92 steep crumbled F_2

93 flat F_2

96
97 - 40° F_2

100 - 113 flat F_2

113 - 114 crumbles

114 - 130 0 - 5' F_2

130 - 135 5 - 10 F_2 limey

135 - 137 10 - 20 F_2 limey, $\bar{T}$, Ca

137 - 144 6 - 10 F_2 v. limey, $\bar{T}$, Ca

99 crumbles, tight

144 - 148 Qtz, barren,

148 - 155 flat

156 - 158 steep 60° crumbles, Ca, $\bar{T}$

158 - 186 0 - 10° crumbles occurs, a steep jointing 80°, an F_2 @ 80° 172°,

Q $\bar{T}$ stringers

F_2 ~~two~~ probably bedding
For recording purposes assume F_2 stk 90 dip S

186-191 10-20° F_2 30° F_3 
186-235 π Ca slaps
191-197 10-30° F_2, L_3 120/25°
197 Tight crumbling F_2 ≈ 40° L_3 60/30
F_3 140/30 N
206 F_2 20 L_3 190/20 F_3 200/70 W
217 tight crumbling, little orientation
235 starts to turn sericitic, Ca, π
237 π Ca. Py S. mul'n governed by F_2
250 = Sericite phyllite
250-260 10-20 F_2
265 end F_2 20 L_3 170/20

July 11 - Saturday - variable weather
J47 F_2 10/30E L_3 85/30
Rusty graphitic phyllite

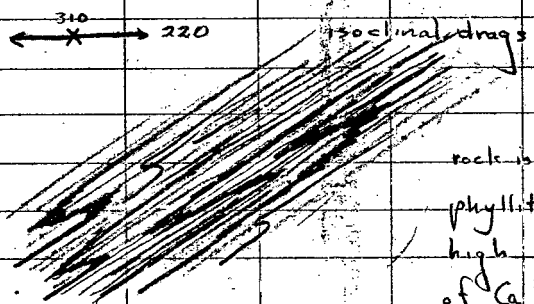
J48 ditto J47 but the phyllite is tightly crinkled, no orientation, with 25% blebs of Ca, Qtz, Feldspar,

J49 There appears to be an intrusion of some type (injection gneiss?, porphyry?) with some Ca, that has brecciated the graphitic phyllite. Just above it in this location is a sericitic schist F_2 = F_1 = 355/30 W L_3 320/20 Jt 260/V
355/50 W at S end of area marked.

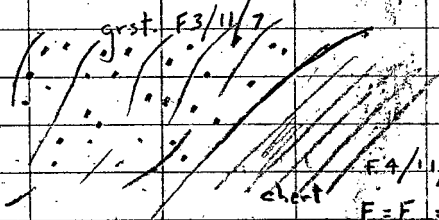
J 50 Qtz - Felds Porph - blocky fracture. - Jts 145/V 245/V — F2/11/7 Spec.

J 51 325 320/8 axis dominant F_2? F_1 = 320/40W

240/22 minor



rock is a sericitic phyllite with a high % (30%) of Ca blebs, stringers.



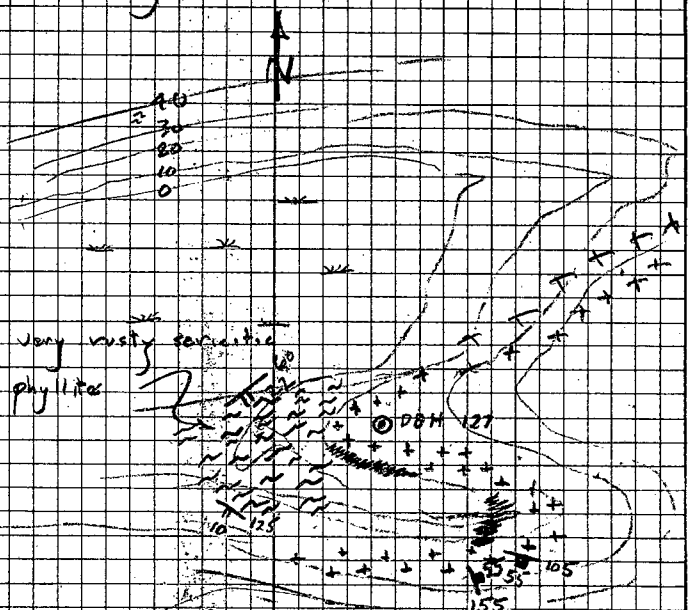
J 52

J 53 Interlayered 1" bands limestone and light green chert with wider sections of greenstone. The ridge appears to be an expression of an anticline axis 135°

J 54 Flat lying argillite

July 12, Sunday – variable weather

#55 –



There is a rock present at the contact which is highly quartzose, banded qtz ! all the Ca is leached, highly MnO_2 stained and filled – probably drusy cavities which have been weathered. Sp 1/12/7. However, Sp 2/12/7 probably shows a less altered form of this rock, an altered graphitic phyllite? The Feldc-porphyry is highly jointed, altered, rusted

#56 may be near fold axis, sericite phyllite.

July 13, Monday - sunny

J57 F_2 340/12 W in rusty, hornfelsed, sericite phyllite.
Another 500' toward Vangorda the dips (F_2) are 340/20 W, with lineation 355/≈5 N, same rocks.

J58 F_2 5/24 W sericite phyllite, rusty, hornfelsed, chloritized
The West side of the creek the rocks are the same

J59 F_2 60/20 N Lin 310/18 Rusty sericite schist as previous incl. biotite has occurred occassionally since the creek

J60 as previous F_2 50/10 N

J61 En echelon faults 215/54 SE with SE block down - very little evidence but cut in F_2 which is 315/15 NE

J62 0/10 W + chert lumpy graphitic phyllite
Tr, Pyrr
Sps F1 42/13/7

J 63 82/V , 335/85 SW porphyry

July 15, Wednesday - rain.
DDH 102

0 - 50 - sulphides , Π, Cp? + sericite phyllite
flat lying Sp 1/15/7

50 - 100 graphitic - flat attitudes - broken

100 - 110 sericitic , + qtz - crinkled

110 - graphitic - qtz, Ca blebs, stringers , Π, Cp.

110 - 233 flat , 0 - 5°, crinkled , lineation
indistinct , boudinage , some
shearing present

150 - 151 30° dip , Lin 150/25 , miniature

110 - 233 X-bedding
intrusion Qtz with pressure , or
previous existence to shearing

around
225 highly crinkled , minor folds

233 Π Cp , P in hornfelsed rock
- 250 changing to lighter colour Sp 2/15/1

250 - 252 altered sericite , Qtz, Π. flat

252 - 260 - steeper dips to 60°, crest of fold,
then back to flat dips

260 - 268 - flat.

July 16, Thursday - sunny

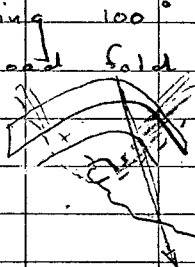
J64 - Garnet, Biotite (+Staurolite? sericite) schist F_2 100/30 S. Crystal direction 130/5. Sp F1/16/7

J65 - Schist, hornfelsed Sp F2 & 3/16/7.
- Folds  Axis, Lin 330/18
- Foliation generally 60/10 N

July 17, Friday - sunny

at J45 Fold Axis 280/25 looking 100°

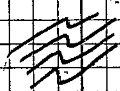
J45 broad fold



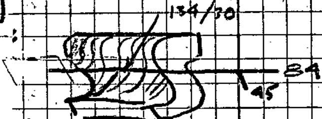
J66 - F_1 306/80 W Lin 310 ?
- graphitic phyllite
- may be slump block

J67 - Greenstone, m.g. - TT - F on J 250/80 N

On top of hump there is a pack sack DD4-T4 in greenstone. The gest is m.g., altered, some orthoclase, Ca- Sp. 1F2/17/7

J68 134/10 NW lin F₂ 146/45 SW
in phyllite - sericite to (green) chert
looking 314: 

July 19, Sunday - variable
J69 flat lying (F₂) sericite phyllite
drags axis 84/h. - looking 84: SS
L₃:

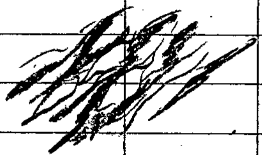


July 26, Saturday - rain & variable
DDH 101
0 - 88 graphite grey phyllite, generally flat F₂,
some crinkles and porphyroblasts,
and evidence of shearing.
80 - 87 more shearing, Ca. stringers, π min'l'n
87 - 102 - graphitic phyllite
102 - 176 - variations of a sericite schist, some
graphitic
Steeper dips occur at 120 - 130, vert @ 198
The rock is sheared (drags, porphyroclasts,
boudin structures
Min'l'n is spotty π, Py. @ 105
Min'l'n Best from 205 - 268 - π, Pyr, Cp.
in the Ca, barren Qtz, Gr. Ph., bands.

Found other two boxes

Spotty π throughout seems to occur along chloritic areas of chlor-sericite phyllite

There are quartz sweats also



VTG - 193 - Graphitic Phyllite

DDH 120

0 - 69 mostly graphitic, some lighter sericitized phyllite

69 - 79 mineralization with a little sericitic π, Pyrr., Cp, Mn - dol, siderite, px? Hb? (soft, grn stk, blk cd)

79 - 96 Altered graphitic & sericitic phyllite π, Pyrr, dol?, qtz, sericite

Sp F 1/29/7

96 - 101 Mineralized π, Pyrr galena, sphal bornite(?) - distinct banding with Cp + Gal Sph / π, Pyrr

Banding so far has been crinkled, ~ level

101 - 130 Sericite phyllite with 50° foliation, lineations & drag folds down dip, some, pyr. siderite in fctrs

130 - 160 - same, but more fractures, rust, pyr.

160 - 208 Cl graphitic - sericitic phyllite, with wavy folia banding, av 30° foliation, π Pyr repl. along Qtz Dol (?) lighter bands Sp 3/29/7

208 - 218 - Min'l'n + qtz seric alt'n

218 - 225 Graph phyllite; flat to 20° fol'n

225 - 227 - Seric phyllite with Ca slips lenses

227 - 270 Graphitic phyllite with Ca slips, Variable fol'n up to 30°, with no lineation

270 - 278 Min'l'n + qtz seric

278 - Fractured seric phyl to end; variable foliation to 25° | Ca lenses, siderite occasional π, pyr

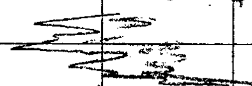
July 31 , Friday

J70 - limey, siliceous sericite phyllite occ. chloritic, flat lying

J71 - greenstone, & chloritic phyllite

J72 - limestone phyllite, dark gray, some biotite. Flat

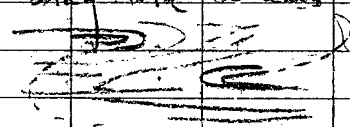
F_2 ⊥ , F_1 :



Lin 118 (& biotite growth)

J73 same. drag fold 118 axis

Looking 118



Aug 1 , rain

Aug 7, Sunday – o/c, int. rain

DDH 84

0 – 80 – missing

80 – 105 sulphides, massive, with a little qtz, seric, rust, siderite? w/r alt'n

105 – 208 The rock appears altered (sericite, qtz mainly, with some chlorite, epidote, biotite, siderite, dolomite?, and sulphides)

The foliation does not always co-incide with the bedding which is highly wrinkled and occasionally broken and brecciated as in a siliceous section at 176. Possible crests of folds occur at 118, 131, 176 & 201. The foliation varies around 20 to 0° with steeper dip 50 – 30 from 170 – 200

208 – 2250 massive sulphides. The sulph's are always banded, ~~some~~ segregation of Tt – pyrr against sphal, gal is evident

– The original rock is probably a sericite phyllite
– Sp F/1, 1/2/18 at 176.

