

June 15/76

Jubilee Mtn - Rain

L-15/6/76

82K 15E
16F

- mileage at west turn from
Spillmacheen 695.0

- left to Giant mine road at
locked forestry gate

L-15/6/76-1

- at porphyry

- outcrop on road strike
course quartzite

- About 1/4 mile before mine
take south Spill R. road.

- Take westerly forestry road
south of mine bldgs

- leads to Pb Mtn adits in
6 1/2 mile

L-15/6/76-2 - Lead Mtn

adit cut into steeply dip
quartzites & gneiss

- pyrite in dark grey
l.s. float

- ~ 150-200' up hill, traceable & other adit
- fractured pinkish grey dolomite ^{replaces & impregnates}
- galena & dolospur in fractures & cavities
- hydrozincite? pale red with Zn Zap
- porous: smithsonite (orange) in a few places; traces mal.
- fracturing near vertical
- pieces, up to, 20% galena usually 10% or less

At westerly road fork near adit

- 2500' westerly
big west

L-166/76-3 - red soil with some pebbles at surface

- nearby outcrop dk gy brecciated l.s.

#4 600' light grayish, sandy
brown clay
4" down
- with some pebbles

#5 1100' - as above; west
side swamp
but out of it

#6 1500' reddish brown, flat
3" down ground

#7 2000' reddish flat
5" down

#8 2550' light brownish
gray, sandy slight
5" down east
slope

#9 3000' as above slight
east
slope

June 17

Jubilee Mtn 82 K 16/W
Fork to Lookout: locked
forestry gate

835.4 mile

L-16/6/76-1 - outcrop light
gray, sandy dolomite;
some open vugs but
tight

L-16/6/76-2 - light gray, fine
to med gr. dolomite, mottled
weather; tight
- local breccia

- 837.9 or 2.5 miles from
gate

Traverse begun 1/2
mile north west of

Jubilee Lookout - bry. 270°

#3 - red sandy, pebbles by road
dip 5" down slight west
slope

#4 - lite brownish gray slight west
400' sandy slope
3" down

nearby dark grey, sh. curved
l.s. & rods plunge - 270°
& steeply

- #5 830' light brown steeper
grey; 5" west
down slope
- #6 1200' as above steeper slope
- #7 1600' like grey steep
- #8 2000' med. brown steeper
slight recurv.
- #9 2400' yellowish brown steep
4"; close to talus

Flout l.s. congl. with
veins black chert

- #10 2800' greyish brown edge steep
5" down outcrop

- dark grey wavy lam. l.s.
- beds. 315°/E
- in places beds lensoid
& separate

#41 3 mi ^{sample} medium brown steep ²
at surface slope

Close to glaze float & fault?

- Lookout 842.4 → going down

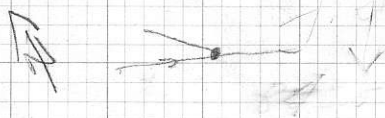
- traverse (above) mile 0.6 from ¹ lookout

- junction at switch back 1.2 miles

1-16/6/76-12 - 2.3 miles

- soil light brown clayey, on roadside, 6' down, eastern slope ^{2.1}

Junction at 2.5 miles



Curve & switch back 846.1

Milage 4.0 - traverse at sharp switch back

Brg 135° ~ 1000'

At 1000', hollow between 12 ridges; new bry 45°

- turn bry

distance describe
13 0' reddish brown
clay; in hollow

(east side hill, buff weather,
white, fine gr dol; at
top.)

14 ~ 800' dark reddish steep
brown slope above
talus

Talus is an outcrop
above but is oolitic to
pisolitic

15 - 1100' as above steep
but with east slope
pebbles, close
to talus

Outcrops between #2 &
#5.0 miles: light & dark
grey dolomite -> darker, thin
beds & brecciated farther
up slope
-- ve to Zn Zapp.

