

Tues, Sept. 2, 1976

Field Party: F.W. Platt & M.G. Lomenda

Weather: cool, 35°F; clear with light cloud near mountains.

## Reconnaissance of The Cathedral

FP-76-1a, b, c. variation of The Cathedral granite rocks; gty granodiorites  
background count 1100 cps ~~to 1000 cps~~  
strata TP-Fc volc-seds @ north & south end of The Cathedral.

### MUSSEN MT area

background for 4a = 600 cps

background for 7a = 500 "

" " 1a = 100-200 cps

NOTES for:

ATLIN AREA U<sub>3</sub>O<sub>8</sub>

C449 = BEE CEE

Sat., Sept 4, 1976

TESLIN RIVER Radio-Reece

FP-76-6

FP-76-7 diorite  
slight gneissic texture

FP-76-8 graywacke from 3a

FP-76-9a, b, c textural variation  
of Dawson Plaks stock, reported  
as gtz mny; 1/4 gray - 1/4 dk  
gy; cx - fx, mthy cx 1;  
w/ 10% gtz, 1-2mm; 15% bio, 5mm  
< 1/2% hbl. in fx matrix.  
Kfx = ? Ca fx = ? neds stain.  
B.G. eps = FO 120 poor.

Collected @ 5500' south edge of  
prominent saddle. Jansen  
grading down slope into talus.

Sept. 4 cont

(2)

FP-76-10

Sodic(?) granite, pink,  
porphyritic w/ wh plags  
embedded pink feldspar phenos  
to 1-2 cm; pk & wh intergrown  
twins in fresh XI ground;  
<1% scattered euhedral quartz XI's  
1-5 mm, hexagonal outlines,  
appear greasy - possible  
nepheline; granular  
contain felds, hbl  $\leq 1$  mm in

Sept 3/76

320 LX Pacific Northwest

1

- Sunny with cloud banks

- Lomenda & Plut

- Cathedral Peak Area

L-3/9/76-1 3ppm U

silt, lower part creek east side Cathedral

L-3/9/76-2 16ppm U

- talus fines at lake level

- some lake sed.

- Nelson L.

L-3/9/76-3 0.4ppm U

- silt, near large creek mouth near north west end Nelson L.

L-3/9/76-4 0.4ppm U  
silt, mouth next large creek to south

L-3/9/76-5 0.8ppm U (2)

- silt, esp. same as #4  
but not flat area up  
creek.

(1) start, 3K, 5000'  
- sed.

L-3/9/76-7 ← 1.0ppm U

L-3/9/76-6, 8 ← 18ppm U

- silt

L-3/9/76-9 3ppm  
silt

- north of side valley  
flowing southerly

L-3/9/76-10 6ppm  
silt

Sandy, as #9 but further  
west on next creek

Anomaly 02/09/76-4

(4) start 5000'

(3)

03/09/76

(5) - granite, then snow

6 - stop

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6500'

7 - out of snow -> meta volc.

8 - granite

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Anomaly 3 02/09/76-3  
5000'

1 - cirque begin  
2 - " " end

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L-3/9/76-11 - site  
4 ppm U

L-3/5/76-12 0.2 ppm U  
-13 1.0 ppm U

Sept 3, 1976. cont.

(4)

mt. Atlin survey  
chart recorder laywire!

4000' contour

- 1 1200 cps S. side of main  
Atlin glacier  
- all granite (Qm)
- 2 1000 cps sharp draw
- 3 1100 talus fans
- 4 1000
- 5 500 saddle @ south  
contact
- 8 1000 cross in granite  
(Qm)
- 9 300 metals but  
300' feet clearance
- 10 450 approximate contour  
w/ # 11
- 11 400 near o.c.'s laberge
- 12 500

Mt. Athin cont

(5)

- 13 700 talus & low spruce  
a few 100 feet below  
tree line
- 14 800 o.c.'s granite (QM)
- 5000 foot contour - clockwise
- 15 1100 felsenmer talus  
of mostly gty monz  
w/ some A
- 16 900 gty monz
- 17 1000 QM
- 18 1000 QM close to contact
- 19 1000 QM talus
- 20 200 Ga - serpentinite
- 21 700 melased-QM contact
- 22 1100 back into QM talus



<u>Loc. No.</u>	<u>cps</u>	
23	1400	QM talus 4 screen
24		" " "
26	600	X-contact into unit #7
27	1200	A metavolcanics
28	1200	" "
29	600	" "

## 5500 foot contour

30	1100	100' below A
31	1200	on contact QM/A.
32	1400	QM scree in top of Airue
33	1000	"
34	1100	"

03/09/76 (7)

## Florence Range igneous rocks:

- FP-76-2 qtz monz ~~por~~, <sup>representative</sup> of  
granite rocks of Florence Range
- FP-76-3 ~~aggr~~ a foliated diorite  
near contact area with metasediments
- FP-76-4 hbblendite, weathers  
shades U. dk gn - black. V. c. 1-5 cm  
1-3% of outcrop is felsic  
~~at~~ veins, 1"-6" wide  
in irregular crosscutting.  
upper contact cuts layered  
meta volcanic? @  $\angle 45^\circ W$
- FP-76-5 felty textured mafic intrusive?  
as float mixed with hbblendite of  
FP-76-4. This rock outcrops above hbblendite

# Atlin Mtn

03/09/76

(P)

