

THESE TERMS GOVERN YOUR USE OF THIS DOCUMENT

Your use of this Ontario Geological Survey document (the “Content”) is governed by the terms set out on this page (“Terms of Use”). By downloading this Content, you (the “User”) have accepted, and have agreed to be bound by, the Terms of Use.

Content: This Content is offered by the Province of Ontario’s *Ministry of Northern Development and Mines* (MNDM) as a public service, on an “as-is” basis. Recommendations and statements of opinion expressed in the Content are those of the author or authors and are not to be construed as statement of government policy. You are solely responsible for your use of the Content. You should not rely on the Content for legal advice nor as authoritative in your particular circumstances. Users should verify the accuracy and applicability of any Content before acting on it. MNDM does not guarantee, or make any warranty express or implied, that the Content is current, accurate, complete or reliable. MNDM is not responsible for any damage however caused, which results, directly or indirectly, from your use of the Content. MNDM assumes no legal liability or responsibility for the Content whatsoever.

Links to Other Web Sites: This Content may contain links, to Web sites that are not operated by MNDM. Linked Web sites may not be available in French. MNDM neither endorses nor assumes any responsibility for the safety, accuracy or availability of linked Web sites or the information contained on them. The linked Web sites, their operation and content are the responsibility of the person or entity for which they were created or maintained (the “Owner”). Both your use of a linked Web site, and your right to use or reproduce information or materials from a linked Web site, are subject to the terms of use governing that particular Web site. Any comments or inquiries regarding a linked Web site must be directed to its Owner.

Copyright: Canadian and international intellectual property laws protect the Content. Unless otherwise indicated, copyright is held by the Queen’s Printer for Ontario.

It is recommended that reference to the Content be made in the following form:

<Author’s last name>, <Initials> <year of publication>. <Content title>; Ontario Geological Survey, <Content publication series and number>, <scale>.

Use and Reproduction of Content: The Content may be used and reproduced only in accordance with applicable intellectual property laws. *Non-commercial* use of unsubstantial excerpts of the Content is permitted provided that appropriate credit is given and Crown copyright is acknowledged. Any substantial reproduction of the Content or any *commercial* use of all or part of the Content is prohibited without the prior written permission of MNDM. Substantial reproduction includes the reproduction of any illustration or figure, such as, but not limited to graphs, charts and maps. Commercial use includes commercial distribution of the Content, the reproduction of multiple copies of the Content for any purpose whether or not commercial, use of the Content in commercial publications, and the creation of value-added products using the Content.

Contact:

FOR FURTHER INFORMATION ON	PLEASE CONTACT:	BY TELEPHONE:	BY E-MAIL:
The Reproduction of the EIP or Content	MNDM Publication Services	Local: (705) 670-5691 Toll Free: 1-888-415-9845, ext. 5691 (inside Canada, United States)	Pubsales.ndm@ontario.ca
The Purchase of MNDM Publications	MNDM Publication Sales	Local: (705) 670-5691 Toll Free: 1-888-415-9845, ext. 5691 (inside Canada, United States)	Pubsales.ndm@ontario.ca
Crown Copyright	Queen’s Printer	Local: (416) 326-2678 Toll Free: 1-800-668-9938 (inside Canada, United States)	Copyright@gov.on.ca