June 21

3

Jubilee Mtn

Sunny

82K/16/W

Spillmackeren - mile 194.8,
westward turn to lookout
road from Highway

Gate 197.8 - a mile 3

L- 21/6/76-1 mile 199.7; elevation

3350'; prospect ridge
west road; cliff, light
gray, brecciated locally
in fracture zones; float
with slickensides

- fracture direction $145^{\circ}/45$

- Malachite trace at W
one spot.

- Soil over top ridge
3" down reddish brown,
with rock fragments

L-21/6/76-2 - walked
up old road northward
at 1st switch back,
- road cut & reveals
Eg dolomite; full of
layers (1/2") of white
dol spar with dark lam.
separating them & veins
between veins →
zebra-like → replacement



down to creek & up it,
dol spar as above seen

L-21/6/76-3 - up creek
elevation 3550
- silt sample

L-21/6/76-4 - quit at
1st switch back

Mi

• Mile 02.3 9

- fork to easterly side
ridge

At 2.6, crossed cut
line 2-50W by 45°

- At ~ 3.0 mile, ran
into the enemy; turn
around back to Lookout
road.

- At mile 04.9, switch
back to Lookout →
continue north west at
the fork

- At 5.9, fork to east →
road flooded

- drove 1/4 mile up some
road then returned to
fork. walked onto easterly
fork & crossed swamp.

L-21/6/76-5A - ridge

east side swamp
Turbidite dolomite brecciated
with open vugs that
aren't connected

- 3 small trenches, old.
- about 100' up hill,
float of barite with
malachite, gal?, other
sulphides?
- Sample

- Near top hill by road
claim post TM-5 LCP
#05065

L-21/6/76-6 - about 300'
further north west on strike
old tunnel about 15'
into ridge

- qtz veins (2) about 1"
wide each
- 340°/70° easterly
- mal, azurite, silvery sulphide

L: 21/6/76 - 5B

5

just above road at 5A
- soil reddish brown,
with fragments

Returned to fork where
we met the enemy
earlier. Walked on
old road to eastern side
(ridge). Contact of
Myc Kay & Jubilee in
creek

- scatterings of galena
~~veins~~ impregnations
& dissolution in breccia of
Jubilee



June 22/76 - rain 6

Jubilee Mtn 82K 16/45

- Silver Giant

- visited large cut about
200' above mine buildings

- overturned anticlinal
nose; barite, brecciated
light grey dolomite in
core with dark grey
slates wrapped around.

- Only minor mineralization
observed; dissemin. &
impreg. galena into barite.

- rare sphalerite

- Zn test scattered &
generally weak.

h- 22/6/76 - 1

Drove up lookout

Road to DeKalb
property; walked road &
crossed to other side
(east) onto low ridge

L-22/6/76-2

- old trenches into vein striking 70° ($3'$ wide) dips northerly 65°
- barite with later qtz veins & silicification
- lots galena in veins & replacement
- a purplish grey sulphide
- pyrite, mal. & azurite
- Porous brecciated Tubifex dolomite \rightarrow ~~closed~~ open vugs

Traverse south easterly from road at switchback about mile $5\frac{3}{4}$

- at ground over road

L-22/6/76-3

Soil - brownish grey, 3-7' down - west side low ridge

- outcrops nearby of

Light to med. grey dol.
Ej?

- swampy hollow to west

Climbed westerly to
ridge → base cliff

is light to med grey,
reddish weathering
dolomite. About 100'
below base are small
outcrops of slate

L-22/6/76-4

Soil ~ 45° by down
slope; flattening out

- reddish brown, 3"

down; near small creek

L-22/6/76-5 - 500'

from #4

- Soil, reddish brown,
3-5" down, flat
area

L-22/6/76-6 - Edge of
ridge over Columbia
- soil, reddish brown,
2" down; near outcrop
of Jubilee Fm

June 23 - northwestern
end of Jubilee Mtn

- Road to Lead Mtn,
2 miles past cabin,
traverse 45° up hill
to top (Rain)

- 82K/15E

L- 23/6/76-1 - soil,

reddish brown, 2-5" down,
lots of argil fragments,
~ 100' from steeper
slope to outcrop of
cream to white, brown
weather dolomite →
→ partly brecciated but
tight, some silicification
in veinlets. Sample over
E0m & outcrop E_j?

