DAVE
COOMBES

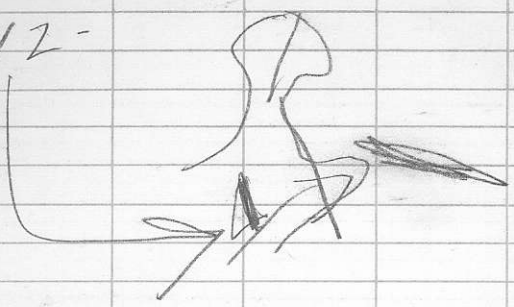
Highland Valley

Cruisers Transit Book

No. 340

1971

4/18/12-



This traverse

12 - 43

Green to gray f.g. volcanic

+ + siliceous sediment
+ 35/40/1,
upper surface - rough,
not continuous

Green Porphyry pink plag
+ V. hig in Qtz - some
nodules ½" across.
L Breccia - sample 10-43A

dm about 100 ft.
vertical - in
same rock types

another 100 ft. - still
in a breccia - green play.
Porphyry matrix, but the
fragments are smaller, darker
cherty things.

Now in area of well
- developed joint faces.

120/50/2
150 → 180/90/0
- 000/0/0/0

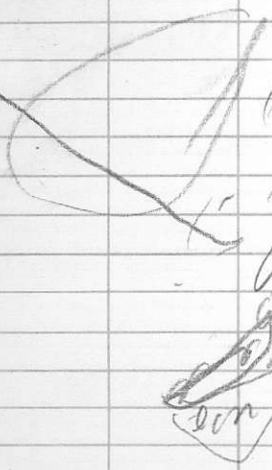
100/85/1 2/1 2

162/90/ 0/ 2/ 1

45/20/ 1/ 2/ 2

V. coy Sharp chonks

above breccia, greeny plag. porphyry, thin siliceous green rock ~~gave~~ with mgo-dendrites.



O — Porphyry

Plag tasky in siliceous green matrix surrounds small dark fragments — not sure if pyrite

Right after previous,
to lighter-coloured breccia
with larger, and in
a greater proportion
of foreign. These are
also lighter, siliceous
things - metaseds?
than 25 ft above
that, a breccia with
most of the material
forming chunks of siliceous
light and dark porphyry.

Cliff
(— Brown weathering
porphyry Fe_2S_3?
over top of that, 10-43-C

Above this (and this takes me to the bottom level of the trees.)
there is a light colour breccia, of digested fragments, or 70% cherty things, 30% dark slag porphyry loaded with pyrite - great clots

Joint 12/60/1/3/2
105/70/0/3/2
5/43/2

Just below this section there is a sediment gossan - runs further up slope however.

Lost sediments
- are now in
grey porphyry
siliceous in aph.
matrix clusters

feldspar xtals

section covered by talus

Grey porphyry
- large phenos
of plagio

- Grey pebbly small phenocryst play.

- Grey volcanic - similar to previous matrix clasty in app.

  Grey clasty just to Brunton!!

recovering "lost" Brunton compass

- dark porphyritic (10-40)
- over dark porphyritic query - blue (10-40) banded.
- Chip samples of Going down - does not hit dark

porphyry, although
rock gets darker
+ has large pyrite
dots in it.

- across fault
30/60/1

Same rock type
on other side.
50 feet in all. ↓

Then pale gray
translucent rock with
small fine mafics,
white xstals, +
~ 8 feet thick
then DK green +

Black Rod

grey legs

0/30/1/2/2

115/90/0/2/2

00/58/2(E)/2/2

Bedding 25/42/1

- grey rock again

~5 - 8 ft.

