LEGEND

CENOZOIC

TERTIARY
PALEOCENE
Tpa Z — PASKAPOO FORMATION: sandstone, mudstone, siltstone, conglomerate (nonmarine)

MESOZOIC

CRETACEOUS
UPPER CRETACEOUS
Kbzu Y — BRAZEAU FORMATION (upper part): sandstone, mudstone, siltstone, conglomerate (nonmarine)
Kbzl X — BRAZEAU FORMATION (lower part): sandstone, mudstone, siltstone, conglomerate (nonmarine)
ALBERTA GROUP
Kwp W — WAPIABI FORMATION: shale, siltstone and minor sandstone (marine)
Kcbl V — CARDIUM and BLACKSTONE FORMATIONS: shale, sandstone and minor conglomerate (marine)
LOWER CRETACEOUS
BLAIRMORE GROUP
Kbmc U — BEAVER MINES and MILL CREEK FORMATIONS: sandstone, mudstone, siltstone and conglomerate (nonmarine)
Kblb T — CADOMIN FORMATION and LOWER BLAIRMORE: sandstone, shale, siltstone and conglomerate (nonmarine)
Kbl 2 — BLAIRMORE GROUP (undivided)
JURASSIC AND (?)CRETACEOUS
UPPER JURASSIC AND (?)LOWER CRETACEOUS
JKk S — KOOTENAY FORMATION: sandstone, shale, siltstone and coal (nonmarine and minor marine)
JURASSIC
Jf R — FERNIE FORMATION: shale and sandstone (marine)
TRIASSIC
Tst Q — SPRAY RIVER GROUP: siltstone, sandstone, mudstone, shale and dolomite (marine)

PALEOZOIC

MISSISSIPPIAN, PENNSYLVANIAN AND PERMIAN
MPBu O — MOUNT HEAD and ETHERINGTON FORMATIONS (RUNDLE GROUP, upper part) and ROCKY MOUNTAIN GROUP: limestone and dolomite; sandstone in upper part (marine)
RUNDLE GROUP (lower part)
Mlv N — LIVINGSTONE FORMATION (includes PEKISKO, SHUNDA and TURNER VALLEY FORMATIONS): limestone and dolomite (marine)
MPEu P — RUNDLE GROUP (undivided), PENNSYLVANIAN, PERMIAN (marine)
Mbf M — EXSHAW and BANFF FORMATIONS: limestone, shale and dolomite (marine)
DEVONIAN
UPPER DEVONIAN
Dag L — ALEXO/SASSENACH and PALLISER FORMATIONS: limestone and dolomite (marine)
FAIRHOLME GROUP
Df K — CAIRN, FLUME, SOUTHESK and MOUNT HAWK FORMATIONS: dolomite and minor limestone (includes YAHATINDA FORMATION at base) (marine)
ORDOVICIAN
O J — OUTRAM, TIPPERARY QUARTZITE and SKOKI FORMATIONS: limestone, dolomite, sandstone and siltstone (marine)
CAMBRIAN AND ORDOVICIAN
CO I — SURVEY PEAK FORMATION: shale and limestone (marine)
CAMBRIAN
MIDDLE and UPPER CAMBRIAN
Cl g — LYNX GROUP
WATERFOWL, SULLIVAN, LYELL, BISON CREEK and MISTAYA FORMATIONS: limestone, shale, dolomite and minor siltstone and sandstone (marine)
Ccu H — CHANCELLOR FORMATION (middle and upper parts): slate, limestone and dolomite (marine)
Celx G — ELDON FORMATION TO LYNX GROUP (undivided)
Cel F — CHANCELLOR FORMATION (lower part): limestone, slate and dolomite (marine)
MIDDLE CAMBRIAN
Cepa B — ELDON, PIKA and ARCTOMYS FORMATIONS: limestone, dolomite and shale (marine)
Cwcs C — MOUNT WHYTE, CATHEDRAL and STEPHEN FORMATIONS: limestone, dolomite and shale (marine)
LOWER CAMBRIAN
Cg B — GOG GROUP
Sandstone, siltstone and shale (marine)

