

Monday Jul 19
July Lake Detail

021652

(4850)
● J.1 5050 vfgz dacite flat knob - py up to 1%
below @ 5020 = py veinlets as well as dissemin py
dacite - med-dk green.

● J2 4830. from before same locally chl veinlets
in subparallel array - to NE py becomes more
abundant locally, is bleached → lt grey green dacite
but most is still med-dk green

here small 1" Q-carb? vein weathered

✓ 145, 76° NE

- then ~ 5m str folded sets (inclination)
S-M.

then lt grey dacite spots up to 3-5 mm across
of ~~py~~ vfgz po.

then contact w thin bedded S, M. py

So 137, 40° SW

10m further cut by Di-SDi like platy

094. 85° S. 2-3m wide

cuts Dac(py-go) at 4850'

then to rd in road ~ 50m from creek

S, M 120, 45° SW

@ 4835 15m from cr Q-carb bx vein? zone notably
to ~ 10cm wide no sulfides bx frags 1-3 cm

@ 4820 braided Q-carb bx zone - 10cm wide

trend 062 08656 N 12m from creek

- @4810 below po blobs in sedo locally py - sl remnants
 JA @ 4790 m. n. side contact of sedo with upper D
 unit in creek S₀₁₇, 46° 8W bend of contact 126
 add 50'
- JB @ 4750' back to 2 m S di dike
 D 124, 78° NE
- JC cuts S, m. ~~py~~ stony Fe slams from dissen py
 @ 4692 S, m 136, 40° SW below D
 scatt patches Fe - sh
 one vein like zone 2-3 m wide 094, 70° N.
- JD 4660. Contact above S, m
 below D.
 cut by 4" Fe stained vein zone 085, steep
- JE 2 m 1 to N. @ 4660 rubble etc S₀₁₇ dike
 4690 overlooking creek. - thin rubble 5 m
 massive D. - Di dike 1 1/2 py.
- JF 4750 - Vein mass. Q - sl - gl - apy & py - some gl
 up to 6" wide trend ~ 060° Brecken 4479
 10 m long → 50' above S9283
- JG 4735 1 m - 4 ft. of zone with 3 good veins
 with coarse Fe lesser sulfides
 Brecken sample 448 10 m S of creek
 Cut by 2 m sy di dike as D JS between
 here & JG. D 098, 85 N
 Swamp to 109 80 S to E - goes away from creek
 @ 4720 ~ 30 m from creek

In creek - S side 4670

2 zones Q-carb veins - faults? tension faults

V 035, 90 029, 86 SW

9283 @ 4680'

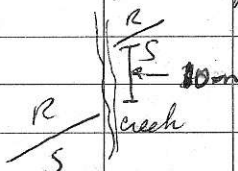
Continues across cr @ 4670 to 30 5-10 cm wide

V 124, 86° SW

to N - 20m in 4680 2-5 cm Q-carb veins

@ 4620' 1' Q-carb vein V 037, 76 N in RD.

Wind cuts across sed in creek or else
sed are warped or faulted



@ 4625' - 15m from creek 50cm Q-carb box zone

098, 87° S. one major zone a few minor ones - extends downhill a 60m.

sed contact @ 4620

@ 4560 50m from cr. 1-2" Q-py + sl vein - 120 steep

follows S₀?

@ 4510 down to S. S₀ in S, m, SS 128, 45 SW

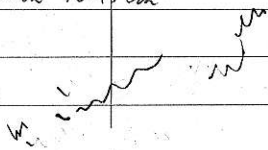
to S - on nose RD above S @ 4510

In R @ 4520 Q-carb vein 10-15cm

V 032, 80 NE

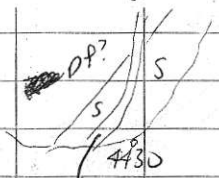
minor float measure po-py

~ ~



SDI #P, carb.

