

MSV FIELD NOTES

JULY 22 / 84

BAR &

~~TO~~

SE CLAIM

JULY 31 / 84

824197

JULY 22, 1984

BAR CLAIMS

A O/C ALONG ROAD WEST OF WENDY'S
OUTCROP WITH MIKE B.

MYSTERY ROCK: EITHER IMMATURE SCUMMENT
OR FLOW.

COLOR IS LT. GRAY WITH ~10%

ORANGE CARBONATE (1-2mm), ALSO
LARGER WHITE CARBONATE CRYSTALS
(^{upto} 1cm).

SUBROUNDED QZ CRYSTALS
(1-5mm) — CLASTS OR PHENOS?

LARGE CLASTS (?) (ALTERATION?) OF
DK GRAY, SOFT, VERY ANGULAR,
V.F.G. MATERIAL.

4% PY, ASS. W CARBONATE.

WEATHERED SFC. SHOWS SUBANGULAR
VUGS (POSSIBLY WEATHERED CARBONATE)
AND SUBANG. ^{WHITE} CRYSTALS THAT MAY
BE FELDSPAR. (HIGH % T/O O/C)
(MIKE'S @ ^{BCS} 2177)

^{BCS}
2178

- O/C IS AROUND CURVE IN
ROAD ON SW SIDE, N 300 M
FROM CURVE.

ROCK IS FISSILE, ^{ALMOST PHYLLITIC} DK GRAY

WITH SLIGHT GREEN TINT, FINE GRAINED.

MUCH MICA ALONG CL PL GIVES SHEEN TO ROCK, ALSO HAS GOLDEN MICAS ALONG SOME CL PL. AS IN PREVIOUS O/C.

PERVASIVE CC - (VEINS AND SMALL CRYSTALS T/O ROCK, ALSO FG ALONG CL PL)

MOST LIKELY A PHYLLITE, TOO MICACEOUS AND FISSILE FOR VOLC., NO EVIDENCE OF FLOW OR PYROCLASTIC FRAGMENTS.

BCS
2179 BANDED IRON (MAGNETITE) WITHIN (~15%⁺ OVERALL) INTERMEDIATE TO FELSIC VOLCANIC (?). IN PLACES THE MAGNETITE MAKES UP UP TO 50% OF O/C.

MAGNETITE NOT ALWAYS BEDDED; SEEMS TO BE ASSOCIATED WITH QTZ-CARB VEHNS, ALSO DISSEMINATED T/O ROCK OR WISPS T/O, AND POSS.

HOST ROCK IS LIGHT GRAY, FAIRLY SILICEOUS (BUT STILL SOFT

IN PLACES - LATER ALTERATION?)

SOMEWHAT FOLIATED.

PATCHES (VEINS?) OF CHLORITE

CONCORDANT WITH FOLIATION. ^{ALSO CRYSTALS} IN Q-C VEINS

NOTRAVE - WISPS SOMETIMES CROSSCUT EACH OTHER

→ WISPS OF MAGNETITE ARE

ALSO CONCORDANT WITH \vec{L} .

TRACE PY ASS. \vec{w} VEINS, IN

ONE PLACE CUBES UP TO 4MM.

ARE QZ-CARB VEINS RESPONSIBLE

FOR MAG, OR DID THEY COME IN

LATER INTO A FOLDED SEQ.?

UNHOMOGENEOUS
SAMPLE #

6092

\vec{L} : 135/60° NE

FAIRLY

WELL-FOLIATED BASALT LAPILLI TUFF.

FRAGMENTS ARE ~1-2cm, SOMEWHAT

EYE-SHAPED IN PLACES, SLIGHTLY DARKER

THAN MATRIX, MORE CL THAN MATRIX.

SOME MAGNETITE T/O O/R,

ASSOCIATED WITH QZ-CC VEINS;

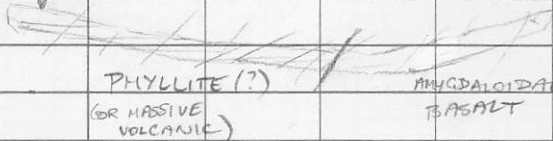
OCCURS POD-LIKE AND ALONG

CL PL.

6093

FACING ROUGHLY SOUTH:

+60940/c ALONG ROAD



PHYLLITE IS SAME ROCK AS AT
2178; DK GRAY WITH GOLDEN MICAS ALONG
CL PL; FISSILE; TRACE MAG, ESP.
ALONG CL PL; SOME CC T/O.