The dominant alt'n is qtz, w/o
From 236 to 237, quartz blebs
(< 1 mm) is flasered with an
argillaceous or cherty matrix with
π occurring in either.

255 - 290 The rock is less altered - graphitic
phyllite. The F_2 is predominantly
low angle, but bedding
dragfolds (1-2 cm) may cut the
F_2 (even at right angles). Some
fracturing and qtz filling occurs.

290 - 331 end Mainly seric. phyllite, some
qtz sweats around 297. F_2 &
bedding generally low angle. The
phyllite is fairly silicified, some
chlorite

Aug 3, Monday - showers

DDH 118

Casing to 33

33 - 46 altered graphitic material, high
% sulphides (π), highly siliceous &
friable. Mineralization occurs
first in tiny fractures. No Ca.

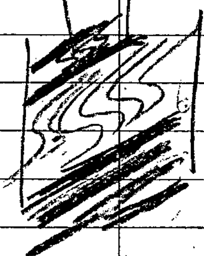
46 – ≈137 mainly sulphides, with
π dom, Pyrr, Cp, Sph, Gal
Highly banded - Qtz, seric - alt'n). Banding generally
low angle (<10°)
≈30' core missing

137 – 154 A highly friable, rusty rock.
Seric, Qtz, MnO_2, Fe_2O_3, Chlor
alt'n + sulphides - Fol'n
generally steep but highly
wrinkled and broken.

154 – 194 Probably an altered seric phyllite.) The foliation is
generally low (≈ 20°) but
there are small scale folds,
crinkles and it is difficult
to discern the original bedding.
There are qtz-feld (pink) intrusions
which have carried π, pyrs.
Dol is probably present.

194 – 226 Around 194 the numbers of
intrusions of qtz & qtz felds increase.
Also the sulphides insert.
Some of the sulph's are in qtz
(sweat? intrusion?) fchrs - Fol'n and

bedding don't always co-incide
Silicification towards the min'l'n
at 226 notably increases
226 - 234 Sulphides as previous
234 - 275 Graphitic phyllite with
Ca - Sulph stringers in fracture
The phyllite is banded light
& black with the lighter
sections (Ca-Dol-Seric ?)
showing high shearing



The fol'n is generally 40-60°
275 - 278 Ca - Qtz Seric phyllite, Chlor, π
278 - 280 Graph phyl with Ca-Qtz-Seric
280 - 282 as 275-278
282 - 285 as 278-280
285 - 286 Sulph's (π), qtz
286 - 319 Altered rk.
end Qtz-seric mainly - phyllitic
Also Chlor, Siderite, Ca, Dol ?,

Fol'n = bedding ? up to 20°
Lineation along strike of fol'n

Note: much of this sericite could be talc - serp. - very soft

Aug 4, Tues - showers

Check DDH's 137, 134 in the pond?

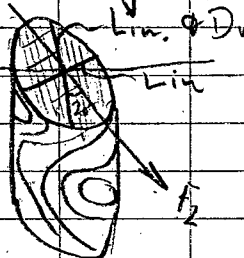
DDH 55

0-100 Mineralized. 0-60 mostly missing
Π Sℓ Pyps - banded!
Bedding ≅ foliation ≅ low angle

100-192 Altered rock mainly qtz-seric talc
MnO_2, sulphides, some qtz intrusions (?) incl S's, some rust
First 5' contains graphitic mat'l.
There is evidence of shearing (drag) between some micaceous bands
Bedding is generally low angle

192-229 Min'n ✓, mainly T, disem., in an argillaceous mat'l - siliceous - mineralized mainly on siliceous bands, controlled by bedding + fractures (qtz). 193-196 the bedding (thin) is highly wrinkled, vertical

196-206 The bedding is 20-45°, then 206+ bedding is flattes.
225-229 the rock is highly quartzose (alt'n)
229-262 missing, though probably largely like previous
267-351 like 100-192, only more Ca, Sid. and Ca contains S's., chloritic
The original rk is probably intrusive. The whole section generally has a foliation 20-40°.
Drags of bedding at 275:



Fault at 274
Rk become more consistent Talc-serie phyllite

Spec 1, 2, 3/4/8 of the qtz-serie-talc w/r all'n

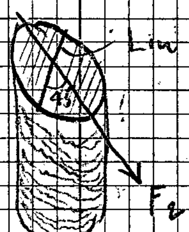
DDH 110

0 - 139 no core

139 - 170 altered qtz - seric, rusty.
One band of blacker argillaceous mat'l, Bedding & fol'n 20-40°

170 - 250 largely mudin] - qtz seric alt'n

250 - 304 end Orig. seric lk, mostly altered qtz - seric - talc, some sulph.
Foliation approx bedding generally 30-40°. at 26? :



at 281, crinkled & dragged + qtz.

DDH 171

31 - 85 Highly altered, sheared, brecc. qtz intruded. Sulphides

Sp 4, 5/4/8

85 - 90 Sulphides

90 - 152 Qtz porph.

end Sp 6/4/8

DDH 10 (packsack)

0 - 33 porphyry

33 - 38 sulphides, high pyr.

38 - 44 porphyry

end of core.

Aug 6, Thursday - cloudy

J74 - 124/70N F_1 (prominent as F_2) in a greenish gray relatively unaltered siliceous) phyllite, little mica, no $CaCO_3$

F_2 152/22N. Shearing is N over S for a slight gleitbretter effect.

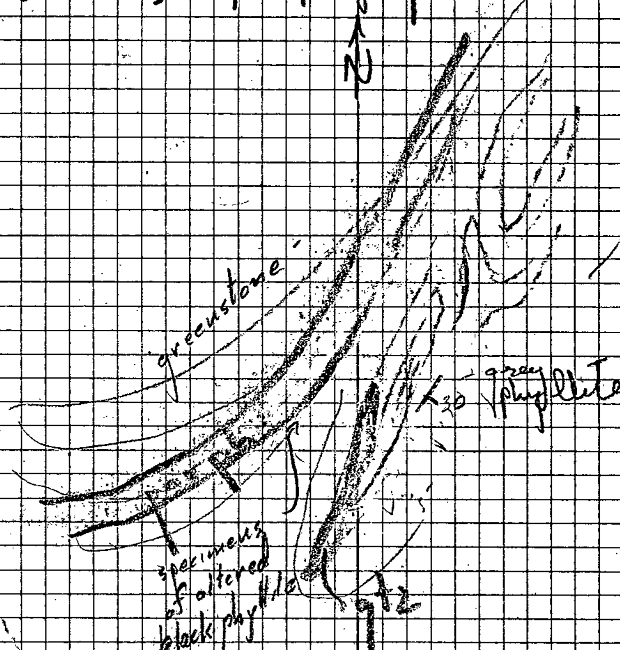
J75 Highly acidic intrusion, mostly quartz) much maroon & redoxide

[illegible] Jth 335 M/V & 25 M/80 NW

F 1/6/8 - qtz J75

F 2/6/8, 3 } - altered phyllites

F 4/6/8, 5 } - porphyry



J76 grey-green (gwk) phyllite ~~rel~~ unaltered. F, 250 M/85 N adjoining a high mafic (chlorite-amphibole) greenstone that has fairly large x'ls

Note the porph sill 130 M/70 SW ~30' thick

DDH's 127, 131, 124 all near base of porph.

Aug. 7, Friday - sunny.

K86 silt sample, small 2'x6" creek. Rock here is meas o/c; a feldspathic greywacke.

J77 grey biotite-sericite schist

K89 silt sample, large creek 5'x2', fast. Granite in creek has a foliated texture, e.g., euhedral, high muscovite. There is also hornfelsic boulders in fair abundance

J78 sheared granite - 315 M / 40 W F1/7/8 - as at K89. Shearing has apparently been hanging wall down onto footwall

J79 F, 225 M / 25 N in a hornfels F2/7/8 and gneiss F3/7/8

J79a F 4/7/8 — silicified & hornfelsed rock. 97

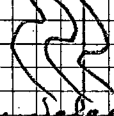
J80 grey siliceous phyllite grading to a graphite phyllite 100' above. Lin. 95M/h. Sp. F 4/7/8

J81 Lineas has nothing notable. There is a sericite phyllite both sides F₂ 95M/30N both sides. Lineation 95M/h. Many qtz rods and fold up on S side lineas

Aug. 9, Sunday — rain

J82 a v.f.g. siliceous mat'l, light green, banded: Either chert or silicified grit.

F_2: 90M/45S Lin 90M/h

Folding  looking E.

Highly crenulated - Rooker folds - pathyzed. Qtz & Felds nodules on weathered surface.

15 Mar — Vaughn — Talking to Lief Ostensoe at Shrimp L. Moving in drill to pt 100' W of Wedge L. (For 3 weeks?)

May — Idaho

Aug. 11, Tuesday — sunny

J83 greenstone, feldspathized; qtz-calc schist stringers. Two phases of folding. 243 M/h later stage recumbent drags, with 295 M/h (isoclinal) axis on a horiz plane, which seems to indicate the general foliation (horiz to 10° E)

(S):
A few hundred ft down ck of J83 the rock is chlorite sericite phyllite, also grey limey phyllite, some graphitic phyllite (?)

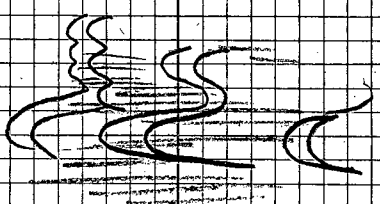
J84 Sericite phyllite, F_2 302 M/0-8 lin 302 M/h.
-500' E. there is a sericite phyllite → limey chert.

J85 Feldspathic massive greenstone

K95 ss - in small-med stream. The water tastes hard, probably drains through limestone. Most of the creek float is limey, sericite phyllite

J86 Limey sericite phyllite, light grey
F_2 axial foln 320 M/10 E
Isoclinal folding. 280 M/~3 E

J87 Photo taken of qtz sweats in folded greenstone shist



Aug 12, Wed rain / cloudy

J88 F1/12/8 - sericite phyllite on S. side of small dry gulch. Across in greenstone / foln transition zones to greenstone F2&3/12/8. Pencil-shale 240 M/h axes; general foliation is 010 S.

