

Hi Claim  
93N

671316

~~HARIVEL~~

COLIN R. HARIVEL

May 28<sup>th</sup> 1969

~~Thurs.~~

- moved in to Hi Group.

May 29<sup>th</sup> 1969

Thurs.

Day ② - Raining (showers)

- Radio sched. with Ft. St. James  
A.O.K. - resched. for Sat.

- 8:30 got visit by 3 men  
in TRANS-PROVINCIAL Beaver.

- looking for Alfred Bressette

Set Altimeter 2900 (camp)

- general recon. of prop.  
+ location for #100(+) claims

3425'

- location via 764' FN69-5-29  
elongate 1/2 of a traverse



29<sup>th</sup> May 1969 Page 3

Day 2

CH 69-2952 contd.

COLIN P. HARVEL

feldspars in nephelinites  
pyrite on fracture surfaces  
altered to limonite

some of the limonite within  
the rock - particularly associated  
with the mafics - is "good colour"  
for chalc. origin.

some fracture surfaces  
epidotized; sometimes veins  
and veinlets (up to  $\frac{1}{4}$ " width)  
with epidote + calcite.

- heavy fracturing in etc - several  
directions, outcrop generally  
massive nevertheless.

sometimes fractures filled by fine-grained acid material with only  $\approx 30\%$  mafic.

This attitude also corresponds to a weak foliation ←

May 30<sup>th</sup> 1969. Page 4

Day 3 COLIN F. HARVEY, windy

at higher camp 2900'

left camp 10:20

- ofc 1950' along location line

measures 50x10'

(called 'Syenite', i.e. intrusive)

- ofc 2020 -

along ridge

intrusive cut by basic dyke (?)

hornblende with calcite + epidote<sup>(es)</sup>

on vein-fracture surfaces

dyke CH 69-5-30-1

CH 69-5-30-2

radiating clusters of hornblende

(near reaction boundary - contact?)

and subhedral to euhedral

hornblende

← Fractures: 140/90° (along th. dir.)

dyke material after trends + epidotized  
fractures cont. calcite)

: 44/vert or sl north dipping

: 110/60° : 25/51E : 145/12W

grain size extremely variable

~~the~~ med. gr. acid intru. CH 69-5  
30-3

COLIN P. HARIVEL

May 30 1969 Page (4)

CH69-5-30-4 - new rock-type  
gabbroic texture - contact at  
2100-70'

"  
the sample taken at  
edge of burn on 2300' & 3540'

Altitudes 2800' (at least)  
(-100')

MAY 31 1969 Day (4)

- on claim line from H1 100#101  
to 12#103

- 720' +/- of volcanic breccia

(1)

CH69-5-31-1

(2)

+ coarse grained - (possibly?)  
with large crystal-lobes biotite

31-2

% as for [31-1] from 900'  
to 1100' along cl. line.

% [31-1] 1200 - 1280'

3/5<sup>0</sup>



1/2 24 216

106

107



102

CH 69-5-31-3

103

104

200

100

101



May 31 1969

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Day 4

COLIN P. HARIVEL

Sample CH69-5-31-3

o/c on n. west side of lake

300-500

③

also o/c to west 500' pt.

much o/c along s. east  
shore of lake

800 + 100 to SW

③

o/c with fractures; 10/70 E

120/70 S

May 31 ⇒ Hi #106  
#107 (units)

for units Hi #106, #109

traversed to 64 NW NE

- all o/c observed used to
- Coarse grained - trawse
- o/c on every top. high
- fractures both epidotized
- and much K-feldspar vein(?)
- end of fracture alteration