BASALT IS AMYGDALOIDAL (SOME
CC FILLED, SOME Qtz); AMYGDULES
SMALLER AT CONTACT WITH PHYLLITE,
LARGER TO WEST. ALSO HAS SOME
MAG ALONG CL PL (VSN ASSOCIATED).
MUCH CC T/O ROCK - VEINS & CL PL
 $Z = 150^\circ / 47^\circ \text{NE}$ (PHYLL)

EVENING (JUL 22)

LOOK AT SAMPLES:

6010, 6011, 6012, 6013, 6020 ^{NO SAMPLE}

7001, 7002, 7003, 7004, 7005

5042, 5043, 5044, 5045, 5046 / 5047,

5048, 5049, 5050, 5051

5060, 5069, 5071, 5072, 5073

5040, 5041

6010: MD. GRAINED, LT. GRAY, RHY? GRIT? TC-SO₂?

ALONG CL PL (NOT WELL DEVELOPED ?)

SMALL BLACK QZ EYES; NO CL
(WENDY HAS THIS AS MAFIC FLOW)

6011: QZ PEB. CNGL; SUBANGULAR TO
SUBROUNDED ^{WHITE} QZ PEBBLES (AVE. 5cm)
(UP TO 1cm)

DK GRAY MATRIX, MD. GRAINED, ALSO
SMALL DIC QZ GRAINS

6012: MAFIC LAPILLI TUFF, RES. IN PLACES

6013: MAFIC LAPILLI TUFF, DIC FRAGS,
SOME GOLDEN MICA ON CL PL

JULY 23, 1984

BIAR CLAIMS

HOT, SUNNY

MIKE C. PARTNER

DRIVING UP—CHAINED FROM DIXON CREEK (JUST PAST TURNOFF THAT LEADS TO DIXON LAKE) TO FIRST CREEK. FIRST CREEK IS AT 2025M, SECOND CREEK AT 2312M.

WENT BACK TO FIRST CREEK, 103M. BEYOND, BACK TOWARD DIXON CR.

BEGIN TRAVERSE AT 264° UP RIDGE, HOPE TO ENCOUNTER CLAIM POST. (N430m.)

LITHO
A5109 178 meters FROM ROAD
AT 264° \rightarrow BUT PROBABLY CLOSE TO OR 2×2 m.
FLOAT ($\frac{1}{2}$: $\sim 60^{\circ}$, WAY OUT FROM USUAL FOLIATION).

WHITE TO PALE GREEN TALC-SERICITE SCHIST.

CARBONATE IS PERVASIVE —
VEINS, PODS, E.C. ALONG CL PL,

ALSO LITTLE ROUNDED CRYSTALS
THAT LOOK LIKE QZ EYES
BUT ARE CC.



< 1% PY TO ROCK, ASS. W
CC VEINS (HIGHER % AROUND
VEINS), QZ VEINS ARE PRESENT
BUT NOT ASS. W PY. SOME ^{ORANGE} STAIN

APPEARS SIMILAR TO ALTERED
MAFIC NEAR TRENCHES (SAND
PYROCLASTICS).

5109A

A 239M. (LARGE BOULDER)

ANOTHER BOULDER OF FLOAT
OF SIMILAR ROCK TO PREVIOUS FLOAT.
MUCH MORE CARBONATE AND
IRON STAIN (Fe-C?), ALSO MORE
CHLORITE (PATCHY).

ALL FLOAT UPMILL IS SIMILAR
UNTIL ~330M, THEN HIT ONE
VERY SMALL BOULDER OF LG
LT. GREEN UNALTERED (BY COMPARISON)
MAFIC(?)

PICK UP MORE SERICITIC FLOAT,
THEN COME TO S/C (ALMOST O/C)
ALONG SMALL BENCH IN OTHERWISE
STEEP SLOPE, AT N395M.

BCS 2143 ~395M

NOT O/C, BUT CLOSE. (LOTS OF ^{FLAT} BOULDERS
ALONG HILLSIDE)

ROCK IS ALMOST HOMOGENEOUS
T/O — PALE GREEN, FINE GRAINED,
PROBABLY ALTERED MAFIC. EXPOSURE
IS VERY POOR, CAN'T SEE TEXTURES.
SIMILAR TO S109 BUT NOT AS
SCHISTOSE AND FRIABLE.

ROCK APPEARS PALER ^{-YELLOWISH} NEAR
QTZ-CC VEINS, MORE CHLORITIC
AWAY.