J89 Axes of 2nd stage folding 252 M/h with F_2 252 M/5 S a.p. Fm 345 M/10S and plane 252 M/10S. 2nd folding

in inclined

Looking 252 M. / h

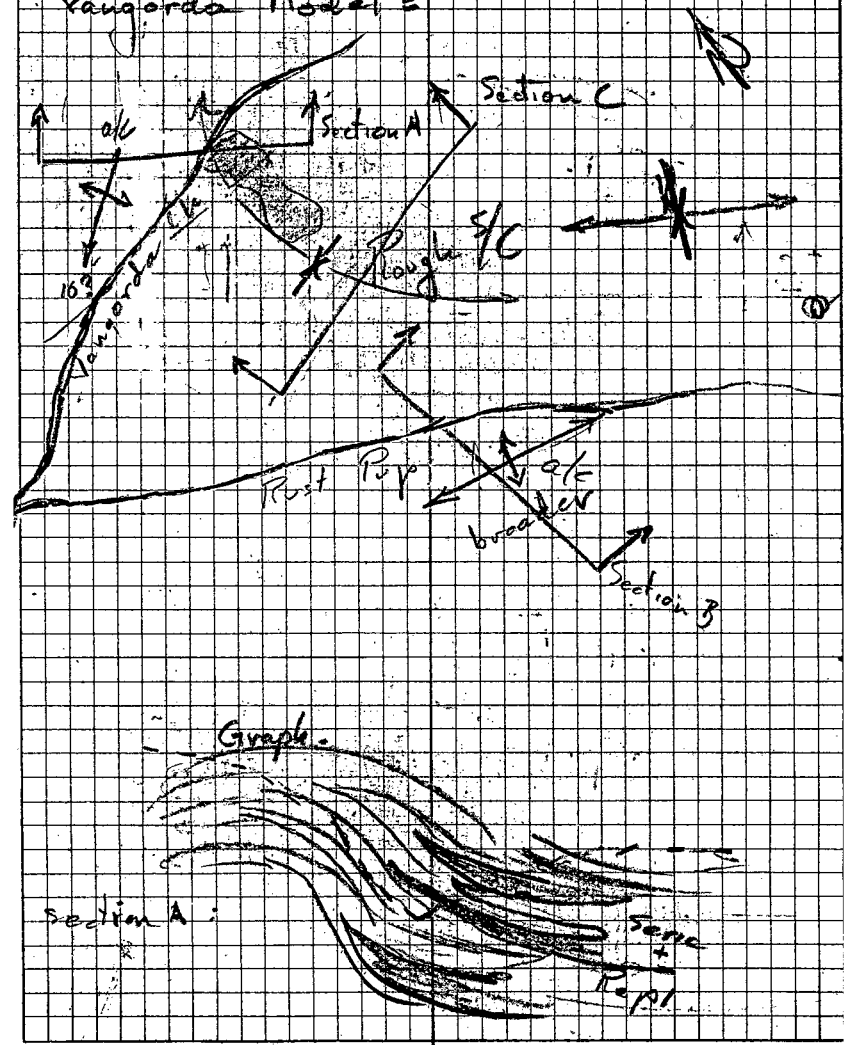
Greenish grey lms. phyllite

190 Graphitic phyllite Calcite . qtz sweats , rust . Crumbled mass

191 Mostly greenstone , but one small o/c F 4/12/8 looks like possible weathered porphyry. Also there is some light ochre weathered grey phyllite just previously as shown

Aug 13, Thursday — o/c

Observations on Kerr-Addison & Yangarda Model =

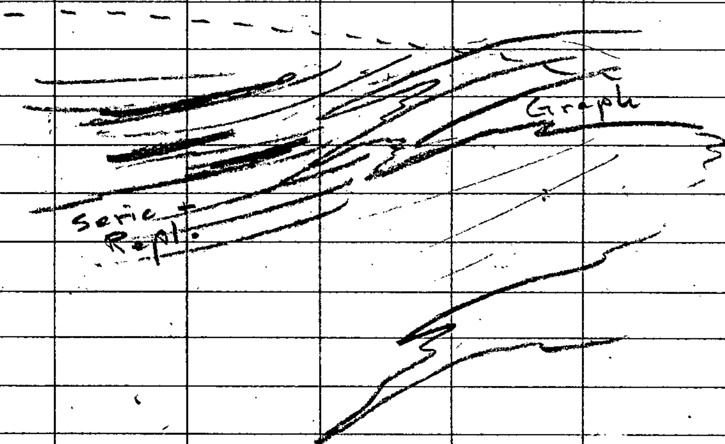


Graph.

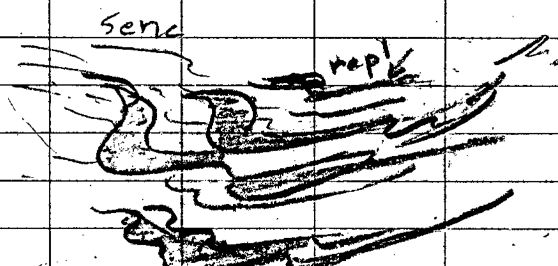
Section A :

52

Section B



Section C



check PDH 28

DDH 28

0 - 50 mud

50 - 60 porphyry with a breccia (fault-rust) zone halfway F4/13/8

60 - 64 sulphides incl $\overline{Py}$, gal. F5/13/8

64 - 200 graphitic phyllite with 60° avg F_2 (F_2 probably $\cong F_1$)

200 - 210 still steep F_2 (x 40°) in graph but drag folds (interbedding)

210 - 310 graph, F_2 steepens to 60 @ 310

310 - 391 end graph, $\cong$ 40° F_2

DDH 124

0 - 12 porphyry, muted, altered (clay)

12 - 32 altered (highly) sericite phyllite
Full of minty hardline fractures
Silicified

32 - 34 "Chilled porphyry"? - probably is an andesitic looking rock

34 - altered sericite phyllite - chlorite, silica, ankerite? Foliations not regular, but flat

65 - 103 possible fault

— Foliation to 40° @ 88°

103 - 115' at 103 - Qtz, Calcite-Dolomite, lenses occur. Rock highly wrinkled, altered with chlorite, ep?, adularite?, qtz, Ca, Siderite

115- Graphitic phyllite with Ca veinlets. Qtz intrusion. A few sections of former sls type. Fol. generally flat, though wrinkled

DDH 127

0 - 4? graph., rusted altered.

4 - 12? highly altered, rusted seric phyllite

12 - 80? highly altered graphitic looking material, brecciated, fractured, qtz fractures & sepl.

80 Around 80 it is starting to look less altered. Looks more like a dark seric phyllite

DDH 131

0 - 35 porphyry

35 - 69 brecciated, altered graphitic material in matrix, notes. A few sericite bands

69 - sericite (dark) phyllite, flat lying, crumbled

DDH 108

0 - 50 Quartz-rare altered rock + sulphides

50 - 53 Fault

53 - 78 altered gsaph phyllite ? - alt, sulphides, sericite

78 - 86 altered seric phyllite, sulphides, talc, alt

86 - 122 much alt intrusion in seric phyll

122 - Seric phyll, still altered talc alt, sulphi's, chloride

139 Fault

Foliation generally 40° but crumbled; irregular

183-184 Sulphi's in phyllite

Foliation decr. to 0-10 by 300

198–204 Possible zone of faults

211–225 More sulphides in darkish
sericitic quartzose rock – some graphite

225–258 Flat lying (0–15°) sericite phyllite
and largely calcitic

F1, 2/13/8 – "Sericite" Phyllites

F 2, 3/13/8 – "Graphite" "

Aug 14 move to Swan L. via Shrimp.
Gear at Blind Ck Camp still to go:

William Peter's personal	—	15 lb
Dave Barclay	—	10 lb
J. F.	—	15 lb
Office & rocks	—	20 lb

Aug 20

J92 F_2 90/20N
Lin 80/Eh.
Light grey, soft, fine grain crystalline rock - homogeneous. Possibly a silicious dolomite, possibly a greywacke Specimen F1/20/8
thin ~~...~~ interrupted laminae., a little rusty weathering

J93 Definite relation to former type of rock only more ~~sericite~~ talc, $CaCO_3$, a little chlorite, still a little rusty weathering

F_2 150/30NE
Fine lin. 75/25E
Crenulation 0/10N
Dragfolds W [sketch] ams E
~~...~~ relative to fine lineation
Spec F2/20/8

J94 Massive greenstone, high mafic

J95 Massive greenstone, high mafic with ll, pyrx. - serpentinized silicified

J96 same

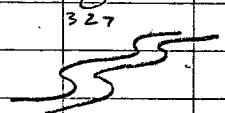
Sept 1

J97 - Graphitic phyllite - slumped, but probably dipping gently into the hill, Sp F 1/1/9 for magnetite content.

J98 Chlorite schist & coarse foliated greenstone
Bts 10/45 W 280/v
Fol 10/0-10 W
Probable contact with previous marked

J99 Quartz diorite band, high mafic
Bts 0/v, 70/v 95/62 N
Sp F 3/1/9 & F 4/1/9

J100 355/55 W F_2 205/52 in F_2
1 327/35 N Tim & small folds.



in a grey sericitic phyllite (sl. graphitic ?)
F 5/1/9
Just W of this (20') there is a v. f.g grey-black, coarse-foliated, quartzite? greywacke
F 6/1/9
grades to greenstone

200' Further NNE — probably greenstone but highly mafic, gabbro → basalt, altered, soft, m.g. Px X'ls —

Sept 2

no o/c; past D line

Sept 3.

J101 very rusty, limey quartzose sericite phyllite laminated. There is graphitic phyllite underneath. F_2 200/0-15° W.
Lineation? down dip?
Sp F 1, 2, 3 / 3/9
Contact concurrent with F_2

J102 rusty, limey, sericite phyllite; med. grey colour; slumped

J103 black (f.g.) quartzitic rk — silt rock?? (quartzite?)
rusty, blocky fctr

J104 rusty, silicious grey seric phyllite. (quartzite?)
210/60 NW F_2
F 4/3/9
Fctr 80/55 N with 1st qtz veins
260/60 folds, no sense of shear

J105 F_2 (= F_1?) 70/80 N — laminated greenstone — varying to black. grey weathered surface

J106 just below J105 on D24-6N a greenstone — massive, highly fractured. Spec F5/3/9 taken for magnetite content since mag. is anomalous above. shaded area is this type

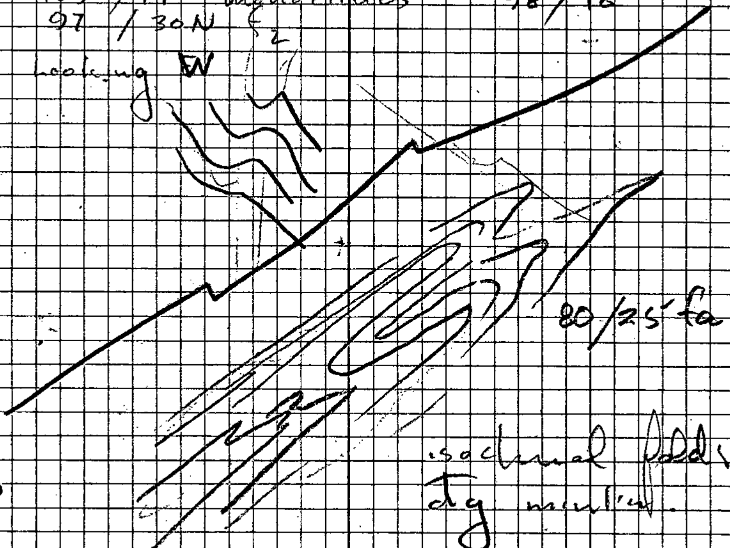
J107 black, argillaceous looking rock; silic blocky fracture O/v.

Sept 8

345/30 Lin Seric Schist

103/17 Monoclines 98/10
97/30N f_2

looking W



Qtz - Seric w/ altn

Oxidized mat'l sample taken

Pyrr Ti Cpy + Qtz in main regions

F_2 110/40 N

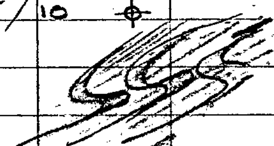
Sp F 1/8/9 all'n.

