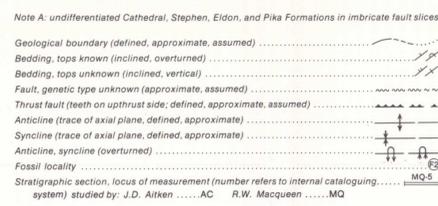




LEGEND

- CENOZOIC**
- QUATERNARY**
PLEISTOCENE AND RECENT
Qd Till, alluvium, colluvium
- CRETACEOUS**
UPPER CRETACEOUS
Kbz BRAZEALU FORMATION: greenish grey and grey, feldspathic sandstone and siltstone; rubby green and grey mudstone; local pebble conglomerate; minor coal and bentonite
Kwp ALBERTA GROUP
WAPIABI FORMATION: silty, dark grey shale and mudstone, typically platy, locally calcareous or concretionary; laminated siltstone; medium to dark grey, argillaceous siltstone and sandstone; minor pebble layers and bentonite seams
Kcr CARDIUM FORMATION: very fine to fine grained, grey sandstone; grey to dark grey siltstone and argillaceous siltstone; dark grey shale (locally concretionary); minor pebble layers and conglomerate lenses
Kbk BLACKSTONE FORMATION: dark grey shale, including silty shale, calcareous shale and concretionary shale; grey to dark grey siltstone; minor sandstone, bentonite seams and pebble layers
- LOWER CRETACEOUS**
BLAIRMORE GROUP
Kbm BEAVER MINES FORMATION: massive, coarse grained, greenish grey sandstone, siltstone and rubby mudstone; minor grey and black shale; minor reddish grey mudstone; minor conglomerate
Klbt LOWER BLAIRMORE: grey siltstone and sandstone, commonly calcareous and thin bedded; grey and black shale; grey limestone; minor coal seams. Includes light yellowish grey sandstone and minor pebbly sandstone of the Cadomin Formation at the base
- MESOZOIC**
- JURASSIC AND (?) CRETACEOUS**
JKk KOOTENAY FORMATION: grey and black, commonly carbonaceous and limonitic sandstone; grey and black siltstone; black, carbonaceous shale; minor coal
- JURASSIC**
FERNIE GROUP
Jf Dark grey to black shale; dark grey siltstone and sandstone; dark grey, platy, silty, argillaceous limestone; brown, limonitic, quartz sandstone
- TRIASSIC**
SPRAY RIVER GROUP (Tsm - Twh)
Twh WHITEHORSE FORMATION: light grey, dolomitic siltstone and sandstone; red, green, and brown mudstone and siltstone; limestone and dolomite breccia
Tsm SULPHUR MOUNTAIN FORMATION: dark grey and brown, thin-bedded siltstone, silty mudstone, shale, and dolomitic siltstone
- PERMIAN AND PENNSYLVANIAN**
ROCKY MOUNTAIN GROUP
PPrm Light grey quartz sandstone, dolomitic sandstone, silty dolomite; chert
- MISSISSIPPIAN**
RUNDLE GROUP (Mlv - Msh)
Met ETHERINGTON FORMATION: light grey limestone, cherty limestone, and calcarenitic limestone; dolomite, cherty dolomite, green and red shale; siltstone; breccia
Mmh MOUNT HEAD FORMATION: dense dark grey limestone and argillaceous dolomite; grey limestone and calcarenitic limestone; cherty and silty dolomite and limestone
Mtv TURNER VALLEY FORMATION: light grey skeletal calcarenite and calcarenitic limestone; cherty limestone; dolomite
Msh SHUNDA FORMATION: light to dark grey dense limestone, calcarenitic limestone, and cherty limestone
Mpk PEKISKO FORMATION: light grey skeletal calcarenite, calcarenitic limestone, cherty limestone, and dolomite
