

824199

July 16, 1984

K. Heather
M. Carrigan

Traverse along road which crosses
Botteral Creek along the 3200ft
contour. Extremely hot
35+ °C

H.S.-14 (1 H.S.)

fine + Aug 25/84

(poss. small 721m w/ ma	Rocks completed. Whole-rock geochem complete. Litho not backget. July 16 → 18, 1984.	ocrop issue icated stion
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SC84-5099 (1 H.S., Litho)

Medium grained diorite with
hornblende x-tals ~ 3mm long.
Plagioclase phenocrysts are
epidotized locally imparting
a distinct pistachio green colour

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Botteral Creek along the 3200ft
contour. Extremely Hot
35+ °C

H.S.-14 (1 H.S.)

fine to medium grained subcrop
(poss. %) of diorite. Massive
small % on road bed. Located
721m up road from junction
w/ main road.

SC84-5099 (1 H.S., Litho)

Medium grained diorite with
hornblende x-tals ~ 3mm long.
Plagioclase phenocrysts are
epidotized locally imparting
a distinct pistachio green colour

to the rock.

53-59

056/58 SE

//

1231m f.-grained andrite with
what look like leucoxene after
sphene? (H.S. - 15).

Aug 25/84: Rhyolitic composition
65% SiO₂
1640 PPM Ba.

1298m ↘

BCS-2099

(1 H.S., WR)

Siliceous (rhyolite?) QFP.

Can't seem to tell its
geometry in %. Can see

feldspar + quartz phenos.

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Bedding is difficult to see
but an apparent bedding

between ↘ 078/31 NW

W

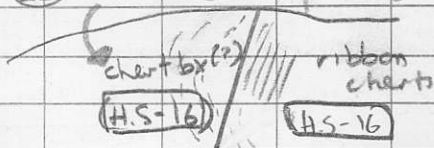
East

dark
grey
silt
light
grey
chert

1341m % of ribbon cherts with
what look likes bedding

✓ 037 / 70 NW

(25) Mike took photos of this



bedding (?) almost appears

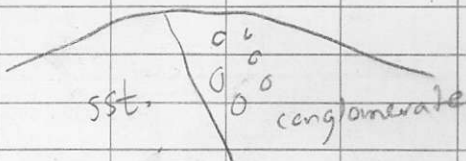
to wrap around (fold?)

Aug 1/84

Ribbon cherts are similar to 5087.

1433m

✗ bedding 040 / 68 SE



traverse stopped today
at 1445m from main road.

July 17, 1984

K. Heather
M. Corrigan

Sunny!

Traverse continuation of July 16.
Starting traverse at 1445m from
junction w/ main road.

SC84-5100 CHECK SAMPLE OF QFP!

SC84-5101 (I.H.S., litho)

Small % of fragmental rock
which contains abundant lithic
frags containing feldspar and quartz
phenocrysts. (resembles a QFP frag.)
Fragments are poorly sorted,
angular (cherty frags are more
rounded) and are set into a
fine greenish to grey matrix that
locally looks ashyl(?). Can see variation
from matrix supported to fragment
supported.

Is it conglomerate or volcanic.
(poss. conglomerate derived from
volcanic terrain).

Red flag around rock on % is
good photograph local.

Aug 1/84: Similar to 5098. Greenish matrix
with cherty and QFP frags. (clasts).

5084-5102 (1 H.S., Litho)

1510m

% of what looks like medium to
fine grained diorite that has
fine dark mafics (!) set in a greenish
groundmass. Maybe a mafic volcanic
but diff to tell.

BCS-2100 (2 H.S., Geochem for)
at Cu, Zn, Pb, Ag, Au

Rock appears to be highly
sheared diorite that becomes
increasingly pyritic with increasing
shearing.

Rock are very rusty.

✓ 024 / 62 SE

Aug 25/84: 7500 ppm Cu, 430 ppm Zn,
66 ppm Pb, 210 ppb Au, 6700 ppb Ag.

start new book.

BCS-2151 (3 H.S., WR)

1666 m

% of mafic volcanic (H.S.) with
calcite veinlets // to each other.
Locally contains 2% diss. Pyrite
cubes. Interbedded with fragmental
rock (not able to tell attitude of the
bedding) which is locally siliceous
and contains small chert frogs
(?). Also some rx here that
looks like BCS-2099 from July 16.

WR sample is of massive mafic
volcanic containing diss. py.
and chlorite

Aug 25/84: Altered mafic volcanic

H.S.-17 (1 H.S.)

Massive mafic volcanic with quartz (+ minor carb.) veinlets. Abundant diss. pyrite cubes nearby.

SC84-5103 (Litho)

white to grey colour chert (poss. rhyolite).

H.S.-18 altered diorite?

SC84-5104 (1 H.S., 1 litho)

Similar to H.S.-18; Vague intrusive texture but matrix seems a bleached-green colour and mafics appear to be altered to

July 18, 1984

K. Heather
M. Corrigan

Traverse from Sprague Creek Road
across to East boundary of
Anna claims and back to
turn off up Sprague Creek.

