

July 3/98

Fort St. James 99630 km

start time 8:35

1 km north Ft. St. James - rd. gravel
48.5 kms - road on right to
McKenzie.

55 kms Inzana Lk. lodge to left
(turn left ?)

72 km straight to property - left
to Inzana Lk lodge.

73.6 km right on Inzana East
Forest road

79 Grosin

80 km water tap to right

81 km showing

81.3 left @ Fork in road

81.9 cabin

82.6 ~~km~~ - end of property

520398
Fran Property
93K/16

[48969] 3m on Rd @ L3-390 over 20m^{NW}

- Intrusive Rx fine to med grain
- Feld-Hld Porphyry Texture Obscured here
- Gossion stain on Rock fractures
& in soils here on strike
- w Pit #4 @ 120°
- No Qtz but 2 seams of soil/gouge
~ 4 inches (Soil) L3-400 is of
this material.
- 3% Py on Fracts < 1% Py diss.

[48970] Grab of Same material as above
on Rd Local w Qtz Veins, white
Drusy w Good Xtl terminations

- strong Goss ~~to~~ Hem Orange to Orange
Red. ~ 70% of sample.
- ~ 5-8% Qtz white & Prusy
- No Py or Little Py ^{combined.}
- All weathered.

~ 4 cm Avg. for Shear w Qtz
healing.

[48971] Grab of host Volc
b/w 48969 & #4 Pit

- med grain Feld-Hld. Porphy
infrusion. < 1% Py
- < 0.5% diss Py, on Fract.
- Break-Orange on Fract, weak - med

48972 Pit #4 (35 cm) Vein

- across Qtz vein striking $110^{\circ} \rightarrow 120^{\circ}$ w ~~no~~ dip observable
- 85% white Milky Qtz
- w tr Pydiss $\leq 0.5\%$ Py
- on Fract w Orange brown stain
- Vuggy w Drusy Qtz ~4-5%
- Void spaces.

- * - Gray Metallic mineral shiny v.v.f.g. in Bands or Elongated Pods up to 2cm by 1 or 2mm.
- Intrusive host

Mainly Hanging wall (North - 30cm)

48973 length of pit #4 (south of Qtz Vein 3.3m)

3.6m O/C \rightarrow S/C.

- Intrusion mat \rightarrow Strong Gossan \pm Tr Jarosite largely on Fractures but also pervasive locally on Sheared samples
- Py is diss $< 0.5\% \rightarrow 1\%$ but is up to 2% over all as pods of massive to xtl cubic Py \pm on Fractures.

- Qtz is $< 1\%$ usually along small partially healed shears w Py

Pit 4 104 08203utm
60945 45
1252m Elev.
54° 59.5' N / 124° 20.1' W

Rusty Fractures

48974 Mainly Foot Wall. to
Qtz Vein.

1.2m of Intrusion same
as **48973** in foss. 2% Qtz
± 2% Py as **973**

48975 35 ~~cm~~ cm of Vein/Shear
Strike of 101°/80°s

4m West of Pit 4 Same Vein

~20 cm White Qtz as **972**

~20 cm Healed Shear - Bx

- Heavily leached, yellow-green
stain ~ Sulphates

- up to 3-4% Py diss in Sh.

- Grey metallic lumpy diss

± in Pods > 2cm ~ 5 → 10.2%

at sample is fine diss's
are same.

48976 Pit to the ^{~10m} East of #4 Pit

0.5m includes 40cm main
Qtz Vein structure, 10cm ^{Basal} shear

Strike of 099°/78° South

- ~ 80% Qtz, 5-8% Py as Pods & Vein
up to 1cm thick. Leached-yellow

48977

1m Foot wall to

48976

- Rusty & Jarosite on Fractures
- Intrusion
- No ~~any~~ Qtz or Shears.
- <1% Py but weathered so?

48978

@ Corner of Rd Area #5

5

~ 20cm wide Sh in Intrusive
 w > 10% Py d. ss ~~7%~~ 7%
 Fract ~ 3%

Some Carbon ~~sil~~ Sil + Carb Veins
 <1% & < 1cm

- texture is very obscure?
- only remnant plag & Hs exist
- Tr epidote.

Strike 046° / ~90°

cont'd

978

5A

~ 20m on strike the Rd.

again cuts what may be a dyke

This sample was across 1.5m width of the same rock.

~ 10% Py

48979

GRAB along 6 m
of Feld-Hbl Porphyry w $>5\%$
Locally up to 10% Py mainly
Diss \rightarrow Fract.

- Rusty Fracts.