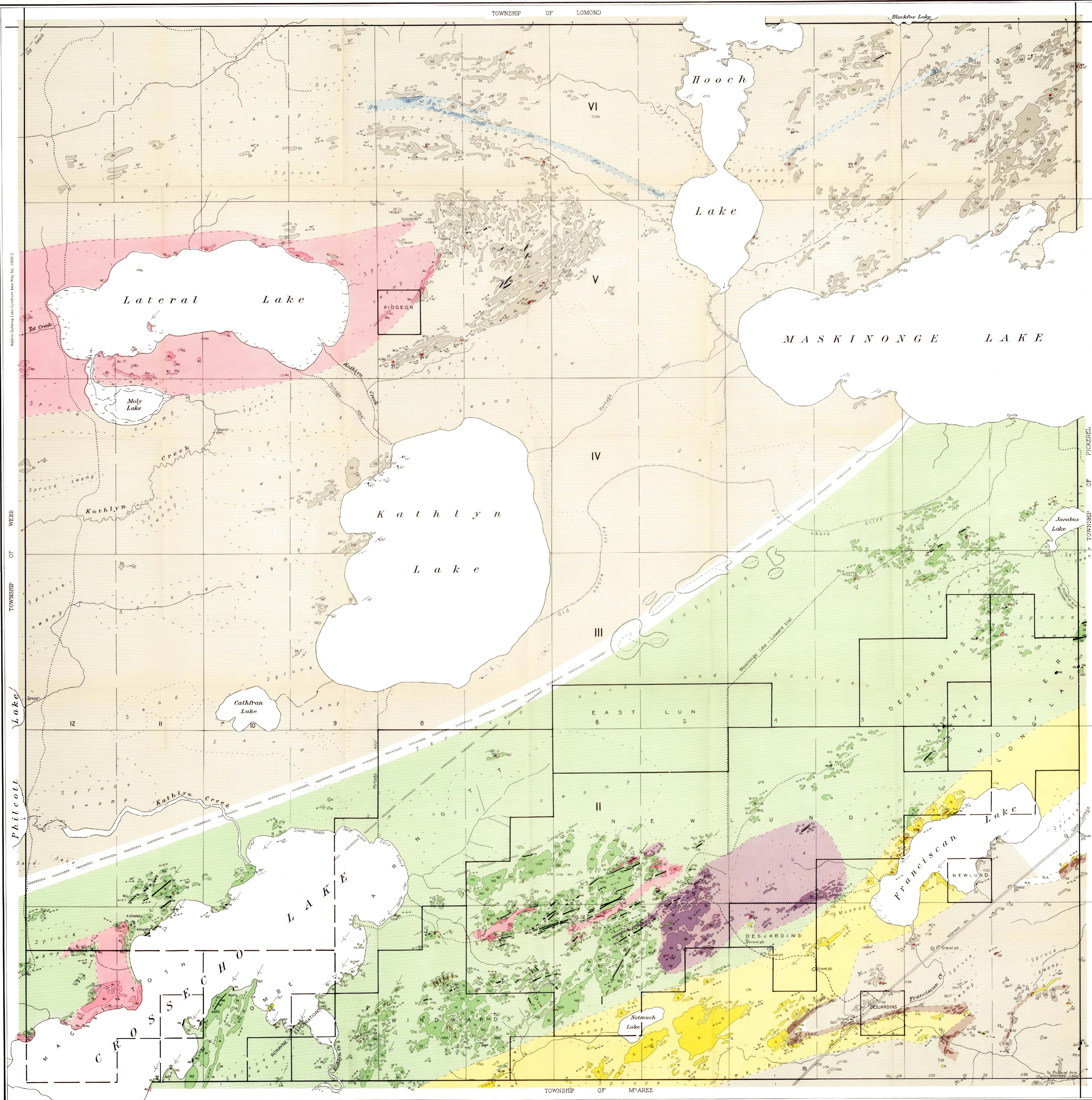
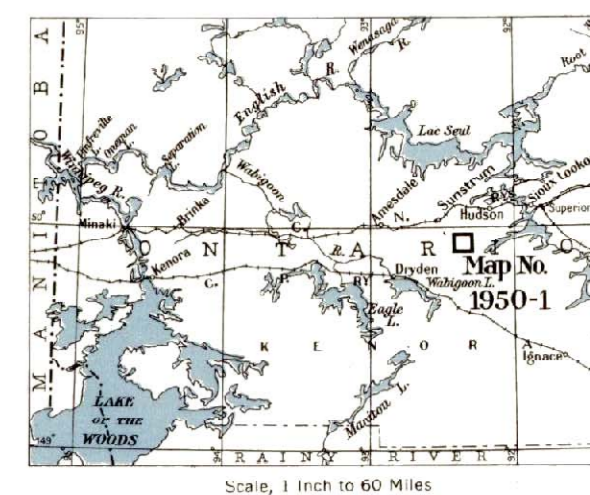


PROVINCE OF ONTARIO
DEPARTMENT OF MINES

HON. WELLAND S. GEMMELL, Minister of Mines
H. C. Kirkby, Deputy Minister M. F. Hank, Provincial Geologist

Map No. 1950-1
TOWNSHIP OF ECHO

TOWNSHIP OF LOMOND



SYMBOLS

- Swamp boundary
- Water mark or floating log
- Open water
- Provincial highway, mileage from Sioux Lookout
- Motor road
- Old road, mail, postage
- Chief of mine
- Geological boundary defined
- Geological boundary approximated
- Geological boundary assumed
- Boundary of rock masses
- Boundary of rock masses (bedrock)
- Strike and dip of strata, low flow, etc.
- Strike and vertical dip of strata, low flow, etc.
- Direction of top of low flow based on slope of pillow
- Direction of top of low flow based on brecciated flow line, lower flow line
- Strike, dip, and direction in which stress line, as indicated by direction of grain size
- Direction of top of brecciated strata indicated by grain size, low flow, etc.
- Strike, dip, and direction in which stress line, as indicated by grain bedding
- Strike and dip of schists
- Strike of vertical schists
- Fault, indicated or assumed
- Building
- Fair pit
- Magnetic attraction
- Quartz veins with or without stibnite
- Visible gullies
- Pool or lake
- Muskeg

LEGEND
CENOZOIC

- RECENT**
- Peat, alluvium
- PLEISTOCENE**
- Clay, sand, gravel
- GREAT UNCONFORMABILITY**
- PRECAMBRIAN**
- ALGOMAN (?)**
- Quartziferous porphyry dikes (red), quartz porphyry dikes (red), differentiated granitic rocks (red)
- Red granite, gneiss, granulite (red), grey biotite granulite (red)
- INTRUSIVE CONTACT**
- PREALGOMAN (?)**
- Quartz porphyry (red)
- INTRUSIVE CONTACT**
- ALGOMAN SERIES (Timiskaming type) PREALGOMAN SEDIMENTS**
- Algonquin (red)
- Desjardins (red)
- Keewatin (red)
- Newland (red)
- Prealgonman (red)
- Algonquin (red)
- Desjardins (red)
- Keewatin (red)
- Newland (red)
- Prealgonman (red)
- ALGOMAN VOLCANICS**
- Intermediate to basic layer (red)
- Acidic layer (red)
- Basaltic layer (red)
- Andesitic layer (red)
- Rhyolitic layer (red)
- Basaltic layer (red)
- Andesitic layer (red)
- Rhyolitic layer (red)

SOURCES OF INFORMATION

Map No. 1950-1 was prepared by the Division of Geology and Engineering, Ontario Department of Lands and Forests.
Survey based on Map No. 416, Ontario Department of Mines, by H. C. Kirkby, 1919.
Geology by H. S. Anderson and J. K. Webb, 1946.

NOTES

The names of lakes and streams on this map are in conformity with the ratings of the Division of Survey and Engineering, Ontario Department of Lands and Forests.

Map No. 1950-1

TOWNSHIP OF ECHO

DISTRICT OF KENORA, ONTARIO

Scale $\frac{1}{12500}$ or 1 Inch to 1,000 Feet

