

842497

MT-12

SUN/CLOUDS.

JUNE 18/81

ADUARK LK

M. THICKS

TRAVELER'S CONSISTS OF SAMPLING & PROSPECTING ALONG A GOSANOUS RIDGE, CIRCLED AREA NORTH OF ADUARK LK. EAST OF RIDGE - HIGHWAY UP ON A PLATEAU LIES TO FOLIATED DIORITES, GNEISS ETC. IN THE RW AND UNALIGNED FOR THE MOST PART. RW OF INTEREST AND ALTERED CACHE CREEK RX.

MT1-72

CHIP SAMPLE

ALTERED VOL? → GREENSTONE? CALC. SILICIFIED. FRACTURE DENSITY HIGH, WEATHERS A HEMATITE REDDISH-ORANGE. FRESH SURFACE GREYS - BUFE. SILICA SEEMS TO BE MORE RELATED TO ROCK REPLACEMENT (?) WHERE AS MOST USING (WHEN PRESENT) ARE CALCAREOUS. POSSIBLY SOME FINELY DISSEM. IV

MT1-73

CHIP SAMPLE

SILICEOUS - CALCAREOUS CACHE CREEK - ALTERED VOL (OR LUST)? RPPX - V1 FRACTURED. WEATHERED HEMATITE. QZ VEINS PRESENT - SOME CONTAINING FRAGMENTS OF ALTERED RK. CHALCEDONY PRESENT. (POSSIBLY JASPER?) NO ORIENTATIONS ON QZ VEINS - BROKEN. CA VEINS PRESENT. OFTEN VEINING ALTERED TO HEMATITE. NOTE: VEINING NOT EXTENSIVE.

ALONG THIS RIDGE D/C NOT EXTENSIVE, USUALLY OCCURS AT RESISTANT "KNOPS" STICKING UP OUT THE RIDGE (RESISTANT SILICA) THESE TEND NORTHWARD → POSSIBLE STRUCTURE? → RIDGES  
 → ALONG RIDGE → STRIKING → EW

MTT1-74

CHIP SAMPLE

BRXX - SILICIFIED LIMESTONES (?)

1/2' THICK ← DYKE OR VEIN LIKE, STRIPING - EW  
DIPPING ALMOST VERTICAL, SURROUNDED BY  
HEMATITIC SHALES. FRACTURING

MODERATE. ABUNDANT SILICA SOME  
OR MAY BE AMETHYST OR - PURPLE  
(IRON STAINING?). BRXX FEELS "HEAVY"  
& DENSE.

PROBABLY WAS A FORCEFULLY INJECTED  
OR VEIN THAT BRXX SOME OF SURROUNDING  
CRACK CREEKS. UNIDENTIFIED MINERAL  
PROBABLY PY?

ABUNDANT SHALVEY MATERIAL ON RIDGE  
USUALLY CRACKS ALONG RIDGE (SOMETIMES  
↓) & DIPS VERTICALLY.

MTT1-75

CHIP SAMPLE

BRXX? - V/ SILICEOUS - (OR VEIN?)

1-2' WIDE NORTH STRIPING -  
CONFORMABLE TO SHALES. SOME CALL  
MATERIAL MAINLY CONFINED TO FRACTURES  
CONTAINS JASPER (?) AS THIN STRIPING  
& SPARSELY AS FRAGS. THIS IS LIKELY  
SAME STRUCTURE AS #74.

MTI-76

CHIP SAMPLE

SILICEOUS LIMSTON BRKY - VI SILICIFIED,  
 BUFF TO ORANGE (HEMATITE) WEATHERING,  
 SURFACE, CREAMY GRAY ON FRESH,  
 CHALCEDONY PRESENT. HEAVILY FRACTURED,  
 OR IS A SMALL ZONE UP TO 15' WIDE  
 WITHIN THE SHALES. CAN'T GET ANY  
 BEDDING OR STRUCTURE. DISSEM PY SEEN  
 ON OR → POSSIBLY SILICEOUS SSN AND  
 METAL QUARTZ.