Location 7.

Location 8

48980

Grab of O/C along 15 m
of intrusion mainly

Feld-Hbl Porphyry w $1-2\%$ Diss Py
Locally up to 4% Py & Areas
of Aphenitic to weakly Feld
Porphyritic (Dykes?) within
the intrusion

- only Intrusion was taken
& Shear Zones (Gossans)
very few & small were skipped
- weak Gossan.

48981

1 m of o/c & Rest Grab
of Strong Gossan & weak
Jarosite Healed Fault material
w Kaolinite Masses.

- leached
- Hem on Fract's very Red.
Location 8

Location 9

48982 ~ 6m Length a 0.5 → 1m

Fault Running Horizontal

Poss. Strike of 108/20N

- Gossan, Hem, Rusty

Healed Gouge. in a Feld-Hbl →

Porphyry Intrusion

Chl ± Bio

48983 Grab of Location 9 Rock

- Intrusion

- skipping Fault

- But including shears

15m Grab Chip of O/L

- includes Several Gouge/Shear

Zone highly Gossanous/Hematitic

Always Less than 10cm each

- Intrusion is different

w Feld ± Hbl → Chlorite ± Bio

Pheno's. < 1% Py diss

- Goss on Fracts

1174 m elev.

48984 site #10

54° 59min N
124° 25.02min W

- 20 cm wide shear
- feldspar hornblende porphyry
- rust-gaussin, goyitic on fractures - strong
- vein sampled @ 2 locations approx 1m long
- appears to be striking - 093/60N

48985 site 10

- 4.3 meters in length of fractured/sheared intrusive rock
- very friable w/ gouge
- moderate gaussin
- @ 4.3 meters - overlap sample 48984 but do not include it.
- approx. 1.5m South of shear
- ? approx 2.6m North
- ~~2.6m North~~
- 1.5m South are competent w/ little shearing (minor) & minor gaussin

~~signature~~

48986

- continuation from end of 48985 to north
- chip sample 10 meters solid very competent feldspar-hornblende porphy
- very fresh looking
- 1% deceminate pyrite
- 4% hornblende pheros
- 10% feldspar pheros
- only minor rest in fractures
- trace carbonate veining
- trace calcopyrite
- jointing @ $67/70^\circ$ N
- jointing @ ~~160~~ $160/30^\circ$ W
- sample strike 169°

48987 - 25m south Site 10

1m chip * See Next Page **

- gossan strong with hematite
- very friable
- outcrop

- appears to be same shear as 48986 although no orientation is observed

- 3m from Porphyry / sed Contact

Sed's

48988 ^{Sample strike 164°} - 3m Section of 48987

Sediments

- 2m length of sample
- black on fractures
- poor outcrop - lots of till corening
- looks as though sampling along strike of small shear
- strange gossin to end of sample
- jointing/shear @ 158°
- appears to be steep approx 80°W dip.

48989 - O/C ~ 15m up slope from 987 & 988 ←

- Prob same Host for
- Argillic / siltstone sed.
- w/ whitish grey w/ small hairlike wavy fractures concntr. near surface
- Dark brown to Dark Grey
v.v. fine grain / Aphanitic texture
Freshest Rx are Dark Grey Green w/ alumin tr carb veins. Tr bic & lam as grains & Black laminations
discontinuous

48990 12 m N of **48986**
Sample strike 180°

4 m Sample of 2 shear zones
w strong Gossan 1.5 m $\frac{1}{2}$ ~ 30 cm

Questionable 126° /vert \swarrow
 \searrow 120° /vert

- Strong Clayey Gouge
~ 1 m of 1.5 m Fault/sh.
- Rock is weathered Intrusive
- to the N & South the Intrusive
is a Crowded (\rightarrow 25%) Hbl'd - Feld porphy
w ^{med. Grain} $< 1\%$ diss Py & minor Rust
on Fract. Grading or mixed
w a finer grain less crowded
Porphyry w (\approx 5%) Hbl'd - Feld ($< 10\%$)

* Intrusion is 85 m in O/C along
Rd up to contact w ARC. Seds
@ sample **48987**. Seds Joints (Leats?)
@ Contact are $170^\circ/58^\circ$ N

- Contact is extremely Fractured ~ 40 cm
w Gossan. Fract's seem @ $060^\circ/80^\circ$ SE

48991 | 8m from Southend of

48995

- 5% max

- Very fresh looking 11 bld - Feld
Porphyry + Chlorite.
- fine - med grain Grey Rx. Wx.
Kinky Brown on Fracts.