

842619

MT-III

JUNE 16 1981

KRISTEL LK

MULTI-CHE  
RAIN-CLOUDY

TO TRAVERSE THROUGH A REGION OF  
YOUNG INTRUSIVES - KING SALMON SEDS &  
POSSIBLE STUHNI VOLCS. FELSITE - QFT  
INTRUSIVES ARE FAULT CONTACTED W/ KING  
SALMON SEDS. THIS AREA (GOSSANOUS) WILL  
BE CONCENTRATED ON.

MTI-58

CHID SAMPLE

BRX - SILICIFIED (CONTAINS CHALCEDONY)  
CALCAREOUS OR FP TT. THIS PARTICULAR  
SAMPLE IS LIKELY FROM A SHEAR  
ZONE. THERE ARE POSSIBLY A SERIES  
(3-4?) OF SHEARS, FROM INCHES TO  
MAYBE MORE THAN A FOOT WIDE, THAT  
STRIKE ~ NE AND DIP ALMOST VERTICALLY.  
THIS SAMPLE CONTAINS JASPER FRAGS &  
A SILICIFIED (?) CALCITE VESN (SAME TRENDS AS  
SHEARS). FRACTURING HIGH & INHOMOGENEOUS  
STAINING ABUNDANT. POSSIBLY CONTAINS  
VI FINELY DISSEM. PY.

MTI-59

CHID SAMPLE

BRX VI SIMILAR TO H 58 EXCEPT  
MORE CHALCEDONY PRESENT. THIS SAMPLE  
WAS TAKEN FROM PEDESTAL ON TOP OF  
GOSSANOUS CLIFF & LIKELY CAME FROM  
A SHEAR (?)

SEQUENCE OF EVENTS:

- ① KING SALMON SEDS
- ② RAFTING & YOUNG INTRUSION

↓  
③ RELATED SITINGING + MOVEMENT OF SILICIFIED  
FLUIDS

MTT-60

CHIP SAMPLE

WELL FRACTURED QZ-FP-TT  
 PROBABLY NOT BRXX. HEMATITIZED  
 ALONG FRACTURES - ALSO CARBONATES  
 RELATED TO FRACTURES. NO SULPHIDES  
 SEEN. FP ALTERING TO CLAY.  
 (THIS SAMPLE NOT AS ALTERED AS  
 SOME). POSSIBLY SOME CHALCOPHYNY.  
 POSSIBLY MORE SILICIOUS (?)  
 IN THIS AREA QZ-FP-TT APPEARS  
 TO GO FROM FRESH RK TO FAIRLY  
 ALTERED RK (GOSSANOUS & CLAYISH).

VEINING IS NOT EXTENSIVE. MOST  
 VEINS ARE CA, VARYING IN DEGREES  
 OF SILICIOUSNESS. SOME CA VEINS ARE  
 EXTREMELY HEMATITIC.

MTT-61

CHIP SAMPLE

BRXX w/ FRAGS OF QZ-FP-TT  
 SURROUNDED BY SILICIOUS CA VEINS.  
 VEINS w/ HEMATITE. ALTERED &  
 GOSSANOUS BRXX. SOME VEINS UP  
 TO 0.5" WIDE. INTRUSIVE FRAGS ARE  
 ALTERED & SILICIFIED. THIS SAMPLE  
 IS FROM FLOAT JUST BELOW CLIFFS

No sulphides  
 seen

MTT-62

CHIP SAMPLE

VI CRIMSON-HEMATITE INTRUSIVE. VI  
 ROTTEN TEXTURE. POSSIBLY T(?) FRACTURE-  
 ING MODERATE-HIGH-SOME CALC MATERIAL.  
 ROTTEN BECAUSE PROBABLY VI CREEP TO FAVEL.  
 VI MINOR QZ & CA VEINING & DIED. VI  
 NARROW WHEN PRESENTS NO SULPHIDES  
 SEEN.

