

CAMP #2

June 7

020509

Geochem FGS-1-22

Glg - lost sample 20
- lost location 44 (R)

345° - for till long lake
- 1700 p.m.

- followed ridge along to
little lake.

little lake - Big lake
near camp 152°

105-E/15

①

Location 45 (S)

- - 470 mas along 352°

- dumps or rubble - large blocks
- conglomerate
rounded pebbles up to 1" of
qtzite, chlt, argillite + ltgy
- cream f. gr. volcanic
in a matrix of of same sand
size material of same comp.
- non calc. ltgy

T70-1-21

sandstone, gist

- pebbles of mat. 1 cm dia of
chlt, ltgy, chlt, argillite, ltgy
qtzite + creamy volcanic in
sand size matrix of qtzite + chlt
grains. ltgy color

sandstone

- med-crse gr sandst
- same as matrix of
above

associated with slump blocks
are small $< 1''$ pieces
of lggy indur. sandy shale
- shale

some coarse grain of clay & ch.
minerals (feldspars) in carb.
shale matrix some plant frag.

Location 46 (T)

~~600~~ 630 p.m.

- rubble

- W. side of rd

- 4' x 6' chit. long

- lit. gr. - rather orange brown

-

- like T70-1-21

Location 47(U)

- outcrop - steep & cliff like
- 762 paces along, 352°
from camp

- volcanic?

sample T70-1-22

Dark gray, sparkly; weathers to rusty
and grey brown.
mainly hornblende with some
olivine. Hornblende is in crystals
~ 1.5 mm. + in lathes. Olivine
weathers to reddish colored hue
over the material
→ olivine diabase?

~~po~~
porphyritic
andesite

Location 48(V)

- 795 paces.

- outcrop above 47

- sample T70-1-~~22~~ 23

med grained
med green-grey weathers to
rust brown + purple.
Probably hypersthene with
olivine \Rightarrow ~~th~~ th.
slight mineralization

porphyritic andesite

50 further away

- fine gr. agam' ashi'
T70-1-22

porphyritic
andesite

Location 49 (W)

- outcrop on North side road.
- ≈ 100.5 paces - to the rt of the line.

- f.g.

porphyritic
andesite

Location 50(X)

- subexp - s. end 2nd knob.
1105 paces

- sample T70-1-242

- Dark grey green \rightarrow lt grey green +
rusty patches.

Fine grained.

appears to be much olivine in
groundmass, + also olivine
phenocrysts of \approx 1.0 mm.

porphyritic
andesite

at 1150 paces

T70-1-24b

crs. gr.

med grey green.

much like 24a.

slight mineralization -
copper color.

Ⓐ
porphyritic
andesite

Location 51 (Y)

- outcrop at 1348 paces

- T70-1-25

same as 24a

olivine weathered to leucite
in some of phenocrysts.

porphyritic andesite

Location 52

- rubble on ridge
near W end of Long Lake

- alk fgr. ultramafic

porphyritic
andesite

1700 paces
- long lake

53

Location ~~52~~ (2)

- ~~at~~ 250' ~~from~~ to east of
1260 paces along 152° course

- outcrop of rubble

- conglomerate

- subangular to subrounded
pebbles up to 2" of quartz
chlorite, cream-brn colored
with volcanics, & gneiss
matrix in a

matrix of v. fine sand size
qtz & cream colored clays.
Clays ~ 60% of matrix
iron oxide where with

- typical Tientan type.

54.

Location 54 (A₂)

- 1700 ft
= 400' from $\frac{1}{4}$ west
from 1700 paces on 3 $\frac{1}{2}$ 15' 2"
- rubble

- sandst

med-coarse gr. lt. gray

- quartz + ch. argillite grains

angular - subrounded

few white clay grains

Some grains up to 1 cm

- much like T70-1-21

Location 59 (B6)

- 1850 paces along 152° cise


rubble

sandstone

- predominantly ^{med} ~~fine~~ ^{up size} grains of alkali clays (volcanic)
 lt grey - creamy brown
 also of grains
 tan - brown color

- tuffaceous sandst

56

Location 58 

- rubble

- 1850 paces along 152°

~~sandst~~

rubble in large blocks,
probably close to outcrop

sandst

- f-med gr. lt-med gr.

qtzite, & ch₂ argillite grains
predominantly qtz gr, few
slaty grain (volcanic)
some muscovite
show some bddy.