then rock

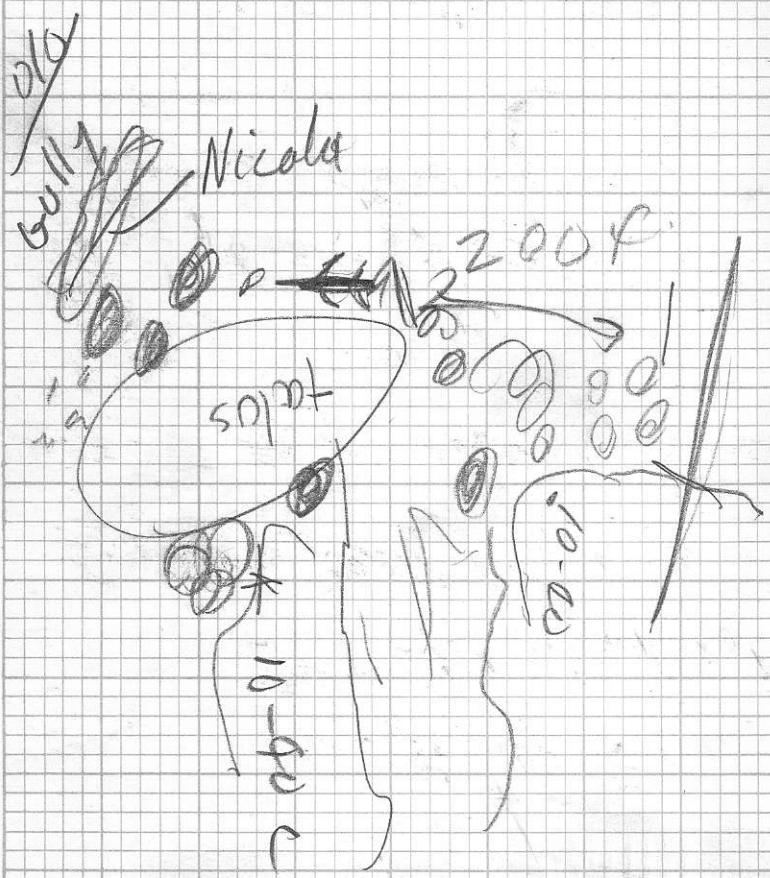
resembling like

granite - Duke?

— is putsch!

