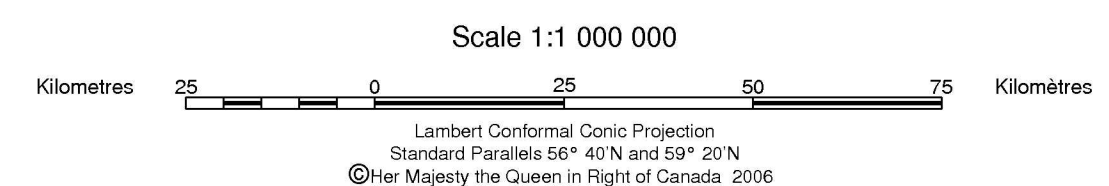


Copy of this map may be obtained from the Geological Survey of Canada, 601 Booth Street, Ottawa, Ontario K1A 0E8.

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GEOLOGICAL ATLAS
GENERAL CO-ORDINATOR: A.V. OKULITCH
MAP NO-12-G
PHANEROZOIC BEDROCK GEOLOGY
LAKE ATHABASCA
ALBERTA - SASKATCHEWAN



Base map at the same scale, published by Surveys and Mapping Branch in 1977. Minor revisions from maps MCR 2 and 3, scale 1:2 000 000, published by the National Atlas Information Service, 1990.

Elevations in metres above sea level
Depths in metres below mean lake elevation
Copies of the topographical edition of this map may be obtained from the Canada Map Office, Natural Resources Canada, Ottawa, Ontario, K1A 0E8

This 1:1 000 000 scale map is part of the Geological Atlas of Canada and is plotted on the International Map of the World (IMW) base. Bedrock geology is one parameter being published in the National Earth Science Series.

Geological compilation by A.V. Okulitch, 2004
Contributions by D.C. Eccles, D. Edwards, D.I. Paré, and R.C. Paulen, Alberta Geological Survey, F.M. Hasel, Saskatchewan Geological Survey and W. Miles, Geological Survey of Canada, 2004
Critical review by D.C. Eccles and D.I. Paré, Alberta Geological Survey, 2004, F.M. Hasel and D.F. Paterson, Saskatchewan Geological Survey, 2004 and K.M. Falls, Geological Survey of Canada, 2005, 2006
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Digital image processing by A.V. Okulitch, Geological Survey of Canada
Technical review and geographic information system data transfer by L.E. MacDonald, S.M. Romanyshyn, F. Harzo and S. Leong, Geological Survey of Canada, 2005

Any revisions or additional geological information known to the user would be welcomed by the Geological Survey of Canada

LEGEND

MEOSOZOIC CRETACEOUS UPPER CRETACEOUS CENOMANIAN TO CAMPANIAN... PALEOZOIC DEVONIAN... PHANEROZOIC... NOTE 1... COMPILER'S NOTES