MUCH CL; VEINS, PODS, FC AROUND
CL PL.

MINOR PY T/O, ESP. NEAR VEINS.

2143A
LARGE BOULDER TO NORTH (~20M)
ROCK IS DARKER GREEN AND IN
PLACES CONTAINS ELONGATE
LENSES (~.5-1cm) OF SOFT, PALE

YELLOWISH-GREEN MATERIAL
(MAGNESITE?). QZ-CC VEINS.

BCS 2144 $Z: 128^{\circ}/43^{\circ} NE$

MID. GREEN TO DK. GREEN,
POSSIBLY O/C.

WHERE ROCK IS PALE GREEN,
IT IS FG, HAS SMALL OR
VOIDS AS WELL AS VEINS, TR PY,
POSSIBLY SMALL DK PYRO FRAGS.

UP ABOVE IN ONE(?) THE ROCK
BECOMES MORE CHL-RICH, MORE
FISSILE, AND HAS ROWS OF
ELONGATE FRAGMENTS(?) OF SOFT,
WHITE, NON-FIZZY MATERIAL.

WHITE FRAGS(?) \rightarrow  MORE CHL-RICH

MED. GREEN

IAN FIGURES THESE MAY BE
VARIABLES.

BCS 2145: REAL OUTCROP AT LAST!

LT. GREENISH GRAY WITH ORANGE
(Fe-C?) CRYSTALS T/O. MUCH
QTZ. VEINING AND POSSIBLY ^{TINY} QTZ
EYES T/O. < 1% PY, DISS.
CUBES, SOME CC PRESENT.

PROBABLY A FINE PYROCLASTIC,
AN ASH TUFF, INTERMEDIATE
COMP.

FOLIATED BUT BLOCKY, HARD
TO BREAK IN PLACES.

SMALL RIDGE CONTINUES AT
N 324°, FLOAT AT ~205M. FROM
CHANGE IN PATH OF TRAVERSE
IS SIMILAR TO BCS 2143, PALE
GREENISH-ORANGE, PYRITIC, CC,
NOT WELL FOLIATED, QUITE
FEATURELESS.

AT 235M. FLOAT IS ^{VERY} PALE
GREEN W/ DK CHLORITIC
SPOTS THAT MAY BE TRAILS

AT 250M. ^{GREEN} PLANT IS TLV S/C
SCHIST, VERY FRAGILE, MUCH Fe-stain

AT 300M. (SAMPLE 300M)
SAME AS LAST O/C, LT. GREENISH-
GRAY, ORANGE CRYSTALS (Fe-C),
INTERMEDIATE PYROCLASTIC.

AT 085M ~~PAST~~ SECOND
CHANGE IN COURSE S/C OF
SAME PALE GREEN, FOLIATED
TUFF(?) w/ ORANGE CARB XTALS.

AT 107M STILL PALE GREEN
^{TO SLIGHT ORANGE}
S/C WITH WHITE OVOIDS (N.5-1cm)
THAT ARE FILLED WITH CC; NOT
T/O ROCK, JUST IN PLACES.

INTERSECT CLAIM LINE AT 130M

AT 130M. R/C IS dk. GREEN
(CHLORITIC) w/ WHITE OVOIDS (DON'T
FIT)

AT 244 M. GOOD S/C, SIMILAR
TO FIRST S/C OF DAY.

VERY SCHISTOSE, TALCY,
SERICITIC, CHLORITIC IN
SPOTS. MUCH CC VEINS & CL PL.

BOULDERS & FLOAT ON WAY
DOWN ARE TL. ^{CHL.-SER.} SCHIST WITH CC
VEINS.

ROAD IS AT 345 M., RIGHT
ON ACCORDING TO PLANNED
TRAVERSE.

~~919 M~~

JULY 24, 1984

HOT

MIKE C. PARTNER

TRAVERSE: TOP OF ROAD IN
CLEARCUT - 326° BEARING
TO WENDY'S O/C

420 m at 326°

25 m at 360°

ENCOUNTERED FIRST "BLEACHED"

O/C HERE. SAME ROCK AS SAMPLE
1509 (JULY 23), POSSIBLY ^{SLIGHTLY} MORE

ALTERED, LESS MAFIC MINERALS LEFT.