aplites, epidote/quartz

and others. (KSpar


Nicola
2004
Carlos

10-40-c

164/ 76/ 1/ 2/2

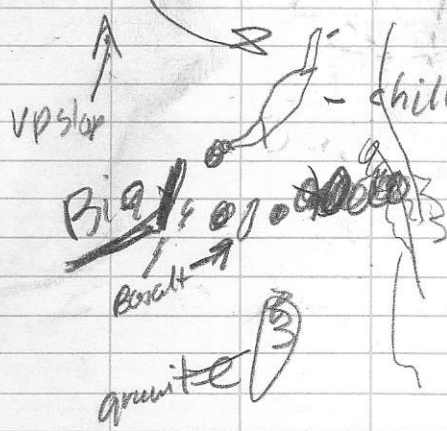
70/ 75/ 2/ 2/2

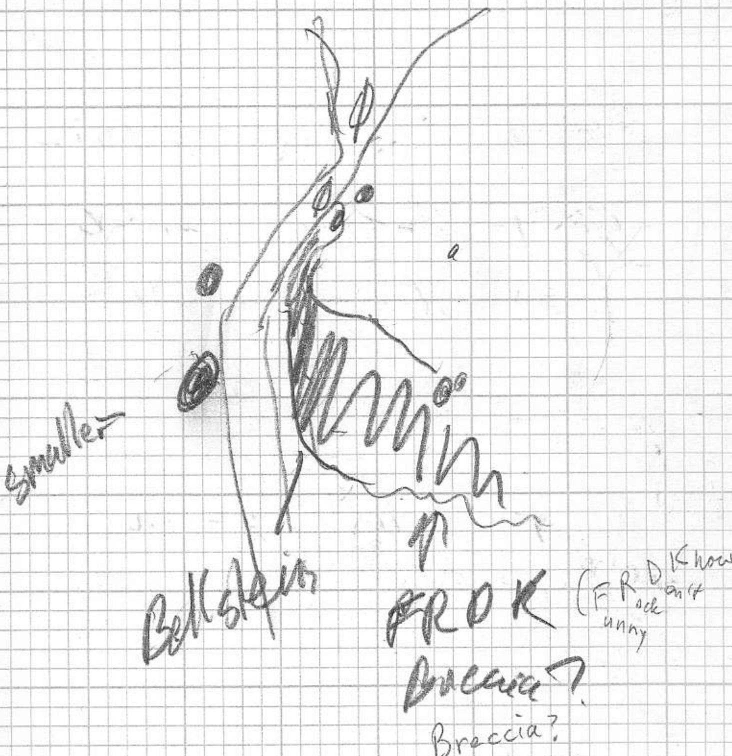
100/25/2/4/2

Below Spatsur-Nicola

grey cherts, junk

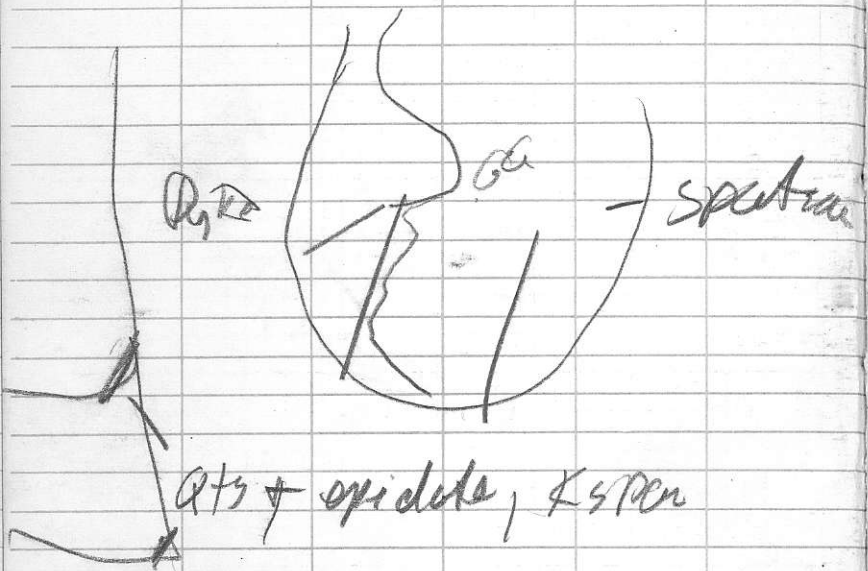
- rusty red, pyFitz

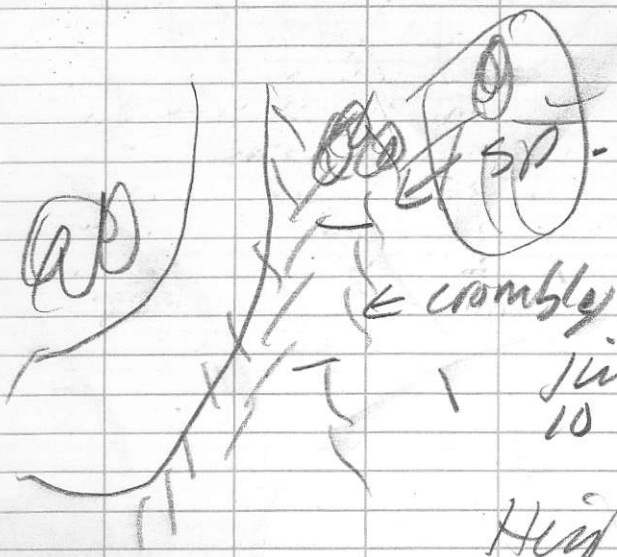


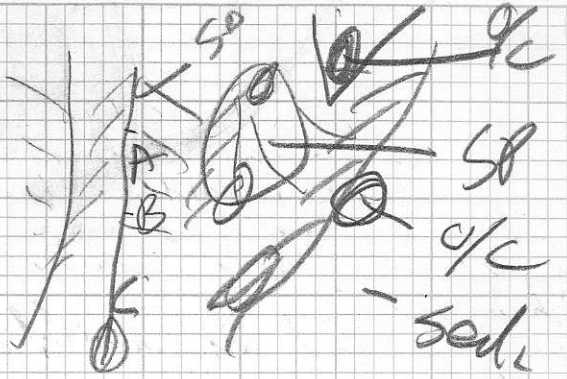

Smaller
FROK
(F R D Know
unny ock on't
Breccia?

Spectrum Dyke 10-40 E

85/62/1 5" wide




SP - 10.44A
crumbly area
Sink
10.44B
High
in Pyrite


A
B
C/C
Seal

June 21, Bill

7-~~10~~25-I

Am above 7-25-I sample location.

There is ~ 15 feet of a dark gray siliceous tuff (with pyrite) topped by a dark green mottled cherty tuff. Just above this is a fault, 70/15/1, and over this fault, we have a very finely bedded ~~1/2~~ 1/16 to 1/16" green, red (pyrites) and yellow (interbedded)

90 ~~to~~ 30 90/30/1

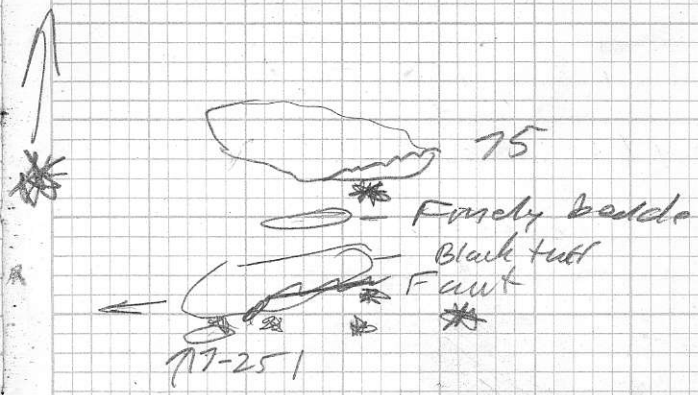
Then a mottled apple green/grass green tuff, with a fault 75/75/2 in it

Many, many sheat joints density 1 on that basis.

Shear joints - 75/22/1

75/86/2

Then we come across a ~~green~~ green volcanic sandstone, like 7-25-1, and above that a dark gray tuff (breccia) which gives Williams


75
Finely bedded
Black tuff
Fault
77-251

7-25 -

120/38/2 - 50 ft.

from last point

At bottom of pipeline

45/32/1 - ?

Cinch Creek

Tuff -

Limey crap.

Mixed conglomerate - breccia?

2, 7 veins.

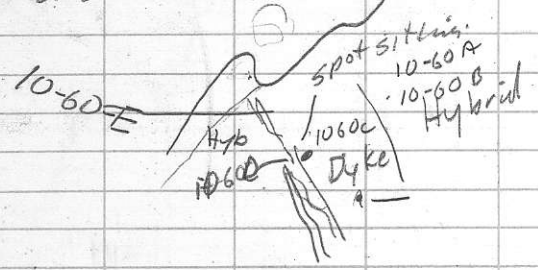
June 24, 71 - cool, showers

At spot 250' from survey stake

~ 400 from parking spot

↑ cut short by Bear Incident

Am now on ridge above powerline Road 1:30 in afternoon.