DESCRIPTIVE NOTES

Crystalline rocks of the Canadian Shield and sediments of the Athabasca Basin... Bayrock, L.A. 1972: Surficial geology, Peace Point and Fitzgerald west of 111° 20' NTS 84P... Cotterill, D.K. and Hamilton, W.A. 1995: Geology of Devonian limestones in northeastern Alberta... Dufrenoy, M.B., Henderson, B., Fenton, M.M., Pawlowicz, J.G. and Richardson, R.H. 1994: The mineral deposits potential of the Margueta River and Fort McKay areas, northeast Alberta (NTS 74E), Alberta Geological Survey, Open File Report 1994-9... Eccles, D.C. 2004: Petrogenesis of the Late Cretaceous northern Alberta kimberlite province... Green, R., Mellon, G.B. and Carrey, M.A. 1970: Bedrock geology of northern Alberta, NTS 84 and NTS 74D, 74E, 74F and 74M, Research Council of Alberta, Geological Survey of Alberta, Map 024, scale 1:500 000... Halbertsma, H.L. and Meijer Drees, N.C. 1994: Devonian Wabamung Group of the Western Canada Sedimentary Basin... Halbertsma, H.L. and Meijer Drees, N.C. 1997: Wabamung limestone sequences in north-central Alberta... Hamilton, W.N., Langenberg, W., Price, M.C. and Chao, D.K. 1970: Geological map of Alberta, Alberta Geological Survey, Map 236, scale 1:1 000 000... Hayes, B.J.R., Christopher, J.E., Rosenthal, L., Los, G., McKeercher, B., Minner, D., Tremblay, Y.M. and Fickert, J.D. 1994: Cretaceous Mannville Group of the Western Canada Sedimentary Basin... Leckie, D.A., Bhattacharya, T.P., Bloch, J., Gibby, C.F. and Norris, B. 1994: Cretaceous Colonsay Formation of the Western Canada Sedimentary Basin... Mosop, G.D. and Shatten, I. (compilers) 1994: Geological Atlas of the Western Canada Sedimentary Basin... Norris, A.W. 1973: Devonian stratigraphy of northeastern Alberta and northwestern Saskatchewan... Norris, A.W. 1973: Paleozoic (Devonian) geology of northeastern Alberta and northwestern Saskatchewan... Norris, A.W. and Uyeno, T.T. 1981: Stratigraphy and paleontology of the lowermost Upper Devonian Slave Point Formation on Lake Claire and the lower Upper Devonian Waterways Formation on Birch River, Alberta, Saskatchewan, Alberta Geological Survey of Canada, Bulletin 334... Norris, A.W. and Uyeno, T.T. 1983: Biostratigraphy and paleontology of Middle - Upper Devonian boundary beds, Gypsum Gills area, northwestern Alberta, Geological Survey of Canada, Bulletin 313... Norris, A.W. and Uyeno, T.T. 1988: Middle Devonian brachiopods, conodonts, stratigraphy and transgressive-regressive cycles, Pine Point area, south of Great Slave Lake, District of Mackenzie, Northwest Territories, Geological Survey of Canada, Bulletin 522... Oldale, H.S. and Munday, R.J. 1994: Devonian Beaverhill Lake Group of the Western Canada Sedimentary Basin... Paré, D.I. 2003: Precambrian basement of the Western Canada Sedimentary Basin in northern Alberta, Alberta Geological Survey, Earth Science Report 2003-02... Paré, D.I., Waters, J. and Grobe, M. 2001: GIS compilation of structural elements in northern Alberta, Release 1.0, Alberta Geological Survey, Earth Science Report 2001-01... Paterson, D.F., Kendall, A.C. and Christopher, J.E. 1978: The sedimentary geology of the La Loche area, Saskatchewan, NTS Sheet 74 C, Saskatchewan Mineral Resources, Geological Survey, Report 201 (includes map: Figure 2, scale 1:250 000)... Paulsen, R.D., Christopher, J.E., Hayes, B.J.R., Loret, J., Tittmore, J. and Gierst, R.D. 1994: Jurassic and lowermost Cretaceous strata of the Western Canada Sedimentary Basin... Richmond, W.D. 1965: Stratigraphy and sedimentation of the Slave Point Formation, southern Northwest Territories and northern Alberta... Riley, G.C. 1962: Geology, Fort Fitzgerald, Alberta, Geological Survey of Canada, Map 12-1960, scale 1:253 449... Scott, B.P. 1985: Geology of the upper Clearwater River area, Saskatchewan Mineral Resources, Geological Survey, Report 202 and Open File 85-2... Slinmon, W. 2002: Geological Atlas of Saskatchewan, version 5, Saskatchewan Industry and Resources, Geological Survey, Report 202 and Open File 85-2... Switzer, S.B., Holland, W.G., Christie, D.S., Graf, G.C., Hodinger, A.S., McAulley, R.J., Wierzbicki, P.A. and Fickert, J.D. 1994: Devonian Woodbend-Winterburn strata of the Western Canada Sedimentary Basin... Tremblay, L.P. 1961a: Geology, Firebag River area, Alberta and Saskatchewan, Geological Survey of Canada, Map 10-1961, scale 1:253 440... Tremblay, L.P. 1961b: Geology, La Loche, Saskatchewan, Geological Survey of Canada, Map 10-1961, scale 1:253 440... Wilson, J. 1965: Geological map of the Athabasca Group in Alberta, Alberta Research Council, Alberta Geological Survey, Bulletin 49 (includes Figure 4, Geological Map of the Athabasca Basin, Alberta, scale 1:250 000)... Yeo, G., Collier, B., Rameskers, P., Koning, E., Robbins, J. and Jiricka, D. 2001: Stratigraphy of the Athabasca Group in southwestern Athabasca Basin, Saskatchewan (NTS 74F and 74K), in Summary of Investigations, 2001, v. 2, Saskatchewan Geological Survey, Saskatchewan Energy and Mines, Miscellaneous Report 2001-4-2

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1:1 000 000 SCALE SHEETS



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