2200 paces to lake

lake → camp

June 8

Geochem

- next sample will be 22.

Algy - last loc 56
last sample 25

Geochem

FGS-1-22 A

stream near loc 65

Location 57

- rubble - s end of ridge
between 2 lakes.

- volcanic

- lt brn ~~with~~ to gy

- aphanitic, vesicular
vesicles up to $\frac{1}{2}$ mm.
calcite in some vesicles
iron oxide in " "

outcrop - above rubble

volcanic

lt-gy-wh - with to brn org
iron staining

aphanitic, vesicular, up to 1 mm
& with phenocrysts. minor biotite
iron oxide in some vesicles
with to red brn in outcrop:

- ftd pitted

sample T 70-1-26

- volcanic outcrop
continues along top of
ledge to loc 58

Location 58

outcrop

Conglomerate

- *qtzite* lt gy *qtzite* pebbles
- 6" + *lt gy* *cht*, *argillite* pebbles
- * some creamy volcanic *cht*
- pebb* f *gr* pebbles as
- pebble size up to 1"
- matrix of *gr* sand size *qtzite*
- + *argillite* grains + *cht* lt *brn*
- cht*
- bottom not seen

overlain by
sandstone

v *crs* *gr* *lt gy* *thk* *bed*
angular *qtzite* + *cht*, *argillite*
grains *in* *cht* + *cht* *gr*
with *some* *cht* *grains* +
clay, *matrix*

grades to

4
3'
- *med*-*f* *gr*. *lt*-*med* *gy*
qtzite + *cht*, *argillite* as
clay + *brn* *matrix* some *mic*
med-*th* *bed*

attitude of sed. beds
is $85^{\circ}/22^{\circ}N$

(sed. beds are overlain
40ft overburden
-10 } some pebble conglomerate
subtle in overburden on
slope
overlain by
outcrop -

volcanic

lt grey - creamy brn
sphaeritic, small vesicles - avg/mm
iron oxide in with phenocrysts
& vesicles
or flakes of biotite (min. up to
2mm.
vesicles show lamination

Location 59 065/

outcrop 1 prob slumped

- rubble of cong & ss between
58 & 59.

conglomerate

lt gy quartz & dk chlt, argillite
pebbles up to $\frac{1}{2}$ "

subangular - subrounded

matrix of $\frac{1}{2}$ v coarse gr sand size
qtz & chlt, argillite

massive lt-med gy in color
well sorted for cong.

overlain by

~~s~~ sandstone

med-coarse gr. lt gy

angular - subangular grains
of pred. qtz & dk gy chlt
some yellow clay grains.
thk bed

volcanic rubble or outcrop
5' above

250' south.

outcrop - contact of

congl. & congl. ss
and volcanic

To ridge
~~From ridge~~

1. 260° for $\frac{1}{8}$ mi.
2. then follow ridge at $\sim 350^\circ$ for 1500 ft.
3. at angle to this
first west 500-1000'
then east 500+
4. then go 360° till hit Knob.

Location 60

- outcrop
- 110 paces along 350°
from loc. 59
along upper part of a slope

volcanic

- aphanitic gr. mass
vesicles & with out phenocrysts
pinkish brn in color
iron oxide in vesicles

note

- rubble + boulders of cong

along top of ridge

Location 61

- outcrop

- 150 paces along 350° on
ridge

- volcanic

lt. green - with to red
N. of aphanitic
phenocrysts (1 mm) of biotite
few vesicles

Location 62

- 225 paces along 350° east

- top of ridge

volcanic

med. green
N. of dense aphanitic
massive
phenocrysts of ~~epher~~
biotite & other minerals

sample T70-1-27

Location 63

- 360 paces

- W side of ridge

volcanic -

lgy - cream aphanitic
small elongate vesicles
some white feldspar phenocrysts
& minor biotite

~~pass~~

①

sample T70-1-28

volcanic 505

N

{ 460 paces along 350° curve
+ 338° - from Dike

stop & go west at 52° 232°

vol

Location 64

- outcrop - of 460 row
along W side of ridge

40' thick volcanic
sk

with frags - red brn

Location 65

outcrop

altitude 170 119°E

sed. r.s.