M1 UNALTERED ROCK IS DEFINITELY

MAFIC, DK GREEN, POSSIBLY
TUFACEOUS IN PLACES. WENDY

CALLED IT A TUFF, POSSIBLY ON
LATER EVIDENCE FROM CUT

FACE. IN PLACES THE ROCK IS

SAME AS AT 107 M. (JULY 23) WITH

WHITE OVOIDS, HERE UP TO 3 cm

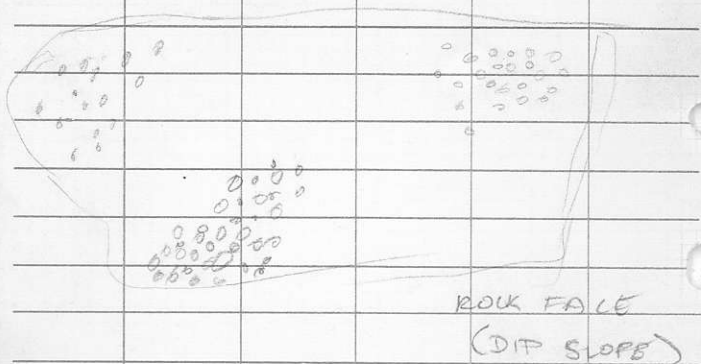
in places (AVE. 5-1 cm), CC

FILLED AMYGDOLES(?).

AMYGDOLES OCCUR IN PATCHES

AND DO NOT OCCUR TO O/C.

← 2m →



Z: $131^{\circ}/40^{\circ}$ NE

ALTERED

ROCK IS ALSO SIMILAR IN PLACES
TO BCS 2143, ALSO POSSIBLY 2145,
BECAUSE O/C HERE HAS A
FAIR AMOUNT OF ORANGE SPOTS
(Fe-C).

M2

△ 389 M AT 270° FROM PREVIOUS
O/C. SMALL EXPOSURE ALONG ROAD.

O/C IS MD GREEN MAFIC VOLCANIC.
SMALL (1-2mm) DARKER PATCHES MAY
BE PYROCLASTIC FRAGMENTS (~2% of
rock)

OR PC PATCHES.

ENTIRE O/C IS EMOT THROUGH
WITH CC VEINS, PERVASIVE CC. VERY
LITTLE ORANGE STAIN ALONG CL FL,
NO VIS. PY.

WEATHERING PATTERN IS SOMEWHAT
STRANGE DUE TO WEATH. OF CC.

ALSO TINY OVOID WEATH. PITS (FROM
WEATH. OF FRAGS OR CC LENSES?).

↑

△ AT 410M THE ROCK IS SIMILAR,
BUT NO CC VEINS (PERVASIVE CC
THOUGH), DEFINITELY PYROCLASTIC
(1mm ave.) (DK. FRAGS IN LT. MATRIX),
PYRITE CUBES IN PLACES.

CROSS TOPOPHIL NEAR O/C.
ONE STRING COMES OUT OF BUSH
AT 025° ^{OR NORTH} THEN RETIRED AND
HEADS INTO BUSH AT 270° .

S110 · DK ^{854M} GREEN FINE GRAINED
MAGIC V. (POSSIBLY SED??)
HAS SAME STRANGE OVOIDS

(UP TO ~3cm), ALSO SMALL (.5mm to 1mm)
WHITE FRAGMENTS, ALL MOSTLY
CC. SMALL % VEINS OCCUR TO
O/C. APPEAR TO BE SAME
MATERIAL AS OVOIDS (AMYGS?).

NO PARTICULAR PATTERN
TO THEIR DISTRIBUTION, NO
PILLOWS VISIBLE IN O/C; ROCK
IS FOLIATED BUT NOT FISSILE,
QUITE BLOCKY.

EXPOSURE IS QUITE LARGE,
(5x2m)



ON WEATH. SFC APPEARS TO
BE FR PYROCLASTIC. (DOESN'T REALLY
MAKE SENSE WITH AMYGS)

$Z: 119^\circ / 46^\circ \text{NE}$ (POOR)

(RIDGE TRENDS $\sim 110^\circ$)

ST10A 893M

SMALL O/C ALONG SLOPE.

LOOKS LIKE MAFIC LAPILLI TUFF.

MATRIX IS FG, DK GREEN, FOLIATED;
FRAGMENTS ARE WHITE, PIE-SHAPED,
POSSIBLY SCORIAEUS, NO CC,
(SOME OF THE SMALLER ONES ARE CC)
RANGE FROM 1mm TO 2cm, LARGER
FRAGS OCCUR IN A BAND.

O/C ALSO CONTAINS
SEVERAL BANDS OF MAGNETITE
(1-2cm thick), SOME EXTEND FOR
A DISTANCE, SOME PINCH OUT. NOT
ASS. W VEINS.

