



LEGEND

QUATERNARY	
PLEISTOCENE AND RECENT	
11	Till, gravel, sand, and silt
TERTIARY	
EARLY TERTIARY	
10	SHEPPARD INTRUSIONS: leucocratic granite
9	CORYELL PLUTONIC ROCKS: syenite; minor granite and monzonite, locally porphyritic
JURASSIC OR CRETACEOUS	
LATEST JURASSIC OR CRETACEOUS	
8	NELSON PLUTONIC ROCKS: quartz diorite and granodiorite; minor granite and diorite; 8a, medium-grained diorite and porphyritic diorite (may be Tertiary)
7	Monzonite, mainly medium grained
JURASSIC	
MIDDLE JURASSIC AND (?) LATER	
UPPER ROSSLAND GROUP	
5	Volcanic flows, agglomerate, flow breccia, tuff, and interbedded siltstone
LOWER AND (?) MIDDLE JURASSIC	
4	HALL FORMATION: argillite, shale, and some siltstone, and locally, volcanic flows; 4a, lava (may not be Hall Formation)
LOWER JURASSIC	
3	ELISE FORMATION: andesite, latite, and basalt flows, agglomerate, flow breccia, augite porphyry; minor tuff and siltstone
2	ARCHIBALD FORMATION: siltstone; minor shale and volcanic flows; 2a, interbedded flows locally abundant
6	LOWER ROSSLAND GROUP (Undivided) Volcanic rocks; minor interbedded siltstone (probably in part equivalent in age to the Archibald Formation); 6a, mainly siltstone (possibly equivalent to the Archibald Formation); 6b, siltstone with abundant interbedded flows
UPPER PALAEOZOIC (?)	
1	1a, black argillite, calcareous argillite, shale, and phyllite; 1b, white-weathering, dark grey limestone; 1c, greenstone and phyllite
A	Layered, granitoid gneiss; A1, marble

- Geological boundary (defined, approximate and assumed)
- Bedding, tops known (inclined, vertical, overturned)
- Bedding, tops unknown (inclined, vertical)
- Foliation and gneissosity (inclined, vertical)
- Lineation (plunge)
- Fault, thrust (approximate, assumed)
- Fault, other than thrust (defined and approximate, assumed)
- Glacial striae (direction of ice movement known, unknown)
- Fossil locality

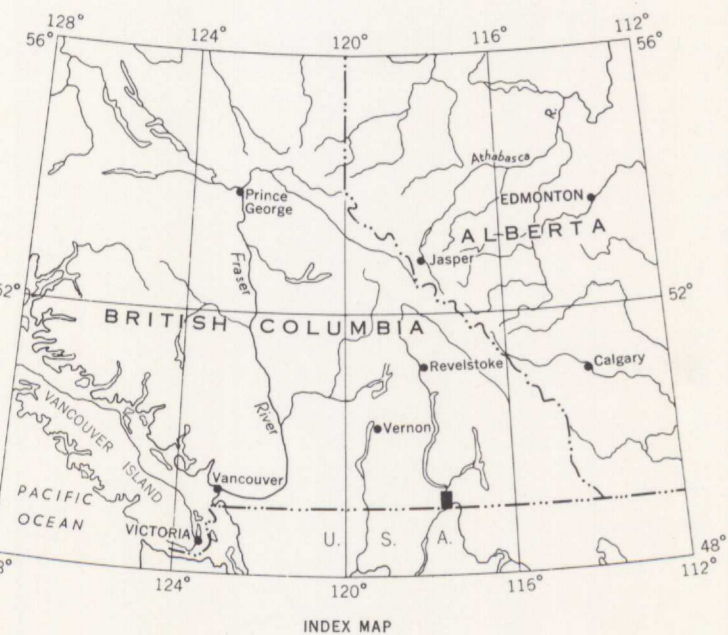
Geology by H. W. Little, 1961. Geology south of Waneta fault and east of Columbia River modified slightly after Fyles and Hewlett, British Columbia Department of Mines

- Main highway
- Other roads
- Trail
- Railway
- Power transmission line
- Building
- Post Office
- Horizontal control point
- International boundary
- Township boundary
- Park boundary
- Intermittent stream
- Sand
- Swamp
- Contours (interval 100 feet)
- Height in feet above mean sea-level

Cartography by the Geological Survey of Canada, 1962

Base-map by the Army Survey Establishment, R. C. E., Department of National Defence, 1951

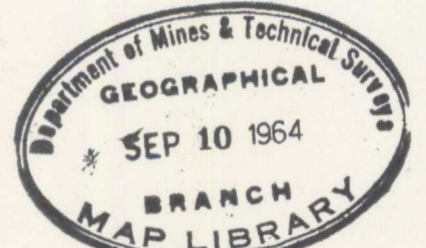
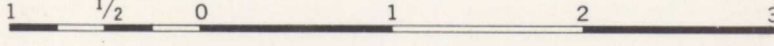
Approximate magnetic declination, 21° 45' East, decreasing 2.9' annually



PUBLISHED, 1962. COPIES OF THIS MAP MAY BE OBTAINED FROM THE DIRECTOR, GEOLOGICAL SURVEY OF CANADA, OTTAWA

MAP 7-1962
TO ACCOMPANY PAPER 62-5
GEOLOGY
TRAIL
(ROSSLAND-TRAIL, EAST HALF)
BRITISH COLUMBIA

Scale: One Inch to One Mile = 1/63,360 Miles



MAP 7-1962
TRAIL
BRITISH COLUMBIA
SHEET 82 1/4 (EAST HALF)

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