Sept 9

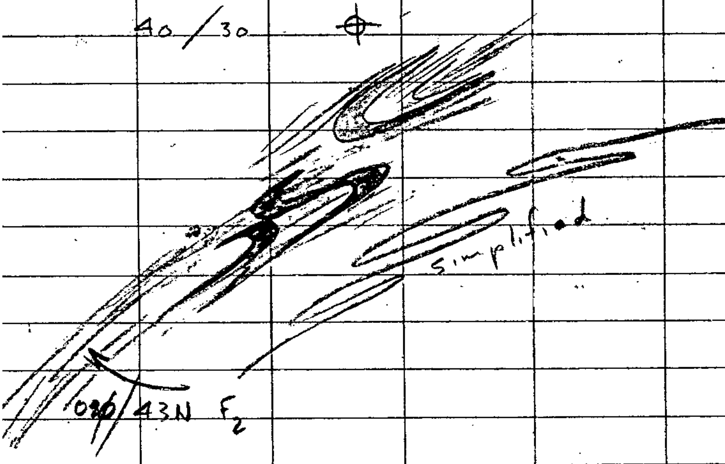
500' S of camp Foliation is
?, ? ~~340 / NE~~ in S.s.

300' S of camp Foliation flattens then in another 500 S varies to
95° / 34 NE. Here the creek bends sharply and there are some fold structures:

Lin 65/10 ⊕



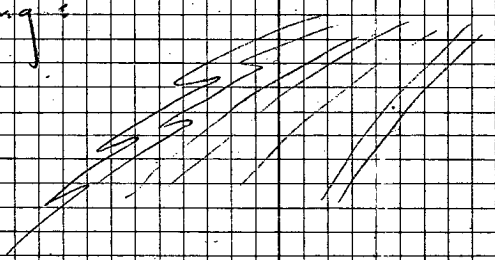
40/30 ⊕



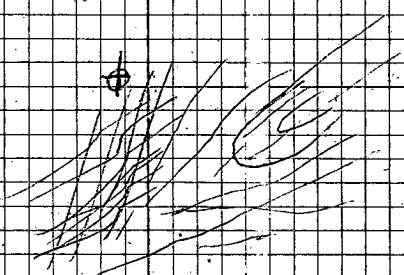
26 S E 94/38 N

Lin 104/3 Lin 060/15 + folds

This o/c is a few hundred feet S. in section of the last o/c making :



Lin 060/15



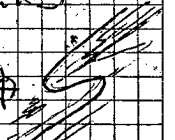
F-1, 2/9/9 (Spec of alteration)

Back to showing in ck.

Fault 30/035 - S of showing, not apparently much displacement.

F.A.- small accordions 78/26

larger folds (epidote) 92/12



F2 165/46 N = A.P.

Traverse towards hill from Shawinig

21.58	4.25	0	Both of us read 21.58
21.53	4.30	200	ss rdg's should compare
21.65	4.33	400	
21.74	4.35	600	Rough line blazed
21.79	4.37	800	
21.74	4.40	1000	
21.75	4.44	1200	
21.75	4.47	1400	
21.59	4.50	1600	Acc # 9? ss. in seep. 900' above camp = 4500'
		1700	Graphite schist edge of heavy timber
21.53	4.58	1800	
21.64	4.61	2000	110/50 N F_2 in a grey & white graph'l limey phyllite.
21.60	5.04	2200	
21.54	5.08	2400	
21.49	5.12	2600	Graphitic schist @ 4800' El. Top

Bearings from top of this hill to knob S = ~~S~~ 104° Az., 217 to another top on ~~West~~ W side Blind Ck

Trend of anomaly (~~East~~ N side of swamp patch on E ~~side~~ end anomaly) = 085

— Coming down from hill towards camp, in graphite schist for 600' feet El. 115/45 N Fol.

— 500' above camp 90/51 N in quartzose schist. Bearing 285° to peak previous. Another 400 horiz dist 55. Axe 10 in creek 060 direction of flow. Serie schist 104/34 N no lineation apparent. (320° to line Sept 7 #3)

— 400' E of this F_2 265/54 N in Sar schist 300/24 Lin 2 crinkling — not isoclinal

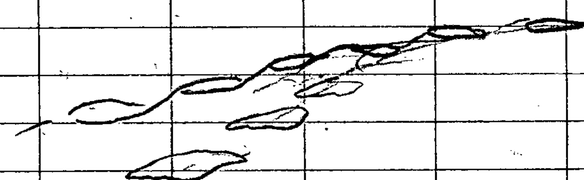
Sept 10

Starting from hill on E end of anomaly (El 4650) there is a black b.f.g banded and unbanded slate or chert $F_2 = F_1 = 20/12$ W

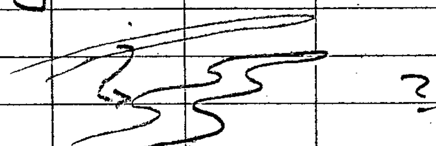
Sept 12, Fri

SS. Acc 13 from Gl. 5.00'
down main stream from camp ; draining
from E. On N side of the creek
the Sesie s. has an F_2 80/34N.
Quartz boudins and fold structure
have axis approx. 80/h.

80 ⊕



Suggesting two phases:



— 300' further downstream two spec.
One of high biotite (magnetite ?)
(F1/12/9) ; The other an oriented
spec. The av. F_2 is about 70/40N
The small lineations on the spec. run
the same as some concentric
low attenuated folds at 340/40

The larger crinkle's corresp to the isoclinal folds which average 55/10.
There is a fault @ 95/65 N probably with 20' dip slip on hanging wall

- 300' further downstream folding 85/4. (and 275/10 by warping) & Spec F3 & 4/12/9

- F5/12/9 @ peak of anomaly
F_2 70/30 N ; Lin 0/28
with small warps associated

- S.S Ace 13 - 600 N of anomaly peak in mainstream F6/12/9 here, F7/12/8 also of qtz in fold crest.

- At anomaly peak 320/78 warp axis
F8/12/9 here

- 600 from camp F_2 90/36 N Lin 0/36
Lin 85/3 probably previous

Sept 13 Sat
Biotite schist 110/20 N top of ridge
W end anomaly - move 116 in
Bob Chaplin's book

Sept 14
- ss. Ace 14 as marked.
- O/c just E of the 1000' is seric schist
F₂ 90 / 58 N Small fold (isoclinal)
axis approx 90/h.

- Approx 2000' E. of ss. Ace 14
ss Ace 15 - small trickle.

Sept 15.
- Where south location line crosses
The creek, the cliff on the W
side indicates flatter dips 90/22N
with isoclinal folds 90/h. The
rock is highly schistose, friable,
talcy. Some of it is limestone

Sept 16
- at anomaly peak in Ace 18.9 h Ch.
another spec of graphitic ~~talcy~~ serpentinized
rk - no lime) F 1/16/9
- 300' south of anomaly peak there
is an o/c that may be slumped but
there is an indication the bedding
may be 70/34 N where the foliation

S 40/29 N

- another 100' the rock appears blacker, more serpentinized
- 500' further downstream:

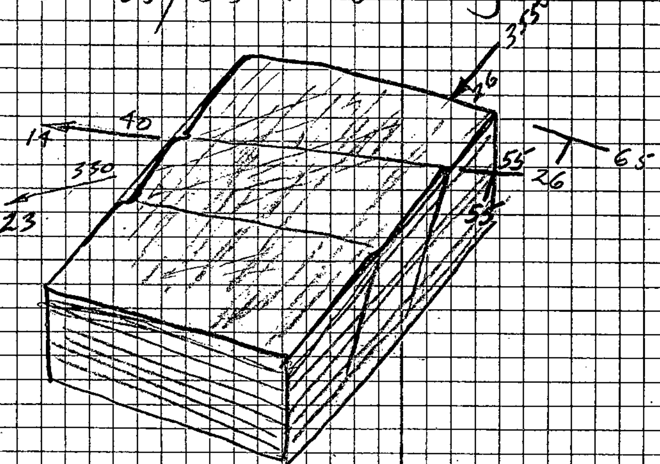
F_2 65/26 N   Lin 40/14 (crinkles)

in black serpentinized sh ? (graphitic)

(F_2/16/9)

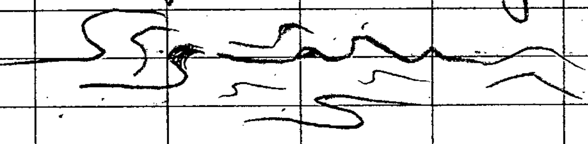
Lineations, fine 355/26, 330/23

Again, Remnant bedding as old fracture filling gives a Fol. at 55/55 N

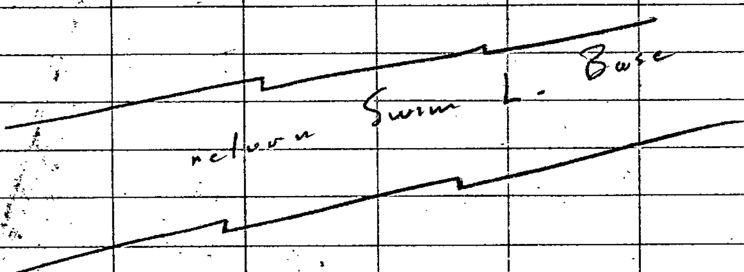


Chloritization often occurs with qtz sweats, stringers

On N loc line, W side Ace High
Ck. General F_2 foulded up with
330/42 sa folds. looking ↑330 =



Rock is highly serpentinized, talcy,
black
av. F_2 is about 75/40 N.



Sept 18

BETA GROUP

- Climbing up from camp, there is no o/c, probably deep glacial overburden until the edge of the heavy timber is reached
- J108 sericitic phyllite - dark grey to black chlorite + biotite? non magnetic, maybe dolomite

Sept 20
J 109 - seric sch, rusty partings
30/25 SE F_2, 103/10 Lin

Sept 21, ~~Sunday~~ Monday
J 109 - 70/10 Lin
J 110 - 75/45 S F_2 in biotite garnet schist, highly schistose and lineated (X'l) in 145/35

SHRIMP LAKE & CK.
GEOCHEMISTRY

Sept 28 — snow on ground.

Start from SE end Shrimp L. on lower line.

K200a (b not taken) sandy grey "B-like" horizon on top of A horizon

K201 silt in drainage channel in graph. schist. Schist is highly folded a-p & overall F_2 is 110/22 S, with shearing N over S. (down). Axis 128/16 (3" amplitude folds)
Folds tight, fractured, not rocky
Sample @ 1000' deep humus A $1\frac{1}{2}'$
Thin grey B layer for K202

K203 B grey horizon 323° from pt
K203 " 322° " "
(1000' ft intervals)
K204 " 329° " "
K205 "

From K203 on the rock type is a light coloured soft vert F_2,

greenstone → chlorite schist

The ~~elev.~~ of ~~the~~ the ~~dune~~ above the (Swamp?) valley is probably about 500'

@ K205

K 206 Grey B 332°

K 207 " (permafrost) 334°

K 208 " ———— 339°

K 209 " ———— 341°

K 210 " ———— 346°

(travelling more downhill)

K 211 darker grey B 352° SpF?/28/9 float

(edge of flat)

K 212 grey B. 002°

500' from K 212 Posts:

#1 66648 & 66649

#2 66712 & 66714

K 213 grey B in permafrost 008°

J 111 Talcy dark grey sericitic schist ("pencil shale") (+ graphite?). Concentric folding but a.p. cleavage started. Two pictures taken

a.p. F_3 ≢ horizontal

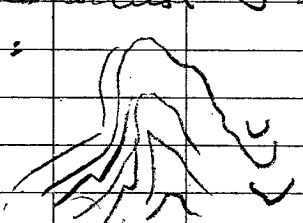
axis 352 / 0 or very gently N.