MTI-77

CHIP SAMPLE

BRKY - SILICIFIED - CALCAREOUS CALCITE CRACK  
 VOLC. HEMATITE ON FRACTURES. CONTAINS  
 OR FRAGS. WELL FRACTURED. SPECULARITE  
 PRESENT IN CLUSTERS NO OR OR CA  
 VEINING SEEN - NO SULPHIDATE OR SECONDARIES.  
 TAKEN IN LOCATION OF 2 SICTS MTI-76-137.  
 INTRUSIVE FLOAT & VOLC FLOAT - ALSO  
 SOME LARGE BOULDERS OF OR FLOAT.

MTI-78

CHIP SAMPLE

BRKY GOSSAN. - SILICIFIED LIMST. SILICA  
 BLENDS, VEINETS & VEINS ABUNDANT THROUGHOUT  
 GOSSAN. FRAGMENTS ALL VI ALTERED MOSTLY  
 HEMATITE. EMPTY BOXWORK, NO SECONDARY  
 CU. CHALCEDONY PRESENT. BRECCIATION  
 LIKELY ~~OR~~ QUENCHED & AFTER SILICIFICATION -  
 (OR IN FRAGS AS WELL).  
 PROBABLY OIL ~ 100' X 100' IN EXTENT.

MTT1-79

CHIP SAMPLE

BRKY SILICEOUS LMST - V/ GOSSANOUS  
PROBABLY AN EXTENSION OF # 78,  
DOESN'T HAVE THE AMOUNT OF SILICA  
IN VEIN OR IN ROCK, CHALCEDONY  
PRESENT, WELL FRACTURED, ~~#~~  
NO SULPHIDES REMAINING, CAN'T  
GET ATTITUDE BUT LIKELY THIS  
WHOLE STRUCTURE IS STRIKING  
NNE S DIPPING TO THE EAST. -

