

Slight Slope South

81 TAC 69 9N OE

• 5cm A

12cm B

- muddy black brown
wet soil

- 5% organics

670103
CAMP DELTA
93F/14 1981

81 TAC 70 9450N OE

• 3cm A

- 18cm B

• Brown Red moist
few pebbles.

81 TAC 71 10N OE

4cm A

15cm B

wet muck mud
lots of pebbles

Binta NE

R Campbell

May 23/81 Binta Lake NE

As. Vert. Dist.

| | | | | |
|-------|---|-----------------|--|------|
| Start | A | 246° | | |
| FS | B | 246° | | 813' |
| BS | A | 66° | | 813' |
| O | B | X | | |
| FS | C | 263° | | 617' |
| BS | B | 83° | | 617' |
| O | C | | | |
| FS | D | 255° | | 633' |
| BS | C | 75° | | 633' |
| O | D | | | |
| FS | E | 252° | | 524' |
| BS | D | 72° | | 524' |
| O | E | | | |
| FS | F | 261° | | 621' |
| BS | E | 81° | | 621' |
| O | F | | | |
| FS | G | 255° | | 500' |

| | | As | Vert. | Dist. |
|----|---|------|-------|-------------------|
| BS | F | 255° | | 500' |
| o | G | | | |
| FS | H | 274° | | 386' |
| BS | G | 94° | | 386' |
| o | H | | | |
| FS | I | 259° | | 400' |
| BS | H | 79° | | 400' |
| o | I | | | |
| FS | J | 255° | | 407' |
| BS | I | 75° | | 407' |
| o | J | | | |
| FS | K | 250° | | 614' |
| BS | J | 70° | | 614' |
| o | K | | | |
| FS | L | 226° | | 3 481' |
| BS | K | 46° | | 481' |
| o | L | | | |
| FS | M | 212° | | 713' |

A) Granite possible Intrusive
very small veins of a dark
mineral intrudes the granite

- Weather surface is ~~beige~~

beige ~~white~~ beige

- Fresh is pinkish grey

On the weather surfaces there
are the odd patch of rusty
colour

- Outcrop is hard to see due
to the overlying rubble which
is of the same material

- Sample I

- Prominent Fracture Pattern

346° Dipping 42° N

scratch
scratch

B) Finer grained granite

Shows signs of alteration

Dark mineral in rock is ~~graphite~~ Hematite

dark ~~black~~ Red Streak

Outcrop too small to determine

Fracture patterns or strikes

Dip

B) weathered surface all
rusty

Fresh is more grey

Sample II in Bag

c) very small outcrop rusty

weathering looks like a

Rhyolite. It has small phenocrysts
of a ~~small~~ brown crystalline
mineral around these phenocrysts

is a rusty zone. The Rhyolite
is a grey fresh colour

Sample 81 Rk3

Highly Fractured Outcrop

too small and covered

to obtain data. May

be two types of rocks showing
one more altered than

the other the more altered
one is closer to the

granites possibly a contact
zone nearby.

Note ① - Cleared area Between B
& D has a fair bit of rhyolitic
rubble on the ground all
the rubble is light yellow with
~~the~~ rusty weathering.
Some of the rubble has quartz
veining but no apparent
mineralization. The rubble
changes texture + composition
through out clearing.

Sample III - picked up 300' at
140° from station C. It is a
highly altered rhyolite. In
sections of the rock there is
a circular texture with
lines running radially to
the center of the ~~circle~~
circle. There is also a dark
mineral phase in the rock.

120'

Several

Outcrop D - consists of ~~2~~ types of Rock Sample IV found ~~near~~ at far end of outcrop towards B has a rusty exterior and a yellowy rusty ~~base~~ fresh colour highly altered with grey quartz veining with rusty speckles all through

255070

Sample V has a rusty exterior but is made up of mostly grey quartz some ^{Disseminated} mineralization. Possibly Pyrite. Lenses of a

Purple flow can be seen

Sample VI Rusty exterior with fresh grey colour Quartz veining.

Sample VII Possibly an intrusive mauve colour circular texture

255080 Sample VIII similar to above but finer grained and shows mineralization. ^{Disseminated}

Sample IX light coloured with purple streaks.

