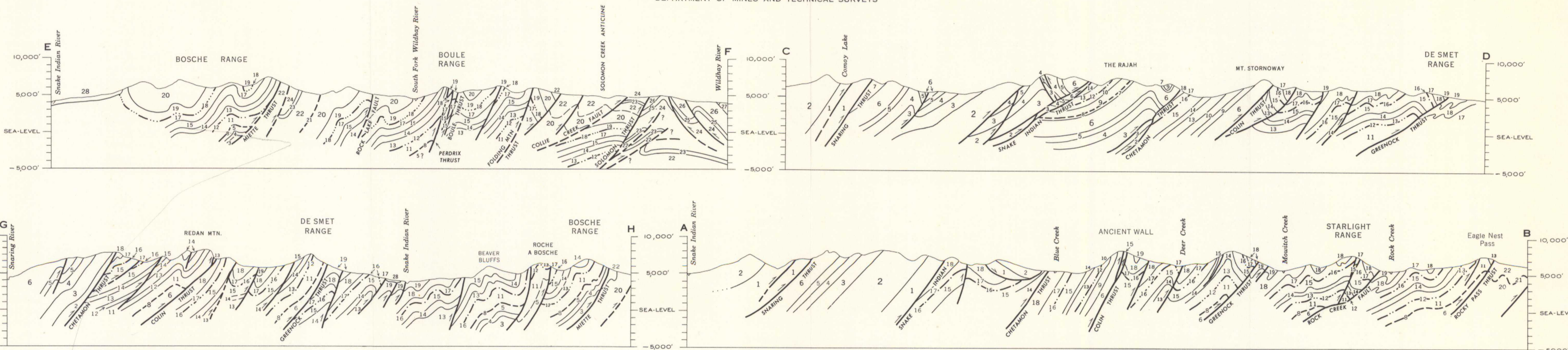




GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS



SECTIONS ALONG LINES A-B, C-D, E-F, G-H

- LEGEND**
- CENOZOIC**
- PLEISTOCENE AND RECENT**
- 28 Till, gravel, sand, silt, alluvium
- CRETACEOUS**
- UPPER CRETACEOUS**
- 27 BRAZEAU FORMATION: greenish grey sandstone, conglomeratic sandstone and shale
- 26 WAPIABI FORMATION: silty, concretionary, black mudstone, shale and siltstone
- 25 CARDUM FORMATION: grey, fine- to medium-grained, crossbedded sandstone, siltstone and silty shale
- 24 KASKAPAU FORMATION: dark grey, fissile, silty, concretionary shale; siltstone
- UPPER AND LOWER CRETACEOUS**
- 23 DUNVEGAN AND SHAFTESBURY FORMATIONS: light grey, medium- to coarse-grained, crossbedded sandstone, black shale and silty shale
- LOWER CRETACEOUS**
- 22 LUSCAR FORMATION: lower part: silty mudstone, siltstone and sandstone, coal in Moosehorn valley; upper part: greenish grey sandstone, siltstone, silty mudstone
- 21 CADOMIN FORMATION: chert-and quartzite-pebble conglomerate and conglomeratic sandstone
- LOWER CRETACEOUS AND JURASSIC**
- 20 MIKANASSIN FORMATION: dark grey, silty mudstone, siltstone and sandstone
- JURASSIC**
- 19 FERNIE GROUP: dark grey to black shale and silty, concretionary shale; light to medium brownish grey, fine-grained sandstone and glauconite. Undivided and includes Upper Fernie shales - 'Green Beds' Rock Creek Member, Toarcian shales and Nordeg Member; west of Bosche Range also includes 'Grey Beds'
- TRIASSIC**
- 18 WHITEHORSE FORMATION: light grey, dolomitic siltstone and sandstone; red, green and buff mudstone and siltstone; limestone and dolomite breccia, gypsum
- 17 SULPHUR MOUNTAIN FORMATION: dark grey, thin-bedded siltstone and silty mudstone
- PERMIAN AND PENNSYLVANIAN**
- 16 ROCKY MOUNTAIN FORMATION: massive chert and cherty, light grey sandstone
- MISSISSIPPIAN**
- 15 RUNDLE GROUP
Formation D: buff, dense, cherty dolomite and argillaceous dolomite;
Formation C: greyish brown, fine- to coarse-crystalline, thick-bedded, porous dolomite with relicts of fine- to medium-grained, organic calcarenite
Formation B: dark grey, argillaceous, fine-grained limestone and dolomite; thin interbeds of shale, collapse breccias and oolitic limestone;
Formation A: light grey, micro- to coarse-grained, massive organic calcarenite and partly organic calcarenite
- 14 BANFF FORMATION: dark grey, fine-grained, argillaceous, thin-bedded, nodular limestone; dark brownish grey, thin-bedded to fissile, calcareous shale; thin interbeds of argillaceous organic calcarenite
- DEVONIAN**
- 13 PALLISER FORMATION: dark grey, crypto- to fine-crystalline, massive, mottled, dolomitic limestone; calcarenite; argillaceous calcarenite
- 12 SASSENACH FORMATION: yellowish grey, calcareous siltstone; crypto-crystalline limestone; breccia; dolomite
- FAIRHOLME GROUP (8-11)**
- 11 MOUNT HAWK FORMATION: dark grey, argillaceous, thin-bedded, fine-crystalline limestone; calcareous shale
PERDRIX FORMATION: dark grey to brown, fissile shale; calcareous mudstone, thin-bedded, argillaceous limestone
- 10 SOUTHSK FORMATION: massive, light grey, crypto- to fine-crystalline limestone; in part calcarenite; dolomite, Simla Member at top; equivalent to upper part of 11
- 9 CAIRN FORMATION: massive, brown, fine- to medium-crystalline, cherty dolomitic limestone and calcareous dolomite with Amphipora and stromatoporoids; equivalent to 8 and lower part of 11
- MALIGNE FORMATION:** dark grey, fine-crystalline, thin-bedded limestone
FLUME FORMATION: dark grey to brown, fine- to medium-crystalline, cherty, dolomitic limestone with Amphipora and stromatoporoids
- ORDOVICIAN**
- LOWER ORDOVICIAN**
- 7 CHUSHINA FORMATION: greenish grey, argillaceous limestone, calcareous shale, intraformational conglomerate, dolomite
- CAMBRIAN**
- UPPER CAMBRIAN**
- 6 LYNX FORMATION: medium- to thin-bedded, light grey, fine-grained, finely laminated, silty carbonates and argillaceous carbonates, siltstone and intraformational conglomerate
- MIDDLE AND/OR UPPER CAMBRIAN**
- 5 ARCTOMYS FORMATION: recessive weathering, thin-bedded, pale green and maroon, silty mudstones with salt crystal pseudomorphs, and light orange weathering, finely laminated and crossbedded siltstones and sandstones
- MIDDLE CAMBRIAN**
- 4 PIKA FORMATION: recessive weathering, thin-bedded, grey, calcareous shale and argillaceous limestone, intraformational conglomerate
TITKANA FORMATION: resistant, grey, crypto-crystalline, dolomitic mottled limestone
- 3 Recessive weathering, greenish grey shales with interbeds of resistant, grey, micro-crystalline limestone
- LOWER CAMBRIAN AND EARLIER**
- 2 GOG GROUP: resistant, light grey, quartzose, fine- to coarse-grained, crossbedded sandstones, argillaceous sandstone and silty shale
- 1 MIETTE GROUP: recessive weathering, grey shales and phyllites; poorly sorted, conglomeratic sandstones and arenaceous carbonates with signal (?) structures

