

**LEGEND**

**QUATERNARY AND RECENT**

- Ice
- Qd Alluvium, colluvium, fill
- Qls Landfill debris
- Qmr Megalacial moraines
- Qrg Rock glacier

**CRETACEOUS**

**UPPER CRETACEOUS**

- KBz-u Upper part sandstone, mudstone, siltstone, conglomerate
- KBz-l Lower part sandstone, mudstone, siltstone, conglomerate
- ALBERTA GROUP (Kkb - Kwp)
- Kwb WAPIABI FORMATION (Kwap - Kwb) shale, siltstone, minor sandstone
- Kwsh Highwood Sandstone Member: sandstone
- Kca CARDIUM FORMATION: sandstone, siltstone, shale, conglomerate
- Kbl BLACKSTONE FORMATION: shale, siltstone

**LOWER CRETACEOUS**

- KBMC BLAIRMORE GROUP (KCB - KBMC)
- BEAVER MINES AND MILL CREEK FORMATIONS: sandstone, siltstone, mudstone, conglomerate
- KCA CADOMIN AND GLADSTONE FORMATIONS: siltstone, sandstone, conglomerate, minor limestone

**JURASSIC AND CRETACEOUS**

**UPPER JURASSIC AND LOWER CRETACEOUS**

- JJK KOOTENAY GROUP: sandstone, siltstone, coal, mudstone

**JURASSIC**

- JF FERNIE FORMATION: shale, minor sandstone

**TRIASSIC**

- Twh WHITEHORSE FORMATION: dolomite, siltstone, sandstone, mudstone
- TSM SULPHUR MOUNTAIN FORMATION: siltstone, shale

**CARBONIFEROUS AND PERMIAN**

**UPPER CARBONIFEROUS AND PERMIAN**

- CPFM ROCKY MOUNTAIN SUPERGROUP: quartz sandstone, dolomite, sandstone

**CARBONIFEROUS**

**LOWER CARBONIFEROUS**

- CEI ETHERINGTON FORMATION: limestone, dolomite, shale, dolomitic sandstone
- CMH-u MOUNT HEAD FORMATION (CmH - CMH-u) Upper part: argillaceous limestone, shale, limestone
- CMH-l Lower part: limestone, siltstone, silty limestone
- CLV LIVINGSTONE FORMATION: limestone, dolomite
- CSH SHUNDIA FORMATION: limestone, argillaceous limestone, dolomite
- CPK PEKIKO FORMATION: limestone
- CBF BANFF FORMATION (upper part, western facies): limestone, dolomite

**DEVONIAN AND CARBONIFEROUS**

**UPPER DEVONIAN AND LOWER CARBONIFEROUS**

- DCEB EXSHAW AND BANFF FORMATIONS (lower part, western facies): chert, shale, argillaceous carbonates, siltstone
- DCEB EXSHAW AND BANFF FORMATIONS (eastern facies): silty limestone, calcareous siltstone, shale, siltstone

**DEVONIAN**

**UPPER DEVONIAN**

- DPa PALLISER FORMATION (DPa-d - DPa) Limestone
- DPa-d In fault diplices
- DSa SASSENACH FORMATION: sandstone, shale
- DSa ALEXO FORMATION: dolomite, dolomitic siltstone, shale
- Fairholme Group (DPM, off reef facies)
- DPM PERDRIX AND MOUNT HARK FORMATIONS: calcareous shale, argillaceous limestone, shale
- DSa FAIRHOLME GROUP (Dc, Ds, reef facies)
- DSa SOUTHEK FORMATION: dolomite
- DCa CARM FORMATION: dolomite, minor argillaceous limestone, locally includes thin lenses of Yaholme Formation at base
- DYt YAHOLME FORMATION: dolomite, mudstone, sandstone

**MIDDLE AND UPPER DEVONIAN**

- Dc Basal Devonian Unit: dolomite, shale, sandstone

**ORDOVICIAN AND SILURIAN**

- OSB BEAVERFOOT FORMATION: dolomite

**CAMBRIAN**

**MIDDLE CAMBRIAN**

- CAr ARCTOMYS FORMATION: shale, dolomitic siltstone, dolomite
- CPk PIKA FORMATION: limestone, dolomite
- CEI ELDON FORMATION: limestone, dolomite
- CSs STEPHEN FORMATION: shale, limestone
- CCa CATHEDRAL FORMATION: limestone, dolomite
- CPE PIKA AND ELDON FORMATIONS, undivided
- CCS CATHEDRAL AND STEPHEN FORMATIONS, undivided

**SOURCES OF INFORMATION**

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**Geological boundary (defined, assumed)**

**Fault (color circle indicates downthrow side; defined, assumed)**

**Fault, thrust or reverse (teeth indicate upthrust side; defined, assumed)**

**Fault, normal (defined)**

**Anticline, trace of axial plane (fold upright, overturned; defined)**

**Syncline, trace of axial plane (fold upright, overturned; defined)**

**Monocline (defined)**

**Dotted line denotes change in mapping period: Stratigraphic subdivisions are amalgamated at dotted line**

**Geological compilation by M.E. McMechan, 1993**

Digital cartography by D.A. Laney, Institute of Sedimentary and Petroleum Geology, Geological Survey of Canada

Any revisions or additional geological information known to the user would be welcomed by the Geological Survey of Canada

Digital base maps at the scale of 1:50 000 from Geomatics Canada, Department of Natural Resources Canada, assembled and modified for publication by the Geological Survey of Canada

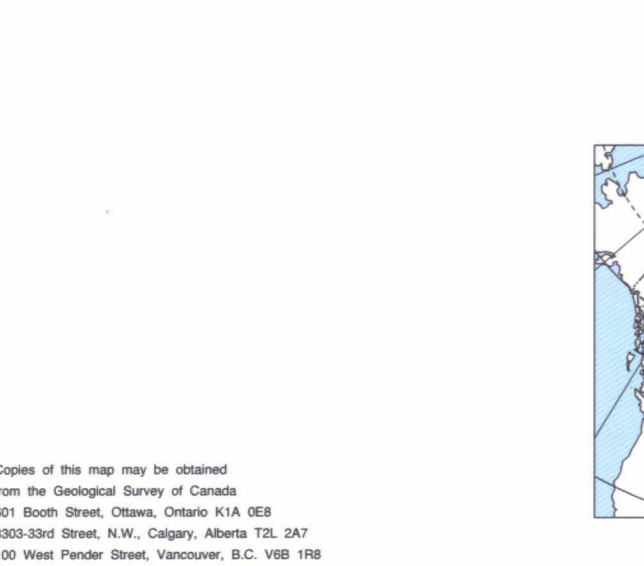
Copies of the topographical editions covering this map area may be obtained from the Canada Map Office, Department of Natural Resources Canada, Ottawa, Ontario, K1A 0G8

Approximate magnetic declination 1995, 19'53" East, decreasing 7.2" annually

Elevations in feet above mean sea level

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Recommended citation: McMechan, M.E. 1995. Geology, Rocky Mountain Foothills and Front Ranges in Kananaskis Country, Alberta. Geological Survey of Canada, Map 1865A, scale 1:100 000



MAP 1865A  
GEOLOGY  
**ROCKY MOUNTAIN FOOTHILLS AND FRONT RANGES IN KANANASKIS COUNTRY**  
WEST OF FIFTH MERIDIAN  
ALBERTA  
Scale 1:100 000 - Echelle 1:100 000  
Kilometers / Miles