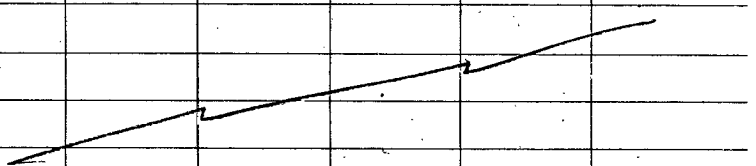
av. F_2 (= F_1?) vertical

Sp F3/28/9 Taken, probably quite wrong -
This o/c is probably near the crestal region of a large fold - it looks like crabbing that would exist in the crestal region.

J112 Sp F2/28/9 of greenstone 1000' W and up hill

J113 - intercalated grey limestone and chlorite schist / 335/h axis to fold:





DY GP E. of BLIND CK.

Oct 3

J114 - sericitic, chloritic schist crimson to rusty partings, ‖ Lin 70/N F2? slump? 70/10S

200/45 W Jts.

J115 - K-A's DDH on Swim Ck

Bearing NW Hip Swim L. 087 085

Two sludge spec. F1/3/10

probably oily (L 29 W)

A Second DDH site unused at L65W

Main Highway Bh 2 58 W

Gravity line cut @ 025

J116 Grst - limey F2/3/10

J117 Old trench - Sp's F3/3/10

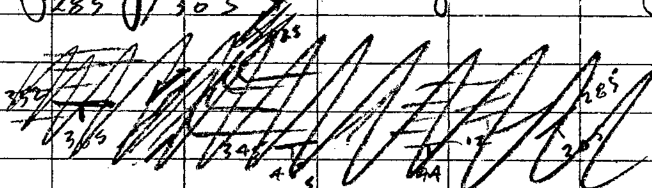
The rock appears cherty in part, light green, highly quartzose, Py, MnO_2, Fe_2O_3, coarsely foliated, probably a hornfelsed rock; some quartz X'ls, some black chert

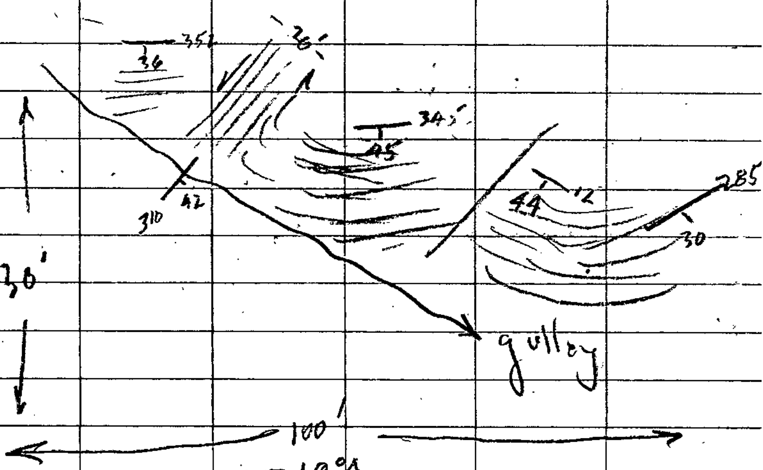
245/45 S. F2 295/36S 300's to gully

J118 3/52/36S - hanging wall

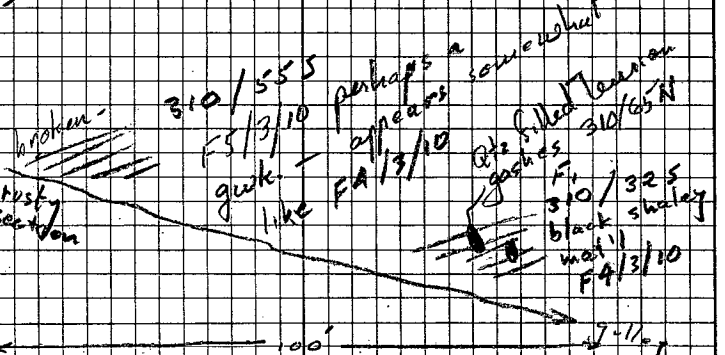
345/45 S. - footwall F2 in argillaceous mat'l, Major normal fault 310/42 SW with dragging in footwall

The fault gouge appears highly carbonaceous - graphitic - black. Talus breccias.
Since the mat'l appears argillaceous cherty; also there are uncommon bands; ∴ the F_2 is probably = F_1
J_5 300 / 54 SW
(Siderite, calcite present)
012 / 44 W F_2 further down gulley & then swung back again
285 / 30 S





J119



Black shaley matl is not unlike some of the rocks @ J118; which in turn is probably rel. to J117; which in turn is very much like black argill. matl on the hill to the SE

Silt sample # K214

Oct 4.

J120 Cherty argillite - red ferruginous and light green chloritic [illegible] F1 vague 100/305 F 1&2/4/10

South 500' red dust dominates F1 80/335

J121 grey argillaceous cherty matl

J122 " (highly quartzose) F1 100/355

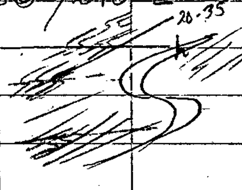
J123 "

Oct 6.

Pit @ 32+00 W on Race Line Sea Gp. - Rusty
seric. schist - flat attitudes - Hfo-Si /
float.

J124 - O/c @ 13+00 S on 10+00
line (The old base line
intersects @ 32+00 NW)
Basically a sericitic schist,
it is biotized (hornfelsed ?)
and there is a large proportion
of quartz intrusion. Partings
can be highly rusty. Sp F1/6/10
for line.

J125 - O/c @ South loc-line F_2 avg.
90/20-35 N F_3 a.p to drag
on horiz plane. Axis of folds
60/≈10 E



in a seric schist
with rusty partings
some biotite, pyrite

Felsenmeer from the S end of

Due 10+00 to the pt indicates the same kind of rock.

SUN GROUP & AREA

Oct 8 El Vangorda Cabin 4000'

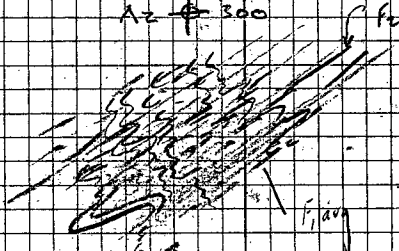
On B.L.A → 25+00 S (marked 25+00 E)

Sericitic schist, rusty, limey slips

F_2 300 290/35 S

F_1 avg 300/58 N

Lin ↓ 300/h.



300' SW sheared, foliated, greenstone; previous o/c is overlying

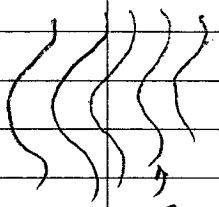
Position is about 500 W of PV 23, bearing Vangorda Cabin 109

Approaching the open grist bluffs, chloritic schist, perhaps steeper attitudes intervene.

1136 At the SW side of the massive grist; There is a highly limey, soft-grey (to green) rock

F_2 310/V. Sp F1/8/10

310 Az ⊕



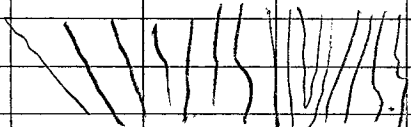
F_1 or F_2 ?

CL. 21+00 "E" (N) to 20+00 on Top of hill in Blocky granitoid

360' E of CL the grad. has an Az 345° / 15° SW F_2

J127 - grey lamey sk - grad intercalation

$F_2 = F_1 = 310/V$ ⊕



X-Sctr - calcite Silled 65/65 NW

J128 Blocky Grad

J129 Blocky Grad

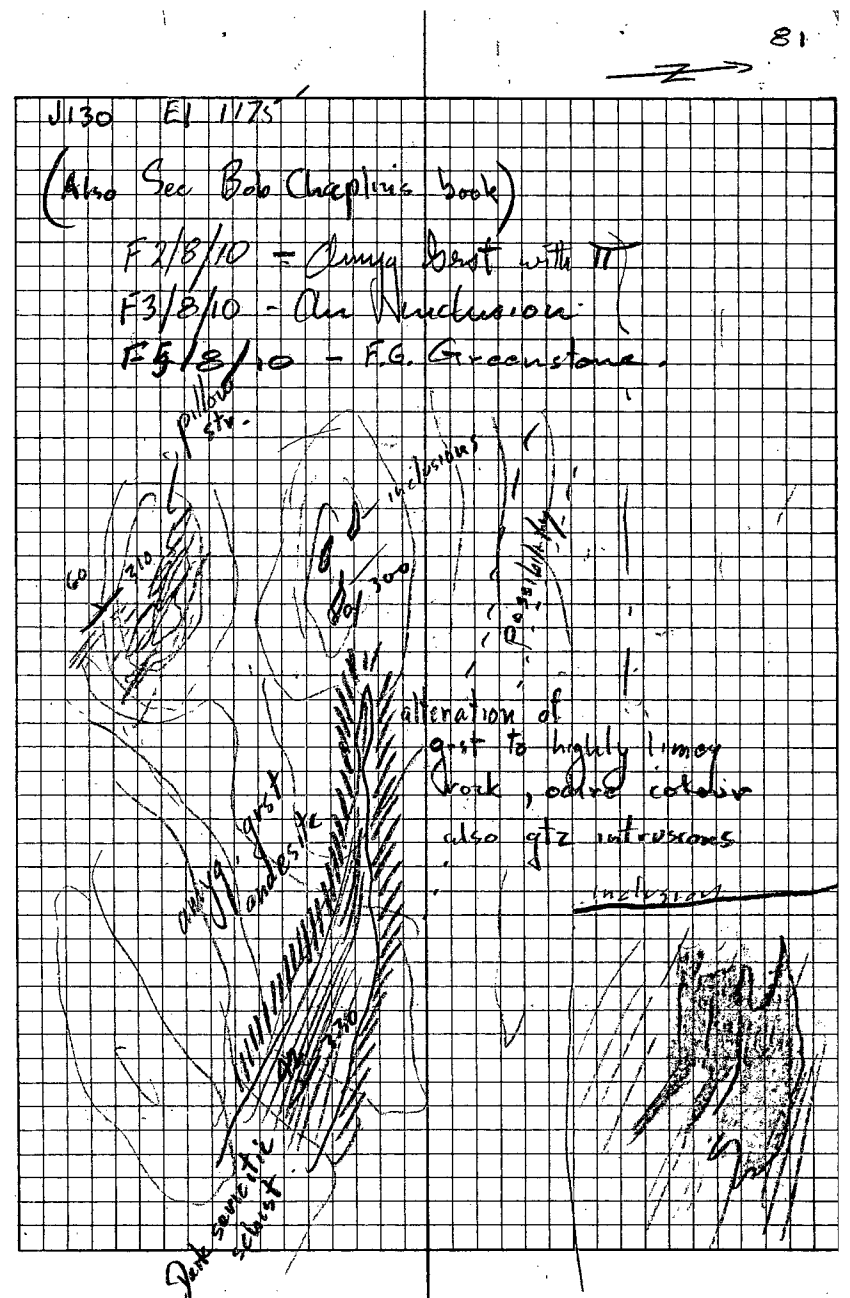
J130 El 1175'

(Also See Bob Chaplin's book)

F2/8/10 = Gneiss Grit with π

F3/8/10 - An Inclusion

F5/8/10 - F.G. Greenstone.