Am in a large bare area, 60 outcrop, up from road.

Dyke is ~ 60 ft. wide

~ 140°. Has Hyb. xenoliths in it.

the Hyb next to the dyke is odd. - see samples.

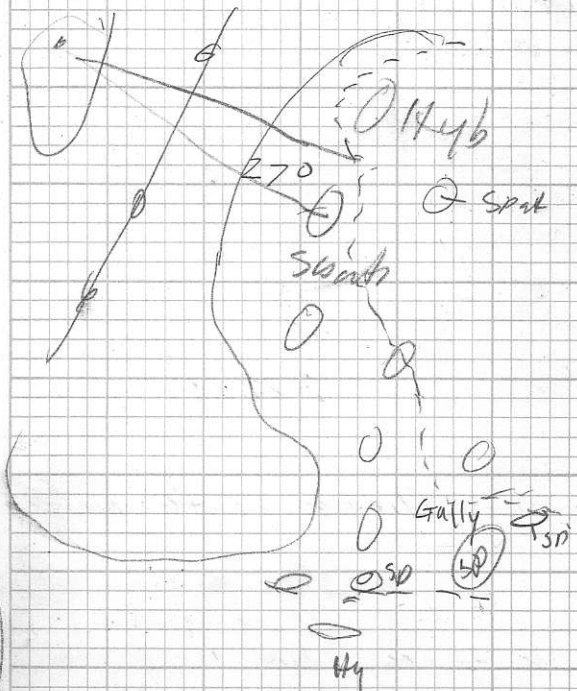
Also, the dyke ~~changes~~ changes character - very large hornblende xsts. with small square plagioclase xsts.

Sample 10-60-E was found in the floor - Possible Hyb - Spatsam contact.

Bryan has sample of fine-grain rock hybrid - large platy bits

I have large-hb- small plags in sample 10-60-E.

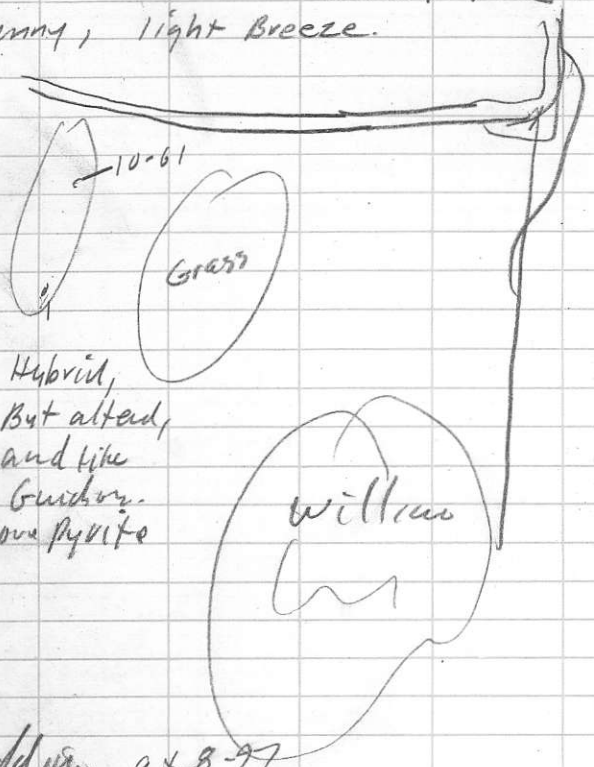
Sample 10-60-G - Spatsam Hybrid



June 27, 1971

Dave & Doug.

Sunny, light Breeze.



Beddyn a x 8-97
005/78/2

8-97

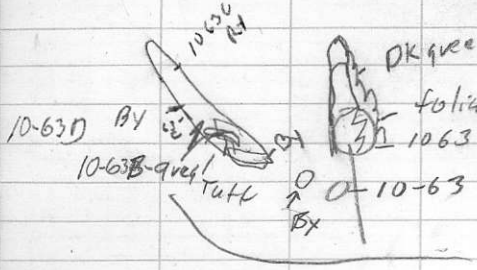
Dark gray silicious tuff/Breccia

- Broken up, but pieces v tough.

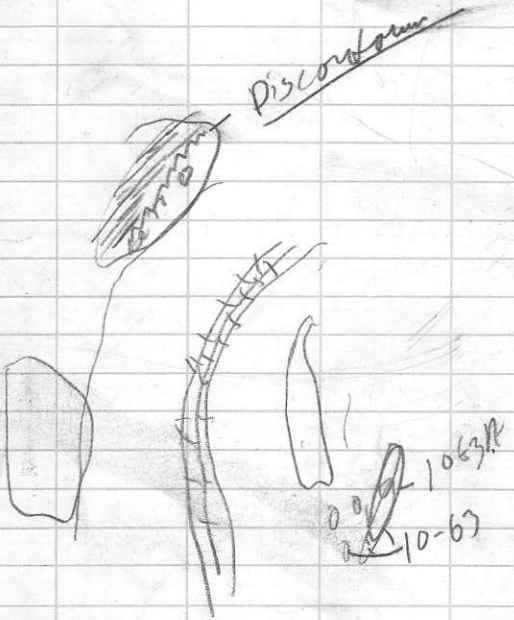
Broken surfaces look the same, with weathered faces showing fragments.