PROTEROZOIC

WINDERMERE (HADRYNIAN)
Pmi A — MIETTE GROUP
Sandstone, slate and conglomerate (marine)

Note 1 – Unmapped
Note 2 – Landslide deposits

Geological boundary (defined, assumed) .....
Facies boundary (approximate) .....
Thrust fault (teeth on upthrust side; defined, assumed) .....
Gravity fault (pins on downthrown side; defined, assumed) .....
Fault, actual movement unknown (defined, assumed) .....
Anticline, surface trace of axial surface (defined, assumed) .....
Syncline, surface trace of axial surface (defined, assumed) .....
Anticline/Syncline (overturned) .....

Geological compilation by N. C. Ollerenshaw 1973-74

Based on published maps of the Geological Survey of Canada and field work by N. C. Ollerenshaw, 1962-1971

Approximate magnetic declination 1975, averages 22° easterly

Elevations in feet above mean sea-level at contour interval of 500 feet

Note: The single letter symbols used to designate rock units on the map correspond to the letters in the lower right corners of the legend blocks. E.g. R on the map is the Fernie Formation.

RELIABILITY DIAGRAM - CROQUIS D'EXACTITUDE

A. Large scale maps, photogrammetric, published 1956-63
B. Large scale maps, photogrammetric, revised with aerial photographs taken in 1963.
C. Large scale map, revised with aerial photographs taken in 1955.
D. Detail maps, photogrammetric, published 1951-63

A. Cartes à grande échelle, photogrammétriques, publiées en 1956-63.
B. Cartes à grande échelle, photogrammétriques, revisées d'après des photographies aériennes prises en 1963.
C. Cartes à grande échelle revisées d'après des photographies aériennes prises en 1955.
D. Cartes détaillées par photogrammétrie, publiées en 1951-63.

Derived, 1964, by the SURVEYS AND MAPPING BRANCH, DEPARTMENT OF ENERGY, MINES AND RESOURCES.
Printed 1967

Magnetic declination 1964 varies from 27°W easterly at centre of west edge to 22°28' easterly at centre of east edge. Mean annual change 3.4' westerly.

Roads: Routes:
hard surface, all weather ..... pavée, toute saison .....
loose or stabilized surface, all weather ..... gravier aggloméré, toute saison .....
loose surface, dry weather ..... de gravier, période sèche .....
wagon, cart track ..... chemin de terre .....
trail or portage ..... sentier ou portage .....

CALGARY

ALBERTA - BRITISH COLUMBIA

WEST OF FIFTH MERIDIAN - OUEST DU CINQUIÈME MÉRIDIEN

Scale 1:250,000 Échelle

Miles 5 0 5 10 15 20 25 30 Miles
Kilometres 5 0 5 10 15 20 25 30 Kilometres

Transverse Mercator Projection
North American Datum, 1927
Contour Interval 500 feet
Elevations in feet above Mean Sea Level

Projection Transverse de Mercator
Niveau de référence nord-américain, 1927
Equidistance des courbes: 500 pieds
Élevations en pieds au-dessus du niveau moyen de la mer

Copies may be obtained from the Map Distribution Office, Department of Energy, Mines and Resources, Ottawa.

Ces cartes sont en vente au Bureau de distribution des cartes, ministère de l'Energie, des Mines et des Ressources, Ottawa.

Établie en 1964, par la DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES.
Imprimée en 1967.

La déclinaison magnétique pour 1964 varie de 27°W. Est au centre de la limite Ouest à 22°28' Est au centre de la limite Est. Variation moyenne annuelle 3.4' Ouest.

N. C. OLLERENSHAW
DEC. 1973
To
DEC. 1974

NOTE This Kootenay Formation outcrops above the Burnt Timber Thrust and in the Limestone Mountain Culmination.

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