J131 Greenstone — appears tuffaceous
340/v Jts F4/8/10 Sp

J132 Gr S. Dark sericitic schist 300/50 NE F_1

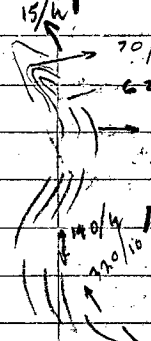
J133 ~~Gr S.~~ Dark sericitic schist

Oct. 9

J134 Graphitic schist

① Folds 70/30 axis 62/3 86/5
140/h 323/10 – ap 317/20 NE
17/h
F_2 avg 320/15 NE
Lin 120/14
Fold 140/20 330/10
– 140/ folds will warp around 70/ folds

ie:

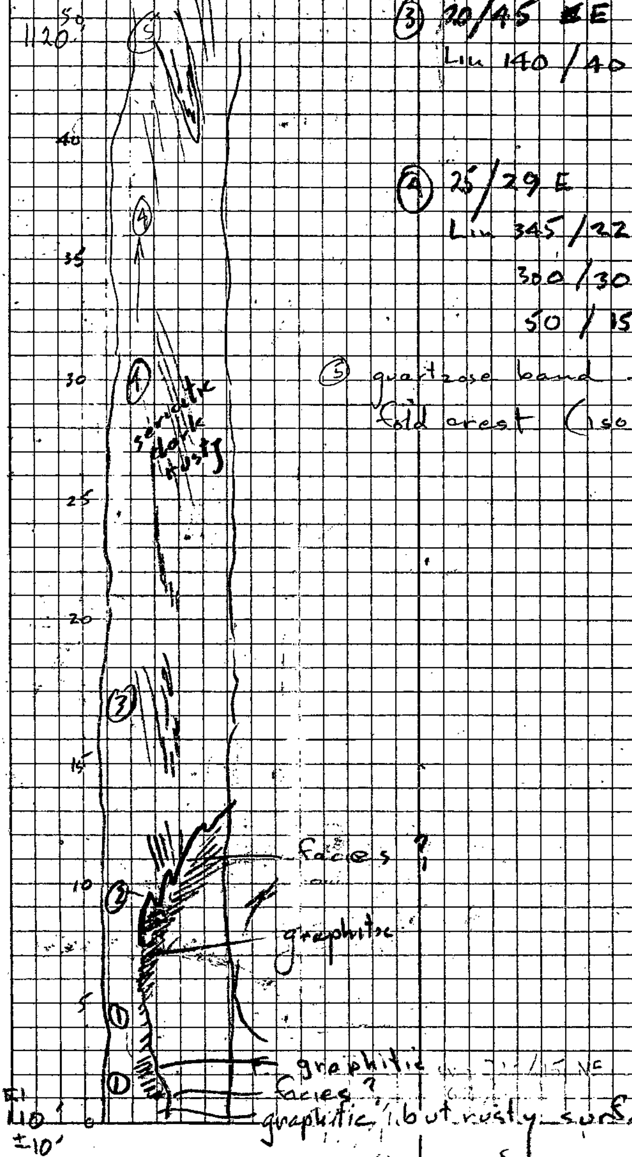


② axis ~~40/25~~
ap 130/25 NE Sp F2/9/10

③ 20/45 SE F_2
Lin 140/40

④ 25/29 E
Lin 345/22 S
300/30 SE
50/15 NE

⑤ quartzose band – may be fold crest (isoclinal)

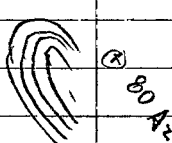


Scale. 1 □ = 1 ft²

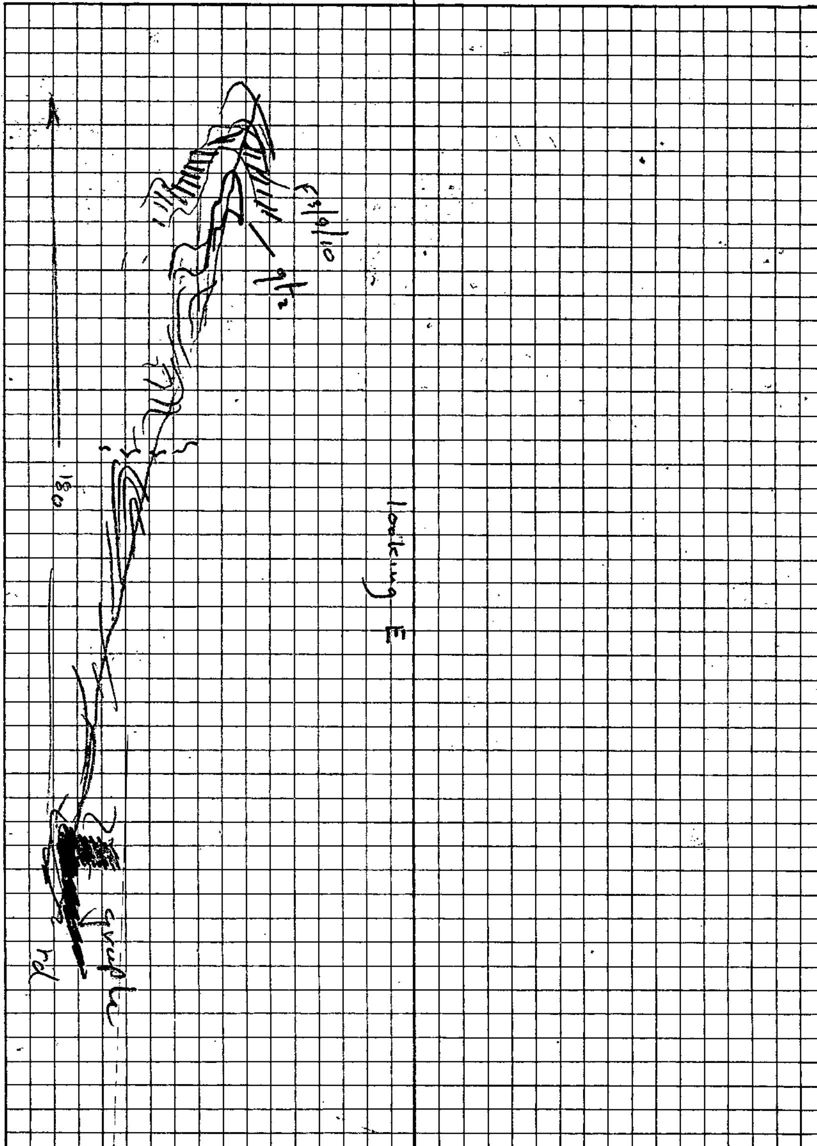
@ 150' dark sericite with rusty partings
F_2's 36/28 SE 22/22 SE 10/24 E
Lin 98/19 on 22/22 SE surf.
182/15 " " " " (earlier).

@ 160' Fold 180/25 fault 90/S. N
F_2 105/22 N →
Lin 80/37
F_2 355/37 E →
intraformational
This fold makes it appear that the $F_2 = F_1$ in attitude

@ 170' Fold 80/N



@ 177' 320/7 Lin penciled dark sericite
@ 180 quartzy massive
@ 190' change to dk. sericite qtzose. F 3/9/10
F2 15/22 E


looking E
180
9/10
9/2
rd

86

Oct. 10

J135 132/15 SW F_2.

Lin 315/10 22/h to 150°S.

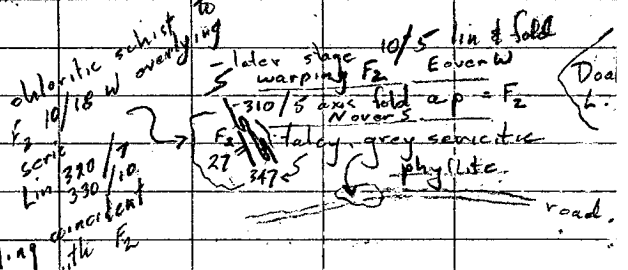
Jts 115/v.

046/s to v

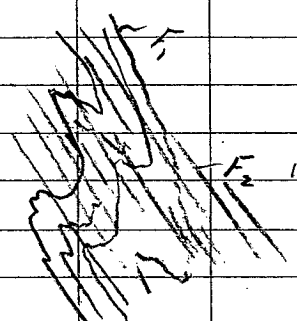
Carbonate films along jts?

Sericitic phyllite

J136



J137

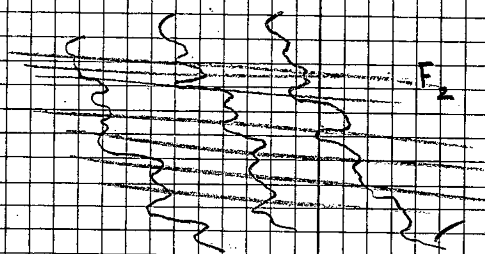


S.g seric schist (sl. chloritic)

some limey, leached + qtz intrusion

Note From J136 → J137 foliation was undulose variable seric schist, some ochre coloured.

J138 Black talc ^serie^ schist highly folded
F2 120/20SW (≠ a.p. to folds)
Lin + fold axis 135/h to low SE



Sp F1 F2/10/10
See Bob Chaplin's book.
PV 24 silt taken here.

500' N. – qtz intrusion in graph. schist very rusty

J139 – light talcy serie schist F2 m. S.
F1 S S.

J140 – graph. schist intruded by qtz, rusty
F3/10/10

DDH's 168, 169, 170

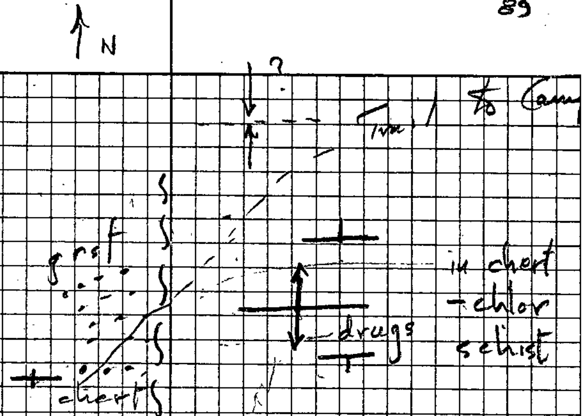
J139 & J140 may be separated by a fault // F1 planes.

J141 075 / 5 E axis to large crumple
in limestone — quartzose — mafic rk
probably a calc-silic hfs or shale
In a sub-gneissic sh. (Bob Chapl
the ~~biotite~~ fol. 345 / 20 SW

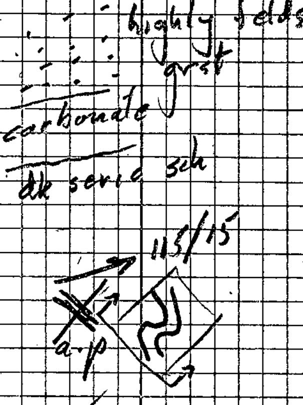
Trachyte or granitized rk ~~[illegible]~~
fol'n ~~[illegible]~~ E-W / ≈ 15 S.
Sp F 4/10/10 for thin sections
There may be augen or deformed
felds. contained.
The ~~[illegible]~~ trachytic texture
generally corresp with the F_2
of the S/F, i.e.: could be granitic
sed's or could be trachyte sill
injected along weakness of F_2 plane
Some of it becomes aphanitic, felsitic

J142 F 5/10/10 impure quartzitic
phyllite.

