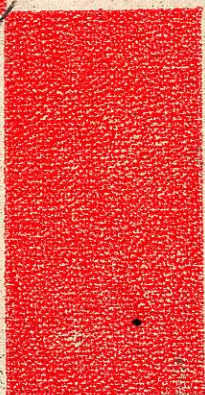
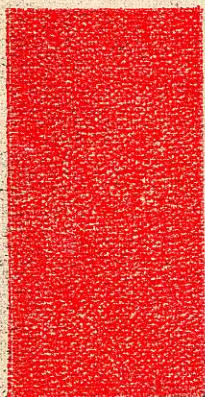


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N.J.
1972

Jorgensen

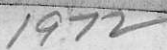


335-8360

FIELD
BOOK

6
5
4
3
2
1



[illegible]

1

Friday May 19/72

- Sunny about 70°
- Cook's tour from Barnes Lake to Sarona

Saturday May 20/72

- Sunny about 90°
with Bill Isherwood.

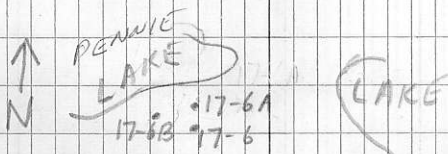
Hybrid NE of PENNIE LAKE

Station 17-4

Variations in hybrid
get small xenoliths sometimes
slight variations in mafics
(Same area)

Sunday May 21/72

Station 17-6



Monday MAY 22/72 Partly Cloudy
 With Doug Blanchflower
 - Trying to locate Nicola/Kam.
 contact North of Penny Lake

Tuesday MAY 23/72
 With Bill Isherwood.

Where Road Ends there is a drill
 hole, Nicola/Hy NE of Pennie
 Lake

Wednesday May 24/72
 With Doug Blanchflower, Bill & Paw
 NW of Pennie Lake
 Sunny and about 60°

Thursday May 25/72
 With Doug Blanchflower & Paw
 NW of Pennie Lake
 Checking Kamloops/Nicola contact
 Sunny about 75° Clear

Friday May 26/72
 Alone

Kv/Nicola contact
 Sunny about 80° NW of
 Pennie Lake

Saturday May 27, 1972

On Nicola / Jurassic Contact
Sunny & Clear

With Bill Isherwood.

N. of Bull Lake

Sunday, May 28/72

Plotting

Monday May 29/72

Nicola / Jurassic contact
SE of Walachin
Sunny & hot 85° - 95°

Boulder Congs.

Some boulders up to 3' across
mode about 4"

17-34

142	39	2	2	2	Joints transferred on
30	81	1	2	2	
18	51	2	2	2	

Nicola pp. (?)

Jurassic cgl beds seem to be
dipping about 10°

*striking $\approx 140^{\circ}$

Tuesday May 30/72

Sunny & Hot 90°

With Bill Isherwood

working on completion of Nicola Jurassic contact north-west of Walachin

Malachite stains noted at 17-38-1. Other mineralization noted at 17-38B (contains py & Arpy)

Contact takes off southward at creek 1 mile west of Walachin.

Wednesday May 31/72

Sunny & warm about 80°

NE of Pennie lake to South of Walachin. Working on Kv/N/Hy/Turassic contacts.

Station 18-16A - ? flow br or Volc. agg.

Area along Brassy Creek (17-41B & C) is a crystalline limestone
Gossan - Fe stain at 18-17

Thursday June 1/72

With Bill Isherwood

Sunny & warm (Clear)

2 miles NE of Pennie Lake to
1 mile south west of Walhachin.

Nicola / Jurassic / Hy / Ku
contact areas of dispute.

Wednesday June 7/72

Working alone

Sunny, warm, partly cloudy.

NE of Pennie Lake

Thursday June 8/72

Finish Conglomerate fill-in NE
of Pennie Lake

Fossil Hunting in Meso Bl. Shales.

Found Meso. Ammonites &
Pelecypods.

Friday June 9/72

Indian Garden's creek

Partly cloudy, warm about 75°

Saturday June 10/72

Tumkwa Lake

Cloudy with Occasional
Showers. Cool.

Working alone.

Kamloops outcrops at N. End
of Tumkwa and also between
Tumkwa & Leighton Lake.

Sunday June 11/72

Plotting, rock cutting, &
general touch up to get
work up to date

Monday June 12/72

Raining and cool, 50°.
Setting up Chattaway Camp.

Tuesday June 13/72

Raining and cool 50°.

Mapping road south of
Chattaway Lake towards Lot
Lake and down to Aberdeen.

Traverse 17

Wednesday, June 14/72

Cloudy 55°

Working alone

North of Mammit Lake.

Thursday, June 15/72

Cloudy, Cool 60°

Working alone west and north of
Mammit Lake.Station 17-59 - Occurrences of *Ar.*Friday, June 16/72

Partly Cloudy 65°

Working South-West of Power Line
about 3 miles NE of Billy LakeSaturday June 17/72Working road 1/2 west of Mammit
Lake. Cloudy with showers.
- With large Black flowersSunday June 18/72

Rock cutting & plotting.

Monday, June 19/72
Working road east of
Cougar Lake.

With D. Blanchflower

Tuesday, June 20/72
With D. Blanchflower.
Cloudy with Showers.

Working west of Mammoth Lake.

