

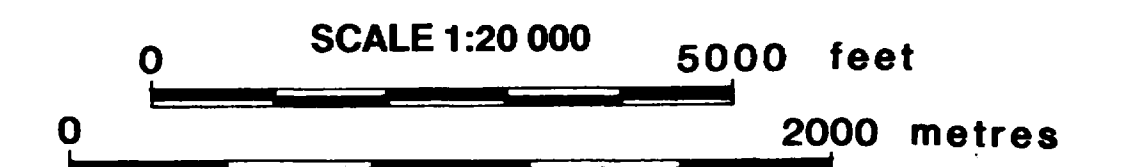


Province of British Columbia  
 Ministry of Energy, Mines and Petroleum Resources  
 MINERAL RESOURCES DIVISION  
 GEOLOGICAL SURVEY BRANCH  
 OPEN FILE 1990-9



**GEOLOGY OF THE ROSSLAND GROUP,  
 BEAVER CREEK MAP AREA,  
 SOUTHEASTERN BRITISH  
 COLUMBIA**

NTS 082F/04,03  
 KATHRYN P.E. ANDREW, TRYGVE HØY AND  
 JOHN DROBE



**LEGEND**

**CENOZOIC**  
**QUATERNARY**

UNCONSOLIDATED DEPOSITS: TILL, SAND, GRAVEL, SILT

**TERTIARY OR OLDER (?)**

Ktd HORNBLENDE-BIOTITE DIORITE DYKES

KTr FAYOLITE DYKES

**MIDDLE EOCENE**

Ec CORWELL INTRUSIONS: BIOTITE MONZONITE, BIOTITE-AUGITE MONZONITE

Esg SHEPPARD INTRUSIONS: GRANITE, SYENITE

Ti MINOR INTRUSIONS: HORNBLENDE-FELDSPAR AND HORNBLENDE PORPHYRIES

**MESOZOIC**

**JURASSIC**

Jn NELSON INTRUSIONS: GRANODIORITE, QUARTZ MONZONITE

**LOWER AND MIDDLE (?) JURASSIC**

**Intrusive units**

Jm ROSSLAND MONZONITE: BIOTITE-HORNBLENDE-AUGITE MONZONITE, MAINLY MEDIUM GRAINED

Jdi FINE TO COARSE, GRANULAR DIORITE

**ROSSLAND GROUP**

Jh HALL FORMATION: SILTSTONE, SANDSTONE, CONGLOMERATE, ARGILLITE, MINOR LIMY UNITS

Jh2 POLYMETAMORPHIC CONGLOMERATE, GRIT, LITHIC ARLENITE AND WACKE, MINOR SILTY ARGILLITE

Jh1 ARGILLITE, RUSTY WEATHERING, MINOR SILTSTONE

Je ELISE FORMATION: MAINLY TO INTERMEDIATE FLUFS, TUFFS, EPICLASTIC DEPOSITS AND SUBVOLCANIC INTRUSIONS

**epiclastic units**

Je11 TUFFACEOUS CONGLOMERATE, IN Tm, PREDOMINANTLY MAFC VOLCANIC CLASTS; Je11a: MAFC TO TUFFACEOUS CONGLOMERATE, IN Tm, PREDOMINANTLY INTERMEDIATE TO FELSIC VOLCANIC AND INTRUSIVE CLASTS; Je11b: PREDOMINANTLY INTERMEDIATE TO FELSIC VOLCANIC AND INTRUSIVE CLASTS; Je11c: ARGILLITE, LAMINATED SILTSTONE AND MAFC VOLCANIC CLASTS; Je11d: HORNBLENDE-PLAGIOCLASE INTRUSIVE CLASTS

Je10 TUFFACEOUS SILTSTONE, SANDSTONE, ARGILLITE

**pyroclastic units**

Je2 BASALTIC LAPILLI TUFF WITH AUGITE + PLAGIOCLASE BEARING VOLCANIC CLASTS

Je8 ANDESITE TUFF, MINOR BASALTIC TUFF, AND LAPILLI TUFF WITH PLAGIOCLASE + AUGITE-BEARING VOLCANIC CLASTS, AND PLAGIOCLASE + AUGITE CRYSTAL TUFF

