

012533

18 July 70

Weather: - broken ceiling
- some sun

Leg 1

Bearing 195° from
camp

555' - boulders of greenish
amphibolite & amphib.
gneiss
also boulders of bio. granite
gneiss

790' - boulders of bio. gr. gneiss

1500' - boulders of bio. gr. gneiss

3860' - end of leg at creek

Leg 2

bearing 185°

170' - S 062238

~~500'~~
500' - S 062239

1000' - S 062240

1310' - boulders of musc-gtz
- schist

1500' - S 062241

1810 - boulders of musc-
bi-gtz schist

2000' - S 062242

2500' - S 062243
- in seepage - wet.

2790' - boulders of ser-
gtz - sch.

2970' - musc-gtz sch.
~ 5-10% musc.

3000' - S 062244
on ridge top
- going down from
here on

3000' → 3150' - boulders
of amph greiss
- some pyrite
- mixed with boulders
of qtz sch. also containing
pyrite

3350' - boulders of qtz sch.

3500' - 062245

3710 - boulders of bio-
muc - ch. - qtz - sch.

4000' - 062246

4500' + 062247 - silt from
trib.

end of leg.

leg 3 bearing 145°

500' - 062248

1000' 062249, end of leg

Leg 4
Bearing 080°

300' - S' 062250
end of leg

Leg 5 bearing 015°

370' - claim line X

500' - S' 062251 - wet

750' - S' 062252 - across
creek

S facing slope
end of leg

Leg 6
Bearing 080°

500' - S' 062253

1000' - boulders of musc
- Al Schlot

S' 062254 R 062255

Leg 7

Bedding 005°

325' - boulders of well-sheared, bio + qtz-schist.

500' - 062256

630' - boulders of bio. qtz-sch + epidote greiss

670' - rusty green chl. schist boulders

780' - bio qtz sch. blders

900' - - top of ridge
- down hill from here to creek.

1000' - boulders of mylonitic qtz sch - musc.

5' 062257

1910' - soil sample
S 062258

- frozen
- no sample at 1800
due to no soil available

2135' - just' near creek
silt from seepage
T 062259

2150 - at creek
zero in

000 - at 005° from
creek to camp

550' - T-062260
- seepage - dry NW

3545' - boulders of
bio. gr. gneiss

3665 - same

3870 - same

4165' - same

~500 NW of old on
ridge
end of leg.

13 July '70

Traverse # 8

on Crown Group

Weather: overcast - drifting

Leg 1

from old near camp bearing
357°

000°: crs. bio granite
- some rust
- cleavage: 002/50W

50' - 300' - boulders of crs. bio granite

1170' - boulders of rusty
altered leucogranite with
pyrite and rusty altered
leucosyenite
samples: C16
C17

1200' - altered leucogtz-syenite
very rusty - chlorites
- contains as siliceous
phase + galena (?)

samples:

C18 (3 pieces)

some qtz veins - pyrite
sample C19

good looking rusty pyrite
sample C26

more qtz veins - galena
samples C-21

- mineralization mainly restricted
to qtz veins (?) or qtz rich
rock - white, milky qtz.

- appears to be vein like
galena + sphalerite in
rosettes or clusters with
pyrite.

very little veining of galena.
many samples
C21

possible strike of mineralization
determined from boulder distribu-
tion is $\sim 155^\circ$

distribution of leucogranite +
syenite boulders + vein material
is $\sim 100'$ E-W + $\sim 50'$ N-S

1214' - boulders of leucogranite
+ leucosyenite continue to
here

1635' - large boulders of
res. bio. granite

2400' - boulders of leucogranite
- altered - in frost soil
- some altered bio $\sim 20\%$

2460' - boulders of altered
leucogranite in frost
soils - also boulders of
rusty res. bio. granite
- no visible outcrop, however
is a prominent ridge

Log # 2

Bearing 050

100' - boulders of altered
leucogranite
- cr. gr. \approx 50-55% qtz
- rusty

sample C-22

- very silicified in places
 \approx 80% qtz
- many rusty cavities
- some pyrite

sample C-23

300' - still in altered,
silicified leucogranite
- rusty
- boulders

435' - large frost boils
containing nothing
but boulders of rusty,
altered, silicified,
leucogranite sample C24

375' - still in sil. leuco-
granite
sample C26

650' - still boulders of
altered leucogranite

765' - very fine-gr.
cherty rock in part
- boulder in part but
in leucogranite
- contains py + galena
possibly from quartz
doesn't appear to be
mylonitic.

