

LEGEND

- TERTIARY**
- OLIGOCENE OR LATER**  
ENDAKO GROUP
- 15A, 15B 15A, mainly vesicular and amygdaloidal basalt, andesite, and dacite; flow breccia and agglomerate  
15B, trachytic and andesitic flows, dykes, and sills; may be older than 15A
- EOCENE OR OLIGOCENE**
- 14 Rhyolitic flows, tuffs, and intrusions; minor dacite, andesite, and basalt
- 13 Conglomerate, sandstone, and shale; minor tuff
- CRETACEOUS AND TERTIARY**  
UPPER CRETACEOUS OR LATER
- 12A, 12B 12A, andesite, trachyte, and rhyolite; intercalated arkose and conglomerate  
12B, rhyolite, dacite, andesite, basalt; minor related tuffs and breccias; may be partly or entirely of same age as 14
- UPPER CRETACEOUS AND PALEOCENE  
SUSTUT GROUP
- 11 Conglomerate, shale, greywacke, and tuff
- JURASSIC OR CRETACEOUS**  
UPPER JURASSIC (?) OR LOWER CRETACEOUS
- 10 USLIKA FORMATION: conglomerate; minor sandstone and shale; may be partly younger
- UPPER JURASSIC OR LOWER CRETACEOUS  
OMINECA INTRUSIONS
- 9 Granodiorite, quartz diorite, diorite; minor granite, syenite, gabbro, and pyroxenite
- JURASSIC AND (?) CRETACEOUS**  
TACHEK GROUP
- 8 Andesite and andesite breccia; basalt and rhyolite
- PART OF HAZELTON GROUP
- 7 Andesite, trachyte, basalt, and related breccias
- TRIASSIC AND JURASSIC**  
UPPER TRIASSIC AND LATER  
TAKLA GROUP
- 6 Andesitic and basaltic flows, tuffs, breccias, and agglomerates; interbedded conglomerate, shale, greywacke, limestone, and coal; 6A, shale, greywacke, conglomerate, tuff, and limestone (Upper Triassic)
- PERMIAN (?) AND/OR LATER**  
POST-MIDDLE PERMIAN, PRE-UPPER JURASSIC (?)  
TOPLEY INTRUSIONS
- 5A-5C 5A, granite and granodiorite  
5B, syenite  
5C, diorite
- POST-MIDDLE PERMIAN, PRE-UPPER TRIASSIC (?)  
TREMBLEUR INTRUSIONS
- 4A, 4B 4A, peridotite, dunite; minor pyroxenite and gabbro; serpentized and steatized equivalents  
4B, pyroxenite, minor peridotite and gabbro; serpentized and steatized equivalents. May be in part post-Triassic
- PENNSYLVANIAN (?) AND PERMIAN**  
CACHE CREEK GROUP
- 3 Andesitic flows, tuffs, and breccias with minor basic intrusions (greenstones); chert and limestone. May include some takla group rocks (6)
- 2A, 2B 2A, ribbon chert, argillaceous quartzite, argillite, slate, greenstones similar to 3, limestone; minor conglomerate and greywacke; metamorphosed equivalents; small bodies of 4  
2B, argillite, slate, greenstones similar to 3; minor chert and limestone. Relation of 2B to 2A not known; both in part older than 1, and may be in part younger than 3
- 1 Massive limestone; minor argillite, slate, chert, and greenstone
- WOLVERINE COMPLEX**
- A Granitic gneiss, pegmatite, granite or granodiorite; minor schists. Granitized equivalents of B
- B Micaceous, chloritic, and garnetiferous schists; quartzite, crystalline limestone; minor granitic gneiss and pegmatite. Probably metamorphosed Precambrian rocks

**PRODUCTIVE PLACER GOLD CREEKS**  
Quartz Creek, Vital Creek, Silver Creek, Harrison Creek, Kenny Creek, Tom Creek, Dream Creek, Kwanika Creek, Twytrike Creek, Gernansen River, Slate Creek, Kildare Gulch, Manson River, Skelton Creek, Lost Creek, Black Jack Creek, Boulder Creek, Sowchea Creek, Dog Creek.