J12 430



S₀ 116, 44 SW

D130, 48 SW = 115

J13 top 4300 S, SS₁ aureole of pyrite

aph. of blue grey R.

below Q carb alt. of Rhy - vein + lichen

@ 4330 V 100, 87 SW

@ W of etc 2m Q carb alt SDI like 07990

then @ 4280 to S of dike pyrite aph R-RD ^{med blue grey - yellow green}

~~median by the side of~~ locally strong festoon

4230 - Seds below R 115, 39 SW

4150 Upr R. below seds. w H₂O₂ py

@ V 110, 83 SW ~ 2-3cm Q carb vein

scat'd patches of magnetic py 2-3cm

J14 @ 4090.2 Q carb ho-ven zone 5-10 cm

070, 79 NW 085, 80 N

@ 4085 + App in northern vein

J14 @ 4050 Massone of med gr Py. App in Q Carb

vein on S. ~6" thick

Geochem 4481

@ 3990 to S minor C-Q vein 063, 90

in Rhy pyrite

to 3940 same

J15 3840 Seds - lumpy

@ 3830 Q carb vein 1" 096, 88 W

D. PENHALL LTD MADE IN B.C.
 3140 Seal etc - continues @ 3680

10 SW @ 3770 base of clearing

go up - rubble

3800' small etc R w 2-5% py patches 2-5 mm
trend of open area ~ 125° above carb alt @ 3830

J17. 3900 - large etc str Fe stained R

then at bend from 045-075 3m Carb alt S Di dikes

1" Q Carb alt V 116, 87 SW 088 steep

near end of to 2-3' @ carb V 100, 88 SW

into sedo

@ 3770 in Q5. down; around from J17

1" QV 168, 90

J18 3610 above creek R with 5% dolo po. locally

then creek at about proper elevation

on S of creek @ 3540 is Q Carb alt of 80C²

J19 @ 3470 in creek - just above jet with small cr to N.

STROMSILT GEOCHEM 4476 = VESTOR F-97 ISLS GEOCHEM 4478

3470 on S of creek Q Carb alt intense of
sedo?

J20 3420 float G-Q + GL, py, etc? Geochem 4482

In N Alt'd rock (QC) + QC ± py vein 125, 90°)

@ 3440 up small creek - QC py vein

3400 massive med blue-green R 0.5% py unaltered

3350 3m? wide Q Carb zone on edge of creek
V 090, 85° N

on hill below to S is alt'd and site

@ 3285 on N str alt'd rock - R?

w Q Carb veins

3230 on N d'Arbalt's rhyolite small etc
across from main etc ~~at~~ ^{slightly} RD-D
etc fracture set developed

3700 Spraltd zone = P389

J21 3080 Steam led 4477

on N is jor fract R₂py - RD py med blue gg.
siliceous. main fracture set 100,90

Thurs July

JJ.

J22 2950 on line south of Truck Egn A

²⁹⁵⁰
↓ 3150 - here with 2% Pb of magnetite

↓ 3230 - ~~conver~~ gr A.

Top of rhyolite near W - 250' then gently slopes
to S. - no outcrop

@ 3150 small stream - Gochen 8561

@ 3050 el Soil

Creek @ 3000' adjacent outcrops

10" x 3 x 6" boulder of Carb - py lesser st, gl.

L1 3080

L2 3130 @ of alth in Sedg strong.

L3 3210 low end of And.

L4 3285 - at d'Arb altz

L5 3380 above creek Jot - 20 m below S-m etc

Creek at 300

3490 - RD - alt - dk blue - gy ± py

near top of otc small fault
173, 72 E
1" 95

Creek at 280

3520 (Sider) small otc Q-Carb alt. after D?

3540 (N) med-dk blue - gy D with 2-3% py

~~3580~~ (N) same (4cm otc) str. fract, py veins locally abund.

3600 N large otc D str. fract - med-dk blue - gy

3620 S Q-Carb fine gr Di - SDi - pink

3675 = 3740 of P390-91 traverse)

upper part of otc prod beds S, M & G So 16044 SW
a few py spots up to 2 cm across

then red then D → 3720 with locally abund
pyrite veins + dissem. then beds - contorted
and altered with secondary py ch.

3770 E side up from creek - knob of altered rock
prob D → small chlorite zones dk green color
scattered py spots

122 3900 up on N side Q-Py-Carb ^{± sl} vein up to 30 cm

wide, 10m long cuts Py-chl alt D ± beds?