Wednesday, June 21/72

With Bill Isherwood

NW of Cougar Lake.

Mostly Eucalypt or fine grained
Chertaway.

17-62, 17-63 (1/4 A, B, C), 17-64

Thursday, June 22/72

Rock Cutting & Plotting

Tuesday, June 27/72

Traversing N & E of Cougar area.
With W.J. McMillan.

Wednesday, June 28/72

Camp move & set up at Tyner Lake.

Thursday, June 29/72

Sunny. $\approx 70^{\circ}$

Working alone

$1\frac{1}{2}$ miles NNE of Tyner Lake on Chataway fill in work.

- 350 N

1050 Chataway, o/c 17-66

700' along.
Bearing. 045

1610 Chataway o/c 17-

1900 Chataway o/c

2025 Bearing.

- 300' Brg. 120

- 600' Brg. 90 (E) Chataway o/c @ 550

- 1650' North trend.

Chataway o/c from 25' to approx 400'

Sta. 17-67 at 200'

- 1200' Bearing 035

- Bearing 280 5600'

3700'

5700'

2100'

11,500' (2.2 miles)

Friday June. 30/72

1 mile NE of Abbott Lake.

Chataway / Bethlehem Contact area

17-69 C/Bm contact

— 700' Brg. 320

Just 200' N Bm. more prominent

(17-69A)

(750') — 300' N trend ; 200' 80 brg, 150' N trend

— 1350' N trend.

900' 310 bearing 17-70 at 400'

17-70A @ 900'

— 5700' bearing 025

— 700' bearing 320 (Road 700')

1400' to Truck - eastward.

Saturday July 1 /72

Working Quicha / Chataway
contact area. SE of Cyner Lake.

— Bearing. 185

9/2 C/G @ 830

1300' brg. 185

225' brg. 125

Bearing 170 $\approx 2500'$

c/c Quichon at 50' to 300'

Station 17-73 along Brg. 240 at 1200'

1000' along bearing 305

- 1500' N trend to station 17-74

down canyon. (check mineralogy
on 17-74)

900' bearing 030 to Pond.

500' bearing 030 to cycle.

20
July 2 1972

Bunny & Clear.

Working east of Gordon Lake

3000' bearing 158°

1000' brg. 110

2700' along bearing. 085

1700' along brg. 025

800' along bearing 330

200' brg. 060

750' brg. 330

1000' brg. 300

1100' W trend

1200' Brg. 220 to Lake

Ground Lake.

July 3/72

Break Camp at Tynes
Set up camp at Quirkon
2 miles North of Aberdeen.

July 4/72

2000' bearing 025 Transverse (1)
2500' bearing 128
2000' bearing 235

got back in station. 17-78

Transverse. (2)

1500' bearing 080
1000' bry. 150
1700' bry. 205

July 5/72

Sunny & Hot 90°; Alone.
W-5 Road East of Cougar Lake.
Nicola 1/4 Contact area.

Drive road (question on road)

for 1 1/4 miles to trenches &
just past trenches until road
fingered out into non-existence.
(Road going west 1 1/2 mi. S. of
Aberdeen)

July 6 / 72

Sunny warm
Working N/Hy area NE of
Congo Lake

- 1500' W trend

150' N/Hy

550' Swamp.

1/2 Hy / N 1200' - 1500'

about 150' South

- 1000' bearing. 275

at 600' Hyb. o/c

at 725' Hyb. o/c to 1000' +
(has. Ep. - quartz. veins.)

- 275' bearing 200

- 400' bearing 170

- 500' bearing 280

- 500' South Trend.

- 1000' Brg. 235

- 800' bearing 205

- 1000' bearing 150

- 1500' South Trend.

- 3400' E. Trend.

- 6300' back to base - (Northward)

July 7/72 Friday

Break up camp
 Chuedin or S.B. group.
 Move to Sparrows Bridge.

July 8/72 Sat. Cloudy

Planning traverses.
 Sorting photos.
 Reviewing area.

Sunday July 9/72

Cloudy with showers.
 Traversing S.B. group.
 Near N or Hy contact by
 Skunk Creek.

- units variates 17-87, 17-87A
 from agglomeritic to sandstone
 units. Agg. ^{stuff} again overlies ss. etc.
 - Tuffaceous units further along
 traverse.

Monday July 10/72

Clear.

Sunny & Clear.

Skunk Creek area.

Working on Sparrows Bridge and
 possible contacts

* Weather changed to overcast skies 15
by 2:00 p.m.

- 17-92-1, 17-92-2 The top 1/2 south side
of CK. on N. side Tuffaceous SB
units continue. Also on N. side
(17-92A) a black shale lens occurs
with the coarse tuff.

Tuesday July 11, 1972

34. - Partially cloudy $\approx 70^{\circ}$

- Working alone.

- In Gordon CK - Abbott CK. multiple
contact area. SB/W/Hy/G. (possible)

Southern extension to Loney fault.

Francisco. 8^{45}

① 450 E trend

1000' S. trend

300' W. trend

700' S. trend

500' W. trend

300' S. trend

1200' W. trend to road. Sullivan 500'
1100'

Heading Northward

after 500'

went 500' W

500' N.

500' East back to road.

- 1800' back to bike.

- Drove Eastward along huge swamp-meadow for about 1 mile w/o/c
or way back took two short
transverses (1 walk 1 bike)

- Heading southward past Transverse
① took bike westward short
transverse.