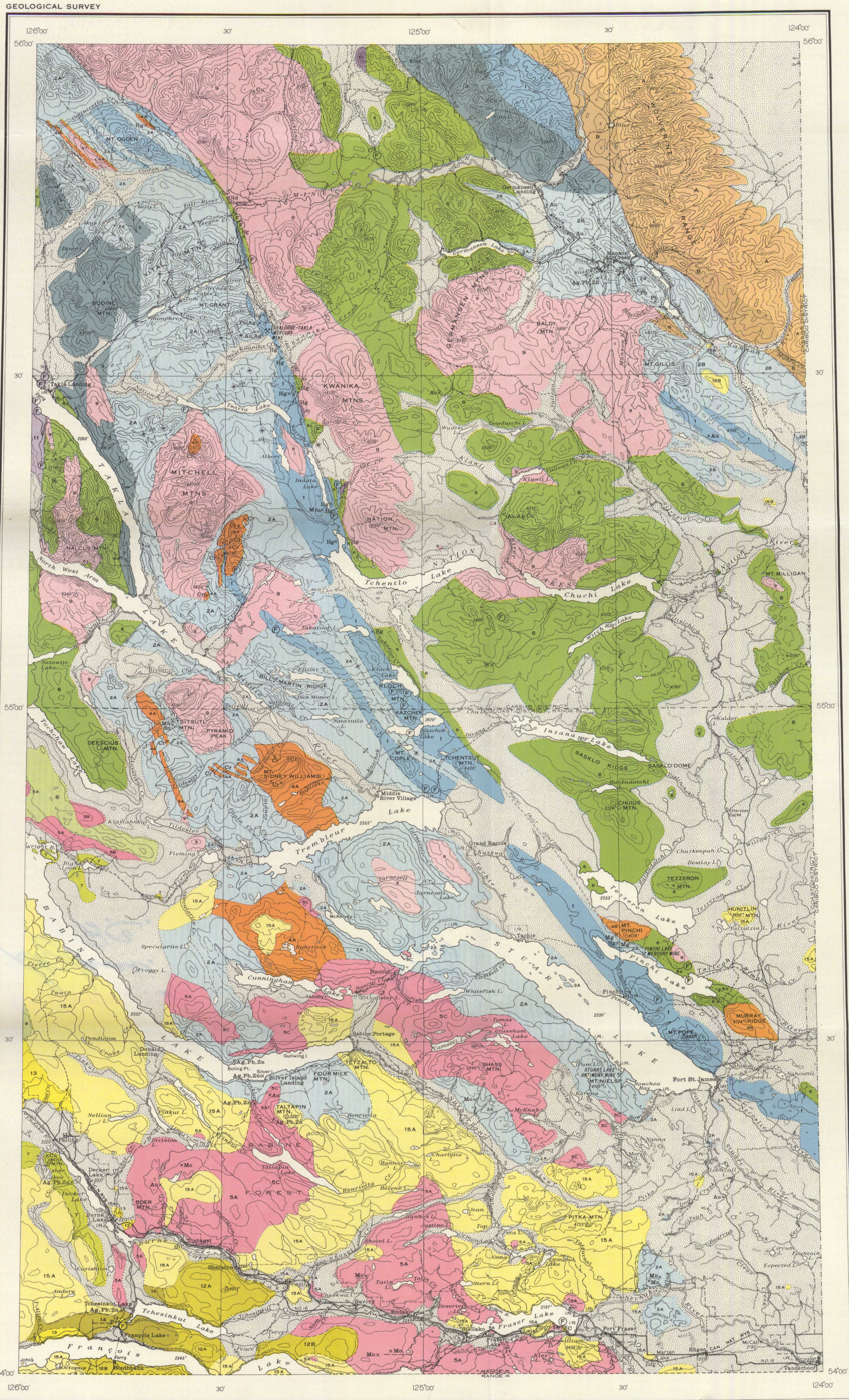
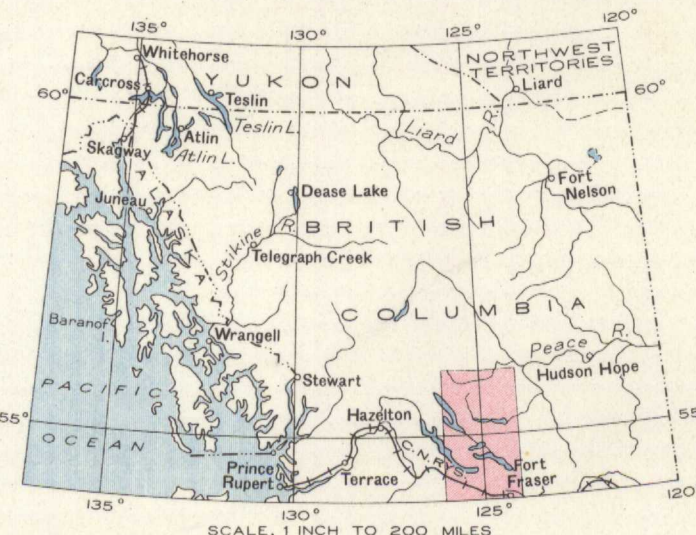
MINERAL OCCURRENCES

Chromium . . . . . Cr	Molybdenum . . . . . Mo
Coal . . . . . C	Phosphorus . . . . . P
Copper . . . . . Cu	Silver . . . . . Ag
Gold . . . . . Au	Tin . . . . . Sn
Lead . . . . . Pb	Tungsten . . . . . W
Magnesite . . . . . Mg	Vanadium . . . . . V
Manganese . . . . . Mn	Zinc . . . . . Zn
Mercury . . . . . Hg	

- Heavily drift-covered area . . . . .
- Fault or fault zone . . . . .
- Anticlinal axis . . . . .
- Synclinal axis . . . . .
- Fossil locality . . . . .
- Mineral occurrence . . . . .
- Provincial highway . . . . .
- Road and building . . . . .
- Road not well travelled . . . . .
- Trail or winter road . . . . .
- Church . . . . .
- School . . . . .
- Post Office . . . . .
- Triangulation station . . . . .
- Land District boundary . . . . .
- Forest Reserve boundary . . . . .
- Indian Reserve boundary . . . . .
- Range line . . . . .
- Lake and stream (position approximate) . . . . .
- Marsh . . . . .
- Contours (interval 500 feet) . . . . .
- Contours (position approximate) . . . . .
- Height in feet above mean sea-level . . . . .

Geology by J.E. Armstrong 1936, 1937, and 1940 to 1944;  
J.G. Gray, 1936 and 1937; A.H. Lang, 1937 and 1941;  
H.W. Little, 1942, and J.B. Thurber, 1944.  
Geological compilation by J.E. Armstrong, 1946.

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Drafting and Reproducing Division, 1947.



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MAP 907A  
**FORT ST. JAMES**  
BRITISH COLUMBIA  
Scale, 1/62500 or 1 inch to 6 Miles  
Approximate magnetic declination, 29°19' East.

This map has been produced from a scanned version of the original map  
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