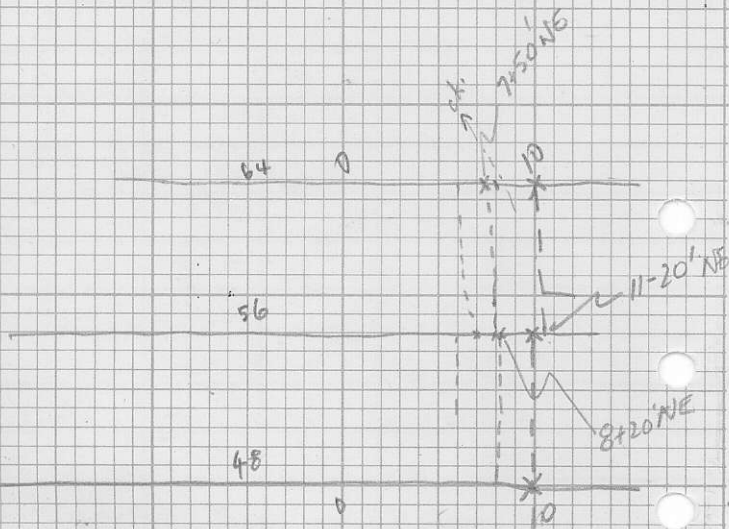


May 31 1969

fracture: (contd)

also: on fracture  
surfaces pyroclastic  
staining as well as  
limonite of various  
colours

also hematite on fr.  
(but old, surficial ox.)



June ① 1969

Day (5)

- late start: high winds,  
cool, much cloud (90%)  
wind from west (good)

flagging soil sample lines  
10 NE (64 NW to 48 N)

begin ↑ - end 10 + 80' NE on  
56 NW.

back to 10 NE, 56 NW.

June 2nd 1969 Day (6)

- Radio sched AOK  
- Chopper pad 2 1/2 miles  
inland.

June 3rd 1969 Day (7)

chopper pad 100 yards to  
west of campsite

June 4 1969

COLIN P. HARIVEL

Page 7  
Day 8

Sampling from 64NW, 10NE to 48NW, 10NE

- at 60NW, 10NE syenite to west 30'  
20 x 50

- at 58NW 10NE large ridge of %C  
(59NW 10NE to )

angular float in hole obviously  
derived from local rocks

- this location: some quartz vein  
with pyrite. In general limonite  
much more prevalent here  
than elsewhere. Rock type  
is pyroclastic porphyry volcanic  
with ~~and~~ pyrite & minor chalcopyrite  
filling fractures.

CH 69-6-4-1

- at 56NW, 10 + 50NE

soil sample in red interstitial  
organic rich soil

- di from 58NW to 56N all syenite  
sometimes cut by f.y. mafic dykes  
~~and other times~~ all by f.y. acidic dykes

~~Report to Cam~~

Tape to Joan

~~Code to Randy~~

look up sensitization

June (4<sup>th</sup>) 1969

Page (8)

Hi Group,

COLIN P. HARIVEL

54NW 10NE  $\frac{1}{2}$  syenite: fractures 48/90' - 55/90'  
05/90'

aplitic intrusion  $2\frac{1}{2}$  - 3" dyke

53NW  $\frac{1}{2}$  syenite to west 20' on SE head of  
ridge 100' exposed.

ended day with

B-69-11 (a, b) 248NW6NE

visit from Emier & Lea Leith

---

June (5<sup>th</sup>) 1969

Day (9)

soil sampling.

- line 8NE (48NW to 64NW)

---

June (6<sup>th</sup>) 1969

Day (10)

- visit from Cam

- moved to new camp in  
swamp

---

June (7<sup>th</sup>) 1969

Day (11)

- set up new camp.

June 8<sup>th</sup> 1969

Day (11)

- fine, warm, <5% clouds
- radio sched. cancelled & re-scheduled for 1830-1900 hrs this day
- re-sched. could hear F.S.J. + could transmit to "D" & "A" but all stations unclear in F.S.J.
- Randy transmitting F.S.J.

on line 140° from camp

- of syenite (??)!! CH-69-6-8-1  
(gabbroic texture)

(4)

heavy fracturing, quite magnetic med to fine-grained with occasional coarse-grained

saussuritized (!) + calcite on also generally saussuritized (superficial) limonite (hematitic → chalcop.)