MTT-63

CHIP SAMPLE

PROBABLY A COOKED-UP KING SALMON  
 SED - POSSIBLY SILICIFIED. HEMATITE ON  
 FRACTURES - CALC ON FRACS AS WELL.  
 THIS SAMPLE TAKEN ON WEST SIDE OF  
 FAULT - V/FRACTURED. NO CA VEINING OR  
 SULPHIDES NOTICED

NOTE: SHOULD BE IN KING SALMON SED

IN FAULT ARE KING SALMON SEEDS  
 APPEAR TO BE LINEY-CHALET BIRCH  
 ATTITUDE  $\rightarrow$  100/20S  
 GREEN-GYLNK INTERBEDDED W/ ARGAL  
 SOME STUNNI VENE IN FLOAT.

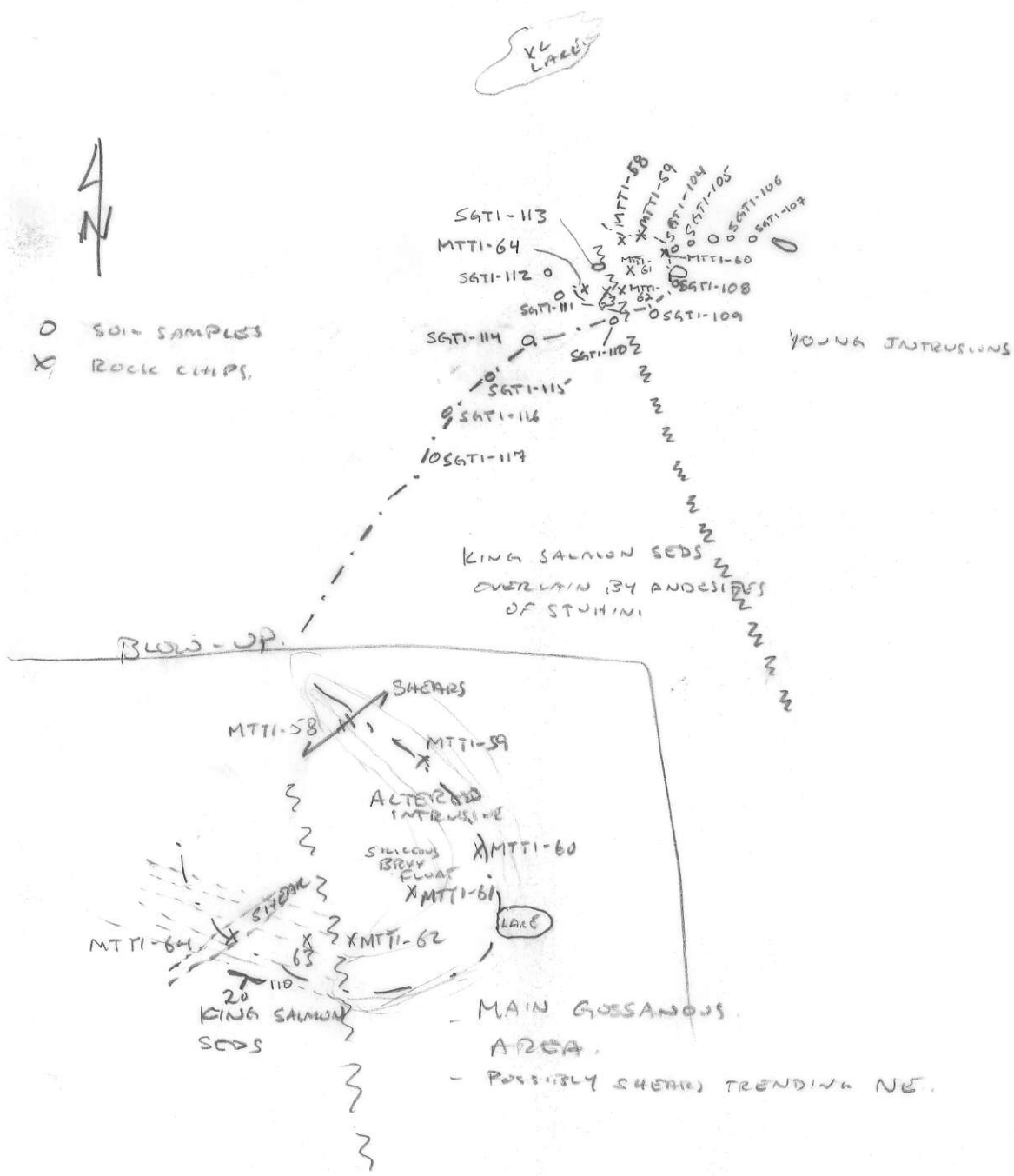
MTT-64

CHIP SAMPLE

BRXK - SILICIFIED - QZ VEINING &  
 MASTER CA VEINS (LARGER GENERALLY)  
 POSSIBLY COOKED UP K.S. SED (NO)  
 AND PROBABLY IS SASSAR - NE  
 TRENCH CUTS KING SALMON -  
 QZ-FATT DYKE?

WSP-02999 T11  
 ATTITUDES  
 (100/40 N)  
 SANDSTONE SILTSTONE  
 CONGLOMERATE  
 VOLCANIC  
 SPECIMEN SITE A,B,...; DO NOT WRITE ON OTHER SIDE OR USE COLOURS  
 CHERT  
 SHALE  
 LIMESTONE DOLOMITE  
 INTRUSIVE  
 SILT X SOIL X ROCK X  
 PAN Δ WATER O  
 GOSSAN, MINERALS  
 DON'T FORGET CONTOURS, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, TRAILS, GOSSANS, OBSERVED GEOLOGY: DEFINED — INFERRED --- ASSUMED.....

Project <b>TULSEQUAH</b>	NTS <b>104 K</b>	Scale <b>1" = 1/2 mile</b>	Page <b>of</b>	Traverse <b>MT-11</b>
Sampler <b>S. GEORGE M. THILKE</b>	Location, Target (words) <b>RIDGE SOUTH OF CRYSTAL LAKE ~ 1 MILE.</b>		Sample Nos <b>SGTI-104-117 MTTI-58-64</b>	
Date <b>JUNE 16 81</b>	photo no. <b>BC 5618 210 T-14-210</b>		Cert. Nos	



GEOCHEM: Cu Mo Pb Zn U W  
 ASSAY:

MT-11

June 16

Kristal Lake Traverse

M. Thibe.