√ 151, 75° SW

123 3950 str. altered zone @ 1st creek - Jct ~ 3900'

√ 130 90, 5 cm, 148, 78 SW - 10-15 cm

Q-Carb

Q-Carb-Py

up creek str. alt. Q-Carb. ± py

@ 4020 alt. weaker or med. dk blue gy

vein 20-30 cm wide Q-Carb ± py ch.

√ 142, 68° SW up to 20cm long

J24

@4035 - 1-2m long zone with coarse sl
patches of py locally apy sl
This could provide float for samples
and

Assay Sample 4483

7m ^{SF} creek

vein bends & continues up ridge

~~to~~ V 142, 72 SW

@4045 - 1-2m long 15-20 cm wide with
zone 70 cm wide (lens) rich in apy

Assay Sample 4484

fine-med gr

In creek thin bedded S, M+G S0 149, 48° SW

across creek about 60-stam

one C-Q vein V 113, 82° SW 2-8 cm wide

one py red veined subparallel to it

@4060 vein is 10-20 cm wide with some

lenses of country rock.

up to 25 cm - are - 10⁻¹⁵ contains

Coarse sl with finer apy, py, of etc.

ASSAY SAMPLE 4485

=^{exp} Rock in creek @

4075 vein offset to W ~ 15' ? in rubble

line V 157, 81° SW

W B-m gr sl apy - 10-15 cm wide

top of vein @ 4100 only Q, carb + py

rx mainly seeds 4486

@4250' Seds S.M. \pm py - or alt.

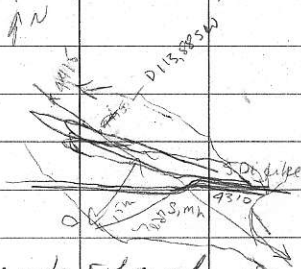
some Q py gres S0 010, 26° NW!

4230 tiny Q Carb ven 1/2 cm - 2 cm 106, 83 SW

@4265 S0 006, 30 NW in fri bedded S.M.

@4280 S0 swings to 120, 50 SW

4310



side of fl. contact
Strong lineation
plunges 80° W.

@4465 route Ed of creek

low minor Q py ven? in SDi (Q Carb alt - pink)
dikes -

above in creek is Dh uniform \pm py
outcrop widens to ~30 m in creek

@4605 Q py ven 185, 90° (1 cm)

Q-Carb veni ^{+py} 10 cm 135, 78° SW

in Dh - etc - 40 ~~to~~ m wide

0.5-1 m discontinuous finely laminated

F dike cuts Dh (with scatt patches of K-stain)

D 112, 90° (looks like seds.)

in part warped around. Strong lineation

as at 4310 \hat{L} line plunges 45° SE

@4690 cut by Q-Carb veni V 127, 82 SW 2.3 cm

@4740 3m SDi-dike, platy

above 128, 89 SW, below 080, 90
cuts D as before

distance to J2 ~~100~~ ^{@4790} - J2 el 4850

@4790 dike heads sharply to 08 2, 72 NW 4187
J25a 4820 Q Py Apy vein 2-5 cm wide 130, 88 SW
J25a 4830 vein cuts Q Pyl ± Gl vein 089, 84° NW
↓ (2-3 cm thick) 4488

one parallel vein 1 cm - 2 cm wide

4890 3 veins 1 m apart each 2-3 cm wide
Q ± Sl Gl. V 101, 78 NE

4935 Q-C vein in upper vein
V 096, 75° N cuts Dh.

4970 Thin SmtG rveles D. So @ 152, 52 SW

4980

dh/kggy / wh
Dica / Dica
± Gl vein / intr / -4980
seeds

V 092, 82° D same veins as @

4890 - up strike

E-W fracture set cuts ~~veins~~ but veins do not.

@4990 = el of J1 knob @ 5050 ??

