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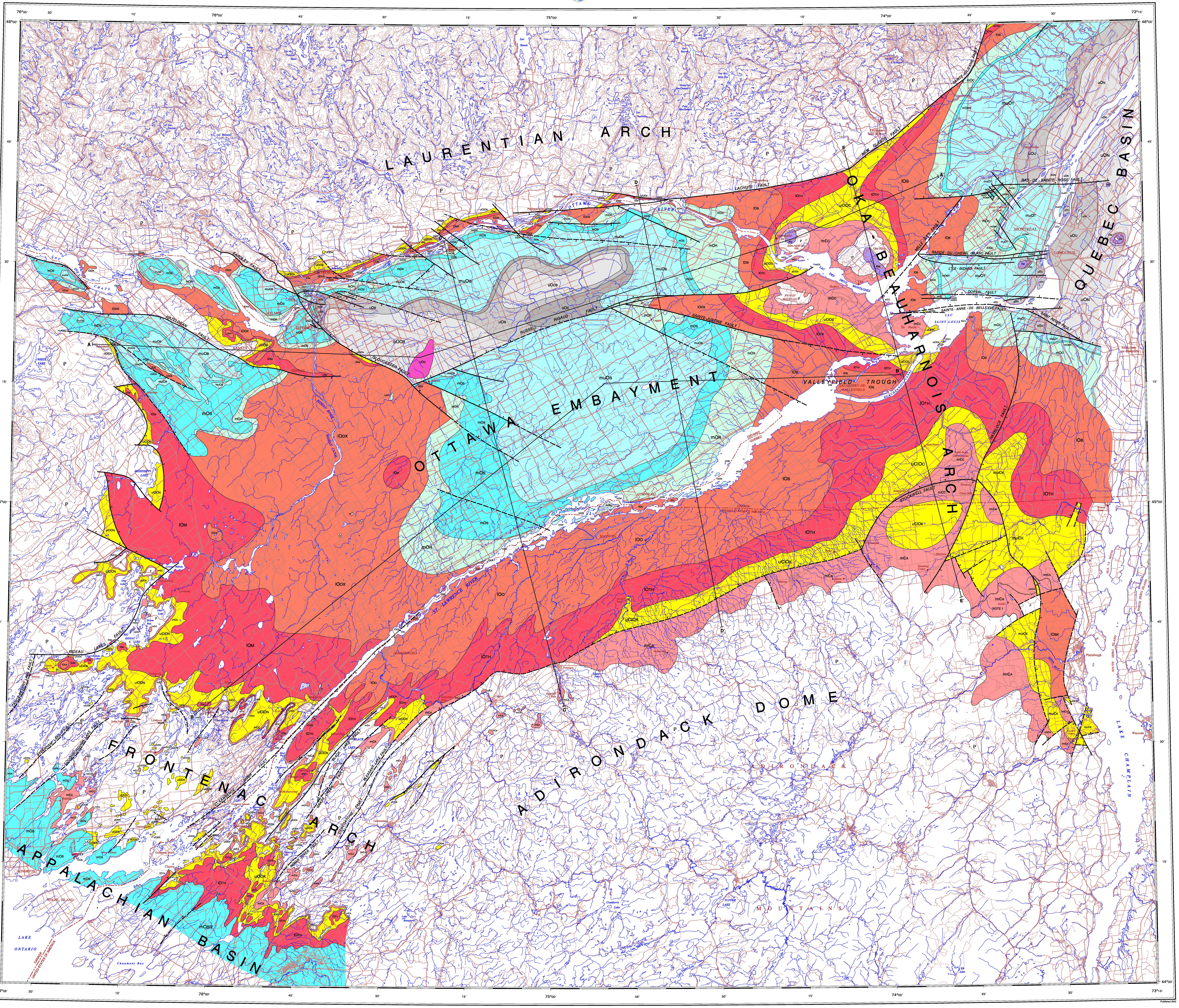
GEOLOGICAL SURVEY OF CANADA / COMMISSION GÉOLOGIQUE DU CANADA



LEGEND

MESOZOIC
LOWER CRETACEOUS

KM	Monteregian intrusives

PALEOZOIC
ORDOVICIAN

OM	Metamorphosed shale, siltstone, sandstone, and limestone

UPPER ORDOVICIAN

uOQ	Queenston and Russell formations: red shale, interbedded grey shale and dolostone
uOCB	Carlsbad Formation: grey and blue-grey shale
uON	Nicolet Formation: grey shale
uOB	Billings Formation: black shale
uOU	Utica Shale: dark grey to black shale
uOE	Eastview Formation: black petroliferous limestone

MIDDLE AND UPPER ORDOVICIAN

muOB	Bobcaygeon, Verulam, and Lindsay formations (Trenton Group equivalent)
muOT	Trenton Group: brown and grey limestone and minor shale

MIDDLE ORDOVICIAN

mOS	Shadow Lake and Gull River formations (Black River Group equivalent)
mOBR	Black River Group: dove-grey limestone, dolostone, and minor shale
mOR	Rockcliffe and St. Martin formations (Chazy Group equivalent)
mOC	Chazy Group: grey-green shale, siltstone, sandstone, and grey shaly limestone