[SC84-5105] (1 H.S., Litho)

Altered diorite (?). Can
see epidotized hornblende phenos.
Rock has a vague igneous texture.
Abundant Fe-carb. diss. alteration.
Small %, no foliation, no internal
structures visible.

Aug. 1/84: (?)

[SC84-5106] (1 H.S., Litho)

Highly altered rx. Don't know
exactly what to call it.
Poss. a tuff (?). Locally
see what looks like argillite
as stockwork similar to
Johnson pyroclastics. The

to ffaceous part has diss. py and
Fe-carb.

Aug 1/84 Most likely a coarse sediment that
contains reworked felsic volcanic. (ie qtz eyes
are present).

SC84-5107 (1 H.S., litho)

Rx maybe a diorite or a coarse
mafic volcanic(??). Matrix is

Calcareous.

Aug 1/84. Mafic vol. based on similarity to those mapped to
the north by WJS (July 18). Still awaiting geochem!

SC84-5108 (1 H.S., litho)

↗ (↘) 340/56 NE

Sediments both fragmental
and non. Also Jasper rich
chert and Fe rich sediment.

Not really all that siliceous. Iron-rich sediments
(poss. volcanics?). (see red below)

BCS-2152 (1 H.S., NR)

NEXT TO SC84-5108

Aug 25, 84: 88% SiO₂; 2.4% Fe₂O₃
7000 ppm Ba

July 19, 1984

K. Heather
(sob).

Overcast - high cloud. Still warm though. Traverse from knob of rhyolite and rhyolite flow bx in northern SC claims. Purpose is to get a feel for extent (and location) of the felsic volcanics and their vent area.

Traverse through cut area containing rhyolite flow bx, turned up no more %.

Roads to the north (cut area) were also checked out for %. Not the main road that M. Burson sampled.

SC84-707A (^{CUT} 2 H.S., litho)

Small % of what looks like lapilli sized fragments in a rhyolitic matrix. Flow bx similar to that observed at

SC84-5086

Roll #2 - Photographs

- ① picture of me in bush
- ② picture of mike w/ mozzzy bag and filter on.
- ③ Photo at SC84-707 of
epilitrogs in rhyolitic matrix.
- ③ Contact between rhyolite & Toff
and argillite
- ④ grey cloud and forest in
foreground.

% on road is not station # SC84-5109 (in bush) but the foliation in the argillite and the contact between the argillite and the rhyolite (QFP) are ~ //.

7 340/60 NE

% in bush located 40m at 56°.

July 20, 1984

Day Off.

July 21, 1984

K. Heather

M. Corrigan

T. McCrae

VLF survey in dighem survey in
Wikip Creek area. Pot in base
line and lines 6+00N and 7+00N.

July 22, 1984

K. Heather

M. Corrigan

T. McCrae

Continuation of VLF survey and
completion of lines 3+00N, 4+00N
and 5+00N.

Photos

⑥ Barriere Lake

⑦ Barriere Lake

July 23, 1984

K. Heather
T. McCrae

Sunny; traverse in north part
of SC claims (2:3).

BCS-2153

(1 cut)
(2 H.S., WR).

QFP with grey groundmass
and tabular feldspar phenocrysts
and small quartz eyes. Rocks groundmass
is very siliceous. Locally there are
flows(?) of more massive rhyolite.

✓ 016/85 SE

✗ 030/75 NW

Aug 1/84 Get Thin-section made to
see what black matrix is
comprised of(?).

BCS-2154

(1 H.S., WR)

QFP(?). Appears to be a
silicified version of BCS-2153.

There are feldspar and qtz phenos
but they aren't as obvious
as those in the 2153 case.

SC84-7076 (None, Litho)

Grey groundmass QFP. Not
as coarse grained as BCS-2153. May
be silica fed slightly.

SC84-7077 (None, Litho)

Siliceous QFP. Feldspar phenos
not as obvious as before (BCS-2153).
Whitish colour suggests it is
rhyolitic.

Similar to BCS-2155.

② } Pictures looking out over
② } valley (and with Tim McGraw
in it).

BCS-2155

(2 H.S., WR + Geochem)
for Au

Strong stockwork of quartz
± pyrite veinlets at random
orientations. Also strong
silicification of the QFP
and associated abundant
disseminated pyrite.

Quartz-eyes are still visible through
the silicification.

% extends up to 1575m. elev.

Abundant hematite-jarosite
on weathered surfaces. Rx is
usually a bleached white.

Aug 1/24 Get thin-section to see
what it is comprised of.

SC84-7078

(Name, Litho)

Top of large cliff.

Strongly silicified and pyritic
QFP. Quartz veins are
numerous but diss. pyrite
is weaker than is SC5-2155.

There are more large milky
but quartz veins as well.

Bearing of 180° to Fire tower