

840618

MT-20

M. THURCO.

JUNE 28/91

NORTH CREEK.

SUN-CLOUD

PURPOSE: TO SEE IF PROSPECT A SMALL
 EROD SOUTH FLOWING DRAINAGE INTO YETH CREEK,
 W OF NECKER CR. GOSSEND MATERIAL OF
 PROBABLE INCLIN SLOPE WILL BE PREPARED &
 SAMPLED.

AT SOIL SAMPLE 5611-204, SOIL TAKEN OVER
 PROBABLE U.M. → PERIDOTITE.

SMALL FAIRLY ROUNDED BOUNDER OF
 OR-CHALC FOUND NEAR 5611-208. ✓
 CHALC → MOSTLY SURROUNDED BY
 SERPENTINES → ALTH PERIDOTITES - UNITS?

MT11-118

CHIP SAMPLE.

M.G. WHITISH-RED SDST. ABUNDANT CLAYISH
 FP (FPTI?). HEMATITE ON FRACTURED & FRACTURED
 SURFACES. FRACTURING MODERATE. CONTAINS SMALL,
 THIN VEINETS OF A BLACK MATERIAL (?) POSSIBLY
 PY AROUND THIS STUFF. MINOR OR-CHALC
 CHALC ON FRAS. TALUS SAMPLE BELOW CLIFFS.

MT11-119

CHIP SAMPLE.

BIRX - CONTAINS ENTUSIUS, POSSIBLY IRON,
 OR-CHALC(?) FRAS. GROUND MASS IS OF DARK
 GREY - BLACK. SOME FRAS ARE HEMATITIZED.
 PROBABLY ✓ SILICEOUS ROCK. ALSO A
 FLOAT SAMPLE → ONE LARGE BOUNDER.

→ BOTH 118 & 119 CARVE FROM DECOMPOSED WELL FRACTURED,
 HEMATITE - SHAFT - SDST [INCLIN SLOPE] CLIFFS.

MTI-120

CHIP SAMPLE.

(Dike?)

OR-FP-IT - MOTTLED MED GRAY.
 HEMATITE ON WEATHERED SURFACE
 & FRACTURES. MAY CONTAIN V.F.S.
 DISSEM PY. CONTAINS TRACES OF
 EYES UP TO 2-3 MM LONG.
 TAKEN IN FLOAT BELOW CLIFF
 POSSIBLY ENTRADES "SDST" FOUND
 IN #118. THESE DYKES MAY BE
 GOOD "TRACERS" FOR SURROUNDING RK?
 POSSIBLE TRENDS OF DYKES NE
 COULD BE DIPPING SW?

POSSIBLE ATTITUDE OF INCLIN SEDS
 ON EAST SIDE OF STREAM 075/55SE
 LOOKING AT CLIFFS ON WEST SIDE
 APPEARS THAT SOME SEDS CONFORM
 TO EAST WHILE OTHERS DIP MORE
 WESTWARD,
 THE WHOLE CANYON AREA LIKELY
 MIXED-UP.

MTI-121

CHIP SAMPLE.

VI ALTERED OR-FP-IT. CLAY
 ALT. PY → HEMATITE. FLOAT SAMPLE
 BELOW CLIFFS - MOSTLY FROM WEST
 SIDE.

MTT1-122

CHIP SAMPLE

RYHOLITE T1 - BLOTTE DOCKS UP TO ~
1/4" WIDE - EUBEDRAL. QZ EVES ALSO
PRESENT UP TO ~ 1/8". COLOUR RANGES
FROM GRAY-GREEN TO PURPLE - VERY
MUCH LIKE SLOKD VOLS. FOLDS ARE
SEEM TO BE ATTRIBUTING TO CLAY.

TALUS SAMPLE BELOW CHIPS OF
MOSTLY MATERIAL LIKE UNIT - SDST?
#122 TAKEN - 50M DOWNSTREAM FROM
#121.

→ SOME HYDROTIC MATERIAL NO SULPHIDES
SEEN.

AT END OF CANYON CAME ACROSS A
COUPLE OF BOULDERS THAT MUST BE ✓
RECENT CONGLOMERATES. CONTAINS BOULDERS
✓ PEBBLES OF INTRUSIVE, ✓ INCLIN BEDS. THE
GROUND MASS IS NOT TOTALLY CONSOLIDATED
✓ IS ✓ CALCAREOUS. → POSSIBLY THIS IS FROM SOME
'MUD FLOW'?

SUMMARY

M. THICKE ✓ S. EOBRI? SPENT THE DAY
TRAVELING DOWN NORTH CREEK, IN BETWEEN
PERIDOTITE ✓ NICKEL CTS. IT DRAINS SOUTH
INTO YETH CREEK. THE PURPOSE WAS TO
PROTECT ✓ SAMPLE A GOSSANOUS AREA LARGELY
WITHIN THE INCLIN BEDS.

