

020512

12 May '70

Victor OEX
Thistle Cr.

Arres Claim

ote # 1

- on top of ridge
- med.-grained pink amphibole-chlorite
granite, ophioclastic + porphyritic
 MoS_2 + py. + magnetite?

samples 1 + 2

ote 2

fine-gr. porphyritic hbl + gte
py + magnetite
phases of feldspar
white + pink felds.

soil sample OVK-1
slope @ 30° 5' W

etc #3

gray quartzite - more mafic
 may be assimilated country rock
 med-gr, massive, equigranular
 py, po(c), MnS_2 , chlorite

Sample #3

- fresh feldspars; no swartz

soil sample OWK-2
 20° slope SW.

soil sample OWK-3
 45° slope SW

soil sample OWK-4
 30° slope SW

etc #4

fine grained to aphanitic
qtz rock (felsite) qtz, albite
po ± py
- massive, non-foliated
- contact zone?
- hornfelsic, bleached
sample 4

soil sample OWK-5
20° slope 5'

soil sample OWK-6
30° S

etc #5

- light gray, massive, aphanitic
qtz rock
- hornfelsic
- albite, qtz, po ± py
- massive, bleached

sample #5

ote 6

felsic breccia $1/4'' - 6''$ fragments
po, py, bleached

sample #6

soil sample

low-7

35° slope S
over hornfels

ote 7

white to gray, bleached, massive,
felsite
py, po

sample 7

ote 8

greenish gray to dark gray
hornfelsic rock
s/s, chls, little sulfides

massive
sample 8

13 MAY '70

Photos 12069 - 363

12069 - 362

Aires claims south to
north arm of Wolf Cr.

etc 1

- green-gray, massive, fine-gr.
andesite - dacite; very little py + po
- bleached zone in saddle - rock becomes
whiter (Camp 10) - cavities - rusty
- no visible mineralization.

Samples # 9

10

- often porphyritic - lhd + plaq.
phenos \approx 4mm long.

etc 2

green, massive dacite
some chl, no mineralization
well jointed ^{visible} 085/725

sample ^{WK-12} - green dacite

etc 3

well sheared chlorite ^{foliate} - ~~schist~~
schist
foliation 050/305
- folded into open folds
lineation 125/40 - fold axes

sample ^{WK-13}

foliation 057/805

- pyrite & magnetite

ote 4

well foliated ~~schist~~ - bio - schist

135/85NE

small folds: 085/50

wrinkle lineation 135/10

silt sample OWK-8

ote 5

well foliated gtz - biotite - schist

180/65NE

sample WK-14

silt sample OWK-9

ote 6

well foliated gtz - chl - musc
schist

080
40

silt sample OWK-10

lineation: 080/0

very little py & po

sample WK-15

Photos: 12069433

+ 12066 230

17~~th~~ MAY 1970

~~Historic Route Base Kasaan~~

South of White River

St 1

- well foliated biotite - g₁ -
schist

= 10% bio.

- py + po
sample WK-16

Some folly pathic schist
very little py

St 2

med. grained, massive,
pink granite - E biotite
- no schists + no
visible sulfides

sample # WK-17

well jointed 130/18NE

some porphyritic phases (4mm.
feld. phenos)

sample WK-18

porph. gray bio qtz

etc #3

foliated quartzite float

- abundant, massive

- some bio

some py - po

gray to buff in color.

etc #4

- foliated gray, qtz schist

- some bio

- no mineralization.

ote # 5

porph dacite
plag. phenos (3mm)
greenish, aphanitic matrix
sample # WK-19

ote # 6

musc. -qtz - schist flat
- well foliated
- no visible mineralization

ote 7

fine-gr. to aphanitic
green-gray porphyritic
dacite / felsite & contact
rock? - looks like
plag phenos
- no visible sulfides
soil sample OSM-26
Rock sample WK-20
well jointed 075/400N

400' SE - another
soil sample
OSM - 27

etc #8

greenish black, fine-grained
schistose chlorite - talc - serp(?)
rock - altered v.m. ?

- some visible plagioclase

- no visible sulfides

- massive

- some med-grained phases: plagioclase
- pyroxene altered to actinolite, talc
& chlorite

- some rusty specks - no
visible sulfides

sample WK - 21

etc #9

- meta - diorite - gabbro

- foliated - " chlorite + mica
- mafics altered to chl.,
talc + actinolite

~ 50% plagioclase; very little po.

soil sample 05m-20

- some very mafic phases
- all altered to chl - actinolite
- talc

sample WK-22

etc 10

- meta-gabbro
- mafic now amphibole,
actinolite - talc
- no sulfides
- foliated
- eastward - contact is
qtz - bio - schist
- well foliated N0/50N
- no min
- some qtz veins

