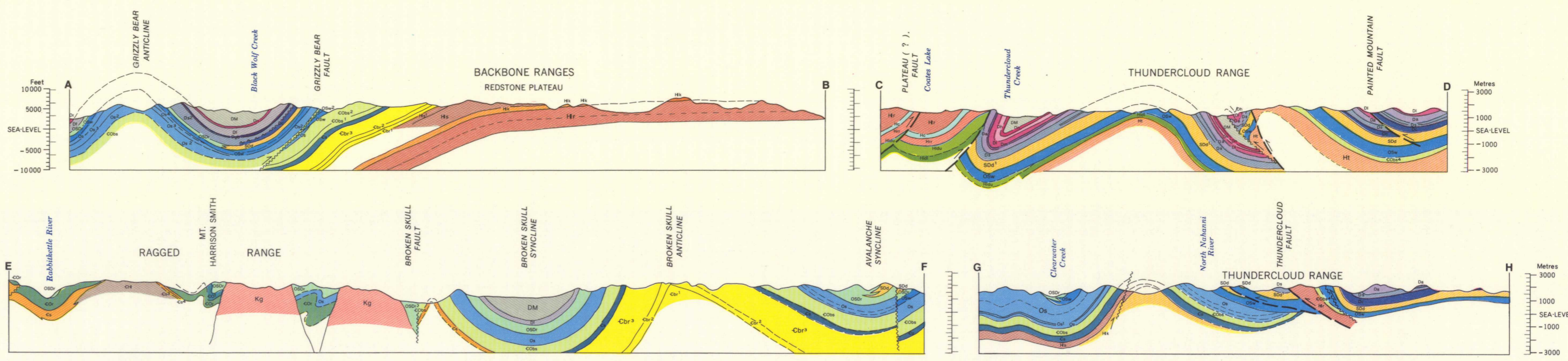


LEGEND

Note: this legend is common to maps 1313A, 1314A and 1315A.