ROCKS AT THE BEGINNING OF THE TRAIL
WERE OLD SERPENTINIZED PERIDOTITE UP
DUNES. INCLIN BEGAN IN THE CANYON
OF NORTH CREEK, THE ~~THESE~~ WERE MOSTLY
SDST ✓ SANDY SHACKS. INCLIN BEDS WERE MOSTLY

FRAGMENTED, HEMATITIC, LOW CA & QZ
VEINED. FARTHER DOWN STREAM, NEAR
THE END OF THE CANYON, MORE LIMBY
LESS HEMATITIC DARKER SHADES BECOMES
MORE PROMINENT OFTEN SEEN WITH WIDE
COURSELY XCLINE CA VEINS. THE RX
DUBIOUSLY HARD SURFACED. QZ FP TT
DIVERS^W WERE SEEN IN FLOAT. THESE ARE
LIKELY DYKES INTRUDING INCLIN SCS.
17 SAMPLE OF FRESH TT & MORE
ALTERED TT WERE TAKEN (MTT1-100-
121 RESP). A TT RHYOLITE FROM THE
SLORE (?) WAS ALSO SAMPLED. IT
CONTAINED DIOPTASE, QZ & FP PHENOX. THE
RHYOLITE IS LIKELY RELATED TO THE
QZ-FP-TT (OCCURE). A BRGX WAS
FOUND THAT MAY BE YOUNGER THAN THE
QZ-FP-TT. IT CONTAINED FRAGS OF WHAT
COULD BE QZ-FP-TT - AT LEAST INTRUSIVE -
& ALSO APPEARED TO HAVE ~~FRAGS~~
RHYOL RRAN & MANY QZ FRAGS. THIS
FLOAT COULD INDICATE A BRGX PIPE NEARBY.
(MTT1-119). FLOAT OF THIS BRGX CAN BE
SEEN IN A FEW LOCATIONS ALONG THE
CREEK.

S. GORITE SOIL SAMPLED AT ~
EVERY 300M OR WHEN POSSIBLE. A
2 SILT SAMPLES WERE TAKEN - ONE ON
EAST SIDE & ONE ON WEST SIDE OF
NOSH-CK. RX → MTT1-118-122
SOLS - SOL7 - 204-208, 202, 212
SILTS - SIL7 - 209, 211.

CSL 6692 - CSW ATTITUDES (00/40 N)

WATER O

INTRUSIVE

LIMESTONE DOLOMITE

SILT X SOIL

ROCK

SHALE

CHERT

VOLCANIC

CONGLOMERATE

SANDSTONE SILTSTONE

DO NOT WRITE ON OTHER SIDE OR USE COLOURS

SPECIMEN SITE A, B, ...; DO NOT WRITE ON OTHER SIDE OR USE COLOURS

DO NOT FORGET CONTOURS, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, TRAILS, GOSSANS, OBSERVED GEOLOGY: DEFINED --- INFERRED --- ASSUMED.....

GEOCHEM: Cu Mo Pb Zn U W

ASSAY:

| | | | | |
|---------------------------------|--|-------------------|---|----------------|
| Project TELSEQUAIT | NTS 104 K | Scale 1" = 1/2 MI | Page of | Traverse MT-20 |
| Sampler M. FICKES S. GOSSETT | Location, Target (words) ~ 1 MILE WEST OF NICKEL CK FLOWING INTO YETH CK | photo no. 5616 | 030 | T 2430 |
| Date JUNE 28/81 | | | Sample Nos SGTI-204-213 MTTI-118-122 | Cert. Nos |



HEMATITIC INCLIN SEDS: ALSO II, BRECCIA, RHYOLITE FLOAT

O SOIL (SILT) SAMPLE

X ROCK CHIP



June 28/81

NOTH CREEK

MT-20
M. Thicke-

M. Thicke & S. Boertz spent the day traversing down NOTH CREEK, in between Peridotite & Nickel cr's. Noth Creek drains south into Yeth Creek. The purpose was to sample & prospect a gossanous area within Inclin sedcs.

Rock at the beginning of the traverse were old serpentized peridotites or dunites. Gossanous Inclin rocks began in the canyon of Noth Creek. They were mostly sandstones & sandy shales, moderately to well fractured, hematitic, ~~and~~ with minor calcite & quartz veining. Further down-stream near the end of the canyon, more limy, less hematitic darker shales outcrop. These often contain coarsely crystalline calcite veins up to a few inches in thickness. No definite sulphides were seen in Inclin sedcs. Quartz-feldspar porphyry were seen in float. These are likely dykes intruding the sedcs. A sample of fresh porphyry & altered porphyry was collected (MTI-100-121 respectively). Float of a porphyritic rhyolite was also sampled (MTI-122). It contains phenocrysts of biotite, ~~quartz & feldspar~~, quartz & feldspar (clay altered). The rhyolite is likely an older rock genetically related to the 93-fp- π intrusive (6r.S.C.). A breccia was found that is likely younger than the quartz-feldspar porphyry (diatremes). Contains fragments of rhyolite, 93-fp- π & also quartz. Matrix very dark - possibly indicating a more mud-like sedimentary breccia at some distance from the main pipe(?) (MTI-119).

S. Boertz soil sampled at about every 300m or when possible. Two silt samples were taken, one on an east drainage to Noth Creek, the other a west drainage.

Rocks: MTI-118-122

Soils: SMTI-204-208, 210, 212, 213

Silts - SMTI-209, 211.