MINOR ~~OF~~[?] CC VEINING.

FE-STAIN ALONG CL PL.

FRAGS APPEAR SIMILAR TO
ONES IN AGGLOMERATES AT REA.

S1103 (TD → DK GRAY SILTY SST S/C
VERY SMALL (2x.5cm) S/C OF BLOCKY
MED. GRAY SILTY SST. FURTHER
AWAY IT'S BETTER FOLIATED AND
MORE ARGILLACEOUS. (DARKER)

FE-CARB VEINS + CRYSTALS
THO BUT NOT TOO ABUNDANT.

MATRIX IS FG, DK GREEN, FOLIATED;
FRAGMENTS ARE WHITE, EYE-SHAPED,
POSSIBLY SCORIAEUS, NO CC,
(SOME OF THE SMALLER ONES ARE CC)
RANGE FROM 1mm TO 2cm, LARGER
FRAGS OCCUR IN A BAND.

O/C ALSO CONTAINS
SEVERAL BANDS OF MAGNETITE
(1-2cm thick), SOME EXTEND FOR
A DISTANCE, SOME PINCH OUT. NOT
ASS. W VEINS.

MINOR ~~OF~~[?] CC VEINING.

FE-STAIN ALONG CL PL.

FRAGS APPEAR SIMILAR TO
ONES IN AGGLOMERATES AT REA.

S1103 (TD → DK GRAY SILTY SST S/C

VERY SMALL (2x.5cm) S/C OF BLOCKY

MED. GRAY SILTY SST. FURTHER

AWAY IT'S BETTER FOLIATED AND

MORE ARGILLACEOUS. (DARKER)

FE-CARB VEINS & CRYSTALS

THO BUT NOT TOO ABUNDANT.

BCS 2146 EXCELLENT EXPOSURE
ALONG KNOB OF HILL AT 1030M.
AT BASE OF O/C IS A LIGHT
GREEN PHYLLITIC MUDSTONE AT
LEAST 1M THICK.

ABOVE IT IS A CHERT (LT. GRAY
GREEN, ALMOST 100% SILICA) BED
N. 5M THICK. CHERT HAS BANDING
IN IT THAT IS QUITE CONTORTED
IN PLACES, CONTAINS SOME THIN
MUDDY BANDS, ALSO IRON CRAB
CRYSTALS T/O.

ABOVE CHERT IS FINE GRAINED
GREEN MUDDY TUFF?? HARD TO TELL
IF SED. OR VOLC. (THIN)

→ MOST OF O/C THEN OVERLIES
THIS SEQUENCE. → ^{MAFIC} LAPILLI TUFF.

CONTAINS ^{70-80%} WHITE FRAGS THAT
MAY HAVE BEEN FELDSPARS, IN
PLACES LOOK LIKE SHARDS, 1-2%
DK GREEN CHLORITIC FRAGS, ALSO
QZ IN PLACES.

LARGE ^{.5cm} PY CUBES IN PLACES,
NOT ABUNDANT. MATRIX IS CHLORITIC.
CC T/O.

CONTACT BETWEEN CHEST & ABOVE UNIT
IS N160°/66° NE.

O/C IS ABOUT 30⁴⁰ x 10m,
FORMS SMALL CLIFF.

CHANGE COURSE TO 180°

O/C AT 60M - SAME AS ABOVE (TUFF)

CHANGE COURSE TO 102°

AT 760M IN SHITTY BUSH IN
CLEARCUT IS S/E OF SOMEWHAT
BLEACHED + ALTERED MAFIC
TUFF (?)
WITH Q-CC VEINS, PY, SERICITE,
VERY RUSTY TIO.

O/C AT ROAD [919M]

[511] TALE GREEN ALTERED MAFIC,
PROBABLY FINE PYROCLASTIC, MUCH
CC VEINS AND LITTLE EYES.



SOMEWHAT TALCY, SERICITIC,
DK CHLORITE SPOTS (N. 5mm - 1mm)
WERE PROBABLY FRAGS. WEATH.

SEC. WHERE CC HAS WITH. OUT
LOOKS VERY VESICULAR, SO
POSSIBLY A VESICULAR FLOW.
(OCCUR IN BANDS)

Fe-C. T/O., Q²-CC VEINS TO
TR. PY IN Q-SER VEIN.

Z: 135°/50° NE (POSS. SLUMPED)

TRUCK AT 1225 M ANONIC ROAD.