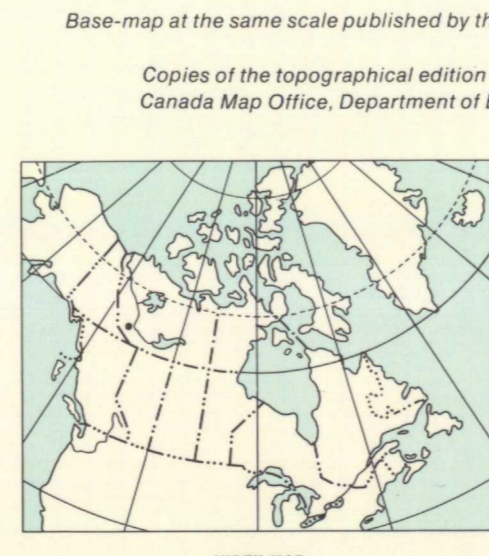
- PLEISTOCENE AND RECENT**
Q Unconsolidated glacial and alluvial deposits
- CRETACEOUS (?)**
Kj Quartz monzonite, granodiorite; minor granite and diorite; 1, hornblende diorite; 2, rusty weathering granodiorite
- DEVONIAN AND MISSISSIPPIAN (?)**
DM Black, pyritic shale; green, grey and maroon siltstone and sandstone; thin-bedded, black, argillaceous limestone
- DEVONIAN**
MIDDLE DEVONIAN, GIVETIAN
Dn NAHANNI FORMATION: resistant, fine- to medium-grained light grey weathering limestone
Dh HEADLESS FORMATION: buff-brown, argillaceous, platy limestone; minor shale; highly fossiliferous; commonly recessive
MIDDLE DEVONIAN, EIFELIAN AND GIVETIAN (?)
DI LANDRY FORMATION: cryptogained to medium-grained grey limestone; commonly forms banded outcrops; 1, undivided Di and Dn
MIDDLE DEVONIAN, EIFELIAN
Dm MANETOE FORMATION: cream and light grey, coarse-grained, cavernous dolomite; cryptogained limestone
Dna NATLA FORMATION: thin-bedded sooty limestone; light grey crinoidal limestone; 1, light grey crinoidal limestone, black, recessive, platy limestone; 2, includes Di and Dn
DI FUNERAL FORMATION: buff weathering argillaceous limestone, brown and black shale; 1, includes Dn
Ddb GRIZZLY BEAR FORMATION: massive, light grey limestone and dolomite
Da ARNICA FORMATION: medium to dark grey, banded dolomite; dolomite breccia; 1, undivided Da and Da 2, BEAR ROCK FORMATION: massive, cavernous, light grey limestone and dolomite breccia
- LOWER DEVONIAN**
Ds SOMBRE FORMATION: light and medium grey, banded dolomite; silver-grey dolomite; 1, dark grey dolomite; 2, undivided Ds, Ds, Da
Dc CAMSELL FORMATION: interbedded grey and buff weathering dolomite and limestone; buff limestone breccia
- SILURIAN AND DEVONIAN**
UPPER SILURIAN AND LOWER DEVONIAN
SDd DELORME FORMATION: buff, grey and cinnamon weathering dolomite and limestone; locally includes limestone breccia in upper-part probably correlative with part of Camsell Formation; 1, includes (?) Dc
- ORDOVICIAN, SILURIAN AND LOWER DEVONIAN**
OSDr ROAD RIVER FORMATION: black, pyritic shale, locally phyllitic; thin-bedded, black, argillaceous limestone; pale olive-green, shaly limestone, grey and black chert; calcareous siltstone; black cherty dolomite; locally includes strata of Middle Devonian to Mississippian (?) age; 1, hornfels; 2, probably includes minor OSw
- ORDOVICIAN AND SILURIAN**
UPPER ORDOVICIAN AND SILURIAN
OSw WHITTAKER FORMATION: dark grey, cherty dolomite; light grey limestone commonly basal; 1, cherty, black dolomite and limestone; 2, dolomite, in part massive and reefoid
- MIDDLE ORDOVICIAN**
Os SUNBLOOD FORMATION: dark and light grey dolomite; pink, mottled limestone; orange-brown sandstone; 1, vesicular, mafic flow or flows; 2, dolomite and limestone, may include some COs; 3, grey dolomite; 4, buff, cream, grey dolomite and limestone; 5, undivided COs and Os; 6, may include OSw
- CAMBRIAN AND ORDOVICIAN**
UPPER CAMBRIAN AND LOWER ORDOVICIAN
CO Argillaceous limestone; calcareous shale; 1, undivided CO and Os
COr RABBITKETTLE FORMATION: wavy banded, silty limestone; platy impure limestone; siltstone; limestone
COBs BROKEN SKULL FORMATION: grey, buff, orange and yellow weathering dolomite and limestone, lower part variably sandy and silty; 1, basal silver-grey sandstone and sandy dolomite overlain by orange-buff weathering dolomite; 2, grey dolomite and limestone, includes Os; 3, well banded, rhythmically bedded, grey and buff-orange dolomite; 4, buff-orange dolomite, locally sandy, locally includes limestone and varicoloured shale, age uncertain
- MIDDLE CAMBRIAN**
Ca AVALANCHE FORMATION: buff, yellow, and orange weathering; cryptogained dolomite, silty dolomite, dolomite siltstone, dolomitic mudstone
Cr ROCKSLIDE FORMATION: black to orange-buff weathering; dark grey, sooty argillaceous limestone and calcareous siltstone; shale; minor sandstone, dolomite
- LOWER CAMBRIAN**
C Dark grey-brown to black calcareous argillite, slate, shale, locally pyritic; minor argillaceous limestone
- SEKWI FORMATION:** undivided; 1, limestone, calcareous siltstone; 2, sandstone, sandy and silty dolomite, dolomite, argillite; minor quartzite and impure limestone; 3, mafic volcanics, agglomerate, buff, vesicular volcanic rocks, green and maroon weathering; chlorite schist; 4, BRINTNELL MEMBER; bright yellow and orange weathering silty and sandy dolomite; grey limestone; 5, silty and sandy dolomite; minor sandstone and shale; 6, limestone and dolomite; 7, cherty calc-silicate rocks
- BACKBONE RANGES FORMATION:** undivided; 1, white, brown, pink and purple sandstone and quartzite, siltstone, slate, calcareous sandstone, slate; minor silty and sandy dolomite; 2, cryptogained, mottled, mauve, pink, banded limestone and dolomite, locally silty and sandy; minor quartzitic sandstone and brick red to purple shale; 3, pink, purple, grey and brown sandstone; siltstone; pebble conglomerate
- CAMBRIAN AND (?) HADRYNIAN**
CH 'Phyllite Unit': phyllite, slate, fine-grained quartzite, siltstone, argillite
- HADRYNIAN**
H 'Grit Unit': dark shale and slate, gritty quartzite, calcarenite, quartz-pebble conglomerate; sandstone; maroon, green and buff shale and slate; minor limestone and phyllite; 1, rusty aureole of hornfels and slightly metamorphosed unit H
Hs SHEEPBED FORMATION: recessive dark grey shale and siltstone; 1, orange and orange-brown weathering shale, argillaceous siltstone and sandstone
HK KEELE FORMATION: orange weathering, dolomitic sandstone; sandy dolomite; dolomite; 1, mafic flow east-southeast of Grizzly Bear Lake
Hr RAPITAN GROUP: mudstone, green and buff-brown siltstone; conglomeratic mudstone; conglomerate; sandstone; shale, undivided; 1, maroon weathering siltstone, slate, conglomerate, iron-formation; 2, brown-orange, buff and grey-brown weathering conglomeratic mudstone; 3, grey and green-grey weathering sandstone, siltstone and shale
- HELIKIAN (?)**
Hc COPPERCAP FORMATION: buff weathering silty limestone and calcareous siltstone; dark grey fetid limestone; black, buff, grey calcareous slate; minor limestone conglomerate
Hrr REDSTONE RIVER FORMATION: pink silty siltstone and minor shale; gypsum; gypsiferous siltstone; 1, blocky, medium-grained gabbro
- LITTLE DAL FORMATION, UPPER MEMBER:** buff, grey locally stromatolitic dolomite, orange and buff-orange weathering, locally sandy and cherty; minor laminated buff and orange weathering siltstone; conglomerate, slate; 1, sandstone, basal
Hldl LITTLE DAL FORMATION, LOWER MEMBER: well-bedded, grey, stromatolitic limestone, locally oolitic; light grey dolomite, in part cherty; minor slate; may locally include Hldu 1, mafic sill and flows; 2, hornblende diorite; 3, platy, grey-brown weathering limestone, correlation uncertain
Ht TIGONANKWEINE FORMATION: white, pink, purple quartzite; grey green, purple slate; minor brown weathering dolomite; 1, pink, purple, and white quartzite; 2, orange-brown weathering dolomite, siltstone, and shale
Hts TSEZOTENE FORMATION: grey, olive-green, purple shale, slate, phyllitic slate, quartzite; interbeds of orange-buff dolomite



