

012386

Minn - Group

2 Aug. '70

Traverse # 1

Leg 1

Bearing 245° from camp

100' - near splitter

- boulders of a gray, med-gr. bio. qtz monzonite
- $\approx 70\%$ bio.
- $\approx 10\%$ Hbl
- $\approx 35-40\%$ qtz
- white feldspars.
- equigranular; subhedral Hbl etc.

400' - near contact to new rock type

- boulders of a fine-gr. diorite - Hbl + plag.
- subophitic texture
- porphyritic in most boulders
- phenos. rounded, of qtz, plag.

- could be dacitic andesite
- appears to be volcanic
- only about 50-100' wide
- back into light gray
qtz monzonite boulders

500' → 600' - more boulders of
qtz monzonite
- partly psyhritic
in places & larger
hbl phenos

900' - boulder of qtz
monzonite cut by
fine grained albite
dike in contact
phase

- just SW of open patch

1035' - boulders of qtz
monzonite

- lacks of hbl
- irregular to
sub psyhritic

1180' - large first bed
of qtz monzonite boulders

1480' - boulders of qtz monz.
- mafic bed crusted
out superficially

1735' - boulders of qtz
monzonite
- fresh

1955' - same
i ~ 30% qtz

2020 - same

2685 - same

2935' - little to the
left of line
- boulders of porphyritic
qtz monzonite (bed
plum) i pyrite

sample M 1

3000' - small pct of
porphyritic Qtz, muscovite
- hbl altered + feldspars
- more cloudy
- not as fresh

3015' - same, but hbl
more altered to
chlorite
- rusty, biotites
sample M 2

3110 - end of otc
- end of log
- Qtz more increasingly
more altered
- Remnant staining
- hbl almost all chl.
- rusty mafics
- white, bleached, feldspars

Leg 2

Bearing 280°

500' - boulders of fresh
qtz monzonite
sand - porphyritic

800' - end of leg on
rusty etc
- mainly felsenmore rubble
- not far from etc
- rocks are a rusty + altered
qtz monzonite
hd \rightarrow chlorite + Fe-Ox
Biotite - rusty

- feldspars cloudy + rusty
- zones of fractured
+ brecciated qtz monzonite
which has been intruded
by siliceous + / or aplitic
material containing pyrite,
chalcopyrite + a finely
disseminated, bluish
mineral (MoS_2 ?)
samples taken here

are labeled as 'A'
showing 'A'

- these small intrusions of aphanitic siliceous R₂ are several in no. but are narrow ~ 1-6" wide
- country rock near such a dike or vein is more siliceous, associated + altered
- trend of mineralization: unknown

Leg #3

bearing 255° up
ridge to dome top

180' - rubble etc. of
mostly altered g₁ mag.
- cut by numerous
veins +/or dikes of aphanitic
siliceous material
containing Py, cpy, MoS₂,
po

- yellowish stains from Moss
- trend of mineralization unknown
- labeled as showing 'B' samples taken

220' - out of rusty zone
 - into less altered
 gray qtz monzonite
 - no labeled
 - still etc.

300' - another narrow zone
 250' of silicified (?)
 brecciated qtz monz.
 with altered Hbl + Kfs .

300' - 650' - etc of slightly
 rusty, fresh qtz monz.

770 - foot of dome
 - into boulders of
 porph andesite

825' - boulder of
brecciated g^g monz.
- plenty of py
- more of tourne
py + kpy in breccia
- samples M3
(2 pieces)

- also boulders of
dacitic-andesite
- contains 1/2% py

955 - boulders of
both reddish gray
porphyritic dacite
& brecciated g^g monz
- both contain py & po
- also fresh, unshattered
g^g monz.

1000' - boulders of only
porphyritic dacite -
andesite
- gray color
- massive
- qtz, plag + mafic
shines
- some py

1275' - boulders of massive
dacitic andesite
- porphyritic
- old sulfides
py, po, cpy

- sample M4

1890' - at SW end of
Dome
- end of by
- still in massive
dacite - and,
- less sulfides
only - some py
- some porphyritic is large
2/2

Leg #4

Bearing $\sim 315^\circ$ along
ridge

0-330' - no boulders
or etc

330' - boulders of psych
dac. and etc on py

500' - end of leg on
knob.

- Leg 5
Bearing 005° towards claim
line

1760' - end of leg

- no boulders or etc

at posts 49, 50, 51, 52

Leg B

Due east 090 along line

2800' — up slope to
camp
- fresh gtz mangonite

2800' → whole slope
of fresh gtz mang

Rock geochem
sent out Aug 2/70

R 071101 + R 071102

↑
showing
B

↑
showing
A

for Cu, Pb, Zn, Mo

Min

3 Aug '70

Traverse #2

Weather: overcast + cool

Leg 1

due south from camp
along 0 W grid line

45: porphyritic g
microfite boulders
- 1/2" phenos of fresh
abd
~ 20% mafics
(7% bio)
(13% abd)
~ 35% gtz

off to the west of
line

Traveling ~ 210°

- into boulder of porph.
green-gray andesite
- play phenos
sample M5

- also smaller hbd phenos

volcanics rest on top
of ridge

- further down on E facing
slope, boulders of aplitic
C py

Sample M6

ow 225' - slope is rusty
soil

- rusty boulders of altered
g.m

- cut by aplitic + g
veinlets of dikes

- very little sulfides