June 28

Dave on C.R.R truck



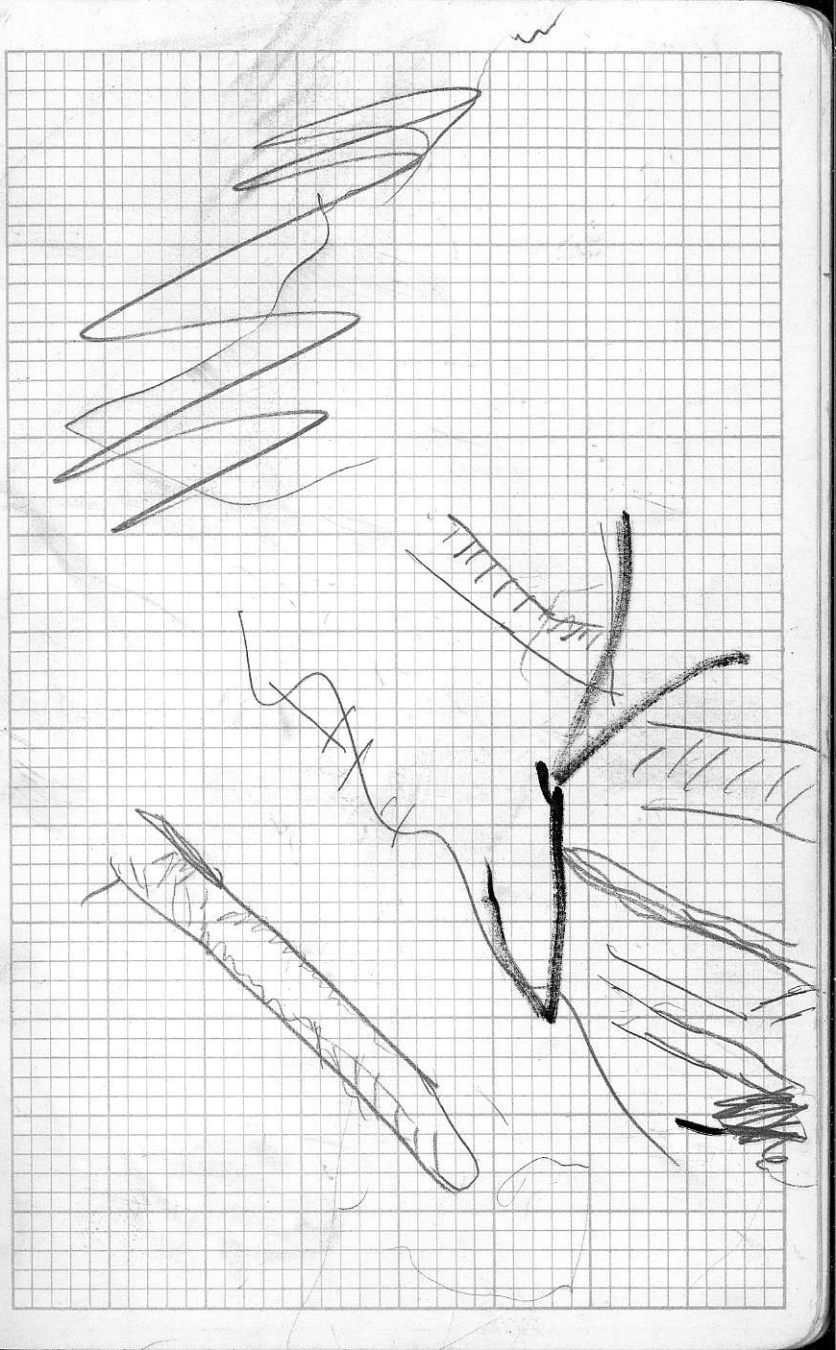
10-63 looks like tuff



10-63B bedding 128/41/1

10-63C Fault 35/35/1

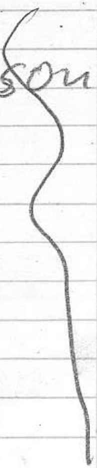
bedding 125/56/1



10-66

Fault #Orisontu'