correction - is due to
brecciation + shearing
some boulders of sheared
breccia containing fragments
of granite
- some good looking
mylonite as well
- end unknown, poor
boulder pattern
some yellowish stain

815' - still in mylonite
- sheared granite
very siliceous
- yellowish stain (?)
no visible sulfides
sample C28

835' - mylonite ± pyrite
sample C29

875' - brecciated leucogranite
with pyrite

925' - mylonite ± py
sample C30

970' - boulders of siliceous
gray mylonite ±
py
also sheared, brecciated
leucogranite

1000' - cherty mylonite
± lots of pyrite

rusty
sample C 31 (3 pieces)
pyrite, galena(?) in
a cherty gray mylonite
possible MbS_2 present - yellowish
stains.

mylonite zone appears to
end at 1040'
zone rich in pyrite is
~ 50' wide
linear trend on ground -
slight escarpment has
trend: $\sim 150^\circ$

1040' - end of leg.

Leg 3

Bearing 330° along
mylonite zone
310' - boulders of mylonite
leucogranite, breccia extend

to here from 000
- less boulders now
good breccia
sample C32

450' - only the odd boulder
around
- mainly altered leucogranite - silicified

620' - sheared, mylonitic
leucogranite
- abundant rust +
goethite

700' → abundant boulders
- sheared leucogranite +
rusty breccia

775 - very cherty, gray
mylonite with
abundant pyrite
sample C33
mylonite breccia C34

825' - etc of mylonite
- breccia ÷ pyrite
- some good gossam

965' - end of alcrop
- end of leg

Leg 4

Bearing 050°

0-60' - boulders of sheared
+ brecciated leucogranite
rusty + altered

115' - boulders of leucogranite
÷ pyrite

500' - some boulders of very
altered leucogranite
end of leg.

Leg 5

Bearing 150°

55' - crs. gr. bio. granite.
boulders
- slightly cooked c.
Mn stains + slightly
altered biotite

455' - rusty altered leucogranite
boulders

525' - same

730' - well altered leucogranite

760' - leucogranite breccia
sheared, rusty + altered
- another fault zone
- in linear striking
~ 125°

850' - large boulders of
crs bio. granite
slightly altered and
rusty

1200' - mainly large
boulders of red-
granite but altered
leucogranite coming up
in frost trails
end of leg
- possibly a bit to the
right

Leg 6

Bearing 230°

170' - altered leucogranite
boulders

310' - sheared, altered, rusty
leucogranite boulders
in soil

565' - altered leucogranite
boulders

765' - end of leg

14 July '70

Traverse #9

Weather - 0.0 in fog

Leg 1

Bearing 060°

- 665' - crossed claim line
- up to now, only the
odd, large bio. granite
boulder.
- 710' - sheared + altered boulder
of leucogranite
- breccia \dot{c} qtz + granite
fragments
- rusty
- 1160' - boulders of rusty
breccia
- fragments of granitic
material
- rusty cavities
- galchite veining
Sample C33

2385' end of leg
no boulders at all!

Leg 2

Bearing 110°

120' - boulders of rusty
altered leucogranite

185' - altered, rusty leucogranite
- some sheared - in
frost tails

365' - crossing linear
at 150°
- rusty leucogranite
- some breccia

625' - boulders of rusty
siliceous leucogranite.

780' - same

1000' → 2000' large siliceous
granite boulders

2110' - boulders of altered
leucogranite in first hole
sample C36

2190' - brecciated leucogranite
boulders & pyrite
C37

2210' - pyrite in altered
leucogranite
- qtz ~~very~~ material & pyrite

2335' - etc of crs. bio granite
- fresh
~45% qtz
~5% biotite

fracture cleavage: 050/90
end of leg

leg 3
Bearing 245°

150' - boulders of aplitic -
clastic border type
leucogranite in first hole
& pyrite
sample C38

790' - larger boulders of
crs. bio. granite

1185' - just across creek
- etc of crs. bio. granite
- large boulder (?) pretty
damning if one ???