PRELIMINARY SERIES

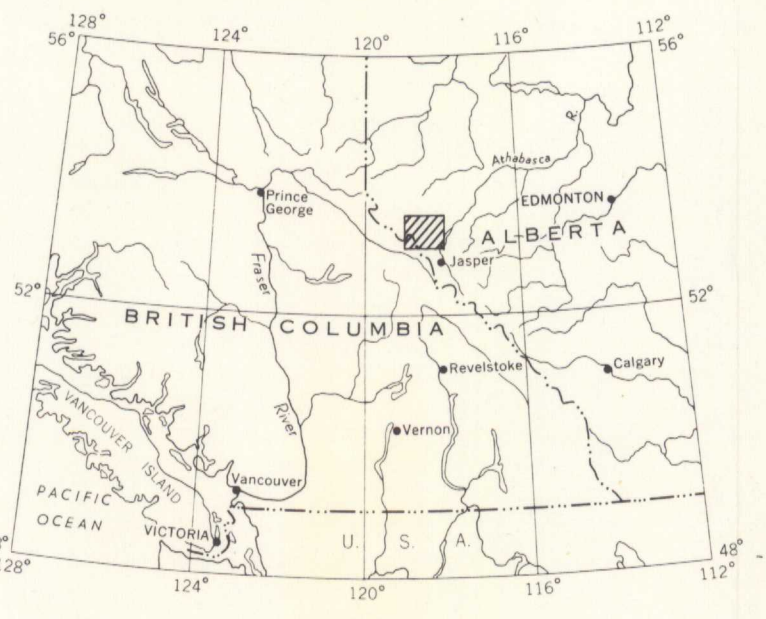


SHEET 83

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

LEGEND

- Main highway
- Road, dry weather
- Trail
- Railway
- Provincial boundary
- Township boundary
- Telephone or telegraph line
- Intermittent stream
- Foreshore flats
- Marsh
- Glacier
- Contours (interval 500 feet)
- Height in feet above mean sea-level



MAP 41-1961
TO ACCOMPANY PAPER 61-31
GEOLOGY
MOUNT ROBSON
ALBERTA-BRITISH COLUMBIA

Scale: One Inch to Two Miles = 1/126,720
Miles

Geographical names subject to revision

ESIC CIST
OCT 8 1966
Earth Sciences Sector
Secteur des sciences de la Terre

MAP LIBRARY / CARTOTHEQUE

Department of Mines & Technical Surveys
GEOGRAPHICAL
OCT 27 1964
BRANCH
MAP LIBRARY

Cartography by the Geological Survey of Canada, 1962

MAP 41-1961
MOUNT ROBSON
ALBERTA-BRITISH COLUMBIA
SHEET 83

G
3401
.C5
1956
GH
omvsc

612 cap c