J143

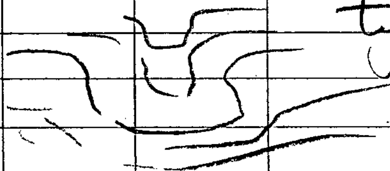

N
?
grst
chert
drags
in chert
- chlor
schist

J144


highly felds
grst
carbonate
dk seric sch
115/15
a.p

- 222 M / ī 10 f.a. in flat
~~lying~~ lying dark seric
schist. highly altered
leached to a gossan
cap (y. + ochre colour)

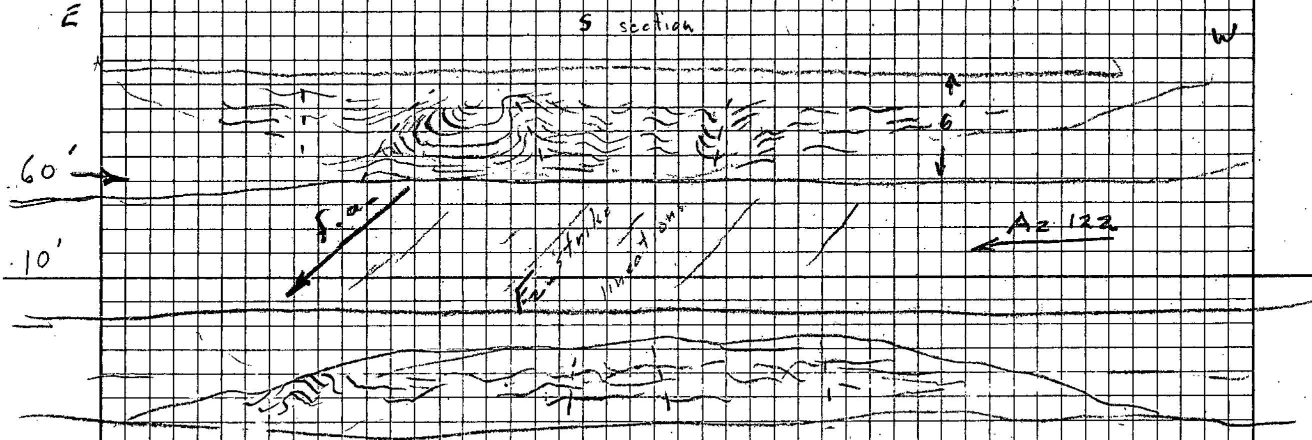
type fold



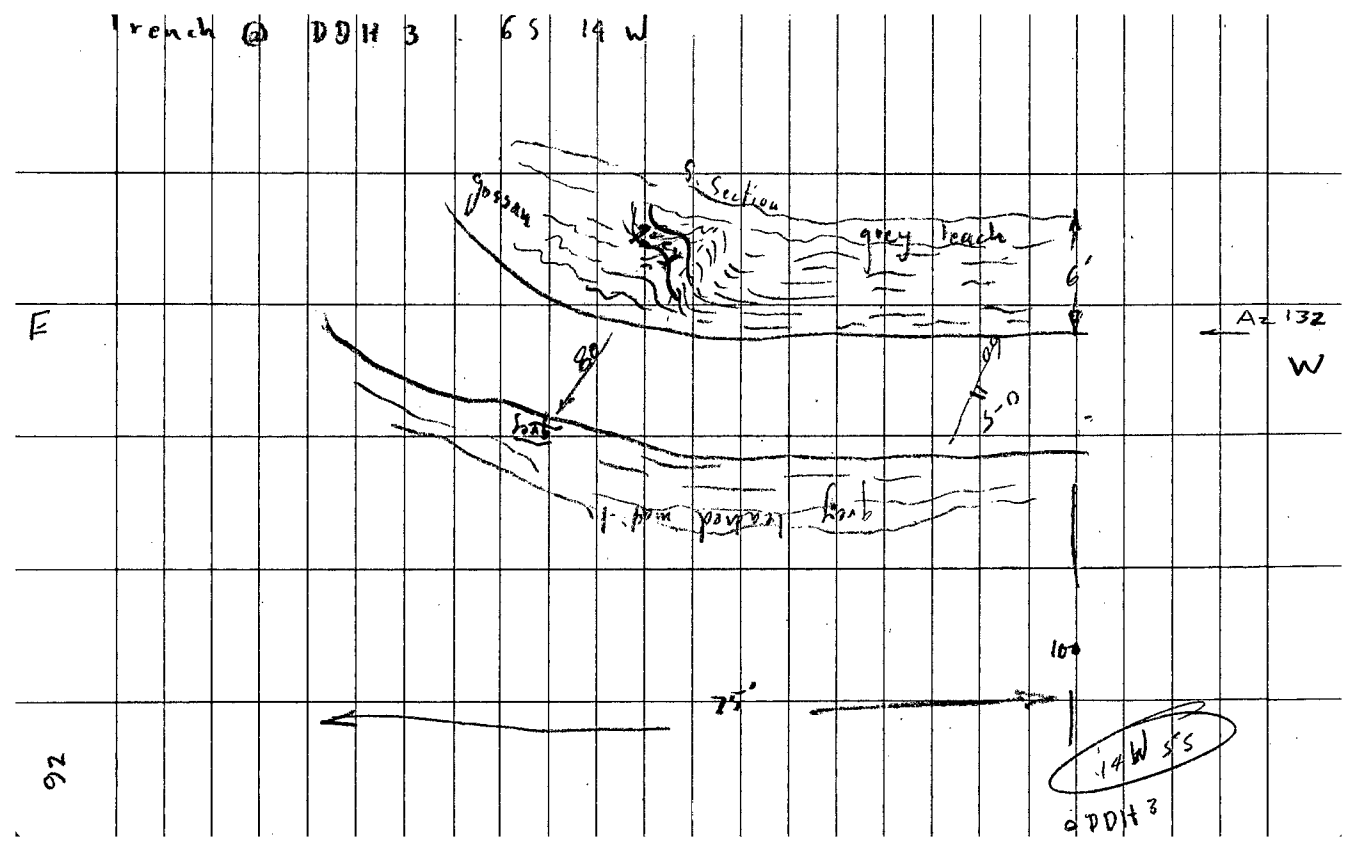
2' grey leached
4' gossan

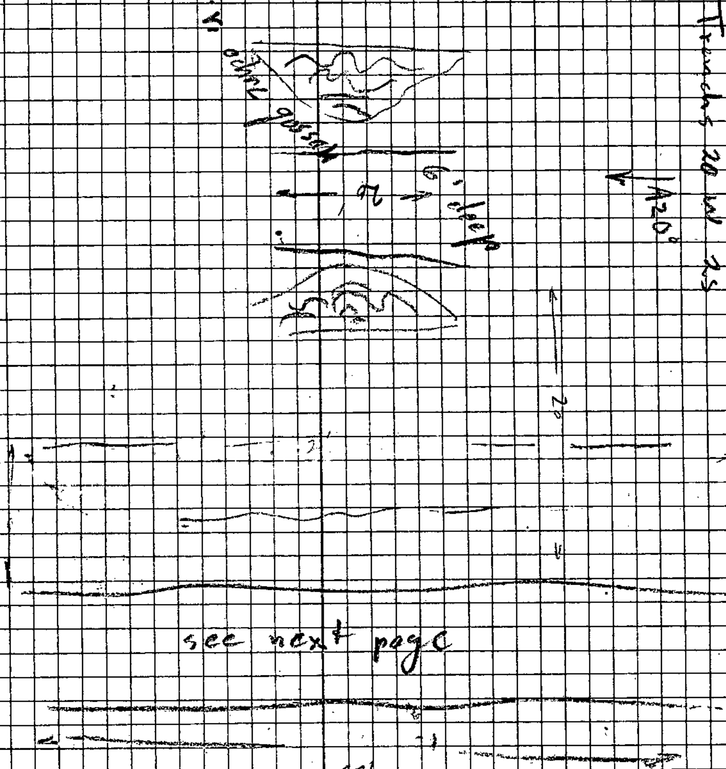
- road to 200N 2300W - swamp sump

Trench by DDH 2 2400W 200S

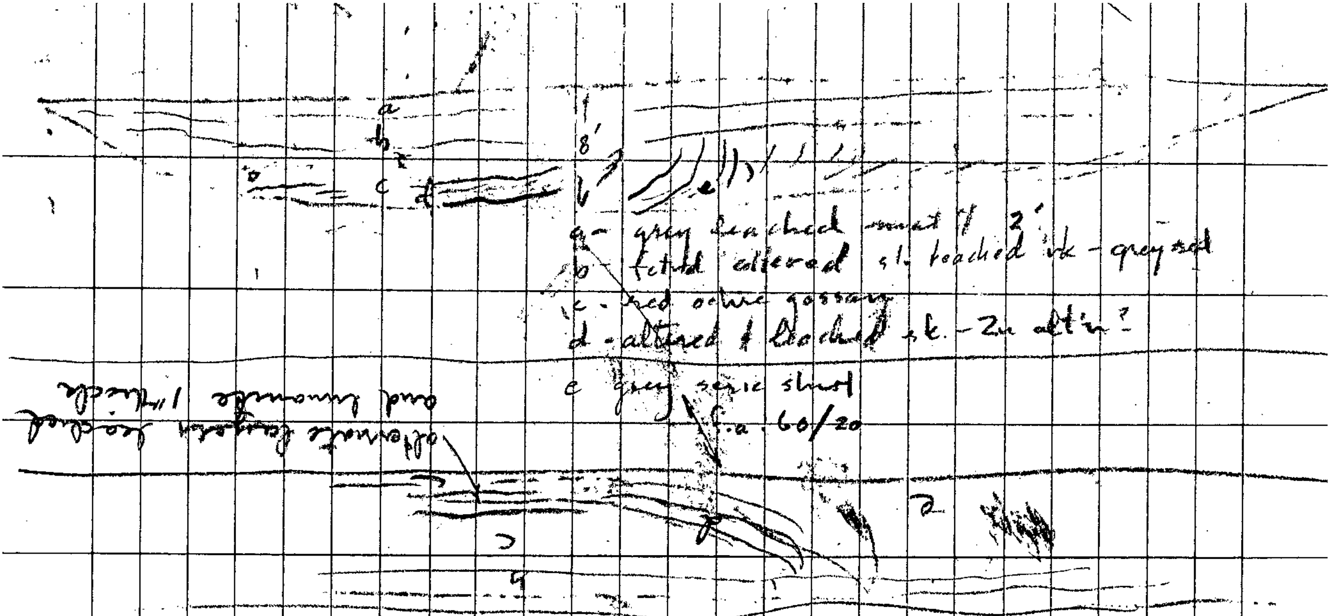


Trench @ DDH 3 65 14 W





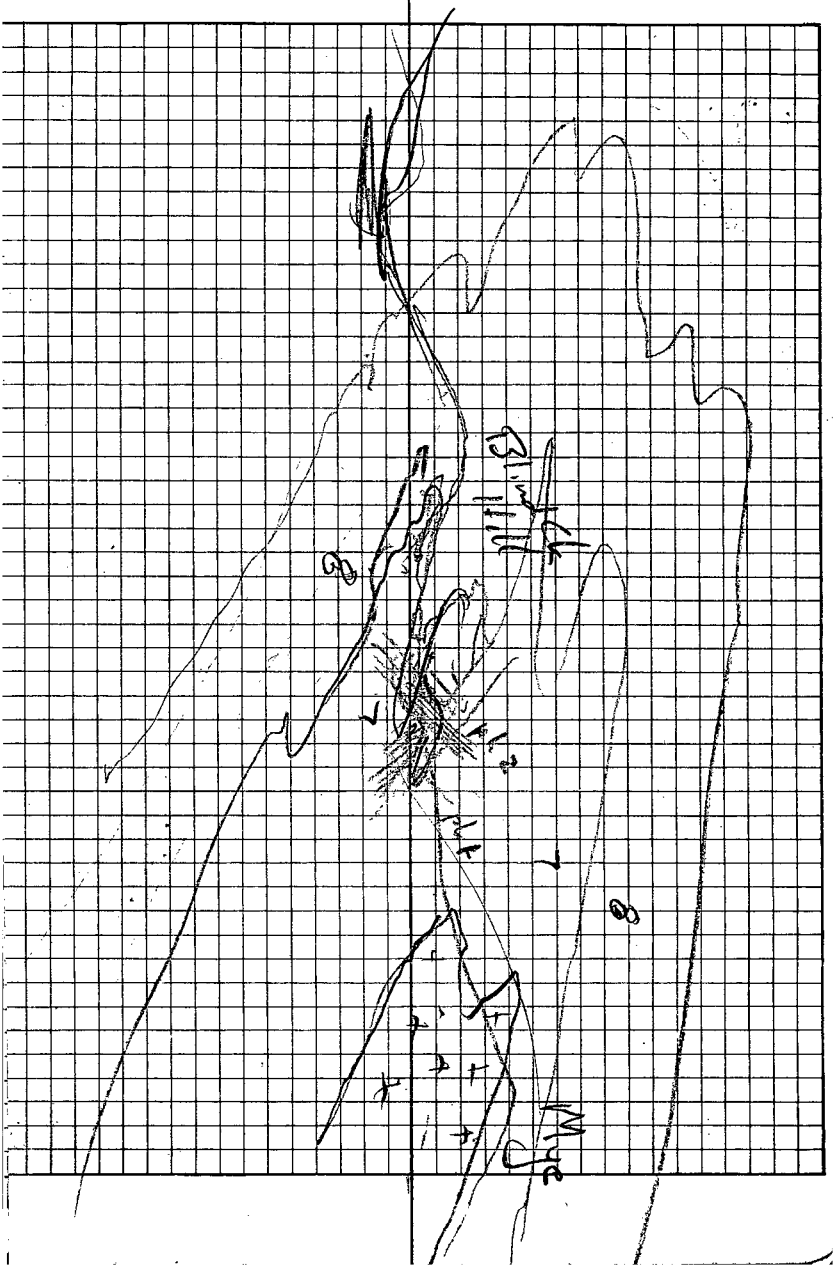
see next page


a
b
c
d
8'
a - grey leached ... 2'
b - fetid altered sl. leached rk - grey ...
c - red ochre gossan
d - altered & leached rk. - Zn alt'n?
e grey seric shist
f.a. 60/20
alternate limonite leached
and limonite 1" thick
c
a
e

Pace & Compass of Road from Forks

#1 & #2 Drill Sites towards camp.

1	190	–	30	
2	215	–	50	
3	260	–	70	
4	285	–	70	
5	235	–	32	
6	240	–	40	
7	246	–	84	– edge of burn line 48W, 85
8	280	–	144	
9	285	–	270	
10	256	–	51	Bearing 229 N end of P. Lake
11	225	–	70	Rd div to Polly 72 W 55
12	287	–	280	
13	318	–	67	
14	280	–	76	
15	295	–	75	Div to Finger L.
16	288	–	75	~~[illegible]~~ to stump.


Bluff
Mine

110
Sea

81	90405	
82	90406	
83	90407	
84	90408	
85	90409	#1 & 2 ✓
86	90410	"
87	90411	"
88	90412	"

no tags for more

Sea F

9	90421	
10	" 22	#2 #1 ✓
11	" 23	
12	" 24	
13	" 25	#2 #2 ✓
14	" 26	#1 & #2 ✓
15	" 27	#1 & #2 ✓
16	" 28	

Mt Nansen:

Mt Nansen Gold Mines – Peso – F.A

Mt Nansen Mines – Dickson, Thayer b

Brown McDade. – Peso. Thayer lund

Mt Nansen Central – Thayer Dickson – F.A

Mt Haldane:

Under option to Silver Titan

Peso has to spend 110 T$ on S.T. prop

To get 60% interest in S.T. prod.

Delavean does heavy metal geochem on intrusive masses – has written a paper on the correlation of this with ? mineralization – Memo

To submit a suite of rocks (porph and Mye granites) for free determ'n

Density & susceptability tests

112

1500 × 1500

75
15

2,250,000

700 1590000

1,575,000,000

~~528~~

5300
5300

26500

28,090,000

```
      56
28 ) 1575
     140
      175
      168
        7
```

Geology — N.Z

Alfy Allen — South Pacific (unlisted promotions — Ramsey (bay area) capital of San Francisco)

Book on Mineral Deposits of N.Z around 1900 — B.C. Yukon Chamber of Mines Library in bookcase between Tom Elliot's office & May Martin's desk