S. Greutz & M. Thibe. spent the day prospecting, mapping & sampling around the a gossanous zone (porphyry environment) near Kristal Lake. The traverse went through a section of young intrusives, King Salmon sediments and overlying andesite from the Stuhini Group. Felsite - quartz - feldspar porphyry intrusives are fault contacted with King Salmon shaley - argillites & sandstones. The gossanous area around the fault will be concentrated on.

S. Greutz performed soil sampling duties admirably despite heavy rain through-out the afternoon. Samples were taken laterally, above & one below the zone of alteration. Soil development was often poor especially along the ridge. Soil was mainly of B or C or both.

~~These~~ Intrusives in the altered zone were basically quartz - feldspar porphyries. Some samples were more altered than others though most showed hematitic & clay alteration. Areas of more intense silicification & brecciation may have been related to NE trending mostly vertical shears (?). Samples of this include MTT-58, 59, 61. Shear or ~~shear zone~~ ~~introduced~~ within King Salmon sed. seemed to brecciate, silicify & calc. sed. Calcareous veins were more prominent than quartz veins though carbonate was silicified to an extent. This shear through the sed. was NE trending as well & also well fractured.

A possible sequence of events is as follows:

- ① Deposition of King Salmon sed.
- ② Deposition of Stuhini volcs.
- ③ Faulting of young Felsite intrusives
  - ↳ related shearing & introduction of siliceous - calc fluids & brecciation.

Rock Chips.

MTT 1-58-64

Soils : SGT 1-104-117