1' Cong ^{rounded}

- lt grey cream volcanic clay
pebbles up to 1" with some
gylite & cherty argillite pebbles
angular.

in matrix of med-cre sand
of lt grey gyl, dk grey ch
& creamy clay & clay grains
massive

- bottom not seen

overlain by

3' sandstone

lt grey med-cre gr
gylite some cherty argillite grains
creamy clay & clay grains
~ abundant

common some fls, large plant
frag. nodules
thk - med bed

Location 66

outcrop

- claystone conglomerate

- sub-angular rounded pebbles of
qtzite + chky argillite up to 1/2"
some some cream clay grains
(volcanic) up to 1 cm.

matrix 80% fsk

- f-sandgr sand size of
+ chky in clay cont.

clay cont is predominant
med gy color

thk bed

- ~~effacement~~ ^{volcanic} 170-1-292

interbedded? (outcrop poor)

Sandstone

med gr. lt gy qtzite clayey ss
chky

clay + clay grains cream color
also some f. sp. feldspar?

med bed

- med bed

170-1-296

Location 67

- boulders & rubble of
conglomerate

~ same to overlie
sh. of loc 66

qtzite, shaly chrt, conglite
& creamy volcanic clay pebbles
up to $\frac{1}{2}$ "

rounded - subangular

matrix of v. fine sand size
qtz, shaly chrt & creamy tan
colored volcanic clay grains

Location 68

- end of ridge

boulders of sandstone
conglomerate & sandstone

- quartzite & chert pebbles
in matrix of qtz, chert &
clay grains

- quartzite & cherty ss - med. gr.

- large boulder in west NW
corner of ridge
cong & ss

- SKR as Loc. 66

Location 69

- rubble & boulders

- sandst + cong
SKR.

Location 70

outcrop

- opposite intrusion loc. 47

- volcanic

sphonitic pinkish-brown color
iron oxide in patchy phenocrysts
phenocrysts of biotite up to 2mm
v. minor.

outcrop stands

Location 71

- very large blocks of rubble
~ prob. close to outcrop

~ close to loc. 45

- conglomerate & sandstone

qtzite & chly argillite pebbles
with few yellow f. volcanic
pebbles in matrix of
fine sand size qtz, chly
argillite & clay grains.

sandstone

- same comp as
matrix of cong.

lt qtz, the fidd-mass

June 9

- last Hly. sample was
T 70-1-29

last location: 71

Geochem - last sample was
~~T 70-1-22~~
FGS-1-22

Geochem FGS-1-23

- little stream runs into O lake

Location 74

700 paces

- rubble

- sandstone

- med gr. w/ths & bas. sed.

f-med gr. qtz, feldspar
clayey, abundant about frag
phy. hdd, med-thk bed.

few rounded pebbles of
chgs - cream volcanic material.

700 paces along 308° Crs
from loc 13

Location 75

- rubble

ridge

Conglomerate

- chts. argillite & g₃
pebbles in matrix of

0.5 to sand size g₃, chd
& clay grain lim.

June 10

- Geochem - last no 23

Glyc - last no. 75

- last sample no 32

Geochem

FGS-1-24

- stream between \rightarrow lake &
O to the west

Geochem

FGS-1-25

2nd stream between \rightarrow lake & O lake
to the west

Geochem

FGS-1-26

stream running into O lake from NE

Geochem

FGS-1-27

E

- run in ditch down from
ridge ~~to~~ S

~~FGS~~

Geochem FGS-1-28

F

- stream on N side of gully

250 paces
along W edge

Geochem

FGS-1-29 G

- stream in valley

running into series of lakes.

