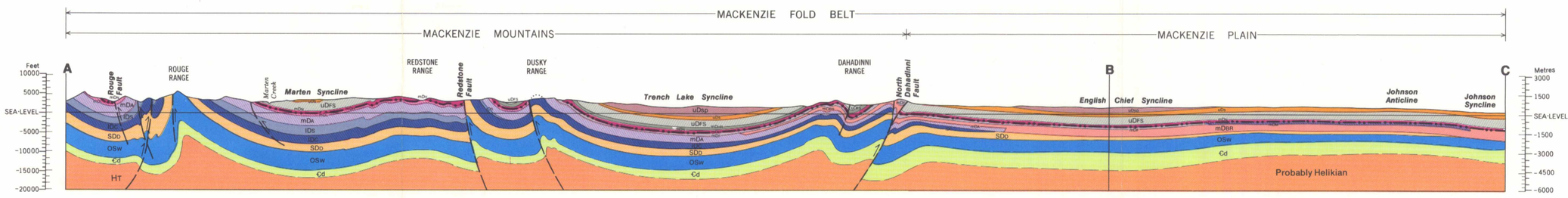
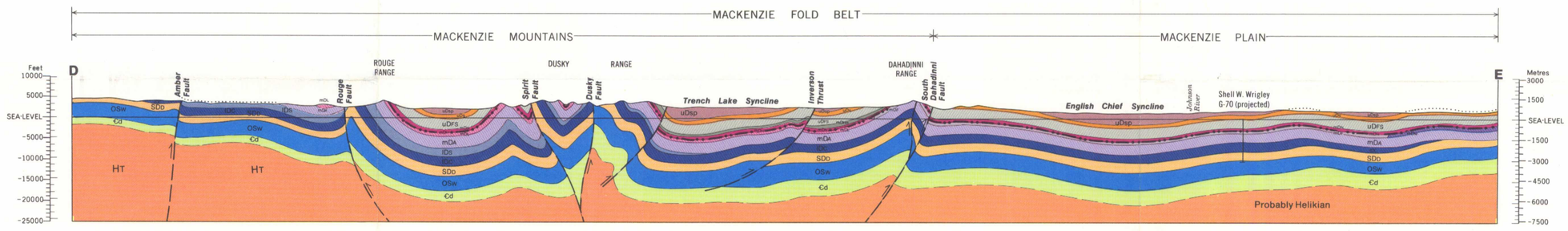
GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF ENERGY, MINES AND RESOURCES





Structure-sections along A-B-C, D-E

LEGEND

CENOZOIC

QUATERNARY
PLEISTOCENE AND RECENT

Qal — *Alluvial sands, silts and muds of Mackenzie River*

TERTIARY ?

Tcg — *Conglomerate and sandstone*

MESOZOIC

CRETACEOUS

Ksp — *Sandstone, massive to thinly bedded, coarse-grained and fine-grained, argillaceous; shale, grey, silty, micaceous and dark grey, concretionary*

DEVONIAN
UPPER DEVONIAN

uDsp — *Shale, grey, green, red; siltstone and sandstone, fine-grained, greenish grey; limestone, fossiliferous*

uDls — *Limestone, massive-bedded, reefy*

uDs — *Sandstone, calcareous, fine-grained, greenish grey; shale grey and greenish grey*

uDFS — *FORT SIMPSON FORMATION: shale and mudstone, grey; siltsone, grey (may include HORN RIVER FORMATION)*

MIDDLE DEVONIAN

mDHR — *HORN RIVER FORMATION: shale, black, pyritic, sulphur-stained*

mDN — *NAHANNI FORMATION: limestone, fine- to coarse-grained, grey, medium- to thick-bedded*

mDH — *HEADLESS FORMATION: limestone, argillaceous, grey; shale, calcareous, greyish brown*

mDL — *LANDRY FORMATION: limestone, cryptocrystalline, grey (equivalent to mDF and mDM)*

mDF — *FUNERAL FORMATION: limestone, argillaceous, fine-grained; shale, grey (equivalent to mDL and mDM)*

mDM — *MANETOE FORMATION: dolomite, coarse-grained, grey, porous (equivalent to mDL and mDF) (in structure-section)*

mDBR — *BEAR ROCK FORMATION: brecciated dolomite, fine- to medium-grained, brownish grey and limestone, fine-grained, dark grey*

mDA — *ARNICA FORMATION: dolomite, cryptocrystalline to fine-grained, banded grey and dark grey*

LOWER DEVONIAN

lDs — *SOMBRE FORMATION: dolomite, cryptocrystalline to fine-grained, banded grey and light grey; dark weathering band in middle*

lDC — *CAMSELL FORMATION: massive breccia, cryptocrystalline grey limestone, yellow- and orange-weathering*

SILURIAN AND LOWER DEVONIAN

SDo — *DELORME FORMATION: limestone and dolomitic limestone, fine-grained, grey, banded buff- and brown-weathering*

ORDOVICIAN AND SILURIAN

OSw — *WHITTAKER FORMATION: dolomite, fine-to medium-grained, grey, in part massive bedded and porous*

PROTEROZOIC

CAMBRIAN ?