JULY 25, 1984

BAR CLAIMS

HOT, SUNNY

MIKE C. PARTNER

CHAINED 500 M. FROM DIXON
CREEK ALONG ROAD. TRAVERSE
AT 045°.

Δ 434 M. AT 045° FROM ROAD
PILE OF BOULDERS THAT CAME
FROM NOT TOO FAR UPHILL.

MG DIORITE. CRYSTAL SIZE IS
APPROX. 2MM. ALL MAFICS ARE
TOTALLY CHLORITIZED, FELDSPARS
ARE ALTERED AS WELL. TRACE PY.

MUCH TALUS ALONG SLOPE. ALL FG
DK GRAY TO BLACK DIORITE. LOOKS QUITE
DIFFERENT FROM 1st STOP —

MUCH FINER GRAINED, ^{MUCH} LESS CHLORITIZED.

PILE OF BOULDERS AT 519 M ALL
FG DIORITE.

Δ 567 M POSSIBLE o/c

FG ⇒ MG DIOR. COARSER THAN

PREVIOUS TALUS, BUT FINER & LESS
ALTERED THAN 1st STOP. PYRITE
CUBES AS WELL AS Fe-C XALS
IN PLACES. Qtz VEINING TO.

WHOLE SLOPE IS COVERED WITH
TALUS. AT 603M BOULDERS EVERYWHERE,
DIORITE HAS NICE UNALTERED
FeD SPARS (AVE. 2mm, ALSO LARGER, ALMOST
PHENOS), CARLSBAD TWINNING VISIBLE,

AT 635M
JAGGED UPSLOPE (315°) FOR 35M,
THEN BACK TO 225°. AT 44M PAST
2nd JAG TALUS IS QUITE CG
AGAIN, SIMILAR TO 1st STOP.

ANOTHER JAG AT 100M. 30M
AT 315°, THEN BACK TO 225°.

▲ AT BEGINNING OF THIS LEG
OIC (?) OF FG → MG DIORITE.
MAFICS ARE CHLORITIZED BUT
SOME FS HAS SURVIVED.

VERY BLOCKY WEATHERING

(FRACTURES?), WILL BE EASY TO
TELL WHEN BACK IN VOLCANICS.

AT 86 M. LOSE TACUS HEAPS.
FEW PIECES OF FLOAT ARE STILL
FA DIOR.

AT 97 M. FLOAT IS VOLC.,
AMYGDALOIDAL.

S112

A 150 M. O/C THAT FORMS
RIDGE, RIDGE TRENDS $\sim 140^\circ$
VOLCANIC, EITHER FLOW OR PYROCLASTIC,
DIFFICULT TO TELL BECAUSE OF
INTENSE CC VEINING AND LENSES.
ON WEATH. SEC. IT IS PITTED, LOOKS
LIKE PYRO IN PLACES.

IN ONE PLACE IN O/C THERE
IS A BED $\sim .5$ M THAT IS LT.
GREEN WITH WHITE STREAKS (NOT
CC) AND CONTAINS ELONGATE
LENSES OF ARGILLITE(?) — POSSIBLY
AN INTERFLOW SED.

IN VOLC. CC IS PERVASIVE,
VERY INTENSE VEINING.

⇒ MAGNETITE LENSES + DISS IN PLACES.

Σ : 136°/72° NE

TBC

A 243M. (SAMPLE M3)

WTH. SFL. LOOKS LIKE FL.

PYROCLASTIC, POSSIBLY CRYSTAL
TUFF. NOT VERY ALTERED, FERDSPAR
LATHS FLASH IN SUNLIGHT.

FINE GRAINED INEUSIVE??

BLOCKY WEATHERING, NOT
FOLIATED.

NO RECOGNIZABLE PILLOWS,

AT 280M. VARIOLITIC PILLOWS
RECOGNIZABLE IN LARGE BOULDER
OF FLOAT.

TBC

A 555M. (SAMPLE M4)

WTH. SFL. LOOKS LIKE ^{FR} PYROCLASTIC.

(BUT MAY BE FC INTR)

LT. GRAYISH GREEN, PERVASIVE OC,
SMALL (<1mm) WHITE FRAGS T/O,
RARE LARGER (3mm) CHLORITIZED
FRAGS.

BLOCKY RATHER THAN FOLIATED.

ON LEG BACK TO TRUCK:

BCS 2147

642M.

VERY LARGE O/C, HOMOGENEOUS.
DK GRAY CHERTY ARGILLITE.