1290' - crs. gr. bio. granite
boulders in first foil

1590' - mainly boulders of
altered, rusty leucogranite
= some of bio. crs. granite

1680' - boulders of very altered,
silicified leucogranite
some gtz veining
~ 60% gtz in some leuco
granite
sample C39

1780' - slightly altered bio. gr.
boulders & sheared, mylonite,

rock & pyrite

sample C-40

Boulders mainly sheared,
brecciated leucogranite
and cherty mylonite
pyrite in most
- some good breccia

1935' - boulders - rounded
of crs. bio. granite

2095' - brecciated granitic
rock boulders

2240' - end of bay
large boulders of crs.
bio. granite

Leg 4

Bearing 170° for 2640'

180' - boulders of altered
leucogranite in part but
surrounded by rounded
crs. bio. granite boulders

720' - boulders of altered
leucogranite in first-
boil
some pyrite
sample C41

790' - boulders of slightly
altered bio. crs. gr.
granite
- intermediate between
leucogranite (invariably altered)
+ crs. bio granite (invariably
fresh) ?
sample C42

850' - vegetation break
- into swampy, marshy,
mossy, stunted spruce
Contact ??

880' - boulders of crs
bio granite.

1280' - boulders of med gr.
max. bio granite

- border type
 - ~ 2% bio
 - ~ 1% musc
 - ~ 1/2% magnetite
- probably well across contact

1400' - hybrid contact Rx

1545' - boulders of border-type granite
 some chlorite-amph
 inclusions
 - magnetite & bio

some very muscaceous contact
 Rx
 - cut by aplitic dike

1660 - boulders continue to here

2055' - boulders of amphibole gneiss
 - some epidote veining

2230 - still some granite boulders

2435' claim line
running:
end of leg

Leg 5 Bearing 290°
along claim line

535' - near creek - east
bank

- boulders of both
crnph + borden type
quartzite
- no etc

200' - claim posts for
claims # 45, 46, 47
+ 48.

1315' - end of leg
- no etc or boulders

Leg 6

Bearing 320°

- 140' - boulders of amph.
- bio. granite gneiss
- contact phase of
granite?
- 250' - boulders of amphibole
or amph. gneiss
~ 80% ~~thc~~ - altered
- 270' - boulders of musc
- bio. granite gneiss
- border of granite?
- 320' - boulders of bio
granite gneiss
- 465' - still in some
- some py
- some clear, cherty
qtz vein material
- barren

815' - still in boulders
of bio granite gneiss
but now more granitic
material + a bit
juiced up
- specks of lily here + there

1100 - still in same

1200' - last of boulders

1400' - green amphibolite
fr 90% amphib
boulders

1530' - granite gneiss

1855' - altered lens-
granite boulders

2000' - same

- somewhat
sheared

Traverse 10

16 July '70

Weather: lousy - overcast
- in clouds
visibility ~ 500'
- red below ~ 1000'
- little rain

Leg 1

Bearing 135° from camp

335' - foot wall with
boulders - mainly
fine-grained, sheared,
laminated contact Rx
with some pyrite [C45]
- a few boulders
of amphibolite just
graded with garnet
sampled C44
- sheared contact Rx

C45

- fair amount ~ 30%
of muscovite in
sheared, contact
type granite
- pyrite common

650' - boulders of amphibolite
- veins of epidote containing
pyrite & galena (?)
sample C47

830' - - boulders of aplite
cutting amphibolite
- magnetite & py in
like material
- beautiful metamorphic
textures in aplite
C48
- much rust & py in
places
sample C49

885' - boulders of granite
gneiss
~10% bio.
- mylonitic in
places

1130' - mylonite
sample C50

1135' - sheared augen granite
gneiss boulders
in ~10%
- some split like
material - carries py

1375' - still in bi. granite
gneiss boulders

1485' - still in same
- some boulders of
sheared ultramafic
- gabbro - now badly
altered - some py
sample C52

1655' - end of log in
boulders of bi. granite
gneiss
- some amphib. boulders

Leg 2.

Bearing 170°

175' \rightarrow boulders of
bio-granite gneiss

365' - still in bio granite
gneiss boulders
- however more hbd now
~ 10-15%
- some boulders c much py
- up to 500'

505' - boulders of mixed
up amph gneiss

530' - etc of amph. gneiss
foliation 108/645'

penetrative lineation
(qtz rods + amorph growth)
~ 293/18

good joint system 170/85W
right hand microfaults
135/90

L3: 192/63

- small drag folds
in right hand
movement



- not all amphib gneiss
- mainly big granite
gneiss in amphib rock
layers

670' - end of leg on the
of big granite gneiss
+ amphib gneiss

leg 3

Bearing 330°

115' - end of old area

310' - boulders + bio-hb'd
granite gneiss
med-gr. - well foliated
- gray color

440' - large frost ball of
boulders
- mainly bio-granite gn.
sample c51

725' - etc ~ 100-200' to
left of line
- gray bio granite gneiss
- well foliated
107/785
Lr: 292/23

1305' - boulders of bio
granite gneiss

1655' - boulders of bio
granite gneiss
- epidotized

2200' - highly epibiotized
bio. sp. sp.