Map 1314A
GEOLOGY
GLACIER LAKE
DISTRICT OF MACKENZIE
Scale 1:250,000

Geology by H. Gabrielse, J.A. Roddick, and S.L. Blusson, 1963. H. Gabrielse, S.L. Blusson, 1965-66
To accompany Memoir 366 by H. Gabrielse, J.A. Roddick and S.L. Blusson
Geological cartography by the Geological Survey of Canada
Any revisions or additional geological information known to the user would be welcomed by the Geological Survey of Canada
Base-map at the same scale published by the Army Survey Establishment, R.C.E. 1958-61

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



MINERALS

Copper	Cu
Lead	Pb
Silver	Ag
Zinc	Zn

Magnetic declination 1972 varies from 34°21' easterly at centre of west edge to 34°29' easterly at centre of east edge. Mean annual change decreasing 5.2'

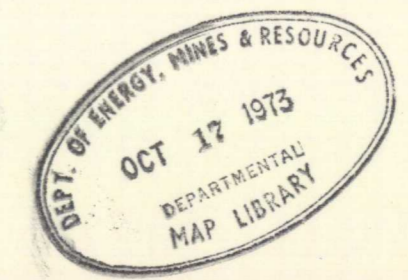
Elevations in feet above mean sea-level

Names in quotation marks are in local usage but are subject to revision

100P	95M	95N
1333A	1315A	44-1982
100I	95L	95K
6-1967	1314A	23-1961
105H	95E	95F
6-1968	1313A	22-1960

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

MAP 1314A
GLACIER LAKE
DISTRICT OF MACKENZIE



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1314A