18 MAY '70

Photo 12069 - 437
soil samples OLB-13 →
etc 1 by L. Bill

- round knob
- bleached *amphibolite*
basite
- *plag* *phono*
- *amphibolite* *to* *be*
- *volcanic* altered hydro-
thermal
- *sample* *WK-23*
- WK-24*
- WK-25*

intruded by dikes
of - *amphibolite* phase
- very fine grained
- bio - *hbol* - *gty* - *plag*
assemblage
sample of intrusive
WK-26

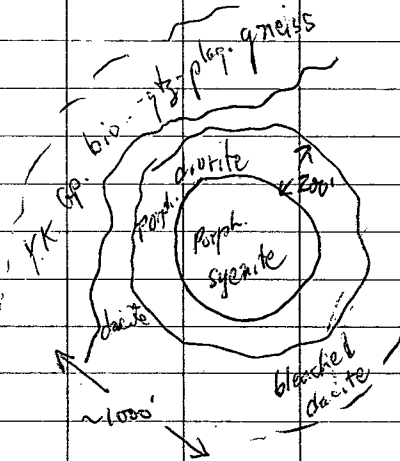
- intrusive roof appears to be very near surface here - volcanics bleached & altered around it
- mineralization of py, po
- solution cavities in intrusive
- most sulfides in contact rocks

- some very porphyritic phases

- dioritic \hat{c} 40% hbl + rest plag
sample WK-27

- At Westley, intrusive changes into a syenite porphyry
 - orthoclase phases
 - little bio. + hbl.
 - cavities + rust.
- sample WK-28

plan view



- NW easterly run into contact zone - dioritic porphyry is well zoned plag phenos + H₂O vesicles - some bio.
- little py
- in country, Rx back into porphyry, cooked, bleached siliceous volcanic Rx

Some characteristically
trachytic looking rocks
in country R_x - possibly
dyke material from intrusion

sample WK-29

- well altered granite
i altered ortho. + solution
pits

Further on, run into

Y.K. Gp. qtz-bio-play gneiss
i some musc.

~~and~~ some py.

- well foliated i augens of
feldspar

etc 2

- across low pass on
west slope

- red-sericite qtz schist

- no visible mineralization

etc 3

- well foliated sericite - bio-
augen-quartz
- eyes of plagi (≈ 5 mm.)
no mica
- green sericite
- some rust in little pt

etc 4

- orange fine grained to
porphyritic, well leached
of quartz
- ortho phenos
- good cavities
- some rust
samples WK-30
WK-31

ote 5

YK Gp. gtz - bio. schist

- well foliated

- salmon pink

- little feldspar

various to very gtz & very
bio. rich

- no mineralization

ote 6

very gtz rich schist

little bio.

little rust.

- westward run into orange
porphyritic felsic rock

- contains feldspar phenos,

bio, some hbd & rusty

leached cavities

sample WK-32

coarser, syenite phase

sample WK-33

sample WK-34
porph. syenite
ortho, plag, biotite
rusty cavities - leached out
etc 7

fine-grained to aphanitic
orange trachyte
- intrusive?
- some well leached out +
leached zones
- some fine-grained porphyritic
syenite
some py + rust

sample WK-35

19 MAY '70

Photo 12066-227,
S of L.A. M.

etc #1

purple to salmon red
trachyte
- massive, aphanitic
- also porphyritic \bar{c}
feldspar phenos
some cavities filled \bar{c}
Fe oxide
sample WK-36

etc 2

purple to very light
orange trachyte
same as etc 1
well fractured 100/70s
- no visible sulfides
sample WK-37
filled down - some py in trachyte

ote 3

purple to light pink
(spotted pattern) trachyte -
rhyolite
- well fractured - fracture
cleavage - parallel to flow
layering? L 095/63N

ote 4

purple to green dact. -
andesite
- porphyritic in places
- very little py
- hematite common
sample Wkr 38

ote 5

massive, fine-grained
andesite

etc 6

green - purple andesite
& dacite

- some plog phenos

massive, aphanitic

sample WK-39

20 MAY '70

Photo

Between N+S arm of
Wolf Cr. 115-J13
east-west traverse

etc 1

- well foliated sericite-gly
- schist

142/57NE = F₁

lineation 135/23 - gly rods

sample WK-40

speckled c. cavities of
Fe oxide

etc 2

- round plug of
fresh, unaltered

: ophitic diorite

hbd, plag, ortho

- some cavities (?) filled w
calcite surrounded by apple-
green mineral

- some sulfides - py + or po

samples WK-41

WK-42

contact rock is a matrix
of quartz or quartz schist w some
sericite & biotite - some py

sample WK-43

- soil sample OWK-13

- plug has fine-grained chilled
margins.

etc 3

- in saddle x

- boulders of sericite, quartz
schist - good minor folds

- py cubes

sample WK-44

Stc 4

- white to greenish
sericite - qtz schist
~20% greenish sericite
- well laminated
- looks mylonitic
- some angles of qtz