2700' - end of leg
1:00 P.M.
expecting JCB + G.D.
~2:00 P.M.
back to camp

17 July '70

Traverse #11

Weather - faint sunshine
- closing in to SE
- threatening

Leg 1

Bearing 245° from camp

550' - boulders of amphibole
gneiss

840 → 1615'
boulders of bio granite
gneiss
- well foliated
- gray, med. grained
Pg in some boulders
- some sheared boulders
- sub mylonitic

1615 - crossing stream line

2810' - boulders of bio
auger granite gneiss

continue to 3000'
3000' - at creek
end of leg.

Leg 2
Bearing 245°

500' - soil sample 062201
- good B horizon
- dark gray

1000' - boulders of bio. granite
gneiss
gray, well foliated

s.s. 062202

1500' - s.s. 062203
boulders of bio. q. gn.

1665' - boulders of bio. q. gn.
~15% bio

2000' - s.s. 062204

2390' - claim line

2500' - S.S. 062205

2615' - boulders of quite
siliceous bio. qtz. gn.
- very finely disseminated
metallic mineral
- m.s. 2 ?
sample C53
(2 pieces)
- actually it is a
bio. qtz schist
- some qtz veins - white
bluish

3000' - ss. 062206

3140' - boulders of bio.
qtz sch.
well foliated

3250' - end of sq. - near
western margin
of group

Leg # 3

Bearing 200° || to
claim group edge

250' - ss. 062207

- line runs ~ 200' east
of claim group edge.

610' - boulders of bio-musc
gneiss
- well foliated, equigranular,
med. gr.

750' - ss. 062208
end of leg.

leg 4

Bearing 130° - along to

140' - beginning of etc
- mainly a bio-servite gtz
schist
- well foliated + sheared
- felsenmer mainly
- some barren gtz veins

500' - still on etc - south
side
- same rock

s.s. 062209

rock geochem: 062210

well foliated 133/68N
end of leg

leg 5

Bearing 200°

500' - s.s. 062211

toulders of bio gtz sch.

1000' - 20. 062212

1500' - S 062213

2000' - T 062214 - dry
trib!

2500' - S 062215 - swampy

2900' - boulders of musc-bis.
qtz schist
- bit rusty

3000' - S 062216

3260' - boulders of bio
sericite qtz sch.

3365' - boulders of chl.
- bio-qtz sch.

3500' - S 062217

3710 - boulders of ch.
amph. grains & py
C 54

3900' - boulders of sm.
si. gl. sch.
- some engers + py

4000' - 5062218

4500' 506219

end of leg

Leg 6

Bearing 110

3000' - boulders - ch. amph
sch.

500' - 5062220

1000' S 062221

1500' S 062222

2000' - 223

2210' - boulders of chl. -
amph gneiss & py

2500 062224

2605 - boulders of
chl. amph gneiss

3000' - boulders of
amph gr. & py + po

s. s. 062225

Log 7

Bearing 348

500' 20, 062227

1000' 062228

1500' - 062229

1820' - boulders of bi-grtz
sch. - E py
- rusty

2000' - 062230

2400' - boulders of amph
cht. schist

2935 - etc of amph-cht.
schist

foliated: 120/85N

3000' 5 062232

3400' - boulders of chl.
schist

3635 . S 062233

3900' - veering to left
- on old road
- end leg here

Leg 8

Bearing: 335°

000' - foliation 060/35NW

L₂ → 265

18

- mica g₀ schist
- rusty

250' - same old
fol. 065/70NW

435' - mica gtz sch
- rusty
some py

1150' - high ~~to~~ of sheared,
ch mica gtz sch
rusty
foliation 080/90

1500' - sheared graphitic
gtz sch

1640' - same
rock geochem
R 062234

2120' - end of leg
- at lunch spot
- still in old
- mica gtz sch.

Leg 8

Bearing 075° To
Creek

930' - S. 062235

1860' - S. 062236

3330' T-062237
seepage.

3530' - creek

Leg 9

Bearing 037 to camp

1400' - bio. gr. gn. boulders