VFG, APPEARS CHERTY ON
WTM. SFC. BUT DOES SCRATCH.

PL. SFC. PHYLLITIC, NOT WELL
FOLIATED.

JULY 29, 1984

SC CLAIMS

TIMBITS PARTNER.

CHAINED FROM TRIBUTARY TO
SPRAGUE CREEK ALONG ROAD —
50 M. THEN DUE SOUTH FOR
100 M.

SMALL O/C AT 50M, PREVIOUSLY
MAPPED (QFP - FAIRLY FRESH).
ENCOUNTER LARGE O/C AT 80M,
ALSO PREVIOUSLY MAPPED (QFP).
DK. GRAY FG MATRIX, LARGE FRESH
FS XTALS (1 cm), NO ALBITE
TWINS VISIBLE. SMALL QTZ EYES
(2-3 mm).

△ O/C AT 60M TOWARDS CREEK

QFP - WELL DEVELOPED FELDSPAR
LATHS (~15%) AND ROUNDED
QTZ EYES (<5%). ^{MD} DK GRAY MATRIX,
FG. SLIGHTLY BLEACHED IN
PLACES, PROBABLY WITH EFFECT
NEAR JOINTS. SOME FO-STAIN.

DOWN CREEK 50 M, EACH WENT 50 M.
TO SIDE — NO O/C, DOWN ANOTHER
50 M, SAMPLE FLAG AT STREAM —
MB 331/55.

BCS 2148 ~170 M DOWN STREAM,
30 M. TO NE. VERY LARGE O/C. (~40x20 cm)
ON WTM. SFC. APPEARS PYROCLASTIC
CONTAINS QTZ EYES, WTM. FS XTALS,
ALSO LARGER FRAGS (LAPILLI — ~.5 cm — .5 cm)
LOOKS ALMOST LIKE CHERT BRX/CNGL
BUT FRAGS HAVE QTZ EYES. (ALSO FS XTALS)
NOT AS MANY FS PHENOS AS
PREVIOUS QFF.

IN PLACES APPEARS ALMOST
FLOW BANDED (OR MAY BE DEFORMATION
EFFECT) — FS PHENOS APPEAR
ORIENTED IN ONE DIRECTION.

APPEARS SOMEWHAT BLEACHED
IN PLACES (CLAY), PROBABLY WTM. EFFECT.
TRACE PY IN PLACES.

Z: (or flow banding ??) : 121 / 62° NE

WEATHERED SFC. IS BUMPY & ROUGH, FRAGS
AND PHENOS STAND OUT EASILY.

CUT SAMPLE 2148:

- lapilli size frags visible, some frags show flow banding
- other sample is flow banded

TOWARDS BASE OF O/C HILT
MASSIVE QFP, THEN MORE FOLIATED/
FLOW BANDED PYROCLASTIC(?)

2148A

QFP ALONG CREEK BANK TO N200M.

DOES NOT APPEAR PYROCLASTIC.

BLACK VFA

ARGILLITE AT N200M, THEN MORE

QFP. ARG O/C ACROSS STREAM IS

AT N170° FROM ARG ON EAST SIDE.

(TRACE PY)

UPSTREAM FROM ARG IS BLACK

QFP (ON W. SIDE OF STREAM)

DOWNSTREAM FROM ARG ON

EAST SIDE IS WHAT APPEARS

TO BE QFP WITH DK MATRIX,

BUT MATRIX SEEMS TO BE ARG.

(AT 218M.)

EAST SIDE:

① large QFP o/c (pale gray)

② black argillite

③ argillite with feldspar crystals,
volcanic activity indicated

→ DEFINITE FLOW BANDING IN
ONE SPECIMEN

- ④ black argillite with white cherty bands - wavy & contorted indicating either tectonic activity or possibly slumping during consolidation
- ⑤ interbedded(?) QFP and black chert, possibly crystalline & non-crystalline flows

WEST SIDE:

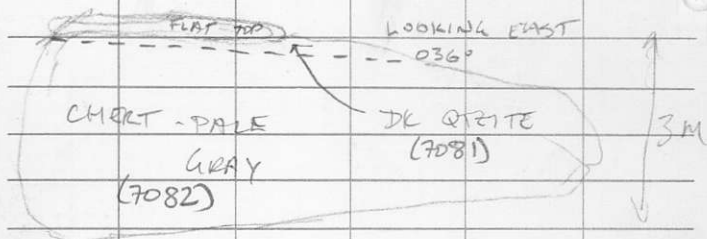
- ① pale QFP
- ② dark gray-black QFP
- ③ black arg
- ④ to SW of ③ is arg w/ fs crystals, QFP to west
- ⑤ large o/c lt. gray QFP

JULY 30, 1984

SC CLAIMS

NOT, TIM BITS PARTNER

△ 7081 ^{QZITE} 7082 - CHERT
CHAINED FROM INTERSECTION
OF SPRAGUE CREEK AND ROAD
AT 040° — O/C AT 64 M.
(20 m @ 136° FROM 64), O/C FORMS
SMALL CHIFF ALONG CREEK
THAT IS NOT ON MAP.