Mbfu Upper part: dark grey, cherty, argillaceous and dolomitic limestone and calcarenitic limestone, and brownish grey argillaceous dolomite
Mbfm Middle part: light to dark grey skeletal calcarenite, calcarenitic limestone, and argillaceous and dolomitic limestone
Mblf Lower part: dark grey and brownish grey shale and calcareous shale; brown argillaceous siltstone; argillaceous and cherty limestone
- PALEOZOIC**
- DEVONIAN**
UPPER DEVONIAN
Dpa PALLISER FORMATION: thickly bedded and massive, mottled dolomitic limestone; grey dense limestone; greyish brown dolomite
Dax ALEXO FORMATION: thinly bedded silty dolomite, dolomitic sandstone, light grey dolomite, and breccia
Dsx FAIRHOLME GROUP (Dsn - Dsx)
Dsn SOUTHSK FORMATION: massive to thickly bedded, light to medium grey, finely to coarsely crystalline dolomite; greyish brown finely to coarsely crystalline dolomite
Dca CAIRN FORMATION: massive to thickly bedded, dark brownish grey and grey, medium crystalline dolomite with Amphipora and stromatopora beds; dark grey limestone, dolomitic limestone and dolomite in the lower part; minor chert and breccia; includes channel-filling red beds (Yahatindia Formation) locally at base
- CAMBRIAN**
UPPER CAMBRIAN
LYNX GROUP
Cku UPPER DIVISION: dolomite, mainly grey, locally tinged or speckled with pink, very finely crystalline, grading to dolomitic siltstone, laminated; thickly bedded to massive
Csu SULLIVAN FORMATION: interbedded grey silty dolomitic shale and grey to brown silty dolomite, grading to dolomitic siltstone
Ckf MIDDLE AND UPPER CAMBRIAN WATERFOWL FORMATION: grey to pink very fine to micro-crystalline silty dolomite, dolomitic siltstone, chert nodules
- MIDDLE AND UPPER CAMBRIAN**
LYNX GROUP (Cku - Csu)
Cku (undivided)
- MIDDLE CAMBRIAN**
Ccar ARCTOMYS FORMATION: thinly interbedded, purple-red, green, and grey shale; yellow dolomitic siltstone with ripple marks, mud cracks, and salt casts; and minor yellow-weathering dolomite
Cpk PIKA FORMATION: grey, dense, thin-bedded, flaggy limestone with partings and mottling of dense dolomite; limestone pebble conglomerate; oolite, dolomitized equivalents; minor shale intervals near the base
Cel ELDON FORMATION: dense, predominantly grey, dolomite-mottled, massive limestone; dolomitized equivalent
Cst STEPHEN FORMATION: interbedded grey to green shale and limestone, partly dense, partly fragmental, minor oolitic; minor siltstone
Cca CATHEDRAL FORMATION: limestone, predominantly dense, dolomite-mottled, massive; dolomitized equivalent
Cmw MOUNT WHYTE FORMATION: interbedded grey to green shale and grey dense thin-bedded limestone with dolomite partings and mottlings. As mapped, locally includes interbedded shale and glauconitic sandstone (Gag Group) at base
- MIDDLE (?) AND LOWER CAMBRIAN**
GGG GROUP
GGG Quartz sandstone; siltstone; shale (occurs in structure sections only)