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Technical Analysis of the Stock Market — Edwards & McGee

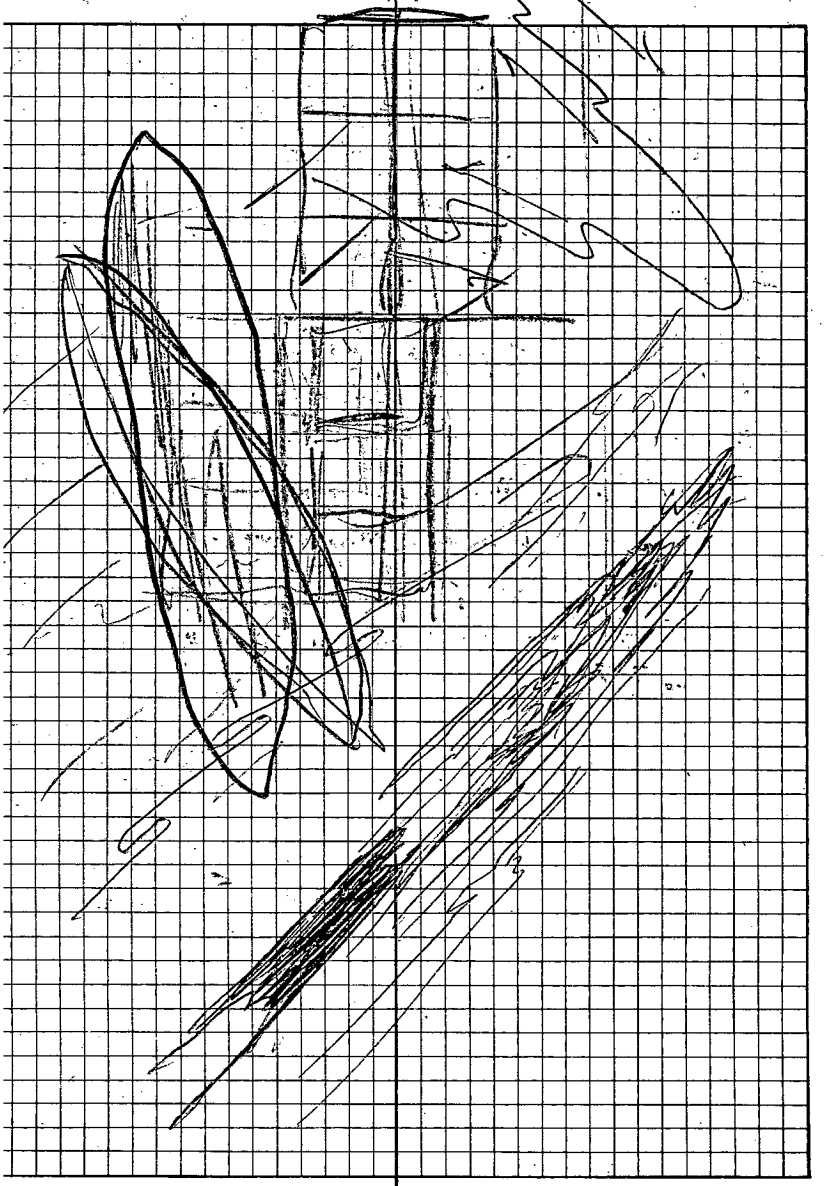
Dempsey Tegler — Stock Market Analysis

by ticker tape 7:30 @ Dougherty
phone Channing @ 7:30
New York & Toronto av. ?
Volumes ?
Dempsey Tegler ?

Baron's — New York
Index's etc NY & Tor from Brokers
Peter Hondrasyk @ Merill Lynch for London metal market & commodities

Graph!

		missing
F 1/20/6	- granitic	
F 1/22/6	- ~~standing~~ Gp & Sk	—
F 2/22/6	- gal & sph. & Sk	
F 3/22/6	- ~~—~~ " & Sk	—
F 1/28/6	- oriented spec	
F 1/1/7	- G in seric ph -	—
F 2/1/7	"	
F 3/1/7	- Si grst or qtzt ?	
F 4/1/7	- limey seric	—
F 5/1/7	- M. g	
F 1-9/2/7	- Makdchute, chert, breccia, aragonite	F8, 4/2/7 — —
F ~~1/2~~ 3 1/9/7	limey chert	
2/9/7	mineralized, grst.	
3/9/7	"	



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Notes on Line-Cutting

BL A, B, C, D run on claim line reference

BL E, F run on Tie Line 30S

All Base lines started at 0.

T.L. 30 & 90 Started at Claim Posts.

T.L. 0 & 165 started, started on BLC reference.

Average length of chain has been 103', I rechecked for & 90SE line which is correct.

Line Cutters Log

Arrived Blind Clk camp July 20

July 21 John Ollie, George Sterrah, William Peter, Robert Etzal — 4000 ft

July 22 all four, camp building, packing grub, etc.

July 23 John, George, Robert, William packing timber — 5600 ft

July 24 5100 ft BL A (mi)

July 25 rain like H. - no work.

July 26 8600' BL B

July 27 8500' BL B

July 28 8000 BL A

July 29 6800 30 SE

July 30 7700 30 SE

July 31 8500 BL D

Aug 1 6000 BL D

Aug 2 8300 BL D

Aug 3 8000 TL 30 SE

Aug 4 3000 TL 30 SE

Aug 5 11,500 BL F & TL 30 SE

Aug 6 8800

Aug 7 8500

Aug 8 9 6000

Aug 10 7,500

Aug 11 7,500 TL 0 cache

Aug 12

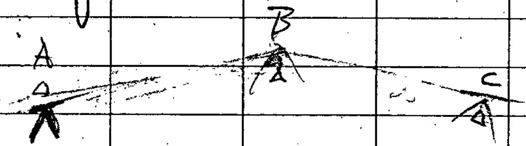
Aug 13 work in camp

Aug 14 moving

John Ollie
George Sterrah
Robt Etzal

meat
bread
potatoes
fresh onions

Freeze Dry
Bill's Snowshoes
Fuses & Caps KA



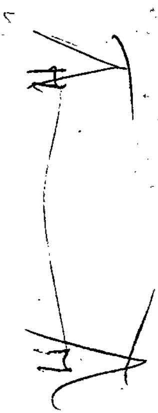
Flashlights

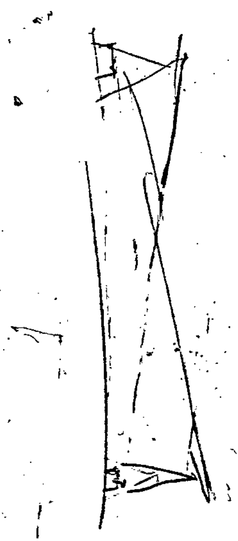
22 - Main camp to Swim
- Gordon to Wht.

Aug 1 Main camp to ~~Sh~~ Dy grp.

Aug 14 Blind Ck → Swim;

Sept 15? Choppers for Jeff
Do we want to split?





.37 — 90

37 — 116

34 — 12

19.995 Mc/s - Russian Satellite

Geol. T.T.
Bolivia
5+ yrs. experience
Spanish 2
Personal Data
Resume Professional Record
3 references

Physically fit for high alt."

"Prospection Limited
2001 — 80 Richmond St. W.
Toronto 1, Ont."