J26 4900 15 m before snow chute

3-6 m SDC dike cuts Q Dica

D 110, 90 ± 10 (platy)

just beyond dike is V 10 cm wide Q Py / SmtG
118, 85 SW. V over 3' length numerous
cut off by dike to gl.

at snow @ 4980. 2-3 m Q Carb altered dike

125, 80 SW, variable minor Q Py vein to NE

Most Di & is carb alt'd in bed. ^{± sl, GP?}

Ridge to W above 4950 grad etc Di &

still near end then etc ~~swings~~ swings
up towards saddle

near end 1-2 cm Q Carb vein 119, 87 SW

2-5 cm Q Carb with 6 1-2 cm py. beam
zone 130, 75° SW

Clam line crosses more @ 4920'

Just beyond snow - several 5-10 cm veins

Q ± Py minor if py 125, 90

Just above J1 3m SDi plity dte. 094, 86 S

J1 el 4950'

J1 to ridge 085. to small creek ^{of Jule Cr} 155°

to gully to NE ~ 40 m → Jule Cr

Dike goes thru NE side of J1 kind. 2-3m

Wed ^{July 16} Log U-1, U-2 at E. Ashley

Thur July 17. Tulesequah River N of Skagak Co

482. QM Chl? G H₆ Schist - Gneiss med-coarse grained
well foliated S₁ 118, 52° NE, strong lineation
= F₂ plunges 55-70° SE on S₁
some broad wings in S₁ about this axis
Common Fe-stain

rock is med-dk grey in color
numerous qtz veins - metam. segregations || S₁
kldls, possibly veined garnet aspheno
nearly F₁ 080, 36° NE

just upstream 20m S₁ warped to 170 80° SW
in unusual fold? at edge of rapids

30m S F₂ 083, 60° SE S₁ warped arc

50m S tightly folded F₂ axpl. 070, 68° NE

axes plunge 60° NE F₂ 055, 60° NE

very tightly folded with variable F₂ up to ~90°

S₁ 125, 39° SE - cut by 2m dk green basalt

dike 178, 62° SW

then S₁ 141, 66° NE

Qtz vein boudinaged & rolled into isolated knots
then sil unfrn S₁ 085, 75° NW in variable gneiss
schist generally dk grey ± brown weath.

Carbonate-rich zones, very deformed Qtz veins

then S₁ 093, 63° NW but still very variable

Major
483- Creek S, 129, 63° NE in gneiss as before
some graphitic layers - (prob unit - graphitic schist)
point to S. S, 118, 69° NE

L₁ ~~plunges~~ plunges 50° SE

down edge above river S, 141, 70 NE

484 start of gravel bar

QFM no gneiss lt pink S, 137, 59° NE

fairly uniform with broad warps

485 island in gravel bar on shore before

strongly folded QFM gneiss - rusty weathering
common - no uniform S₁ (F₁ axes not seen)

S₁ moderate to gently dipping

486 on river - to W sh. folded, pyrite lenses

→ Fe stain as @ 485. To E same rock uniform

S, 142, 68 NE (no or little Fe-stain)

487- m. sharp edge rubble etc QMCGIS

S, 037, 48° SE

~ 50m downstream same rock w. hbl. phenos

S₁ 021, 43° NW

then synform S, 123, 45° NE

then series of warps to river

F₂ 084, 33 NE

at Rivers end F₂ 089, 24° NE

in QMCG (Hbl - clmd) sch - G₂

± L lenses up to 50cm long

anticlinal axis

to SE 083, 15-20 NE

then F, 089, 35° SE S₁ 028, 48 SE

then 8m Peloside dike 043, 73 SE

then F₂ 089, 29 SE S₁ warped gently about
this - some layers w/ to 80 cm thick w coarse
andalusite? phenos 2-10 mm.

487. Small creek. S, uniform in QMC Hb Gr-Sch.
120, 57° NE.

blt phenos 2-3 mm in many layers, a few L lenses

then S₀ - 159, 59 NE locally warped.

some folds with F₂ plunging E

some tight folds in graphite unit w of it.

small fault

40 cm A-B dike cut off by fault

then gently dipping rx 175, 21° E

488 - corner - Andalusite & green QMC Hb + Gr = Act -

S, 153, 50° NE generally uniform

On bank of ~~the~~ trees - same rx less andalusite

S, 142, 57 NE

long stretch rock - talus from above

489. QMC Sch Gr & andal

at N^s 090, 22 N -

50m S^s 078, 28 NW

then 10m Pl. Hb & Di dike 0041, 75 SE

dk gr sch-gneiss as before S, 048, 30 NW

cut by minor vein Pl-Hb & dike, etc