Then walk. 1000' E. Trend

500' S. Trend

1000' E. Trend.

500' S. Trend.

2000' W. Trend.

1200' back to bike N.

6200'

Wed. July 12

Plotting & Rock Cutting.

Monday July 17/72

Plotting and rock cutting.

Tuesday July 18/72

Setting up camp.

Looking at Kingsvale Sp & rocks
along Highway west of Nicola.

Wednesday July 19/72

Hot & Sunny 95°

Buickon Creek area from approx.
Brown Creek entrance southward

Thursday July 20/72

Sunny & Warm 80°

Working on Chitaway phase
fill in about half way between
Tyner Lake and Aberdeen mine

- Road. 18.0

- Turn 350° 19.6

Traverse of 16 days ago

- @ 20.9 11.3 mi.

(from turn)

End of Road at 21.9 12.3 mi.

(3.9 from Aberdeen Road)

- Traverse: Start at Trench.

1500'	bearing.	195	No o/c
1800'	bearing	125	No o/c
1300'	bearing	210	Sta. 17-96
3900'	bearing.	140	
1400'	bearing	070	Sta. 17-97
2800'	bearing	330	
2800'	N. Trend.	000	

3650' back to trench

(Total distance today $\approx 19150'$ $\approx 3\frac{3}{4}$ mi.)

Friday July 21/72

2500' bearing 050 STA'S 17-99 H₁
 1000' bearing 065 No o/c 17-100 H₁
 2000' bearing 185 No o/c
 1500' bearing 220
 1900' bearing 255

Traverse 1-2 miles N of Craigmont Pit

Saturday July 22/72

Working SE of Gordon Lake
 3 miles and 3-4 miles N of
 Craigmont Pit

- 1000' bearing 105

at end of 1000' St. Claimposts

Oct 69. Staked by Bud Johnston for R. Petrie

restaked Oct 70 By Johnston.

- 2900' bearing 060

25' left of 180' bearing 060 is Cl. Post
 for M. Mathen Nov 5/71

- 1300' bearing 160 Guichenon rx
 - 1900' bearing. 105 Guichenon rx
 - 700' bearing 075 "
 - 1200' bearing 335 "
 - 700' bearing 030 Guichenon Rx
 - 1400' bearing 320
 - 800' bearing 340
 - 900'
 - 800' W. Trench
 - 1600' bearing 255
- X X

Sunday July 23/72

- Sunning & hot
- Working SE of Promontory lookout

Monday July 24/72

- Shackley Creek
- Sunning & hot
- Geology of West Group of Claims (Towest)

- 1000' N. Trend
- W. Trend. N / Hy contact
around 500' - 700' (see map)
- 1000'
- Bearing 050 1100'
- N. Trend. 200'
- W. Trend 1700'
- 3600' back to start along road.

Rock along road is an assimilated Hy where Hy & Nicole are found. Tommet called it a white-andinite Breccia. - I have been calling it assimilated Nicole.

The hybrid is very mafic (about 30-50 percent of rock).

Station 17-113

Kingsvale Dyke. plag porphyry.
cuts Hybrid.

There is the odd Nicole inclusion (xenoliths) but very few.

Dyke seems to trend about 110° from positions of etc on either side. Contact is not visible between Hybrid and Kingsvale Dyke.

Along road SW of Station 113 is
 o/c of Nicole Bas. in S. Part of
 and crop stingers and evidences of
 Hybrid. one found north part of
 o/c seems to be fine of assimilation.
 H₂O Ep. Vams common in o/c.

- Claim posts at Junction of Jackson
 Lake road and road South to prom.
 Staked Aug. 4/71 # Mark 27,
 by L. McFelland. 28, 29, 30.

for Foremost
 Previously stated July 15/68
 # Mark 27^I, 28^I, 29^I, 30^I

Tuesday July 25 1972

- Cloudy but warm. Later Really Hot 95⁺
 - Between Pulpit rock and
 Shackelly Creek.

Tuffs and agglomerates
 up to Pulpit

Tuffs found occasionally
 throughout.

agg
 tuff
 agg
 tuff. Pulpit

Rocks really mixed up
Hard to follow beds

Wednesday July 26/72

South of Gordon Creek between
new logging road and Spruce
Bridge/Neale Highway.

Start at New Road

1300' @ 270° Road

Continue @ 270° - swamp @ 1400'-50' Right

swamp trends 320° and is $\approx$ 200' long

continued @ 270° until 1900'

- N trend -

@ 250' o/c - 17-120 Agg.

continue N. to 500'

- W. Trend (270°) Road @ 750'

continue to 1150'

- N. Trend. o/c - 17-121 @ 125'

o/c $\approx$ 100' E-W. across line.

Bedding 090/85/1

Beds range from a few inches
to a few feet

N until 200'

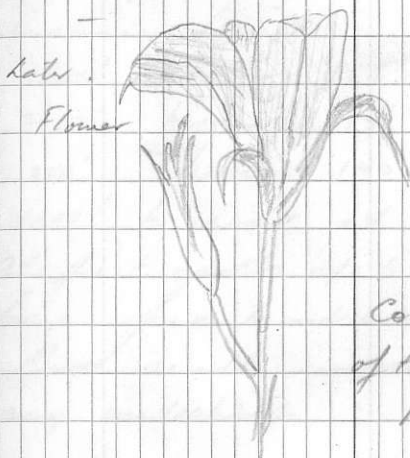
- West (270°)

o/c Wacke @ 600'

Road? @ 1400'

Road? @ 1530'

- South 600'



Latv.