CH \* \*

find minor malachite on fracture surface + minor chalc.

CH 69-6-8-2

sq. of py + malachite (2 samples)

CH 69-6-8-3

heavily pyritized + magnetic float.

June 8<sup>th</sup>

Page 17

- o/c on 140° traverse from camp  
few hundred feet past C869-6-8 1/2  
- syenite (?) > 100' to east of line

- more like coarse-grained diorite

- magnetite concentrated in  
1" circle with much micaceous  
material (house) biotite tall (?)  
+ linarite.

↑ this o/c to n.e. of lake which  
is due west of lake through which  
claim line runs. (plotted)

- o/c between above mentioned  
lakes C869-6-8-4

(5) \* epidactization along fractures  
- some epidote 1" thick  
- slightly magnetic

[6-8-4] displays grain  
of chalcopyrite

Radio sched AOK  
R.S. in F.S.S. 1830 hrs (complete)

COLIN P. HARIVEL

STAKING

Fe<sub>2</sub>O<sub>3</sub>

FeO OH

FeHSO<sub>3</sub> OH Na<sub>2</sub>D

Day (12) June 9<sup>th</sup> 1969

- staking from <sup>#106 #107</sup>  
toward camp ⇒ finish 116, 117

Radio  
5/100  
OK

Day (13) June 10 1969  
staking #118 - #127

↙

Day (14) June 11 1969  
staking #128 - #131

Radio  
5/100  
OK

Radio  
5/100  
OK

Radio  
5/100  
OK

Day (15) June 12 1969  
staking #132-137

Day (16) June 13 1969  
Staking #138-147

Day (17) June 14 1969

In camp - rest day  
maintenance & packing



③ GORDON'S SAMPLES ⇒

W.G.B. 69-6-19-1,2

W.G.B. 69-6-20-1,2

Day

June 19/1969

H1

GROUP

traverse from camp with  
Gordon

- down claim-line to #100-#101

- from post  $90-100^\circ$  + around  
south end of lake (see overlay)

(6) - going east to s. end of  
lake find coarse grained  
syenite? with copper (chalc) +  
py.  $\rightarrow$  Dioxide?!!

- at south end of lake find  
specularite, and Cu (malachite)

- around lake; more specularite.

Gordon

June 20 1969

traverse with Gordon to lake  
as yesterday - around north side  
of lake and thence east to  
creek to other small elongate  
lake - terrible going on walk  
home to camp on north  
side of swamp.

Rock Description:-

— See Gordon's samples.

June 21 1969

- Botting & analysis day.

(cloudy cool.) June 22 1969.

- traverse from camp to north side  
of swamp.

- traverse to pt. A no %

(11) - [A] talus of sub-rounded sub-ang. &  
ang. boulders

- one limestone (very gr. x + ls)

- epidotization + variety coarse + med.  
gr. igneous rocks

- [B] higher than [A] CH-69-6-22-1

% with epid., + quartz, + magnetite

also note Cu ⇒ WGB 69-6-22-1

↓ in coarse-grained hornblende (?)

↓  
bearing to camp 194°

altitude 3500' to be corrected at camp.

Feb 22 1969.

Page 2  
this date

[B] major fracture direction  
along which find epidote veins:  
164/33E (slumping?)

quartz in this orientation from  
thin (1/8") to 1" veins.  
also, some quartz post epid.

[B'] down from B 200-300 SW  
CH69-6-22-2  
limonite goosha.



rock-type sample of  
porphyritic syenite(?)

at B note: Cu (WGB) Cu in pods(?)  
also chlorite associated

B' very similar Cu

at this point epidote fracture 144/39E

also 44/74E, 165/60E, 36/83E

to north, 100' - 223  
43/59W

[C] veins of magnetite in  
med. to coarse-grained syenite(?)  
some epidote - not much  
(plotted on overlay)

etc this and previous areas (B etc)  
all generally massive with occasional  
intense fracturing (zones)

C + 200' north - very minor fractures  
~160° direction

prominent ⇒ 42/66E & 148/45W

13

June 22 1969

this date

D 183° bearing to camp - ch. - par.