Je7 BASALTIC TUFF, AND, AUGITE-PHYRIC LAPILLI TUFF, PYROCLASTIC BRECCIA, AND, MAFC, FINE TUFF

**flow units**

Je5 PLAGIOCLASE + AMPHIBOLE, AUGITE ANDESITE

Je4 AUGITE + PLAGIOCLASE BASALT FLOWS, FLOW BRECCIAS

**LOWER ELISE FORMATION**

Je1 AUGITE + PLAGIOCLASE BASALT FLOWS, FLOW BRECCIAS, SUBVOLCANIC INTRUSIONS

**ARCHIVAL FORMATION: SILTSTONE, SANDSTONE, ARGILLITE, COMMONLY RUSTY WEATHERING**

Jav BASALT, ANDESITE FLOWS, LAPILLI TUFF

Ja3 MARCON SILTSTONE, WACKE

Ja2 TUFFACEOUS SILTSTONE, WACKE, MINOR CONGLOMERATE, JAV, CONGLOMERATE, COMMONLY CONTAINING LIMESTONE CLASTS

**AGE UNKNOWN**

pCtn TRAIL GNEISS: AMPHIBOLITE AND GREY BIOTITE GNEISS, HORNBLENDE GNEISS, MICA SCHIST, APLITE AND PEGMATITE

**SYMBOLS**

- Limit of mapping, exposure, geological station.....
- Geological contact: (defined, approximate, assumed).....
- Fault: (defined, approximate, assumed).....
- Fault, normal (early).....
- Fault, normal (late).....
- Anticline: (defined, approximate, assumed).....
- Syncline: (defined, approximate, assumed).....
- Bedding: (inclined, vertical, overturned, top unknown).....
- Cleavage, foliation.....
- Lineation.....
- Mineral occurrence.....
- Fossil locality.....

(100 FOOT CONTOUR INTERVAL)

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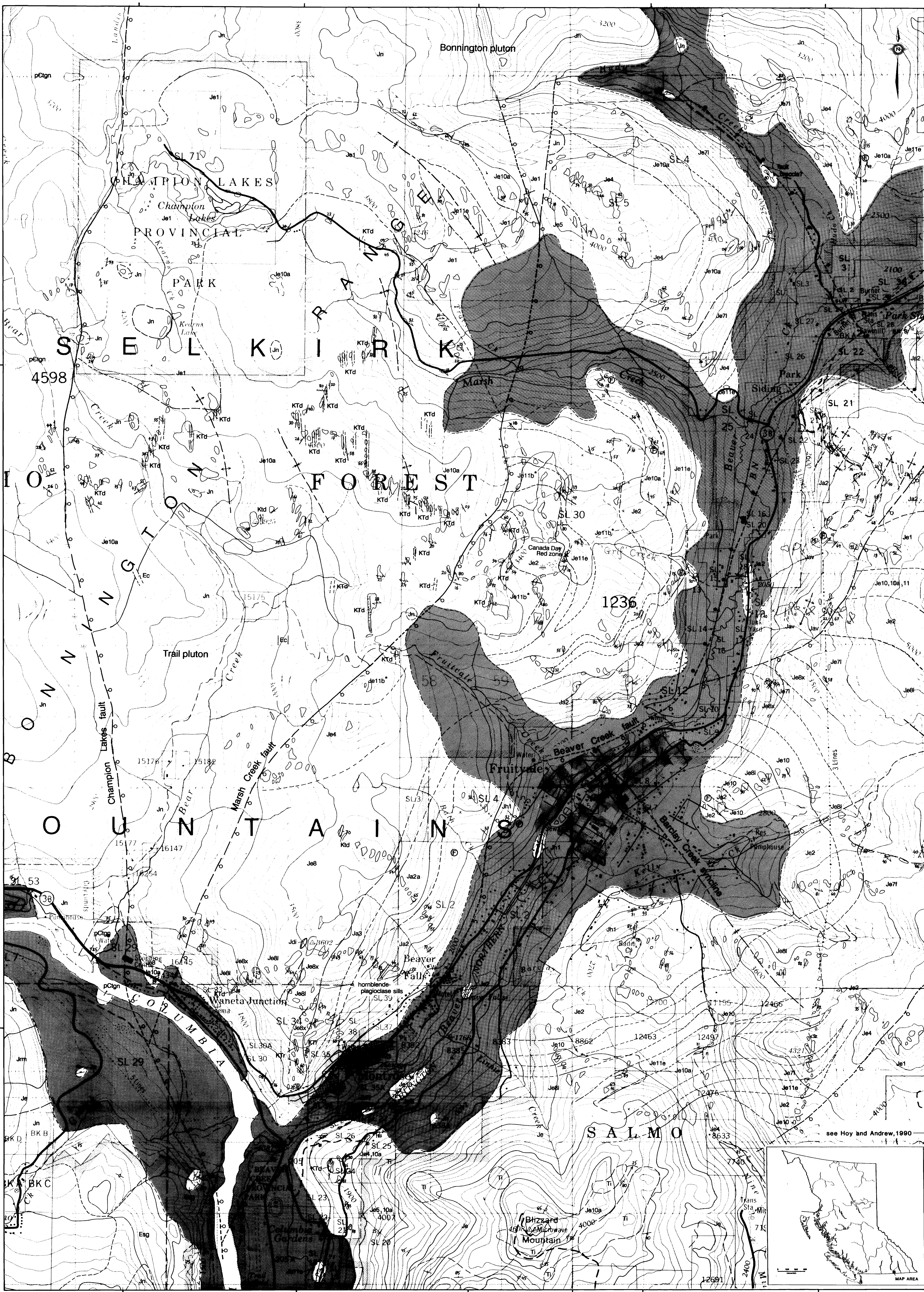
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