18/83/2

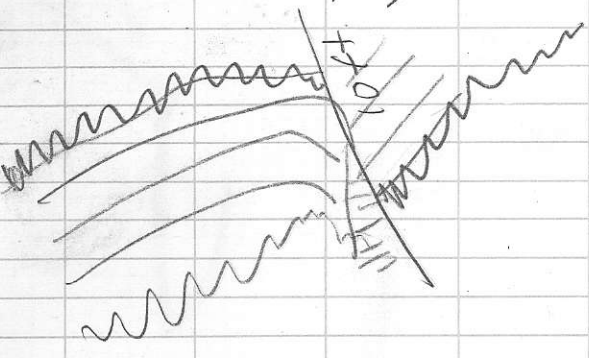


37 12/3

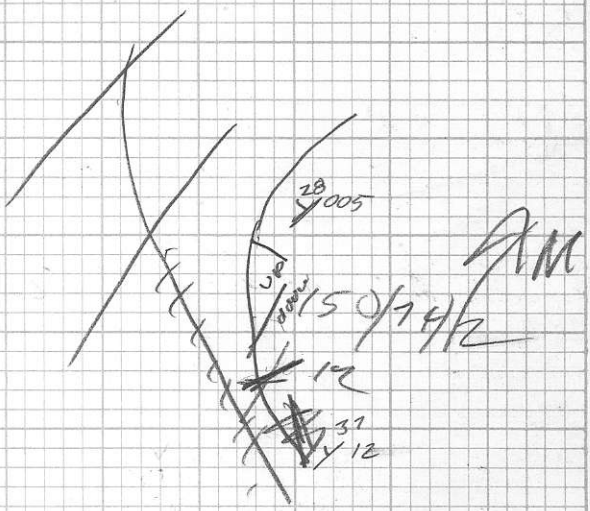
152/37/1

fault 150/74/2

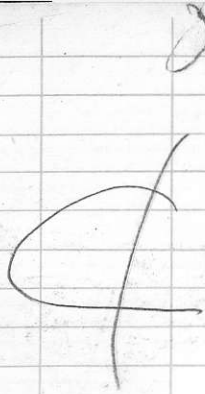
N. up. S dwn



fault 62/60/2 Horzont.


28
005
38
150/14/12
12
31
12

10-67



140/80/2

↑ photo 33

In cut - pencils - 105/07

Photo - 34 - down River

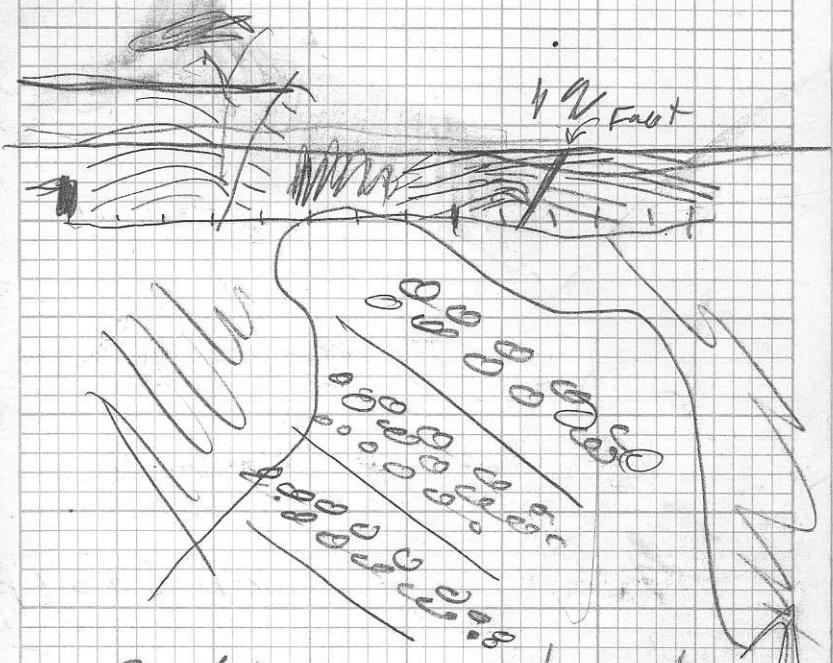
Photo - 35 - discontormity

Conglomerate - South - 10-67-1

Black shale - North 10-67-2

? ✗ 146/65/2

pencils 137/16/



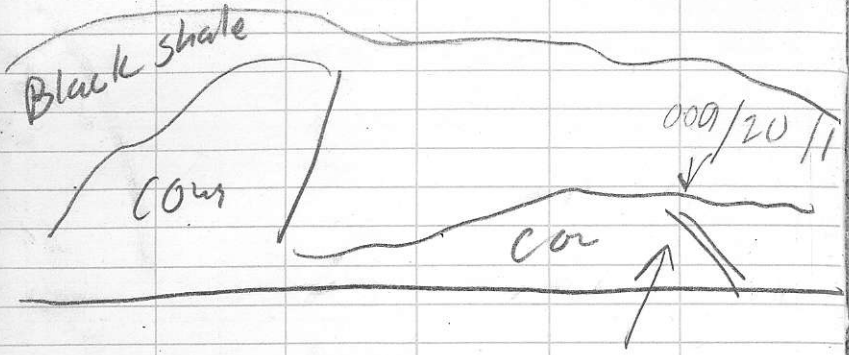
Bedding 108/38/2

110/38/2

In black Shale.