Flower

Light purple
3 - Petals

Contribution to Flora
of the Gwich'in Map
Project.

#3 July 27/72 Thursday

NE of Jackson Lake.

Sunny & Hot.

- 700' @ 275° xtn o/c 17-126 @ 635' Low
- 900' @ 285° xtn o/c 17-126 @ 900' Rush
- 1000' @ 250° Hyb. o/c 17-127 @ 1000'
- 1000' @ 280° Hyb. o/c 17-127A @ 1000'

- 1700' @ 260° no o/c
- 2700' @ 240° Bush is really bad
in stretches like Gordon Lake
2 hours for 2700' with no o/c
Mosquitoes also bad.

Bush is horrible

- 1000' bearing 155
- 2200' bearing 075 Station 17-128 Hy
- 900' bearing 140 o/c Hy
- 4600' to road at bearing 095
at first spotty o/c's (?) rubble of Hy
for a few hundred feet.
- Bush really improved to hardly
any underbush

44 Friday July 28/72

Sunny & Hot
Working alone in Petite Creek
area.

Part I - checking peaks.

17-129 Amyg. andante

- red coloration
- filled with clay?
- 17-130 - Shaler Amyg. And.

PART II

Roads East of West of Little
Creek.

Saturday July 29 / 72

Nicola?

Station 17-133

Gwacke, Cut by Shear zone
Strike 155

Pt. cemented by calcite & quartz

Stickinsides,

17-133B

243.

Strike slip fault

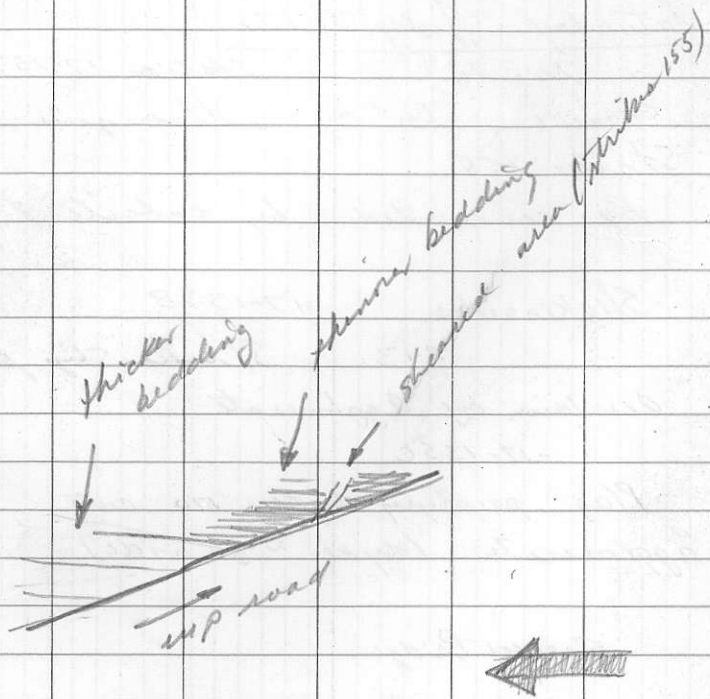
Overlain by Agglomerate

-17-133C

Plag porphyry dyke 170 cuts
agglomerate (dyke $\approx$ 50' wide)

Spencer Bridge

(with W. J. D. Miller until 11:00
a.m.)



- Fault contact between
PP. & overlying agglomerate
110 48 1

Bedding may trend 154°
Flow alignment - flattened amygdaloids.
179 54 2

Summary of 17-133 area:

Has plagioclase porphyry dykes in
plagioclase porphyry breccia. There
are cooked and sheared areas
within the whole station area.
Lower units have bedding
and rock could possibly be
a grey wacke. The unit is
Spencer Bridge as the rock
types resemble Spencer Bridge
units further west.

One unusual feature is (1)
the bedding within the gwacke.
at the base of the v/c along
the road it has thicker beds
and all of a sudden a little
further up the road the bedding
is thinner and more striking.

The well (17-133A) which cuts the gneiss is a sheared zone of reworked rock within the unit.

Spencer Bridge 17-137.

pp. 6x.

Extreme weathering.

- ← Along road towards Hwy.
 - near creek which crosses road
- Hornblende porphyry andesite
WJM found Hb-porph andesite
a few miles north of here.
This rock type seems to
exclusively indicate the Spencer
Bridge Group as it is not
found in the Nicola or Kingvale.
(This rock type was first
noted along the western limit
of Shuben Creek).

46

Sunday July 30 1972

with W. J. M. McKee

Sunny & Hot

2200' from Clearing

Leaving 120.

Working NW of Shackelby Creek.

- Bedded Volcanics

29 39 2

Bedding derived from coarse grained
Diorite plates.

Start at 200' 4500'

250' rubble Rhyolite

at 650' of Rhy. bedding not
reliable.

750' last recognition of Rhyolite.

400' at 115

Station 17-139

Elongations 10 85 2

of Amygdulites.

Amygdulites 50, Matrolite & Chabasite.
Amygdulites.

