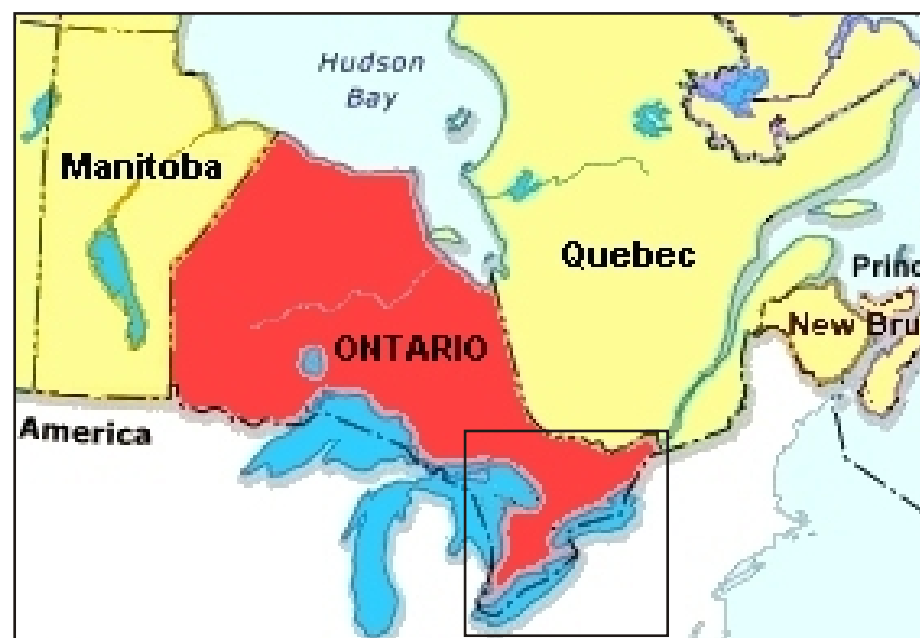


PALEOZOIC GEOLOGY OF
SOUTHERN ONTARIO

This map is published with the permission of the Senior Manager,
 Sedimentary Geoscience Section, Ontario Geological Survey.



Location Map

SOURCES OF INFORMATION

Base map: Natural Resources and Values Information System (NRVIS)

Projection: NAD 83

CREDITS

Author: The Ontario Geological Survey

Acknowledgements: Derek Armstrong (OGS), John Dodge (OGS), David Williams (MTO-retired), Frank Brunton (OGS), Shannon Evers (OGS)

Every possible effort has been made to ensure the accuracy of the information presented on this map; however, the Ontario Ministry of Northern Development and Mines does not assume any liabilities for errors that may occur. Users may wish to verify critical information.

Issued 2007.

Information from this publication may be quoted if credit is given. It is recommended that reference be made in the following form:

Armstrong, D.K. and Dodge, J.E.P. Paleozoic Geology Map of Southern Ontario; Ontario Geological Survey, Miscellaneous Release--Data 219.

LEGEND
Devonian
Upper Devonian (to Mississippian)

33 **Port Lambton Group:** grey shale, sandstone, black shale

32 **Kettle Point Formation:** black and green shale, siltstone

Middle Devonian

31 **Hamilton Group:** grey calcareous shale, limestone

30 **Marcellus Formation:** black and grey shale, limestone

29 **Dundee Formation:** limestone, minor dolostone; locally cherty

Detroit River Group

28 **Lucas Formation:** limestone, dolostone, sandy limestone

27 **Amherstburg Formation:** limestone, dolostone; bituminous, cherty, locally biohermal

26 **Onondaga Formation:** limestone; variably cherty, fossiliferous, argillaceous, biohermal

Lower Devonian

25 **Bois Blanc Formation:** limestone, dolostone; cherty, argillaceous; local glauconitic sandstone (Springvale Member)

24 **Oriskany Formation:** calcareous sandstone

Silurian
Upper Silurian

23 **Bass Islands Formation:** dolostone; laminated or mottled or argillaceous

LEGEND

22 **Bertie Formation:** dolostone; argillaceous, laminated, bituminous or burrowed

21 **Salina Formation:** argillaceous dolostone, shale, gypsum, salt (at depth)

20 **Guelph Formation:** dolostone; sucrosic, fossiliferous, locally biohermal; includes bituminous dolostone on Bruce Peninsula (=Eramosa Member)

Lower Silurian

19 **Amabel Formation:** dolostone; thick-bedded, crinoidal, locally biohermal; includes bituminous dolostone in Guelph to Burlington area (=Eramosa Member)

18 **Lockport Formation:** dolostone, limestone, argillaceous dolostone; locally cherty; includes bituminous (=Eramosa Member)

17 **Clinton and Cataract groups:** shale, sandstone, dolostone, limestone units

Ordovician
Upper Ordovician

16 **Queenston Formation:** shale, siltstone, minor limestone and sandstone

15 **Carlsbad Formation** (in eastern Ontario): shale and limestone

14 **Georgian Bay Formation** (in eastern Ontario): shale and limestone

13 **Billings Formation** (in eastern Ontario): shale, minor limestone

12 **Blue Mountain Formation** (in eastern Ontario): shale, minor limestone

Middle Ordovician
Simcoe Group

11 **Lindsay Formation:** limestone; nodular to black laminated (=Collingwood Member or Eastview Member in eastern Ontario)

10 **Verulam Formation:** limestone and shale

9 **Bobcaygeon Formation:** limestone, with minor shales in upper part

8 **Gull River Formation:** limestone, with dolostone beds towards base

7 **Shadow Lake Formation:** shale, argillaceous sandstone, silty dolostone

6 **Rockcliffe Formation:** sandstone, shale, limestone, dolostone

Lower Ordovician
Beekmantown Group

5 **Oxford Formation:** dolostone, minor shale and sandstone

4 **March Formation:** sandstone, dolomitic sandstone, dolostone

Cambrian
Potsdam Group













3 **Nepean Formation:** sandstone, minor conglomerate

2 **Covey Hill Formation:** feldspathic conglomerate, impure sandstone

Precambrian

1

SYMBOLS

	drillhole
	outcrop
	inactive quarry
	quarry
	Contact, approximate
	Contact, interpreted
	Contact, observed
	provincial
	fault-contact, ball on downthrown side
	fault-contact, no dip, no downthrown side indicated
	fault, ball on downthrown side
	fault, no dip, no downthrown side indicated