L- 23/6/76-2 - near

base of highest part
hill, about 400' from
east

- reddish brown soil, lots of fragments, 3-5" down

Top hill dark grey, brecciated + veined l.s.

- micrite matrix with later veins dol spar
- finely lam dentite
- bed $85^{\circ}/60^{\circ}S$
- $23/6/76-3$
- About 300' north easterly along ridge, faulted contact with rusty brown breccia dolomite, lots of Qtz + dol spar veining, mal, quartz, pyrite
- very old trench (to camp?)
- chip sample
- soil 3B

About 170' long 100° from above, into slates

- At 1000' outcrops dolomite later slates

Crossed creek at 2500 feet
- brush very bad

L- 23/6/76-4 - 2900'

Soil, reddish brown, 3"
down, blocks shale

- just crossed ground
over logging roads

- About 500 feet
outcrops dark grey
l.s., finely laminated, but
massive chunks

L- 23/6/76-5 - 3700'

Soil, reddish brown,
rock fragments, 1 to 4"
down, steep east dip
slope

- 200' back, toward
old prospect vs 11+00N
con old road

By 200'

L-23/6/76-6-850'

- soil, reddish brown
2-3" down, on rocks,
flat area just E.
outcrops

#7 - 1150'

- soil, red brown, rock frag.
just over outcrop
grey, massive dol.

#8 - 1500'

- soil, reddish brown
with rock frag, 2-6"
down, crest of
small ridge to
west

To road 7000'

To truck 2000'

Jun 24

82 N/2W - Cloudy, scattered
rain

- Crossed Columbia at
Parsins & drove S.E. along
Sarkorn road (Goal. Red
Property). After 4 miles
abandoned as wet conditions
& bad road conditions
prevail (82 N/2E)

- Drive to Parsins
Bauxite pit to get soil
sample (labeled from
previous time here)

(Dip $185^{\circ}/45^{\circ}$ W)
8' thick

L-24/6/76-1

Soil, reddish brown, rock
fragments, 15" down,

collected on n.w. side of
pit

- local fault In reaction to
spray

L-24/6/76-2 - soil, 100' south
of pit end & 500' south.
of previous
- reddish brown, 3" down

- Vein followed for 400'
south of pit

At 2 car miles ^{s. east} past
mine, (on 3 mile road),
traverse 45° to find
hill location IX L + Corden

At 950', bag 1350

At 1000' bag 2250
to road

L-24/6/76-3 - soil,
2-5", light reddish
brown clayey, flat

Back to truck, bag
2250

L-24/6/76-4 - soil, reddish
brown, 3-6" down, near

base of hill that
slopes to west

L-24/6/76-5 - 1300'

- steep slope, reddish brown
soil, 2-4"; dolomite rock
fragments

- Nearby up hill outcrops
of dark brown weathering
dolomite (dark grey) - quartz
veins

- In 100' cliff of reddish
brown grits

- At 1030' top hill

- Walked southerly along
top hill & checked
westerly slope -> all
grit.

+ Brg 45°

- About 500', crossed
brown weathering dolomite

Followed the dolomite
layer (30' thick for
500' old trenches →
qtz veins → malpais
trace pyrite & cpy
- looks interesting

Rose & Daisy → Pb

Parsons Barite

- FXL Condor - claims on top of small isolated ridge which hides abruptly; from top Columbia & spill rivers can be seen
- beds argillite & l.s. dip almost vertical, strike SE
 - ore mixture gal & sph replace & impregnating l.s. near contact with argillites
 - ore in bunches & in places 1% druse.
 - shallow shaft - below is open cut.
- < following hill contour for 750', small open cut exposes low-grade ore. Mineralization can be traced up hill

Red - Pb Zn Ag

June 18 - L-18/6/70

- sunny 82N 2/E

Turn off (west) at Parson

- At mile $3\frac{1}{2}$ (before a culvert is crossed) southerly turn on Mitten Lake road.
- About 0.2 miles in take right fork around swamp to the Parsons barite pit.