Hornblende - plag. porphyry as
Matrix

- 400' @ 140 Rhy.

to 450'

- 270° 150'

at 325' o/c with sheeting.

Rhyolite. Sheeting 97 80 2

"1/4" to "1/2" sheets.

Now has plag & B. xstals in it.

- 210° 800'

- 165° 750'

Station. 17-140

Plag. - Hb. porph. Rhyolite

Change from biotite below

Flow alignment 8 52 2

Another alignment 20 60 1

Hb needles : 35 62 1 ***

Flow Layering. 127 42 1

in Rhyolite 90 42 1 Good.

Flow Banding becomes almost vertical
slight step West.

What we may be looking at is
 Rhyolite dykes within Rhyolite.
 Thus the dramatic changes
 in flow banding.

Black & white picture of Banding

Elev. Contrary 3500'

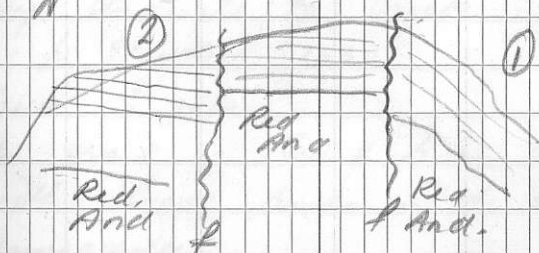
down cliff about 100'

B: + 1/6 + Plag in Rhyolite
 Flow layering 42 74 1

Flow layering after 200'
 35 62 1

Across Valley to N. West

5° N



Has been photographed.

Phyllite #6 rock further down

- Apparent dip 28° North.

on old monument sphere (see diag.)
from Elevation 2940'
location ① on diagram.

Elevation 2840'

O/C 17-141

Red Agg.

#1 Shelling	5	81	1
#2 Shelling	101	90	0

Andesite (Grey - Green)
2700' Elevation.

Grey Andesite to Creek.
to Elevation. 2630'

Creek is 2580'

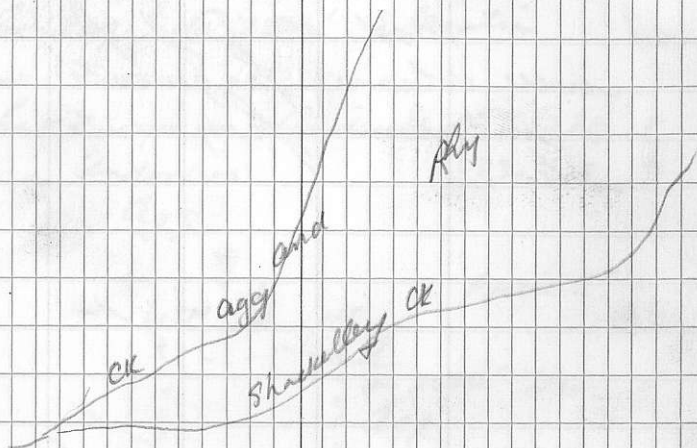
In creek Red & Grey Andesite
with local pods with 50%
Amygdalae.

Red agg. South of Green And.
on same hill just past CK.

Photograph
of Transverse Route
Looking x 075



probable bedding 92 35 1 poor



Large o/c on other side of CK.

Bedding 115° 13 2

Br. Anhydrite

Overlain by the Agglomerate

Agg was about 10' + thick.

2550'

Most or all of fragments
were volcanic fragments and
no intrusive fragments were
noted.

Contact gradually creeping down the hill.

Now at 2500' See this Photo
Down last hill to creek.
Red 499. @ 2500' Elevation

Reading in	Andante	055	24	2
Underlies		033	28	2
Egg.				



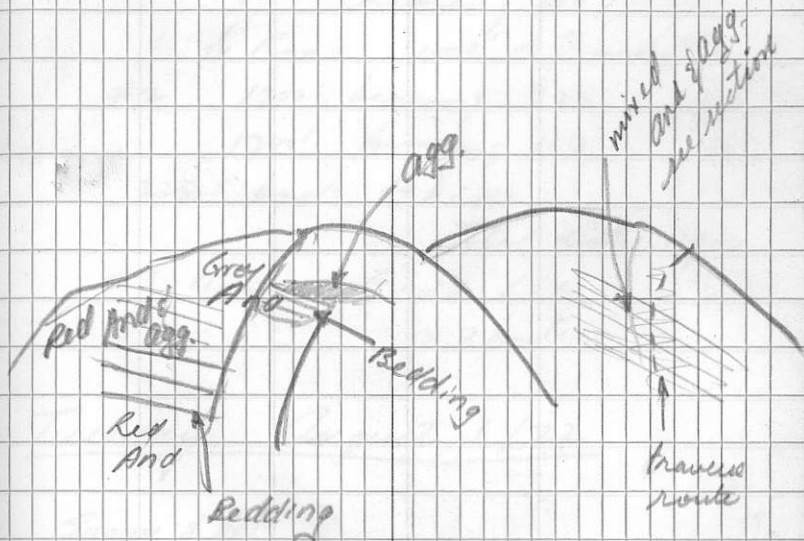
2300'
 Red And.
 2250'
 25 27 2
 Red And 17-143

Below Red Andesite is a red
conglomeratic Lapilli tuff 2150'

-2140' Grey Green Andesite

-2120 Red Agg.