MTT1-80

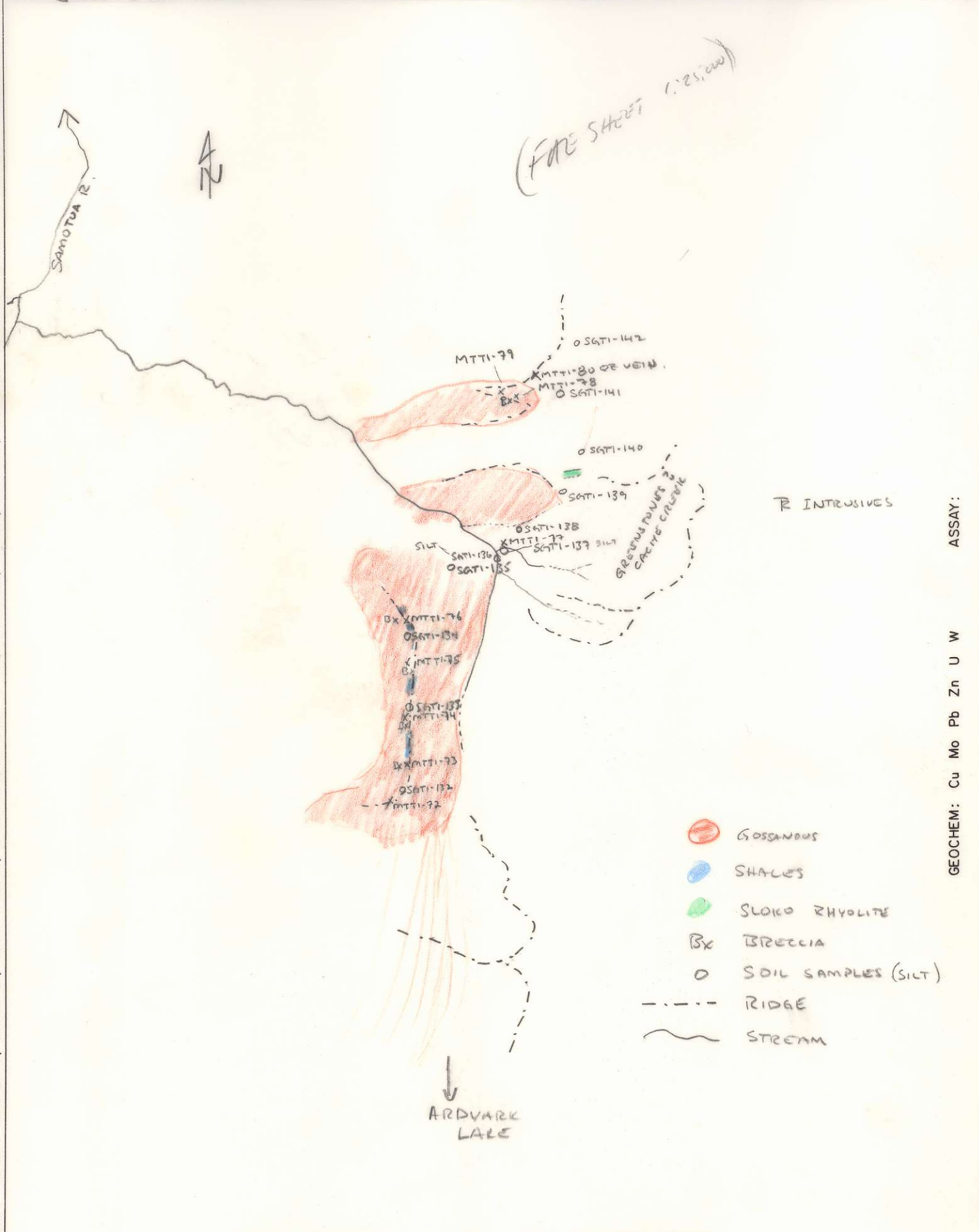
CHIP SAMPLE

VEIN OF QZ OR TOTALLY REPLACED  
SILICA LMST? F.G. - M.G.  
SUCROSLIC TEXTURE

WSO-82999711  
 ATTITUDES  
 100/40 N  
 SANDSTONE  
 SILTSTONE  
 CONGLOMERATE  
 VOLCANIC  
 SPECIMEN SITE A,B,...; DO NOT WRITE ON OTHER SIDE OR USE COLOURS  
 CHERT  
 SHALE  
 PAN Δ WATER O  
 SILT X SOIL ● ROCK ■  
 LIMESTONE  
 DOLOMITE  
 INTRUSIVE  
 X X X X  
 GOSSAN,  
 MINERALS

DON'T FORGET CONTOURS, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, TRAILS, GOSSANS, OBSERVED GEOLOGY: DEFINED ——— INFERRED - - - ASSUMED.....

Project TELSEQUAH	NTS 104 K	Scale 1" = 1/2 mile	Page of	Traverse MT-12
Sampler M THICK S. GEORGE	Location, Target (words) 3-5 MILES NORTH OF ARDVARK LK.	Sample Nos MTTI-72-80 SGTI-132-142	Cert. Nos	
Date JUNE 18 1981	photo no. A110 86 -176			



ASSAY: GEOCHEM: Cu Mo Pb Zn U W

June 18/81

North of Ardank Lk.

MT-12  
M. Thicke

S. Greetz & M. Thicke spent the day sampling prospecting & mapping along ridges & through a cirque that was prominently gossanous. East of the ridge, higher up on a plateau, lies Triassic foliated intrusives - diorites etc. Rocks of interest are altered Cache Creek Group rocks.

Soil sampling was performed by Dr. S. Greetz (Ph.D. dirt-bagger, Princeton). Samples were mainly collected along ridges except for a few in the cirque-valley. Soil was mostly B horizon & fairly well developed. Two silt samples (SGTI-136-137) were taken in a couple of streams flowing through the cirque-valley.

Geology encountered consisted of calc-siliceous altered Cache Creek volcanics - usually brecciated - hematitic. Siliceous carbonate rocks often contained chalcedony. Shales, well fractured & hematitic, were mostly encountered along the ridge in the south part of the traverse. These rocks appeared to be striking northward & dipping vertically. An outcropping of Sicho mylonite (bluish-purple) was found - possibly striking E-W. The best rock was found in the northern part of the traverse (MTT1-78-79). Extremely gossanous these rocks ~~are~~ had high levels of silica in them, especially #78. They were brecciated & quartz veined - good host rock for Au. A large quartz vein was found ~~at the~~ but time made obtaining any possible data (except sample) impossible.

chalcedony  
present  
siliceous host

Rock Chips MTT1-72-80

Soils = SGTI-132-138, 138-142

Silts " - 136, 137.