⑭ Contact of previous country rock (22-3) with coarse-gr. equigranular diorite (?) - mafic is predominantly biotite with much clear plagi (?) with occasional K-feldspar twinned phenocr.

— on this % observe many x cutting relations of aplite, feldspathic and med. grained syenite + granitic dykes + veins also large (8") barren qtz veins, some off-setting of veins

coarse-gr. int.

Ch 69-6-22-4

This coarse-gr. is similar to intrusive encountered on 141 GROUP when working from Tchenth

E 200-300' towards ck (2310-315')

⑮ but % where epidote + qtz, prominent strikes 143/60E (this coincident with fracture alteration of f-spars (generally) in this coarse-gr. equigranular diorite (?) - pronounced foliation this direction

June 22 1969 Page ④  
this date

(E) Cu occurrences with epidote in  
fractures comparable to 143/60E  
WAB-69-6-22-4, 5, 6  
↓ <sup>in situ</sup>  
angular float.





June 24 1969

traverse to Post for 164  
165

- 9c on  $195^{\circ}-15^{\circ}$  traverse  
from camp

- hit small(?) zone of  $120^{\circ}$   
trending, porphyritic (plag(?))  
pink (superficial weathering(?))  
rock which is heavily  
fractured: contains much  
epidote & some copper

CH69-6-24-1

'gully' (actually lineament)  
trends similarly ( $120^{\circ} \pm$ )  
and separates highly  
fractured from blocky  
fracturing of coarse(?) grains  
nascent traverse  $\downarrow$  no. (type A) med. fine

Stakes #164, #165, #166, #166

June 25

 1969

Prospecting about Boudrault's claims.

Silt: WGB #1 (no flag,

1000' (guess) from confluence  
with Ck which flows from (HOL)

Ck - 6' w, 8"-1" deep

grain toed float  $\rightarrow$  pH  $< 6.0$

Silt good ~~in~~ quality: semi-ate  
sand and fines, with pebbles

- near prominent bend,

- hereafter trends north ||

WGB #2 1000' upstream &

in similar environment to #1

WGB #3 1000' upstream in

similar environment to #1

traverse from WGB #3 on 300° for  
7000' Thence  $\approx 295^{\circ} \rightarrow 290^{\circ}$

on this traverse took silt (fines  
with med. gr. sand) in small  
stream (1' x 3") in delta-like  
area entering swamp. For  
position see overlay.

JUNE 26/69

1800 / 1830

WGB 5

1000' FT DOWN FROM  
X-1

DES: CREEK - 6' WIDE  
6" → 1' DEEP, MODERATE  
FLOW, MUCH FLOAT,  
MUCH CO-ALLOVIUM  
CONTAIN. FINE & COARSE  
SAND FROM CENTER  
OF STREAM

WGB 6

1000' distr. from  
prev. in similar environment.

WGB-7

- 500' downstream in  
dr. which flows from lake

WGB-8

1000' dist. from ?

9 1000' " " 8

10 " " "

(4 at dam like crossing)

June 26 1969

500' downstream from  
#7 on east side of ch.  
sequence of limestone  
shale, sandstone & thinly  
interbedded carbonaceous  
beds & sandstone.

CH 69-6-26-1

no really obvious good  
fossils  
bedding 135/805

much calcite-filled tension  
fractures. & " " fractures

-26-2

↙

conglomeratic sandstone to  
pebble conglomerate. This set  
of % interbedded fine sands,  
carbonaceous shales (GORDON'S SANDS)  
and sandstones.