-2060 Last of c Agg.



57 Monday July 31 / 72 Sunny

Tramming near Gordon Lake.

#1. SW of Gordon.

1600' bearing 140

1700' bearing 220

50' right.

800' bearing 230

600' to Road 1000' to Traverse #2.

#2 1900' bearing 320

1700' bearing 110

2250' back to bike.

Total dist: 11,500

#3 Around of Gordon Lake

~ 2 miles

49 Tuesday August 1 / 72

Sunny & Hot

Working Spences Bridge / Nicola
contact in Petite Creek areas

Checked 15-49

Agree to Nicola

high Sp. content in Br.

- Road along 25/34 to check for o/c
 - no o/c found a road a small
 jaunts.

- Filling in on East side of Petite

Station 17-149 N

- NW of petite.

Massive area of no o/c

More all roads + some small
 traverses.

- Fill in work along Petite Cr.
 road from Hwy to about 2 miles
 along road.

Station 17-150 N

Sta: 17-151 N gtz. dk dyke.

Between two stations above, in
 N o/c gtz. veining is common.

Wednesday Aug 2/72

Cutting & Plotting

Thursday Aug 3/72

Cutting & Plotting

Tuesday Aug. 8 /72

Moved to Toketic area
Set up camp.

49 Wednesday Aug. 9 /72

Traverse along Inkikuk Creek
Sunny & warm.
Working alone.

Working exclusively in Hyboid.
Outcrop abundant along creek
where Inkikuk steepens

50 Thursday Aug 10 /72

S. of Inkikuk Creek & North of
Toketic.

Traverse 1

- 3000' bearing 215

No o/c but occasional Hy
boulders appear.

- 1600' bearing 165

No o/c

- 2200' bearing 120
- 2100' bearing 335
- 1800' bearing 070
- 1500' bearing 010
- 1100' bearing 275
- 1100' bearing 005

area covered
 with abundant
 Glacial moraine
 & debris

Total Traverse 1 - 13,000'
2.5 mi.

There was nothing you could even remotely call outcrop throughout Traverse 1. There were several occurrences of Hybrid & Transition subhlt and boulders in ubiquity. The area is an extensive glacial dumping area with drumlins and moraines the predominant Glacial features. Till like material is predominant.

Traverse 2,

- 4700' bearing 190
- 2000' bearing 070

Rust is fantastic (Bike Traverse)

No o/c and only a very occasional occurrence of boulders appears.

51 Friday August 11 /72 Sunny

- Working South of Toketic and North of Pimainus Creek.
- Very steep cliffs just south of Toketic.

Saturday August 12/72

- Break down Toketic Camp
move back to Trailer

Sunday August 13/72

- Plotting & Cutting
- Packing equipment

Monday August 14/72

- Cutting & working on rocks.
- Move to Spencer Bridge.

52 Tuesday August 15/72

- Cloudy & warm
- Working south of Pimainus Creek in the Pimainus Hills.

Station 17-157 (Elevation $\approx 3500'$)

Amygdaloidal Green Andesite

Amyg. = natrolite, stilbite, felds.

Sheeted somewhat 10 43 1

- Now bearing 350 for 900'

Some Amyg And @ 700'

- Bear. 280 for 900'

at 150' pyritiferous plag. porph.

(elevation 2525')

- Bear 260 for 800'

No out crop.

- Bear. 280 for 1200'

at 700' o/c STATION 17-158

Green agglomerate

Frag. are strictly volc. frags.

(pp frags., amyg. and frags., tuff frags.)

Elevation $\approx 3200'$

- North 1200'

- West 1100'

o/c STATION 17-159

$\approx$ Elevation 2630'

Agg to Brecciated Plag Porphyry

Bedding (poor) 11 5 19 1

For Station 17-162

• See Station Card

For Interpretation

Elev. 2600' Gr. Tuffs.

Bearing 315

Station 17-160

Green plag. porph. Andesite.

Station 17-161 Green Agglomerate.

Underlies. Grn. Andesite

Elevation of contact $\approx 1500'$

Pedding taken further down in agg.

80 24 1

53 Wednesday August 16/72

- Cloudy & Raining early in morning turning to cloudy later in morning. About 65°

E of Thompson R., S of Pimanus Cr.

Stations 17-163 & 17-164 on Road

And.

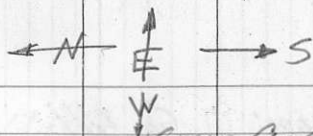
St. Station 17-165

$\approx$
1570'

Sheeted And. Bx.

15 45 2

Directions vary somewhat but trend is to an easterly dip of about 50°.



3000

Green Andesite

2800

Green Agglomerate

2600

(not
always
vesic.)

2400

Red. Vesicular
Andesite

2200

Green Latite or Grn. And.

2000

1800

Red. Bx ↑

1600

5 +

1400

Red And. ↓

1200

Slav. 1000

and

500' East of 17-165 Breccia - quite angular

Elev. $\approx$ 1750' Frags mostly Felds., Zeol., other volc. frags.

- Sheeting has only slight dip easterly 8° .