Rhyolite

Granite

Al. Ry

Min. Ry

Al. + Min Ry

D) Too much overburden to determine any structural details about the rock.

Outcrop E Rusty weathering
More fresh colour
Rusty grade internal structures
mineralization ^{Disseminated} Sample X
Glacial Gouges 65°
Fracture 134° unable to
get Dip. $+35^\circ$ Dipping E 15.5°

Note 2 - rubble in this area
has linear veins of grey
quartz. Some thick aug.
Pinkish rhyolite

Outcrop F Rhyolite pinkish
grey fresh white weather
the odd pink & green crystals
highly fractured some rusty
weathering small out
crop. Disseminated mineralization

RX6

FIELD (S)

fsp = feldspar

qtz = quartz

xl = crystal

F) Fracture 30° no Dip
determined

Outcrop G) - Rhyolite No
structure able to determine
Nonmineralization

MAY 26/81

Outcrop:

- H) Light grey rhyolite with very
pale greenish bands (possible flow bands)
- highly weathered, leaving a rust
staining throughout
 - few quartz phenocrysts averaging
about 1 mm across
 - also contains few small veins (2-3 mm)
of greenish and pale orange "clay-like"
material
 - this is possibly an alteration product
or a late-stage in filling of gas bubbles
 - no visible mineralization
 - glacial striations strike 61°
 - ~~large~~ fracture strike 110° , dip 47° SE
another fracture strikes 137°

I) Similar rock type

- find small (2.5 cm) ~~radiating~~ radiating needles of white mineral (almost cone shaped)
- ~~some~~ ^{very} fine visible mineralization occurs

- difficult to identify ^{Hammer chips} but appears extremely soft, ~~radiating~~, silver to black, flaky

- towards station E banding becomes more prominent and you find slightly more green colour
- find small scale (1-2 mm wide) veining of cherty material possibly qtz.

Sample XII

J) light grey rhyolite

- appears somewhat finer grained
- has fewer qtz phenocrysts
- some samples appear more pink possibly due to higher K-spar content
- highly weathered as before/dove

- no visible mineralization
except one cubic metallic xl.
possibly arsenopyrite

SAMPLE XIII
25509C

- K) - a very pale green ~~rock~~ ^{rock} ~~7"~~ ^{7"}
- areas of a faint purple colour streak throughout the rock
 - no phy. phenocrysts visible
 - rock is quite weathered with rust staining
 - rock is fairly soft with a coarse sandy-like texture (grainy)
 - SAMPLE No. XIV

- L) - outcrop on S side of road having poor exposure
- a very pale green tuff-like rock
 - green material is soft and appears as a small (1-2mm) nodular network interwoven with fine cherty quartz veins resulting in a sieve-like texture
 - rock is highly blacked and shows some rust weathering.
 - towards station I rock takes on a more banded appearance

25510C

- contains few phenocrysts (possibly feldsp) which are highly altered to a soft green mineral possibly a chlorite or clay
- some fracturing, strikes 165°
- still further along towards SECTION I rock becomes more bleached to a pale blue-purple colour
- banding becomes more obscure
- visible mineralization appears as disseminated specks and larger ($\leq 2\text{mm}$) spots
- spots are a metallic silver in colour but scratch to a rusty red (possibly hematite)
- SAMPLE XV

- M) - 1 highly weathered rhyolitic rock with very few qty. phenocrysts
- some samples show flow banding of a grey cherty material
 - rock is predominantly a very light pale green
 - no visible mineralization can be seen
 - some fracturing visible strike 202°
 - approx. strike of unit 17°

- rock type continues eastward thru cleared area ~~is~~ showing up in a few very small outcrops
- most remain highly weathered and bleached
- fracturing is also quite extreme however this appears to be due primarily to weathering and there is no preferred orientation of fractures
- some samples contain minute magnetite

- N) - heavily bleached & weathered schistite with layers (2-4 mm) of quartz phenocrysts which are darker than usual
- they also appear as micro flows along hair line "cracks"
 - most is rubble but a very small area appears as outcrop

- found some minor outcrop near S end of mapped area (off secondary log road); appears schistitic with minor outc. of biotite & quartz phenocryst
- highly bleached & also has trace of magnetite

FIELD (S)