Underlain by Pennsylvanian  
& Permian Cache Creek  
Group greenstone &  
volcanic gneiss (unit 7);  
Jurassic LaBerge Gp.  
volcanic clastic sediments  
(unit 11); Tertiary  
qtz monzonite; dark  
colored volcanic rocks  
of Tertiary age (???)  
(unit A). Unit 7  
intruded by Perm. & Per.  
Atlin intrusions (ultramaf-  
ics, unit 9a)

Qtz monzonite B.G. 900-1200  
Cache Creek Gp - 200-600  
LaBerge Gp - 400-500 y.s.  
Unit A. - 600-1200

CP Air Whitehorse 5/19/76-1

677-7881

Tuesday 4:45

#3222

4:00

Sept 5/76

Ruby Creek

FP-76-11

- abandoned mill & sluice near pass to Crack Cr. on Ruby Creek.

inequigranular  
- rail base of light grey, rusty stained very coarse grained granite ~ 5% biotite 25-35% quartz in places with white feldspar phenocrysts  
- B.G. on BGS-184  
250-275 cps

- on SKAT - 200

FP-76-12 - near mouth  
of Ruby Creek -> dredged  
area -> collected magnetic  
fragments, brownish grey, ~~green~~  
greenish luster, -> magnetite or  
micrometeorites ?

Average size about 1x1cm;  
with 2<sup>nd</sup> mode @ 2x3cm.

Rare fragments 8x7x5cm;  
occur as heavy mineral placer  
concentrate with the gold bearing  
gravels of pre-Pleistocene age.

~~Are found by stream~~

v. dark greenish black with submetallic  
luster on weathered surface, very  
minor rusty coatings; fresh is  
grayish black metallic luster;  
highly magnetic; found <sup>in</sup> lag  
gravel concentrate on the ~~stream~~  
stream shovelled windrows at  
mouth of Ruby Creek. Here the  
fines are winnowed out by rain action,  
leaving heavy and ~~coarse~~ pebbles to  
fine gravel layers. This sample  
was collected in one man hour.  
*from brown to metallic*

Sept 4/76

4-1

Sunny with cloud banks  
Homenda - Plot

## Testin Lake Intrusives

- SRAT

Testin - 1

B.G. swamp ~ 100'  
20-25 cps

① - 50-90 cps (50-70')  
- west side low hill

② - 50-90 cps  
- east & south side

③ - Top ~ 60 cps

Testin - 2

30-50 cps - sparse O.C

- even over Truck Line.  
on most hills
- black spruce lower  
down
- Area 2 miles west  
Tennery R.
- ~ 3000'
- spruce o.c., top  
hills

Testin - 3

- ① 40<sup>60</sup> - 65
- ② 50-65
- ③ - 40-50 - sparse o.c.
- ④ - 50-70

FP-766

- granite - 80-100 cps  
when on rock
- 60-70 at hip.

Testin 4

① 40-50 cps  
- sparse o.c.

2700', low hills, outcrop  
rare < 5%

Testin 5

① - 30 cps  
- Unit 12

Large area 30 & 12

Testin 6

2 small hills s. of  
Swift R.

- 25 cps

- no o.c. on east hill

- west hill → no

visible o.c. = 30-60



Testin 7

① 25 cps

no. o.c. 3333 !!!

② low hill of 12e  
with double meander  
in Swift K  
- 75 cps

③ - 12e

- 30 cps

④ - 12e

- westerly exposures

12e

- 30-50

FP-76-07

- small o.c. in Swamp

- unit 12e

- amphibole & light grey  
feldspar (diorite?)

- 60-80 cps

⑤ - north end 12e o.c.

- 25, sparse o.c.

- ④ - 30 cps
- Sylvester Gp.

FP-76 8

- Sylvester Gp
- granite?
- 25 c.p.s.

⑦ granite ~ 75 cps  
at tip of hill  
north of Swift R.

- ⑧ - 12 d
- 50 cps.
- sparse o.c.

Dawson Peaks

~~136~~ (map unit)

4200

① north contact 136 to  
unit 6 → 50 cps

② 60-80 cps

③ 100-130 cps  
- in small circle

- qtz monzonite  
- 1/2 1/3, start of small cirque

(4) - contact 80-90  
- Cache Creek (5000')

(5) - 50 cps, Cache Creek.

(6) - 100 cps  
- qtz monzonite in small cirque

(7) - 90 cps  
- south end Dawson Range at 5000' contour

FP-76-9a, b.

- Dawson Peak
- samples → textures variations
- light grey qtz monzonite → biotite & some hornblende
- some protose weathering

feldspar

- mafics 10-15%
- 80-170 cps

FR-76-10

- 12f? sodic granite
- pink, feldspar rich ox  
→ 60-70 cps
- porphyritic ox with  
slightly mafic ground-  
mass - 50 cps

Mt. Snowden

- 5000' center (70-80 cps)

① 100-125

- farther on 150-175

② - common - 150

- farther west 175-270

- outcrops above

③ 200-270

④ 120 cps

⑤ 170-160

- south side lakes  
200-250 cfs

4-9

(6) - turn: 175-200

Low on fuel → ~~no~~  
time to sample

Weir Mdn - CRAT

(W.M.)

(1) - 3500'

- 100-150 cfs

- low ridge

This is average  
value for CX-1  
claim which will  
50-75 cfs. CX-1  
on glacial till

(2) - 200-250 cfs - 4000'

(3) - begin canyon - 250  
- 5000 feet

(4) - canyon S.W. edge  
250 - 5000 feet