Geochem

FGS-1-30 H

- 9.2438 pres

Location 76

- ridge top, \approx 250 paces from camp

- volcanic.

Stgy - cream
sphonitic, vesicular
vesicles & white phenocrysts
filled with iron oxide

Location 77

- ~~the~~ intrusive

- dk qtz fgs igneous
ultramafic
minor sulfides

porphyritic
andesite

Location 78

- intrusive volcanic

f. gr. mafic rhyolite
- diabase?

(Hagy) few phenocrysts of
lt colored plagioclase crystals
- up to 1 cm (avg 5 cm)
minor sulfides

T 70-1-33

porphyritic
andesite

Location 79

- intrusive volcanic

med-fgr. dkgy-greenish

phenocrysts up to < 1 cm

\rightarrow plagioclase

bbble + plg groundmass

andesite

From little lake

325° for $\approx \frac{1}{4}$ mile

Locat

Location 80

conglomerate rubble

conglomerate

qtz + chlt argillite pebbles
& some ~~are~~ creamy white
volcanic pebbles -
upto $\frac{1}{2}$ " subrounded-
subangular
matrix of fine sand size
qtz + chlt + sm
Clay grains + Clay cement

June 11

- last Geochem was 30

Qlog

last loc 80

last sample 33

- 1630 paces on crse

151° from lake

- crse 190°

~~Geochem 163~~

at 1840 paces from

Wald Cr to camp

on 352° course

- blazed tree

Geochem

FGS-1-31 J

- Walsh Creek

FGS-1-32 J

- stream into Walsh Cr

FGS-1-33 J

- stream running into
Walsh Cr

FGS-1-34 J

- stream? dry running at
Walsh

FGS-1-35 M

stream - pres = 440

June 12

Geochem

- last sample 35

Algy - last loc 80

last sample 33

Geochem

FGS-1-36 J

- small stream at ≈ 1250
on 200° crest

FGS-1-37 J

$\frac{1}{2}$ at 500 p.m. along 225° crest
(walk at 700 p.m.)

FGS-1-38 J

- at big outcrop

FGS-1-39 J

- 440 p.m.

Location 81

- outcrop on Welsh Cr

top of bottom.

- Sandstone

- f. v. g. ss - g. st.

nonargillaceous, minor mica (biotite)

med. gr. with lt. med. gr.

20' large frag. of s + sh. up to 3 mm

pl. with

in outcrop

with, ply thin-med bed

- friable, ply cont.,

sl. calc.

- jointed, cross-beds

sample T 70-1-34

- clay iron stained concretions, nodules

- up to 1' diameter, ~~dark~~ oval-

disc shaped, at approx 1

to bedding

concretion some comp. as sh. sh.

better indurated, flint

vein

34a - concretion

Sample

35

n

$\approx 150'$
total

sandstone

massive, red-brown color.

f. med gr. some were
of size qtz + chf
v. argillaceous, qtz.

F 70-1-37

grain of qtz, feldspar
& volcanic rock frag.

volcanic waste

180/12°E

- sandstone

- massive jointed
red-brown matrix
medgy - f. medgy
qtzite v. arg.
earthy-text. well indicated
few carb plant frag. ~~at calc.~~

T 70 - 1 - 35

interbedded with

v. coarse gr ss - congl
v. arg. 6" beds

* ltgy of med. coarse gr
friable ss layers

- sandstone

- v. gr. - siltst - ltgy - granitic
sh bed, massive

rt side

Location 82

~~outcrop~~

- section up creek

~~for~~ bottom to top

- sandstone

- bottom not seen

f-med gr. med gy - blue

- gtye ~~for~~ some with feldspar
calc chrt f. lam.

ply bed jointed
med sorted

T 70-1-38

in this to H gy.

140' depth

for gtye org ss
v blacky

200' depth

- v. gr ss

medly with st. brn

of the arg., massive
pale.

Location 83

left side 83

- bottom not seen

- sandstone

- qtzic med-gr
med gr with br
sl. calc, org. poly bed.
badly jointed.