L-18/6/76 - About 30" thick vein barite 3550/4500W cutting thinly bedded & sheared argillite & ^{qtzite} minor limestone.

- strike $100^{\circ}/75^{\circ}$ s
- qtzite is dirty & thick bedded.
- small stringers barite extend into country rock
- along contact mal, azurite & pyrite dissen in veins in sediments
- mal in barite
- traces cpy??
- disappears north into swamp

rodding(?) $180^{\circ}/35^{\circ}$ Pacific Rainproof

- traverse to find ILL 2

Cordon began 1 mile southeast
on Mitten Lake Road

- by 45°

- at 1330' edge of hill
crest

L-18/6/76-2 - soil

- 1700' on Columbia slope
- reddish brown, sandy,
5" down

- side hill south
along contours 1300'

L-18/6/76-3 - 1300'

- steep slope, near top
- reddish brown, 3" down
greyish

- by 45° fr - 500' - no
outcrop; approaching a
flatter area

L-18/6/76-4 500'
light brownish
grey soil 3" down, clayey

Talus of slate & phyllite shale

- side hill south for 4.76'

L-10/6/76-5 - soil

- brownish grey, with shale chips

L-10/6/76-6 - 500' (back up)
soil reddish brown, ^{hill}
rocky, with shale chips

- 3" to bedrock

- partly organic

L-10/6/76-7 - 960'

flat area west hill
of previous example
- yellowish brown soil
5" down; pebbles
& sandy

- Back to road

- At 48.5 a road
fork to n.w.; down
it for 7/10 mi. & climbed
out the higher ridge but
no outcrops (east)

About 1 1/2 mile southeast³
along the Milton Lake

Road now traverse ~45°
to another ridge

Unable to find EXL &
Cordon property. Possibly
is at top of small
ridge about 1 mile se.
of hill that was prospected

- Visited Ranger in Spillimac

Apparently Decal(?) is
drilling top of Jubilee
Mtn. on the Crown grants
east of Grant. The claims
west of these grants (TM)
belong to Corninco(?) →
road will be built up
hill to them(?)

June 30/76 - Survey
82 K/16 - Steamboat

- investigate Steamboat
claims stated last &
this year

- Drive Steamboat ridge
road from Radium. Take
westerly fork at about
divide on Steamboat.

L- 30/6/76-1 - At 6770' up road
from junction
Trench + stripping

- intensely brecciated idomite
with ^{qtz} barite in fractures.

- fine impregnations of galena

- + zinc gap

- Small ridge here is
mineralized

- Survey May 16/76

- elevation 4400'

- more qtz than barite

Sample

Walked along ridge for ~ 1 mile
→ past claim post
steep bank 3; further on
outcrop uncommon & ~~is~~ unbrecciated
solomite.

L-30/6/76-2 ↑

By west over hill

L-30/6/76-3 soil on
top hill

- face 230'
- 3" down, reddish brown,
lots rock fragments
- elevation 5080'

L-30/6/76-4 - 750'

- elevation 5080'
- Soil, reddish brown,
with west sloping
4-6" down

- 5 - 1370'; 5100'

- Soil, reddish brown
- as previous

July 1 - Rain

Steamboat

82 K/8

- L- 1/7/76-1 - ridge

close to road

- Dolomite → brecciated,
interstitial & oc in qtz,
dol spar & some barite(?)

→
Drove up Steamboat
Ridge Road past southerly
junction to Steamboat
showing. About 1/4 to 1/2
mile farther west, took
northerly turn to go
onto ridge top

- Near top walked
down from 4900' to
4500' → steep outcrops
at 4500' of s. s. & qtz -
pebble congl. Overlain
by dolomite?