17-166 Elevation $\approx$ 2000'

Green Latite to Andesite
Sequence $\approx$ 150' Thick (Estimate)

17-166A Overlying 17-166
at $\approx$ 2200' is Red
Andesite Flow (somewhat Vesicular)

- 17-167

Elev. 2350' Green Agglomerate
Classic Example of Agg.
Frag. all Volcanic
Overlain by Green and. at 2900'

- 17-163

Red Andesite
Sheeted in most places.
Elevation $\approx$ 2000'

54 Thursday August 17/72

- Partly Cloudy - warm.
- Working south of Skukun CK.
and N. of Hwy - Tar Group.
- 1300' along bearing 050
And. o/c Elev. $\approx 2100'$

- 1300' @ 025

Station 17-171 Elev. $\approx 2300'$

Green plug porphyry

Very little o/c along Traverse
and very little variation in
rocks when there is o/c.

Cannot be used for Section
TAR Group one of few areas with
some o/c. These o/c's seem ok.

Traverse 55 revealed
that Red And. & eggs and
gr. and. & egg are far
from constant beds in thickness
and continuity. All sequences
pinch out and in, thicken
and thin at various intervals.

It seems as though flows
just filled topog. lows in
some cases and ubiquitous
in other cases.

Shows coloration
change on hill.

55 Friday August 18/72

- Sunny, warm
- West of Piquetty Cr. & N of
SB - Merritt Hwy.

Bearing 135 for 1350'

No o/c

Bearing 210 for 1000'

Green Agg. @ 300'

Above Up Hill @ 550' Red

Layered Flow Andesite.

STATION 17-173 -

Underlying the Red And is a green
p.p. (?) - contact visible in 17-173A
area. (Check elevation.)

STATION 17-174

Purple Volc. Br.

Plag. porph. ; Has Hb & Ep
phenocrysts too.

STATION 17-175

Andesite.

→ *TAKE PHOTO OF THIS LATER
FROM ROAD (GRAVEYARD)

56 SUNDAY, AUGUST 20, 1972

Sunny & warm

Working South of Klockowuck Creek.

STATION 17-177

Green Andesite

Sheeting or Layering 120 22 1

Underlying it is black basaltic unit

Confusing day.

57 MONDAY, AUGUST 21, 1972

N. of SB. Merritt Hwy & Klockowuck Creek.

Sunny & Warm.

STATION. 17-180

Elevation 4100'

Grn. Brown Agg.

STATION 17-181 Agg. (Lot of plag. p.)

Elevation $\approx$ 3800'

Note: Locations to this point from start are to nearest tree.

Note:

Take

photo of
plug.

phy of hornblende
dykes

along road.

also

perhaps structure of
road behind

Bob Ray's

17-181A Brecciated plag. porphyry.
Elevation $\approx 3600'$

Plag. porphyry at 3300'

STATION 17-182

Basalt. - contains Hb needles.
Elevation $\approx 3200'$

17-182A Grn. Brn. Andesite
Hb & Bi. crystals.
Elevation $\approx 3050'$

STATION 17-183

Plag. porphyry.
Elevation $\approx 2800'$
Red coloration of matrix

17-183A Green And. (sample)
o/c also has grn. agg & red. agg.
Elev. $\approx 2600'$

STATION 17-184

pp. agg. o/c has ^{grn.}agg & pp.agg
Elevation $\approx 1600'$

TUESDAY AUGUST 22, 1972

- PARTLY CLOUDY, WARM
- EAST OF PISQUALLY CREEK
ON HYBRID / SB CONTACT AREA

≈ Length of Traverse 6-7 miles

Climbing very poor (up 3000')

No rock - going up.

WEDNESDAY AUGUST 23, 1972

- Sunny & Hot.

N. of Skuhun CK. Rd & East of
Papsilqua Creek.

Contacts

SB/Hy

Hy/N

N/SB

several contacts

- 2 plag porphyries

1-SB

1-Nicola - spread on joints

THURSDAY AUGUST 24/72

- Sunny & Hot
- Plotting, cutting rocks, working on rocks; getting GMC lubed & oiled

FRIDAY AUGUST 25/72

- Sunny & Hot
- Cutting rocks & going over them

SATURDAY AUGUST 26/72

- Sunny & Warm
- Cutting rocks, packing & going over them

SUNDAY AUGUST 27/72

- Sunny & Hot
- Traversing south of Gnawed Mountain in proposed Ba/5K contact area.

Following EW cut line for 2000'
 station 17-192 Quartz-eye
 Skeena - Large square looking
 gtz.

Further along line the quartz looks more andesitic and then it looks more like Mono.

Monday, August 28 /72

Sunny & Hot
Working on fill in o/c's between
Chataway & Roscoe Lakes.

7a - just south of Roscoe Lake
Road SW of Chataway Lake
Station. - no o/c
just rubble. Bm + C