LOWER ORDOVICIAN

lOOX	Oxford Formation: dark grey to brown dolostone and dolomitic limestone, minor sandstone interbeds
lOO	Ogdensburg Formation: dark grey to brown dolostone and dolomitic limestone, minor sandstone interbeds
lOB	Beauharnois Formation: dark grey to brown dolostone and dolomitic limestone, minor sandstone interbeds
lOBK	Beekmantown Group: dark grey to brown dolostone and dolomitic limestone, minor sandstone interbeds
lOM	March Formation: medium to dark grey dolostone and dolomitic limestone with interbeds of light grey to white sandstone
lOTH	Theresa Formation: medium to dark grey dolostone and dolomitic limestone with interbeds of light grey to white sandstone

MIDDLE AND UPPER CAMBRIAN AND LOWER ORDOVICIAN

uЄlON	Nepean Formation: light grey to white sandstone (quartz arenite)
uЄlOC	Cairnside Formation: light grey to white sandstone (quartz arenite)
uЄlOK / muЄK	Keeseville Formation: light grey to white sandstone (quartz arenite)

LOWER AND MIDDLE CAMBRIAN

mЄC	Covey Hill Formation: red, salmon-pink to light grey sandstone, and red, pink, to grey feldspathic conglomerate
mЄA / lmЄA	Ausable Formation: red, salmon-pink to light grey sandstone, and red, pink, to grey feldspathic conglomerate, and minor carbonate

PRECAMBRIAN
UPPER PROTEROZOIC

uPA	Abbey Dawn Formation: light to dark grey quartzite-cobble and -boulder conglomerate

PROTEROZOIC, undivided

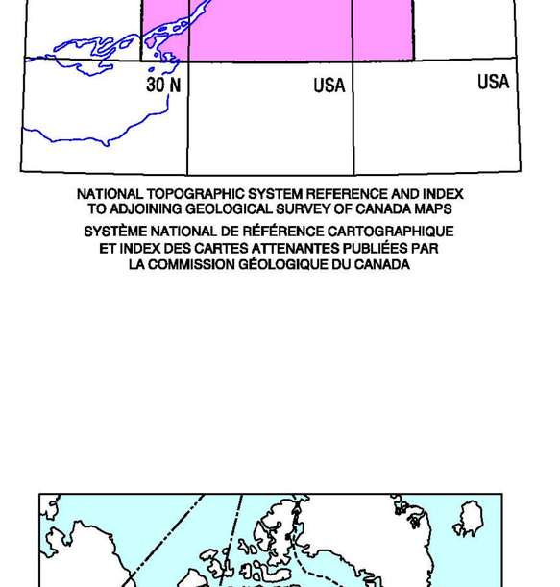
P	Basement rocks to Central Division of St. Lawrence Platform

Geological boundary (defined and approximate)
Normal fault (defined, approximate; solid circles indicate downthrown side)
Uncertain fault (defined, approximate)
Thrust fault
Approximate outcrop distribution of the Jericho Member of the Ausable Formation in northeastern New York State) NOTE 1

Sources of information for eastern Ontario, western Quebec, and northern New York State – geological maps published by the Geological Survey of Canada, the Ontario Geological Survey, Quebec's Ministère de l'Énergie et des Ressources, the New York State Museum and Science Service, the New York State Energy Research and Development Authority, the Atomic Energy Control Board of Canada, and unpublished data from field surveys conducted by the first author. Additional information was obtained from data collected and/or compiled by private industry and university research projects.

Scale 1:250 000/Échelle 1/250 000

kilometres 5 0 5 10 15 20 kilomètres



NATIONAL TOPOGRAPHIC SYSTEM REFERENCE AND INDEX TO ADJOINING GEOLOGICAL SURVEY OF CANADA MAPS
SYSTÈME NATIONAL DE RÉFÉRENCE CARTOGRAPHIQUE ET INDEX DES CARTES ATTENANTES PUBLIÉES PAR LA COMMISSION GÉOLOGIQUE DU CANADA

LOCATION MAP - CARTE DE LOCALISATION

Author: B.V. Sanford

Geological compilation by B.V. Sanford, 2005

Digital cartography by M.M. Proulx and M.J. Baldock, Data Dissemination Division (DDD)

This map was produced from processes that conform to the Scientific and Technical Publishing Services Subdivision (DDD) Quality Management System, registered to the ISO 9001: 2000 standard

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

Canada digital base map from data compiled by Geomatics Canada, modified by DDD
United States digital base map from data compiled by the USGS, modified by DDD

Mean magnetic declination 2010, 13°58'W, decreasing 2.7' annually. Readings vary from 15°25'W in the NE corner to 12°13'W in the SW corner of the map

Elevations in metres above mean sea level

Published 2010

Canada

Figure 3. Geological map of eastern Ontario, western Quebec, and northern New York State

FIGURE 3
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