L-1/7/76-3

drive road to south
east

- Next to small pointed
ridge
 - outcrops light grey
dolomite
-

Walked up road to
4750'; by 315° \rightarrow
they headed straight up
hill

L-1/7/76-4 - 5000'
- Edge cliff dolomite

L-30/6/76-6 - 2150'

elevation 4875'

Soil, reddish brown

- S. w. facing slope

L-30/6/76-7 - 3080

el 4750

Soil, reddish brown

Walked along contour to
south

L-30/6/76-8 - elevation
4025'

- Exposed cliff of
unbrecciated dolomite

Jubilee near
lookout.

JL 16/6 - 3 → Cu 51 ppm
Zn 178

JL 18/6 #6 - 100 Zn
north LX

JL 20/6 #9 800 Pb, 180 Zn
Jersey

JL 21/6 #5B 130 Zn - soil TMA

JL-19/6 #7 280 Pb
Briso
quarry

Zn 100 40

Pb 100

Pb 156 20

Cu 156 10

1
Jersey - 3800'; discon of
6' minor gal & py in brecciated
1/2 mile zone next to large
fault

Hat - steep side narrow

congru; crushed ls in shear
zone - tunnel N60°E for 410';
packet of ore near portal
- finally *Xino galena* as
impregnations in l.s.

Brisco - between Templeton &
Dunbar Cocks

June 19 - Steamboat

Mtn area

87K 16 ~~16~~

Cloudy

Crossed Columbia at Brisco
& took 1st south turn
(mile 27.5)

↑
car

L-19/6/76-1 - small road,
cut purplish quartz &
qtzite - ~~is~~ Ec?

L-19/6/76-2 - side of ridge
to west - (mile 29.9)

- sheared, slaty & veined
dark grey limestone with
minor qtzite & slate
Ejabelle

Soil sample, 2 or 3"
medium greyish brown

mile 30.2 - Bryanston Creek

L-19/6/76-3 - mile 30.7

- climbed to top
ridge & followed northward
to Bryanston Creek

- Dark grey, massive,
very fine grained limy
dolomite

- Infrabasic veining of
dolomite trend? $\sim 85^\circ$

New miloge at Bryanston Cr. 2

35.7

2-19/6/76-4 mile 36.1 north
of creek

- soil sample close to
fault on Reeser's map.

- lite brown, with rock
fragments, 3" down

Fork westerly of 36.7
Drove up bit to 36.9, a
fork northerly

- side hill travel ^{southerly}
to cross fault (Reeser)

2-19/6/76-5 - 305'

soil - lite greyish brown
3" down across a

small gully. Gully

may be fault??

- float nearby of
qtzite

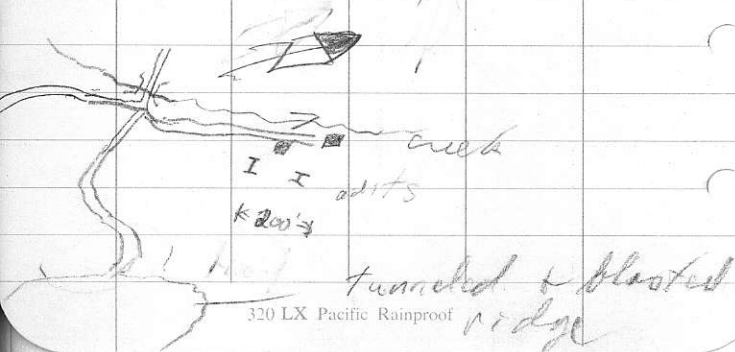
At page 400, steep
cliff shealy dolomitic ls.,
dark grey; veined