Sample WK-45

- no visible sulfides or Au

21 MAY '70

West-east traverse between
LaDue + 7-mile creeks 115N2

Photo 12061-12

Site 1

jointed 155/19NE
mm

- pink ^{bio.} granite - medium grained
 - some aplitic phases, pegmatitic phases, some kelyite(?) veins
- samples WK-46
WK-47
WK-48

vein of qtz \approx 5' wide
cuts across gte at
about 130°/90

- very rusty rocks &
abundant cavities
and masses of goethite
& limonite - completely

leached

- helvite (?) red mineral
apparently is related to
vein

samples

WK - 49

WK - 50

WK - 50

WK - 51

WK - 52

~~WK - 53~~

soil sample over vein

OWK - 14

~ 20° slope NW.

soil sample OWK - 15

10° slope SE

- over vein

pegmatitic material

sample ~~OWK~~ - 53

St. 2

- granite in contact \bar{c} gneiss
- biotite gneiss to the east
- no visible sulfides in country rocks
- some leached FeO cavities
- some pegmatitic veins.

sample WK-54

- common occurrence of some green mineral - apatite?
- about 5 hardness.

St. #3

small St. of gray gte
is in contact to east
 \bar{c} a well foliated
gneissic calc-silicate
may be limonite - check on
samples WK-55
WK-56
- contains a weed

- assemblage of minerals
- green mineral - apatite or diopside
- orange-brown mineral (monticellit?)

- qtz
- py, + possibly some cpy

soil sample OWK-16

etc 4

foliated diorite + granodiorite
- qtz, plag, hbd, bio

- some greisic Rx as well
± biotite, altered feldspar,
qtz, + shony mineral (?)
sample WK-57

- intrusive rock grades
eastward into well
foliated garnet-bio-hbd
greiso

- some of gneiss contains
black, steel-black, ~~with~~
platy mineral ???

sample WK-58

- some red gtz (?) samples

mafic layer - altered
pyroxene & plaq.

- rusty - py, cpy (?)
- sample WK-59

etc 5

bio - hbd - gtz gneiss
= alternating bands

(~20" thick) of well
foliated, flets angrn.

bio granite gneiss. also hbd
altered to white

- some thin metabasalts

27 MAY '70

T.N.S. : 11503
11514

Photos 12264-310
12789-354

etc 1

med.-grained, well-foliated, garnet
amphibolite - some plag. 150/52SW
- well sheared along fol. in places - some
mineralization - I.D. unknown
sample WK-57
- main shear is epidotized + mineralized
attitude 070/70S

further on, get into bio-hbd gn.
- sample WK-58 - contains a good
grain of cpy + Cu stain - rock is a
green bio-qtz gneiss - meta-intrusive?

cu showing in what appears to
be a metamorphosed, very porphyritic,
crs-gr. gabbro - leucogabbro - mafic
phenos (no actinolite) rock 2" long
- matrix of qtz, epidote, plag. mineralization
also in qtz veins

Samples
WK-59, 60, 61, 62, 63, 64, 65 sample WK 65

Samples WK 66, 67

- main rock appears to be a mafic-ultramafic which is well foliated + sheared.

etc 2

- float on road
- a rusty, foliated + veined Qtz-carbonate rock - possibly a skarn
- no visible mineralization, however is full of cavities + Fe_2O_3

etc 3

- fine-gr. hbd-bis. gneiss
well foliated 120/60SW
- meta-diorite-gabbro?

etc 4

- med.-gr. foliated to massive,
white to gray bis. granite
sample WK-70

pk 5

A very, very crs. - gr. meta
pyroxenite - 2-2½ long
hbd ~~of~~ xls - samples 72 + 73
- no visible sulfides

28 MAY 1970

SE → NW along SW side of Iron Creek

N.T.S. 11502

Photo 12789-310

ole # 1

hbd gneiss - appears to be a well
foliated gneissic diorite
foliation $090/36S$; hbd limestone L_1 $212/35$

- normal, similar later folds, deform
main foliation - axial direction of these
folds L_2 is $286/5$

- seen to refold qtz rods & hbd xls of
 L_1 by L_2 .

Sample WK-75

- epidotized shear zones \bar{c} specularite

Sample WK-76

30 MAY '70

NTS 115N2

N-S traverse west of head waters
of 7-mile Creek.

Photos 12043-140

12061-15

12043-143

etc I

- at north end, a gray, qtz-poor,
hbd, bio. granite - porphyritic & abundant
yellow sphere - some cr. pegmatitic
phases - garnet (red).

- grades southward into gray hbd
granodiorite, then into hbd syenite
or syenite

- some possible contact Rx are very
aphanitic, siliceous, + feldspar augens

- all Rx are well foliated

Sample WK 84, 85, 86.

WK 87, 88

- goes into porphyritic granodiorite
& large hbd phenos

- some py - well foliated.

May 30 1970

location - head waters of seven
mile creek.

- porphytic rocks.

granodiorite - containing
hornblende, qtz, biot. and feld.
grading to gneissitic

some minor peg. not

pegmatic - large grains of muscovite

some garnets

look for beryl

diorite -

rocks decreasing in quartz

increasing in hbl, become darker

pyrite assoc. with