CHERT IS PALE GRAY (SOMEWHAT GREENISH).
VERY SILICEOUS, NO QZ EYES VISIBLE IN
O/C. RUSTY VEINLETS, TRACE DISS PY.
POSSIBLY EXTREMELY FG RMY, BUT DOUBTFUL.
HAS PALE BLEACHED WITH SFC IN
PLACES, ALSO PALE GREEN.
QZITE IS MED GRAY, ^{+PURPLE (HEM)} CONTAINS SMALL
QZ GRAINS AND TRACE DSS PY.
ALSO CONTAINS CHERT CLUSTERS (~2.5 cm,
SUBROUNDED, ALSO FLAT CHIPS),
BLEACHED WITH SFC.

CONTACT TRENDS ROUGHLY 036° ,
DIDN'T PICK OUT ACTUAL CONTACT,
JUST ROUGHLY WHERE ROCK
TYPE CHANGES. NO BEDDING VISIBLE,
LITTLE FOLIATION, BLOCKY WEATHERING
AND FRACTURING.

CHERT IS FRACTURED TO SMALL CHIPS
IN PLACES.

CROSS STREAM AT 75 m.
" ROAD AT 92 m,
TRENDS 162° .

BACK TO ROAD AT 180° ,
CROSS STREAM AT 142 m
" ROAD AT 155.5 m.
(ROAD IS PLOTTED WRONG)

HIT SPRAGUE CREEK AT 240 m,
ALMOST RIGHT ON.

7083 O/C OR LARGE BLDS NOT
FAR FROM SOURCE AT 270 m.

MD. GRAY STROSE SST, EASILY

SCRATCHED BY KNIFE (IMPURITIES).
TRACE DISS PY.

AT BASE WITH. SEC. IS RUSTY
& POWDERY.

NO MAG; CALC. CEMENT.

QZ GRAINS VISIBLE, ALSO
GREENISH PATCHES (SOME MAFIC
COMPONENT?)

BACK TO ROAD AT 015° , HIT
ROAD AT 117° (??) $\approx 15m$ FROM SHAL
ROAD, CHAINED ALONG ROAD FOR
200m TO O/C (PR. MAPPED), THEN
300m at 020° . BACK TO ROAD
AT 180° (NO O/C, NO POTENTIAL)
FROM ROAD (at 183M) CONTINUED
AT 180° .

7083A - at **546m**

FLOAT (OR SIC, NOT FAR FROM
SOURCE), FEW BLDS.

FA DIORITE, TRACE PY.

→ FROM HERE LARGE CLIFF
OF O/C IS VISIBLE, ABOUT
150-200m @ 081° . NO TIME TO MAP.

7083C 575 M.

CLIFF OF O/C ALONG RIVER.
CHERT ON TOP, LT. GRAY TO GREEN
SST, 7083A + B WERE ALSO THIS
ROCK, SO PROBABLY SED. DOES
NOT LOOK INTRUSIVE — BLOCKY
W/TH, JOINTED.

588M

7084 SAMPLE OF GREEN SST/
~~EG DIOR~~ RIGHT AT CREEK,
CHERT AT BASE (^{MS}7084A), STILL
PART OF ABOVE CLIFF. CAN'T PICK
OUT CONTACT BETWEEN BOTTOM
CHERT + SST/DIOR, MAY BE
INTRUSIVE.

JULY 31, 1984

BAR CLAIMS

(NEAR BOTTREZ CREEK)

CHAINED LINES IN MORNING,

MAPPED QUICKLY IN AFTERNOON.

MED → COARSE GRAINED SEDIMENT,

WHOLE KNDB IS SAME ROCK. FS

CRYSTALS / GRAINS, ROUNDED QZ.

CALCAREOUS MATRIX.

Fe-CARB IN PLACES.

WHITE CRYSTALS IN LT. GRAY FG

MATRIX.

MAP AS 6.9.