T 70-1-39

50' - grades to
med gr qtzic
argilla. micargilla
carb mat. dk gr - black

64' ~~conglomerate~~ Sandstone

small (< 1/4") pebbles of shale siltst
- qtz in matrix of med. coarse
gr. qtzic argillaceous mat
dk gr with br, lt gr
carb mat. sl calc

T 70-1-40

- interbed with med-coarse gr ss

sample 40

- deep
volcanic or fibrous cracks

80'

- sandstone

- medgs - qtzite

medgs, br - surface to
medgy brn

v argillaceous frag of shale
ph, sorted. ph, contd.
jointed v ph bedded

140

sandstone

- f. medgs qtzite arg

ph, bdd ph, contd.

brn with 1/2 br

200

sandst

- f. v. arg. qtzite feldspathic

- v argillaceous

≈ 280' top of bedrock

**memo book
filler**



feuilles mobiles
pour
carnet de notes

19c

6 x 3½

No. 125R

Camp #3

June 14

Geochem - last was - 39

Glyc - last hole - 83
last sample - 40

Geochem

FGS-1-40

- ~~near end of ridge~~ (60 pps)
150 pps on 286° crease

FGS-1-~~40~~ 41

650 on 286° crease

FGS-1-42

750 on 286° crease

900 on 286° crease

camp at ~~29~~ 100 pps
S of Lake

FGS-1-43

- ~~800~~ 700 pps on 60° crease
dry stream

1450 pps - Camp

Location 84

- volcanic

- v. fgr (aphanitic)

pink-bdgy vesicular
small vesicle filled with
iron oxides
small phenocryst of feldspar

sample T70-1-40

Location 85

~ on 200 paces long ridge

va.

volcanic

lt gray-tan, withes to

tan, org - purple

vesicles aphanitic

large vesicles up to $\frac{1}{2}$ "

~ often linear

iron oxides in some vesicles

T 70-1-41

Loc 86

- 250 pcs from 85

- volcanic

SKR - less vesicles

~~Loc 87~~

~~- volcanic~~

- further along 200?

- SKR

Location 87

~ end of ridge complex
- volcanic

Ugg

vessicular pyroclastic
look more g/f/tc.

Location 88

- outcrop on ridge
900 paces along 286' crease

Conglomerate

White clay shale, light cherty argillite
cherty clay - cream of gl.
volcanic pebbles up to 2" ply sorted
cherty pebbles angular

Matrix of coarse sand size material of same
comp - matrix minor vol.

lmn. pas

- poor outcrop

Location 89

outcrop

- attitude $050 / 7^{\circ} E$

- conglomerate & sandstone

conglomerate

lt gr. quartz & creamy-tan
fine aplastic volcanic pebbles
in matrix of coarse gr.
quartz & chky sand. Iron.
musc. & calc. cmtd.

sandstone.

- coarse gr.

iron oxide cmtd.

quartz & chky, volcanic clay grains.

red brn. with to lt gr.

musc. & calc. cmtd.

overlies congl.

- med bed, - thk bed.

below this
- rubble
sandstone.

dk medgy - med. frags
qzite varg. clay
wh. clay or altered feldspar grains
large plant frag
carb mat.

like in loc 37?

T70-1-42

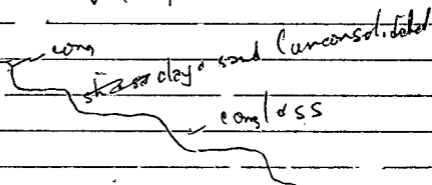
Location 90

SKR ab live 88

Σ 200 pps

420 pps. lake

Slope comes down
in series of steps



June 15

- Geochem - last was 43

Gly - last loc 90
last sample 42

Geochem

FGS-1-44

~ 1580 pces on 94th case

Geochem

FGS-1-45

str. above little lake

FGS-1-46

~ same as above little lake

FGS-1-47

- see into Jumpout A

FGS-1-48


~ End ridge

FGS-1-49

shown between 2 ridges

FGS-1-50
- stream measuring site
begin creek at 250

FGS-1-51
major stream $\frac{1}{2}$ mi down

FGS-1-52 
" " "

