



LEGEND KANANASKIS LAKES, W4 (NTS 82J, W4)

- QUATERNARY**
PLEISTOCENE AND RECENT
 Q1a Landslide
 Qd Till, alluvium (shown in southwest part of map)
- CRETACEOUS**
UPPER CRETACEOUS
 Kdr BRAZEAU FORMATION: sandstone, mudstone
 Kw WAPIABI FORMATION: shale, siltstone, sandstone
LOWER CRETACEOUS
 Kd BLAIRMORE GROUP Sandstone, siltstone, mudstone, conglomerate
 Kl Siltstone, sandstone, mudstone, conglomerate (Upper Albian; Stanford Range)
- JURASSIC AND (?) CRETACEOUS**
 Jk KOOTENAY FORMATION: sandstone, shale, siltstone; coal
- JURASSIC**
 Jf FERNIE GROUP: shale, siltstone, sandstone; limestone
- TRIASSIC**
 Spray River Group
 Tr Siltstone, mudstone, shale; sandstone and dolomite in upper part
- PERMIAN AND PENNSYLVANIAN**
 Rocky Mountain Group
 Ppm Quartz sandstone, dolomitic sandstone, silty dolomite; chert; phosphorite
- MISSISSIPPIAN**
 Rundle Group
 Mre STEUBINGTON FORMATION: light grey limestone, dolomite; siltstone
 Mr Undivided
 Mrh MOUNT HEAD FORMATION: dark limestone, argillaceous limestone, light grey limestone, dolomite
 Mcl LIVINGSTONE FORMATION: light grey limestone, commonly skeletal and micritic, cherty in part; dolomite
 Eshan and Banff Formations: limestone, shale; siltstone, dolomite; chert
- DEVONIAN**
UPPER DEVONIAN
 Dp FALLISER FORMATION: limestone, dolomite
 Ds SASSENACH FORMATION: sandstone, siltstone; mudstone, dolomite. Shown only locally, though Sassenach/Alexo Formations are coextensive with Falliser Formation-Fairholme Group
 DE FAIRHOLME GROUP Dolomite, limestone, argillaceous limestone, shale. Includes Sassenach/Alexo Formations, above, Yahatinda Formation and Basal Devonian Unit, below. Where not shown separately, Mount Hawk Formation (shale facies of upper part of Fairholme Group) occurs in the Sundance Range and southward through Mt. Joffre and along Bull River.
 DU Undivided: Shale, limestone, siltstone. Includes Fairholme and (?) equivalents of younger formations. Lussier River.
MIDDLE AND/OR UPPER DEVONIAN
 Db Basal Devonian Unit: sandstone, dolomite; mudstone, solution breccia, gypsum. Includes Sollebeke Formation, in part, and Yahatinda and other Middle Devonian formations, in part.
MIDDLE DEVONIAN
 Dm CEDARED, BURMIS AND HARBORCAT FORMATIONS: dolomite, sandstone, argillaceous dolomite, solution breccia, gypsum, argillaceous limestone, shale
- ORDOVICIAN AND SILURIAN**
UPPER ORDOVICIAN AND LOWER SILURIAN
 Ob BEAVERFOOT FORMATION: dolomite; limestone. (Includes Tegar Formation in Western Ranges)
ORDOVICIAN
UPPER AND (?) MIDDLE ORDOVICIAN
 Omw MOUNT WILSON FORMATION: quartzite, quartz sandstone
 Osb BEAVERFOOT, MOUNT WILSON AND SKOKI FORMATIONS Undivided
MIDDLE ORDOVICIAN
 Os SKOKI FORMATION: dolomite, limestone, (includes Owen Creek Formation)
 Ot TIPPERARY FORMATION: quartzite, sandstone
 Oyt TIPPERARY AND GLENOGLE FORMATIONS Undivided
LOWER AND MIDDLE ORDOVICIAN
 Og GLENOGLE FORMATION: shale, siltstone, argillaceous limestone, sandstone
- CAMBRIAN AND ORDOVICIAN**
UPPER CAMBRIAN AND LOWER ORDOVICIAN
 Cosp SURVEY PEAK FORMATION: shale, limestone. (Includes Outram Formation)
CAMBRIAN
UPPER CAMBRIAN
 Cm MISTATA FORMATION: limestone, commonly stromatolitic
 Ccm MCKAY GROUP: Shale, limestone
 Cbc BISON CREEK FORMATION: shale, limestone
 Ccm MCKAY GROUP: Shale and limestone
 Cl LEVEL FORMATION: limestone and dolomite, silty in part
 Cs SULLIVAN FORMATION: shale, limestone
MIDDLE AND UPPER CAMBRIAN
 Caw ARCTOMYS AND WATERFOWL FORMATIONS: dolomite; siltstone, mudstone, limestone
MIDDLE CAMBRIAN
 Cep ELDON AND PIKA FORMATIONS: limestone, dolomite
 Cst STEPHEN FORMATION: shale, limestone
 Cc CATHEDRAL FORMATION: limestone, dolomite
 Cmw MOUNT WHITE FORMATION (includes Naiset Formation): shale, limestone, siltstone
LOWER CAMBRIAN
 Cgg GOG GROUP siliceous sandstone and quartzite; siltstone
 Cg
- WINDERMERE (HADRYNIAN)**
 Hm MIETTE GROUP Sandstone, argillite, quartz-pebble conglomerate
- WINDERMERE (HADRYNIAN)**
 Hec HORSETHIEF CREEK GROUP Argillite, quartz-pebble conglomerate; sandstone, siltstone; limestone
 He TOBY FORMATION: conglomerate (clasts pebble to boulder size), pebbly mudstone
- PURCELL (HELIKIAN)**
 Hmi MOVIE INTRUSIONS: quartz diorite and diorite
 Hm MOUNT NELSON FORMATION: argillite, dolomite, quartzite, limestone
 Hdc DUTCH CREEK FORMATION: argillite, dolomite in part, siltstone, dolomite, quartzite
 Hgr ROOSEVILLE, PHILLIPS AND GATWAY FORMATIONS: undivided; argillite, siltstone, dolomite (stromatolitic or colitic in part), quartzite
 Hks KITCHENER-SIYEH FORMATION: argillite and siltstone, mostly dolomitic or calcareous, quartzite, calcareous, dolomite and argillaceous dolomite; limestone
 Hrd KITCHENER-SIYEH AND DUTCH CREEK FORMATIONS: undivided
- LOWER CAMBRIAN**
 Hc CRESTON FORMATION: siltstone, quartzite, argillite; predominantly grey and green, weathering grey and green
 Ha ALDRIDGE FORMATION: siltstone, quartzite, argillite; predominantly shades of grey, weathering grey and rusty
- PALAEZOIC AND/OR YOUNGER**
 DI Diatreme breccia
 CI Cross River dioritic sill
 BI White River diabasic sill complex; associated breccia (diatreme) dykes
 A Bull River amygdaloid
- MINERAL OCCURRENCES**
 F(D) Fluorite (associated radioactivity)
 Gyp Gypsum
 Mg Magnetite

THE DECLINATION OF THE COMPASS NEEDLE 1959
DECLINAISON MAGNETIQUE EN 1959

SCALE 1:126,720

KANANASKIS LAKES

OPEN FILE
DOSSIER PUBLIC
634
GEOLOGICAL SURVEY
COMMISSION GEOLOGIQUE
OTTAWA

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