

JULI 25

RL → SEE JH-33

SPENT DAY WITH JOHN
HATHORE DOING DETAILED
SOIL TRAV ON HARDLUCK
PEAKS.

840596

Hardluck
(Tulsequah)

JUNE 19/81

KS-14

COLD & SHOWERS

AFTER TAKING LARRY DICK INTO ATLIN
THIS MORNING ~~TO~~ I WENT BACK TO
MENATATULIN RANGE TO EXAMINE
GOSSANS AND PLAIN TRAYS.

KST1-127 - TYPICAL QUARTZ-CARB-
~~QUARTZ~~ LATE RUSTY WEATHERING GOSSAN
NEAR HARDLUCK PEAKS. THIS SAMPLE
(O/C) HAS FUCHSITE AND BLACK MINERAL
WITH RED STREAK (HEMATITE?). NO
SULPHIDES OBSERVED. BC 5616-1043 T-25

KST1-128 - BROWN CHALCEDONY
BRECCIA. THIS ROCK HAS FRAGMENTS
QUARTZ-CARB, QUARTZ AND FUCHSITE
(O/C) IN A CHALCEDONY MATRIX. IT IS CROSS-
CUT BY LATE STAGE GRAY CHALCEDONY
STRINGERS. LOOKS LIKE GOOD ROCK
" "

KST1-129 - SOIL
AREA OF BRIGHT RED SOIL ON HILL,
MAY BE RELATED TO SPRING COMING
TO SURFACE BUT SAW NO EVIDENCE OF
THIS.

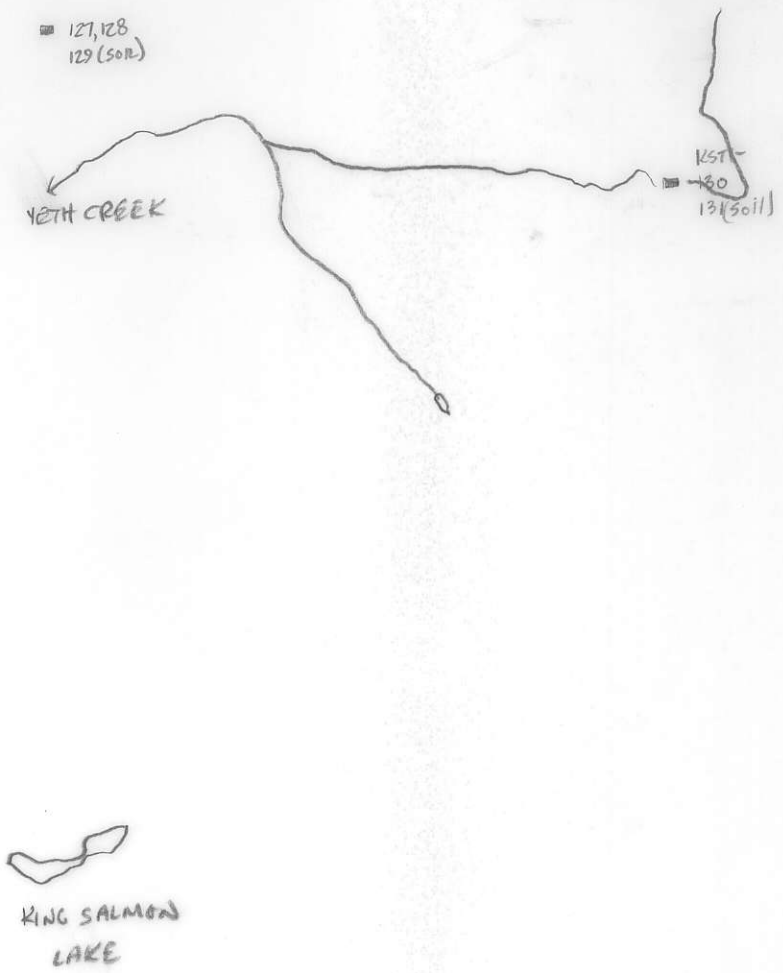
DEPTH - 10 CM C-HORIZON NO ORGANICS
BRIGHT RUSTY RED - BROWN
HOST ROCK = QUARTZ-CARB.

BC 5616-1043 T-25

Sampler REN SHANNON Location, Target (words) REGIONAL PROSPECTIVE FOR Au IN MENAJECTULINE MOUNTAINS ALONG NAHLIN THRUST FAULT. Sample Nos
 Date JUN 19/81 photo no. 1:250,000 104 K Cert. Nos

WSD-02599 TIT ATTITUDES (100/40 N) SANDSTONE SILTSTONE CONGLOMERATE VOLCANIC SPECIMEN SITE A.B...: DO NOT WRITE ON OTHER SIDE OR USE COLOURS CHERT PAN Δ WATER O SHALE PAN Δ ROCK ■ SILT X SOIL ● LIMESTONE DOLOMITE INTRUSIVE GOSSAN, MINERALS

DON'T 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:

SUMMARY JUNE 19/81

KS-14

AFTER MORNING IN ATLIN SENDING OFF LARRY DICK, I RETURNED TO THE MENA-TATULIN MOUNTAINS AND EXAMINED SOME MORE GOSSANS ALONG THE NAHLIN THRUST FAULT. FIRST, NEAR HARDLUCK PEAKS WAS AN ALTERED QUARTZ-CARBONATE-FUCHSITE ROCK WHICH HAD VARIETY OF HABITS. ONE WAS A BROWN CHALCEDONY BRECCIA WITH CLASTS OF QUARTZ-CARBONATE; THIS ROCK WAS CUT BY LATE STAGE GRAY CHALCEDONY STRINGERS INDICATING SEVERAL STAGES OF SILICIFICATION (AT LEAST THREE). ALSO AT SAME OUTCROP WAS USUAL BANDED RUSTY QUARTZ-CARBONATE SOME OF WHICH HAD BLACK CRYSTALLINE MINERAL (CHROMITE?).

FURTHER EAST NEAR SHARP NORTH BEND IN YETH CREEK WAS QUARTZ-CARBONATE ROCKS WHICH ALSO HAD VARIETY OF HABITS. SOME WAS PURE WHITE CHALKY CHALCEDONY, ALSO PRESENT WAS GREEN BANDED CHALCEDONY AND GRAY LATE STAGE CHALCEDONY STRINGERS. THE USUAL LAYERED QUARTZ-CARB RUSTY WEATHERING ROCK IS ALSO COMMON.

THERE IS A WIDE RANGE OF TEXTURES AND COMPOSITIONS IN THESE QUARTZ-CARBONATE ROCKS, PERHAPS SOME VARIETIES WILL BE RELATED TO GOLD MINERALIZATION. THE FELDSPAR PORPHYRY THAT TERRY Z. WAS WORKING ON TODAY AT NICKEL CREEK IS A LOGICAL SOURCE FOR AU FLUIDS.