

842420

NOTES ON GEOLOGY.

BARB CLAIMS. - KING SALMON LAKE.

I. ROCK TYPES

[5] SLOKO. - NOT POSITIVELY IDENTIFIED - POSSIBLE THAT GSC UNIT 126 IS SLOKO.

[3] - QUARTZ DIORITE - POSSIBLE SLOKO GROUP NOT JURASSIC / CRETACEOUS
- SMALL STOCK. - INTRUDES OLDER ROCKS.
- NARROW DYKES < 1m - 30m WIDE
- NORTH EAST STRIKE
- NOT SEEN CUTTING STOCK. - LATE PHASE

DESCRIPTION.

- DARK GREEN COLOR
STOCK - INEQUIGRAULAR - FELDSPARS TO 5mm. - 10-15%
- MAFICS - HORNBLENDE > BIOTITE TO 15%
- FINE GRAINED GROUNDMASS. - QUARTZ - LOW.
FELDSPAR.
MAFICS.
MAGNETITE NEAR MARGIN - MINOR TRACE PYRITE
CORE FINE-MED MINOR QZ - MORE ACID PHAS CLASSY MATRIX
DYKES - VARIES FROM FELDSPAR PORPHYRY. - FL - 40% DISS. PYRITE

NOT CUT
WIDTH - 30m?
STRIKE - NORTHEAST

INCREASING PHENOCRYSTS - CROWDED
MAFICS APPEAR. - Euhedral Biotite > Hb.
↓
TRANSITIONAL
↓
INEQUIGRAULAR. - QZ - EMBAYED.

ALTERATION.

QUARTZ DIORITE STOCK - SHELL ON MARGINS - INCREASING MAGNETITE.
DISSEMINATED
FL - PALE GREEN.
HX → CALCITE, CHLORITE, MONTMORILLONITE + PYRITE
DYKES - AS ABOVE.
DYKE - COPPER, ELECIA, FL → HX
QUARTZ XL - ANKERITE VEINING

ALTERATION
QZ DIORITE TO
VOLCANICS -

- BLEACHING
- PYRITIZATION

2. SINWA -

- WHITE WEATHERING MARBLE - THICK BEDDED.
- OCC. DARK BLUE - BLACK CARBONACEOUS
ALTERATION FEATURES VEINLET
- BROWN - PERVASIVE (DOLOMITIZATION) - NEXT TO-THRUST FAULT
- COMMON INTRUSION
- OCCASIONAL FINE GRAINED
- NEAR DIORITE → PALE GREEN DIOPSIDE SKARN. - PATCHY.
- SOME PLACES NO ALTERATION OTHER THAN REYL
- MAGNETITE - ACTINOLITE - AT DIORITE CONTACT
- VARIES FROM DISS MC IN. CRYSTALLINE CARBONATE TO
MAGNETITE IN FINE ACTINOLITE - TREMOLITE TO
MASSIVE MAGNETITE
- INTERFORMATIONAL BRECCIA - UP TO 10cm LOOSELY PACKED.
DARK BLUE CARBONACEOUS
WHITE - BLACK ANGULAR CHERT & LIMESTONE FRAGMENTS

STUHINE VOLCANICS

THICK BEDDED, MASSIVE TO WEST - BLACK AMPHIBOLIC - FINE GRAINED
TCM
 TENDING THIN BEDDED - SW - FINE BEDDING TUFF
 THIN BED - SOFT TUFF
 LIMY BED - NEXT TO DIORITE CUT TO FINE GRAINED CABINET - DIORITE

LIGHT GREY - PALE GREEN
 AT & NEAR DIOR CUT - BLEACHED, FRC LIMONITIC, PYRITE FRC

- SKARN - U FINE GRAINED CALC-SILICATE
 - FLINTY SILTSTONE - MULTI COLORED SILT GRAINS
 - VOLCANIC - FLOW - U FINE GRAINED
- ATTITUDE - NORTHEASTLY STRIKE
 - DIP - MODERATE TO EAST.

W O E

LIMESTONE -

DOLOMITIZATION - KING SALMON THRUST?

- INTRUSIVE

ALTERATION:

LARGE BRECCIA ZONE -

CROWD FL, MIDOR QZ PHN

X FL PPRY STRONG ALT - SERICITE

- CRACKLE BX - VOLC.
- PERVASIVE SILICIFICATION
- CUT BY QZ XL LINING OPEN FRACTURE & LATER CARBONATE (ANKERITE)
- MINERALIZED BY SPOTY XL CHALCOPHYRITE,
- FILM MALACHITE
- PERVASIVE -

VOLCANICS - BLEACHED & ALTERED

CRACKLE BX

- QUARTZ^{XLS} LINING OPEN.

- WHITE COATING FRACTURES SULPHATES OR ZEOLITE

HE XLS COATING^{QZ} UUGS & OPEN FRCSMALL BRECCIA ZONE

- BRECCIATED
- QZ SILICIFICATION
- QZ COATING FRC W XL OPEN SPACES FOLLOWED BY CB (ANKERITE)

VEIN ZONES - VOLC

- BLEACHED, ALI

ALTERATION - INTENSE PERVASIVE CARBONATIZATION

- MOSTLY FRC ZONES NEAR DIOR.

- PY, B30 = CALEVA.

B60 - CARB & PODS. 1m. - MASSIVE PY & PR - UP TO 1m.

B18 & 19 - MG.

STRIKE - 80m - INFERRED 100m.

QUARTZ DIORITE - (

STOCK & DYKE - SEE Pg. 1

QZ U.

MINERALIZATION

MAGNETITE - DIORITE STOCK - SHELL - $\approx 200m$ 1-4% - NO. UNIFORM INCREASE TO
 - DYKE - NONE SEEN IN DYKES
 - CLOSE ASSOC. - PORPHYBITIC & MASSIVE MC - \leftarrow DISS IN CARB MASSIVE
 - SUPERGENE

CALENA - VEIN - STRONG CARB - 1-5% XL

COPPER - ^{BRE} BRECCIA - UP TO 1cm XL CHALCOPYRITE
 - SUPERGENE MC
 - TRACES - WITH PR & PY

PYRRHOTITE - ^{PYRITE} MASSIVE - UP TO 1m. LENSES. - TRACE CHALCOPYRITE

PYRITE - DIOR. DYKE - UP TO 5%
 - IN VOLC. - BLEBS BORDER - COARSE
 - VEINS - CARBONATE
 - MINOR ASSOC MASSIVE MC - COARSE BLEB
 COARSE BLEB
 - STRONGER DEV. AT BORDER - NEAR PORPHYRY