Cd — *Dolomite, buff and orange, locally sandy; may include limestone and varicoloured shale (extended from adjacent map)*

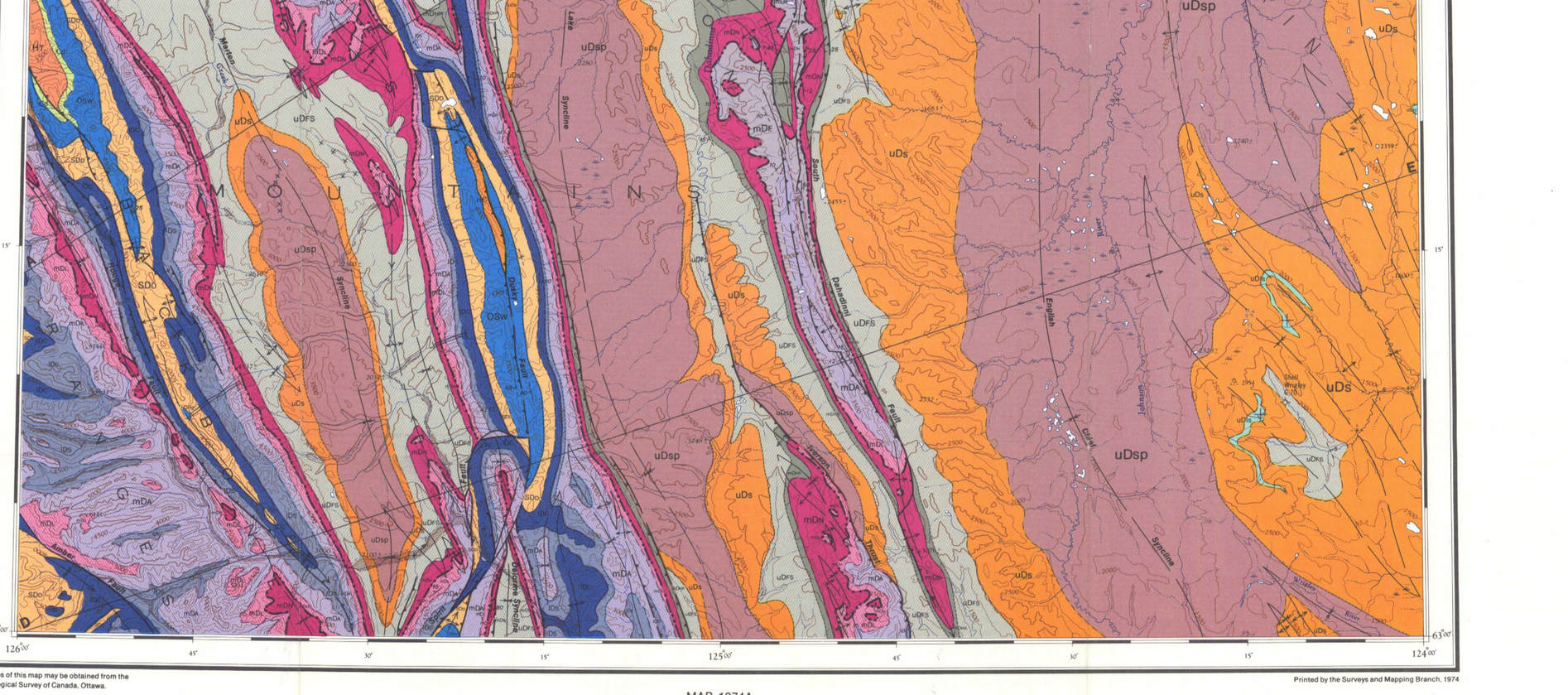
HELIKIAN

HT — *TIGONANKWEINE FORMATION: quartzite, white, pink, purple; slate, grey, green, purple (extended from adjacent map)*

HELIKIAN ? AND YOUNGER ?

HC — *Includes dolomite, fine-grained, grey to brown, sandy and sandstone, fine-grained, grey to brown, medium to coarse-grained*

Rock outcrop
Geological boundary (approximate, assumed)
Bedding, measured (horizontal, inclined, vertical)
Bedding, estimated (horizontal, inclined, vertical)
Fault
Transcurrent fault (dextral)
Thrust, reverse fault (teeth on hanging wall)
Anticline (arrow indicates plunge)
Syncline (arrow indicates plunge)
Location of measured section
Well, abandoned



Geology by W.B. Brady, R.J.W. Douglas, P. Harker, D.J. McLaren, B.R. Pelletier, D.F. Stott, 1957

Compilation by R.J.W. Douglas, 1961, 1973

Geological cartography by J.S. Yelle, 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 in 1959

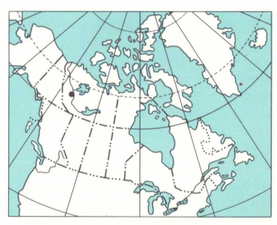
Copies of the topographical edition of this map may be obtained from the Canada Map Office, Department of Energy, Mines and Resources, Ottawa

Magnetic declination 1974 varies from 35°26' easterly at centre of west edge to 35°28' easterly at centre of east edge. Mean annual change 0.6' westerly

Elevations in feet above mean sea-level

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

Printed by the Surveys and Mapping Branch, 1974



INDEX MAP

MAP 1374A
GEOLOGY

DAHADINNI RIVER

DISTRICT OF MACKENZIE

Scale 1:250,000

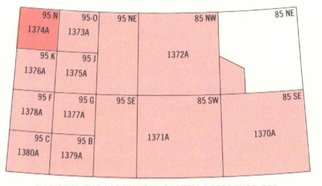
Miles 4 0 4 8 12 Miles
Kilometres 6 0 6 12 18 Kilometres

Universal Transverse Mercator Projection

© Crown Copyrights reserved

LIBRARY / BIBLIOTHÈQUE
APR 10 1975
GEOLOGICAL SURVEY
COMMISSION GÉOLOGIQUE

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



NATIONAL TOPOGRAPHICAL SYSTEM REFERENCE FOR GEOLOGICAL MAPS OF OPERATION MACKENZIE

MAP 1374A
DAHADINNI RIVER
DISTRICT OF MACKENZIE

1374 A

1374A

This map has been produced from a scanned version of the original map
Reproduction par numérisation d'une carte sur papier