Pencils 138/24

Looking West



10-68 - siltstone

165/62/2 Bedding

J+ 10/32/1

Bedd. 40/25/1

Fault 70/25/2

65/36/2

10-69 - Bedding 180/30/1

JT 05/54/2

Dark siltstone? ? - Hardness

10-69-B- " " over lain by black shales with thin beds.

10-70-

000/37/2

JT - 75/60/2 / 2 / 2

" 165/78/2/2/1

10-70 Overlies Black Shale

160/64/2

10-71 -

Discon 140/40/72

↓

↑ Bedding in 10-71-1

160/64/2

↓

10-71-2

10-71, the siltstone
also lies the black shales
unconformably.

10-72 - Black shale
fault 85/31/1
Bedding 90/15/1

Bedding
below fault 95/82/1

Black shale with
rusty splotches and
rust along veins of calcite
+ some bedding plane
vile smell!

along 30 ft.

~~73~~ 73 73/33/1

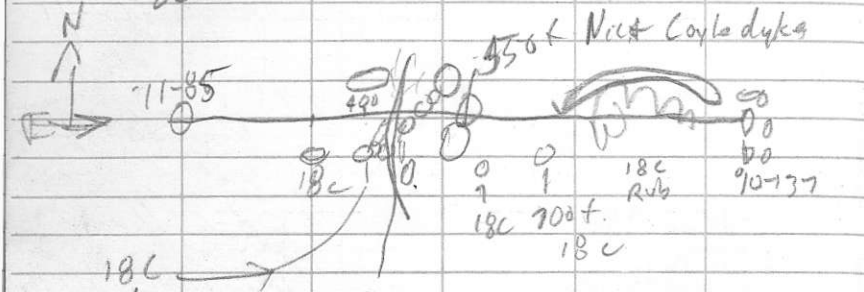
After 10+ 136

August 27th

This day have come to Lower Nicola.

We've hit a Coyle o/c and I'm going east, Dave, N, + W ##.

Bv. 90° at 300 ft. - Coyle o/c at



Buddy contaminated by Nicola.

Gully at ~ 190° 45 0 + Trees

~~+ 18C - Coyle bubble~~

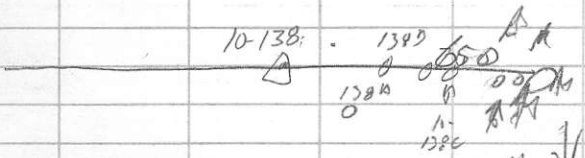
August 28

We have got Nicloid Coyle or something at 10-138.

I & Dave have split up, and we are on the same hillside as 10-137, but higher.

10-138-C, looks like a cooked Nicola.

The two ones (which are due east 900 ft. from 10-138) (an 880 due east of 10-138 B.) have slightly cooked nicola which has diorite dykes in it.



Bedding 70/54/1

10-141 Tuff

Joints

70/45/2/2/4/1

20/57/1/2→1/4/1,7

+ Bedding - 12/41

10-141A - orange gneiss

Aug. 29.

10-141G - Dark, micaceous-hornblende bands, with coyle xenos + showing a chilled contact with coyle.

10-141-H Sheared Qtzt ?

10-141-I Bedding

80/33/ /

10-141-J — Bedding

45/16/ /

Top

20 ft 10-141-I — Has Qtzt pods.
5 ft chloritized, sheared Basalt
7 ft 10-141-J — No Qtzt pods
3 ft Rusty Andesite, ← chloritized zone. sheared
50 ft. — covered by rubble
5 ft. As 10-141-J
2 ft chloritized Andesite or Basalt
3 ft. Qtzt as 10-141-H
20 ft. Rubble
5 ft. as 10-141-J
5 ft. as Qtzt (not sheared.
10 ft. as 10-141-J

on Hillock south of cliffs - 40/75/1

10-141-5 — S.S. & Py
— } # see Bryan's mtn.
10-141-61 sheared Rx.
10- -71 } Sheared Rx.

10-142. Sheared sediment

-1 " sed + marble

10-142-A

- Hill N. of small meadow

cut Fe py in?

Over Plag. prp.

Bedding 85/35/1

10-142-B - Sheared prp.?

A - By road.

Sheared, chloritized, limey sediment - Niooda

At 10-145 - the

Sample Rock is overlain by an chloritized shear zone which has iron staining and a white to yellow - green efflorescence.

At "B" the bedding is

50/75/1 in a banded siliceous tuff with chert bits in it

The Rock continues as 10-145 until after "B", when it gets quartz-rich, and goes to 10-145-B for a short period. Then a mylonite for 100 ft, and to a stretched conglomerate for ~30 ft. 30/80/1 is the bedding in the scrammbled conglomerate. 10-145 A has bedding 35/45/1

"C" is a pale green pyritiferous Xtal. (plag) siliceous tuff.