INDEX TO FOSSIL LOCALITIES BY GSC CATALOGUE NUMBER

F1	58857
F2	60995-62036, 62057-62091
F3	52570

Geology in mountains southwest of McConnell thrust by R.A. Price and E.W. Mountjoy based on studies of vertical air photographs (1964-1967), ground and air observations by J.D. Aitken, D.G. Cook, E.W. Mountjoy and R.A. Price (1964-1966) and published geological maps

Geology in foothills northeast of McConnell thrust by N.C. Ollerenshaw based on detailed ground observations and studies of vertical air photographs by N.C. Ollerenshaw (1963-1966)

Geological compilation by R.A. Price and N.C. Ollerenshaw

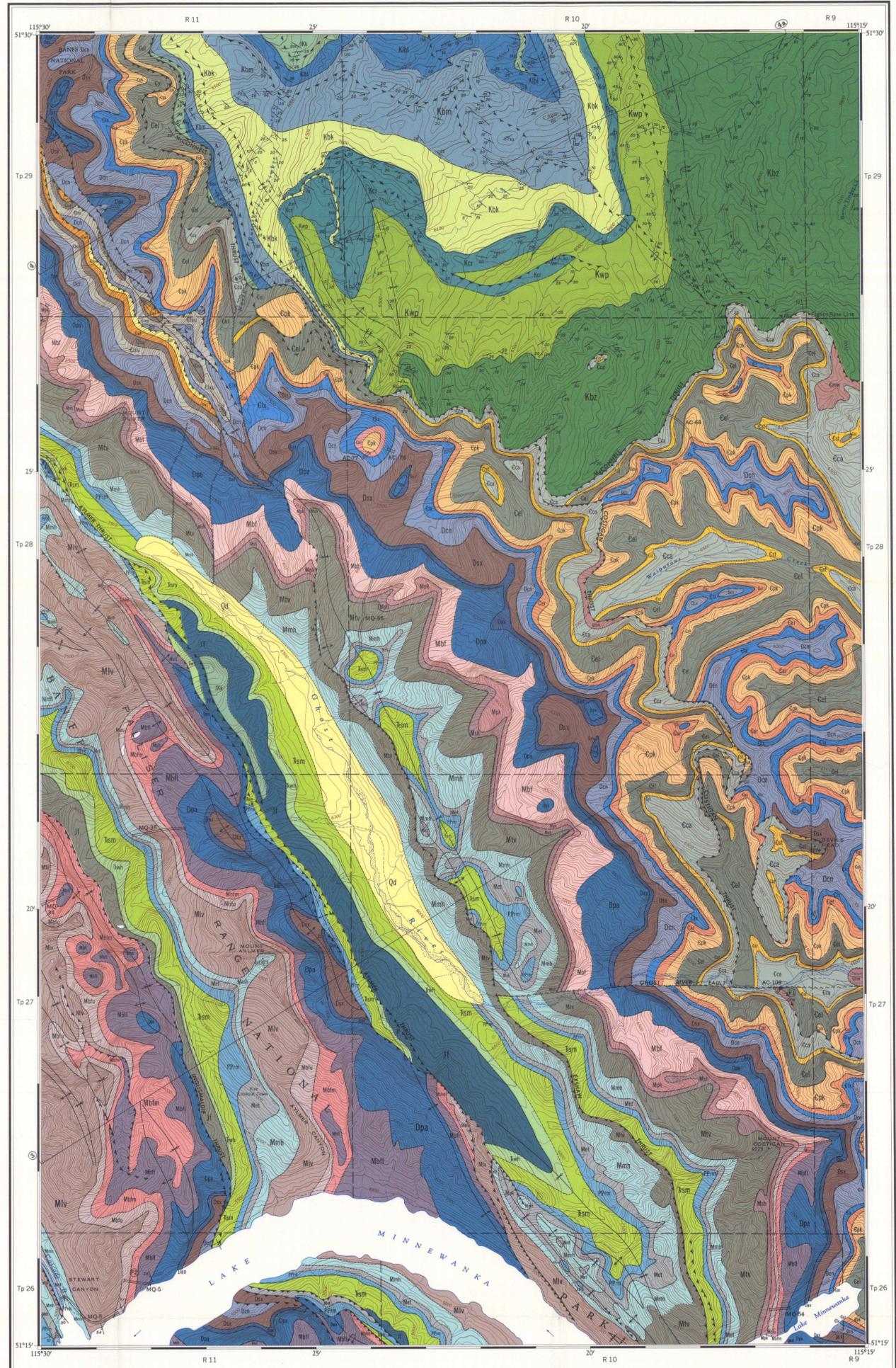
Geological cartography by the Geological Survey of Canada

Base-map at the same scale published by the Surveys and Mapping Branch in 1958

Copies of the topographical edition of this map may be obtained from the Map Distribution Office, Department of Energy, Mines and Resources, Ottawa

Approximate magnetic declination 1969, 22°15' East decreasing 3.5' annually

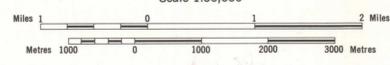
Elevations in feet above mean sea-level



Published, 1971
Copies of this map may be obtained from the Geological Survey of Canada, Ottawa



MAP 1272A
GEOLOGY
LAKE MINNEWANKA
(WEST HALF)
WEST OF FIFTH MERIDIAN
ALBERTA
Scale 1:50,000



82 0/12	82 0/11	82 0/10
82 0/9	82 0/8	82 0/7
82 0/4	1266A 1265A	82 0/2

NATIONAL TOPOGRAPHIC SYSTEM REFERENCE AND INDEX TO GEOLOGICAL SURVEY OF CANADA MAPS

NOT TO BE TAKEN FROM LIBRARY
NE PAS SORTIR DE LA BIBLIOTHÈQUE

Map 1272A
LAKE MINNEWANKA
(West Half)
ALBERTA