FGS-1-53
stream with major

FGS-1-54

700 paces @ 180° crd

FGS-1-55

1200 paces @ 180° crd

FGS-1-56

1320 paces @ 180° crd

Location 91

Outcrop

- limestone

- dkgy - wh - pinkish tan
N. crsgr - re x tabbed
upto 1cm

massive uply bedd

- badly jointed & fold
with to dkgy & purple

T70-1-43

Location 92

limestone

- lt grey - wh.

pure, reworked ls

med. fgn. red

with to red - med off

ply bed, jtd & veins

Location 93

~ 815

- limestone

shaly with iron ore

SHR

144/36° NE

Location 94

- limestone

ltgy - org - branching

thin bedded

resistant laminae (br org)
fossil remnants? - chest

sample T 70-1-44

- recrystallized
- med. fg alb

limestone

- wh. ltgy

U case slattni. recryst

vein - fold.

some pink calcite

Location 95

- peak ~~with~~
1st peak N of table one

Limestone

Stgs - wh - with medgy -
br org.

recrystallized; clear.
flds & fctd. partly
finely flattened.

Location 96

outcrop

- 2nd pk N of 94.

Limestone breccia

- wh & lbr of calcite in
red-pink f xl matrix.

wh.

white inclusions up to $\frac{1}{3}$ "
with pink red.

T70-1-45

Location 97

- 300 yds from 96

- Limestone

pink & wh

recrystallized limestone

with sh. of ss - red

med. coarsely x lined

Location 98

limestone

outcrop SKR

June 16

- Geochem - loc was 56

- Glsy - loc loc 98
lost sample

- 2 mi at 20° cre

- ~~FG~~ Geochem

FGS-1-57

~ 180° peak on 20° cre

2400 pss - stream

FGS-1-58

225 pss on Ridge

FGS-1-59

325 pss on 175° cre

FGS-1-60

200 pss on 180° cre

FGS-1-61

1250 pss on 180° cre

FGS-1-62

1500 pgs of 180' case

010/22° E

Location 99

ridge of Campbell's Tantalus

- conglomerate

- white & chert pebbles

qtz & medgy qtz

& shaly chert pebbles

pebbles rounded - subrounded
pebbles up to 1 1/2"

avg. < 1/2"

iron oxide stained

v. little matrix

some chert argillite grains

T70-1-46

below this approx 60'

- sandstone & conglomerate

Sandstone

- lt-medgy med gr qtz

subrounded - subangular

some 10-15% chert grains

very clean, siliceous

few subangular - subrounded
qtzite pebbles up to $\frac{1}{2}$ "
iron stained in fractures.

conglomerate

- qtzite & chert
pebbles in ss qtzite ss
matrix
pebbles up to 1"

Location 100

- outcrop

- below + N of 99

conglomerate
qtzite, qtz & chlt pebbles
up to up to 6"

arg < 1"

rounded pebbles in qtzite matrix

- coarse gr - chlt & qtz grains
subrounded - angular

very little arg mat

- iron stained red.

massive.

25' below this

conglomerate

lt grs qtz pebbles & cobbles
in a matrix of coarse gr

qtz & chlt ss.
iron stained

~ chlorite grains? in matrix

lt green - in shale frag in congl.

sample 170-1-47

47 - congl

attitudes

150°/37°W

10' cover

10' conglomerate

glauconitic congl

of 2-3" pebbles

rounded, up to 3"

matrix of coarse glauconitic

clay - chert? chert

iron stained.

10' sandstone

med. coarse gr. glauconitic chert

subangular gr.

red brown color with tan org
purple

T 70-1-48

iron stained med bedded
sl. lim

15' covered

2' congl

15' covered

30'

5' conglomerate

purple matrix

white pebbles & cobbles
in white matrix

lms. of green cherts

65'

conglomerate

large white rounded cobbles
of shaly quartz & mud gas
white in matrix of v. coarse
angular quartz
lms. of green chert grains