Bedding ~30/20/1

(very hard to see)

"D" 120/12/1

Top 2" Dark green finely bedded siliceous sediment

24" Pale green " "

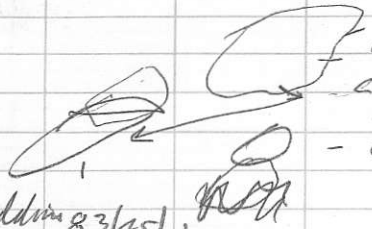
10-146-A 24" Red stained quartzite with void spaces (calcite?

Bottom 4" Red ochreous layers

August 30, 1971

E

N



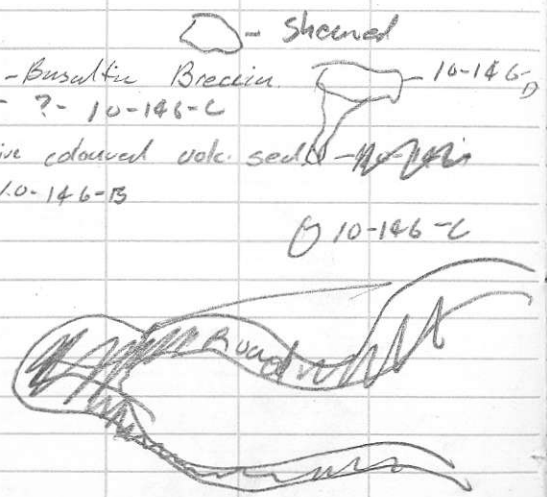
Bedding 83/45 |

Top

~ 30 ft scraunched small pebble conq.
5 ft. chlorite schist
20 ft. calcareous chlorite schist
10 ft. Green siliceous tuff
(plagio clase x tals.)

"F" Olive ~ Pence's Bridge?

N



There are pieces of limestone, white rhyolite + hb. schist coarse calcic conglomerate and, ~~[illegible]~~ green rock

10-146-B is a volc sediment.

10-146-C-is ?

10-146-D-is? - badly sheared conglomerate.

10-146-E is a calcic conglomerate Fairly fine.

10-148-A - looks like it might be altered granitic coyle. Above, the Nicola? ole seems to be a highly sheared fine conglomerate.

At 10-149-C, a white

Rhyolite? with qtz phenos

is found. Spences Bridge?

At "G" we have a dk grey to

a black limestone over a green course calcic

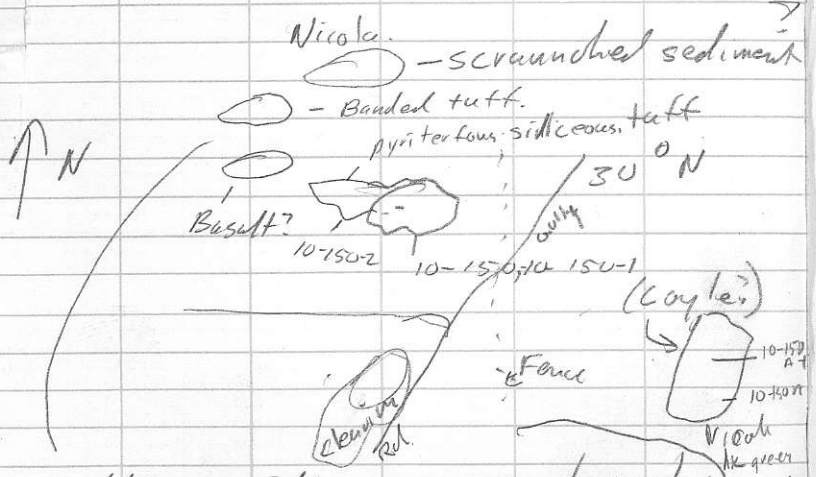
feldspathic sandstone, fault &

contact at 90/90/@.

Bedding in L.S. is

90/73/1. No fossils visible.

At "H", above 10-150

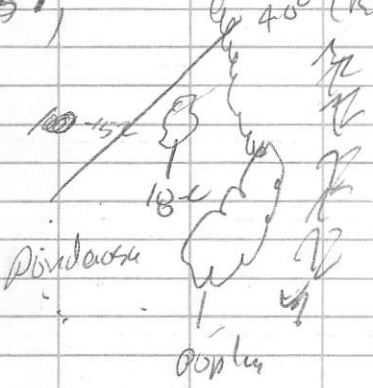


Bedding variable, ~ 30/55/1

Sample 10-150A- Coyle diorite

" 10-150A-1 Coyle granite

If the samples are identified correctly, there is granitic Coyle dyking into the Coyle diorite off Photo, ~ 2000ft from 151,



+ rude

30.3 — 57.81

30.35 qtz ppy

30.41) - intermittent tourmaline

30.52)

Epidotized qtz ppy Breccia Bethlehem trend

30.54 - 52.10

52.12 - 10-A

Rxs

continues?

30.59 - 52.15 10-B

30.66 - 52.21

31.00 - 52.35 - Along trend Bethlehem-Church

31.6 - Bend — 52.96 -

31.85 - Bend → 52.25

31.94

45/90/0/242

168/90/0/242