8 - some rubble but no o/c

7 - the same rubble but no o/c

9, 10, 11

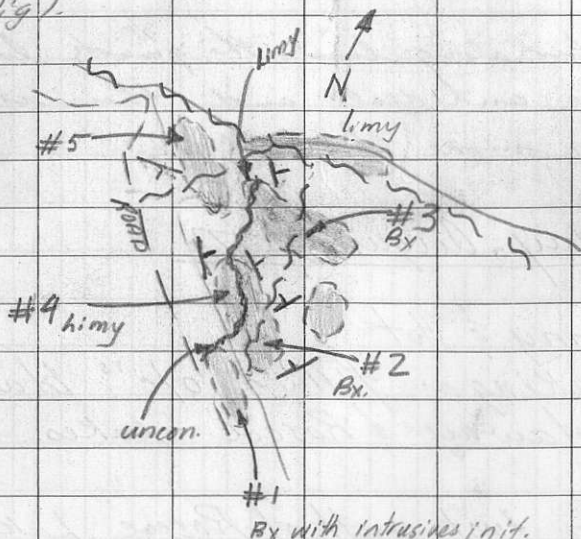
o/c in Trench 17-196

Tuesday August 29 /72

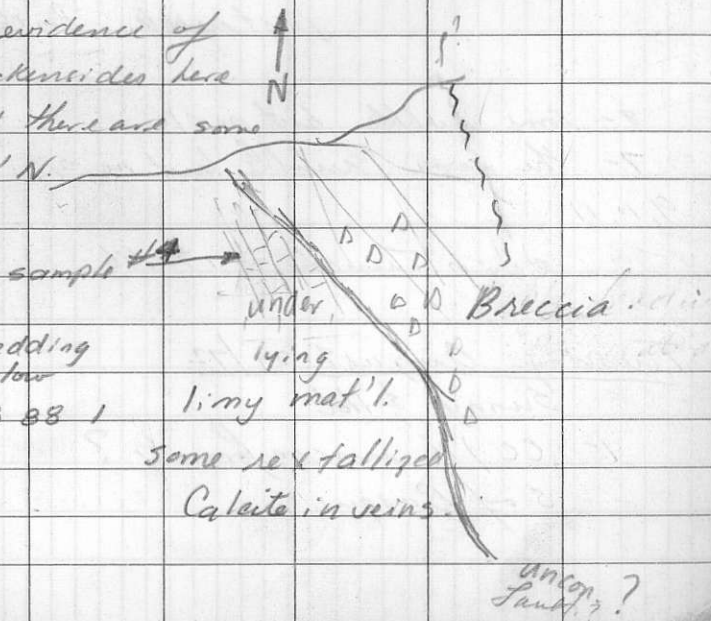
Sunny & Hot

1 - CC / N unconformity?
S of Basque.

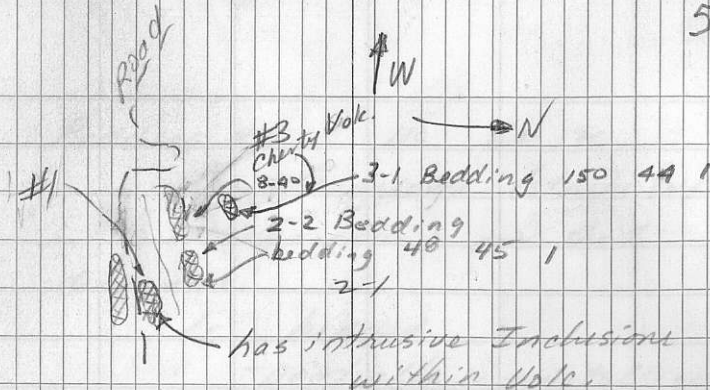
Fig 1.



No evidence of
Stictoceras here
but there are some
400' N.



Bedding
below
168 88 1



#2 Volcanic Breccia.

Good bedding

2-1 48 45 1

Bedding
Measurement -2-2 46 38 1

#3-1 Bedding 150 44 1

Slickensides 055

What looks like unconformity

angle of uncon. 150 60 1

Bx sequence overlies grn. ls.?

(Underlying rock is #4)

High degree of fracturing along
contact. Diag. 2 opposite page.

Bedding of Bx $\approx$ 11's uncon.

Bedding #5 NO 62 12

Quite variable (strike up
to 20° variation) over short
distances.

Ls. bedded.

- partially recrystallized

- looks like Cache Creek,

Part 2

Touch ups around Barnes Lake

- 1. 0/k on East shore of Barnes Lake.
- 2. Road 40/k E of Barnes Lake.
- 3. 10-26 area.

63 Wednesday August 30/72

- Petite Creek area.
- Sunny & warm

Two stations in fly
1 - amphibolite

Thursday August 31/72

Mostly sunny

Packing & Rock Shipping

Friday September 1/72

LAST DAY

Mostly sunny

Packing and leaving

N.T. make
Thin Sections of.

162, 166, 180, 182

1972

JUNE

S M T W T F S

1 2 3

No. Indian Gardens.

4 5 6 7 8 9 10

Chalaway arch.

11 12 13 14 15 16 17

Chalaway

18 19 20 21 22 23 24

Tuner Lake

25 26 27 28 29 30

JULY

S M T W T F S

Aberdeen

Spencer

2 3 4 5 6 7 8

Bridge. H. Valley.

9 10 11 12 13 14 15

Lower Nicola

16 17 18 19 20 21 22

Lower Nicola

23 24 25 26 27 28 29

Nicola

30 31

1972

MAY

S M T W T F S

1 2 3 4 5 6

7 8 9 10 11 12 13

H. Valley North

14 15 16 17 18 19 20

H. Island Valley

21 22 23 24 25 26 27

H. Valley

28 29 30 31

AUGUST

S M T W T F S

H. Valley
1 2 3 4 5

6 7 8 9 10 11 12

Primannis Hills

13 14 15 16 17 18 19

Primannis H. Valley

20 21 22 23 24 25 26

Projects Pack

27 28 29 30 31