Continue northward along ridge
L-19/6/76-6 - 350'
northward from previous
location

soil - reddish brown, with
chipp l.s. in it, side
of gully as before

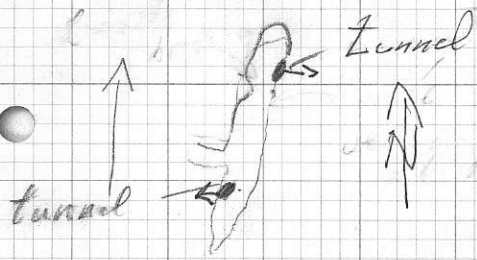
Brissot Barite - active
on Templeton Creek mile
46.0

- 2 adits southward into
hill; not outcrop
- blocks of precipitated
grey dolomite full of
barite; - or zinc
test



- big bridge close to adits, 3
- southerly turn - mileage 46.1
- about 0.2 miles south,
- ridge that has been
- extensively blasted & trenched.
- L-19/6/76-7 - large pit
- 300 x 40' trend 15°
- brecciated grey dolomite &
- bruite veins which are
- also brecciated
- extension slickensides
- slickensides 220°/53°
- lots of rust stain with
- some pyrite
- shears farther up hill, 175°/65°

- discontinuous chip
sample across 30° of
the trench



dip of a thick barite
vein 40° easterly

- returned to bridge
& followed road southwesterly
mileage 46.3

mile 46.8, old trench
in barite outcrops

- undisturbed
- southerly strike from
mine

L-19/6/76-8 - mile 46.9
soil sample

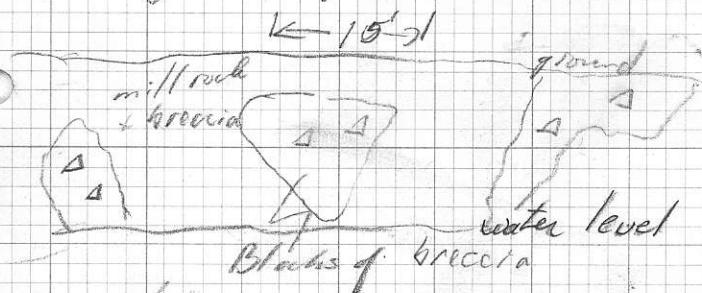
- reddish brown, amongst
rocks; 9" down
- on easterly dip slope

About 0.1 mile further
south is large trench
30' x 100', brecciated
dolomite & barite

- in places large
chunks of dol-barite

breccia up to 15' across
- breccia → faulting →
faulting

- breccia is angular
in breccia & is in
elongated pieces



plan of part of east wall

Soil samples across fault
zone

h-19/6/76-9 - east side

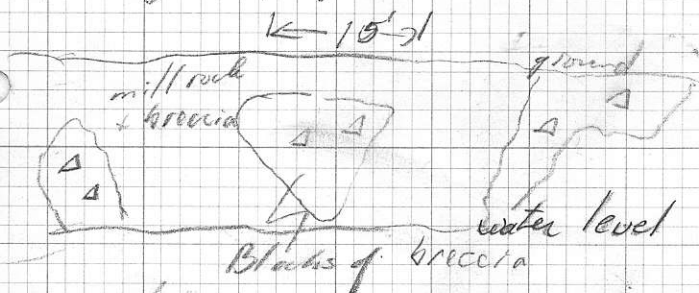
25' from trench
- medium reddish brown
4" down; rock frags

h-19/6/76-10 - 25'

west side; reddish brown
soil 5" above rocks

breccia up to 15' across
- breccia → faulting →
faulting

- breccia is angular
in breccia & is in
elongated pieces



plan of part of east wall

Soil samples across fault
zone

h-19/6/76-9 - east side

25' from trench
- medium reddish brown
4" down; rock frags

h-19/6/76-10 - 25'

west side; reddish brown
soil 5" above rocks

- Returned on road to
- Briso & stopped at
Temple near Creek; trail to
Hart??
- near mouth skinned l.s.
 - 10°/150° plunge rods
& drag folds
 - dolomite veins cross
cut shears; some berite
 - fault
 - prospected west side, no
mineralization
 - longer sides vertical;
tunnel (Hart) on other side
probably?

11
mileage at Templeton
R Bridge 49.3

- drove towards Jersey
showing.

June 20 - Steamboat Mtn 5

82K/9

Mileage at west turnoff
from Radien to mill

106.5

L-20/6/76-1 - soil at mile
113.5, just past gully.

- med. brown, at surface, clayey

Took left (west) fork at
114.1

At 116.8 took west fork
up Steamboat Ridge
Road.

L-20/6/76-2 - around switch

truch southerly, grey sheared
dolomite; dol. spar veins

mile 117.1, 3400'

Thoroughly lost on Steamboat
Ridge Road.

Mile 27.6 on Westlake
Road to Invermere

- Westside on road to
Tersy property, note
135.6

L-20/6/76-3 soil at
on mileage 136.2, beside
swamp

- reddish brown, with pebbles
3" down, slope north
- many strikes westside
- boulders conglomerate

L-20/6/76-4 - soil at

band in road; fresh
flagging bog 15° 0'

- mile 136.6

- one line 90° bog
crosses it

- bog of main line
varies but is north
westside

L-20/6/76-5 easterly side

- of creek, steep slope
- other side of fault?
- reddish brown, clayey, 6-8' down

- about 700' south easterly along edge of hill on tracta road is stripped & blasted (for road?)

fine grained, light grey dolomite → azurite & mal. in fractures

- walked up old road for 800' & turned onto south easterly fork

L-20/6/76-6 - 2130'

- pure form forky soil reddish brown, with dolomite chips

- on strike with slightly bedded + sheared, dark grey dolomite

- some tiny round fragments
2100'

Brq 80'

At 630', crossed
narrow gully, finely
wavy lam with
bed stretched into
fragments locally.
- up steep hill

L- 20/6/76-7 - 900'

- 4500' elevation
- soil from flat area
next to steep slope
- same dolomite
- grey sandy soil 5"
down; dolomite chips
in soil

Pace 1650' el. 4925';
side hill 345'

L- 20/6/76-8 - el. 4700'

- side hill for 2200'
- base of light grey

to bluish grey weathering
dolomite - finely lam.

but appears massive
- some float white
qtzite

Box ~ 300' down hill

el. 4300' - into sheared
interbedded dol-stale
1.5.

L-20/6/76-9 - elevation

Soil in flat area in 4150

slope; reddish brown, full
of dolomite chips

Area 1450'

Cross road + creek

L-20/6/76-10 - other

side creek
- reddish brown with
pebbles

2" down

- back to road across
creek; C. P. final post
39692, 93
initial post 39994
39695

Walked back to fence,
a bit more than 1/2
mile.

L-20/6/76 - 11 a 1000'
S.S. East of bridge; below hill
& massive dol. outcrop

Soil - reddish brown,
with pebbles, 2"
down

- further south
east down post initial
Jersey 9 536798

1/2 mile 20 1/2 from on
Westlake Road, turn westerly
& cross Frances Creek (Steam-
boat Ridge Road)
Mile 47.1

L-20/6/76-12 - Mile 49.5

Elevation 4640'

Soil greyish brown, 3" down,
with numerous pebbles & roots

L-20/6/76-13 - Mile 50.5

El: 4370'

Soil 3-5" down, light greyish
brown, lots pebbles

L-20/6/76-14 - Mile 50.9

Elevation: 4500

Soil: Greyish brown, with
pebbles, 3-7" down

Junction at 51.2

L-20/6/76-15 Mile 51.3

Elevation 4480'

Soil 9" down, reddish
brown, sandy.

Drove this road for
7/10 mile & returned
to main road (muddy)

New mileage 52.3

L-20/6/76-16 - mile 53.0
elevation 4300'

Soil: reddish brown, 3 to
5" down, rocky

L-20/6/76-19 mile 54.7

Elevation 3640'

Soil: 3 to 10", greyish
brown; a few pebbles