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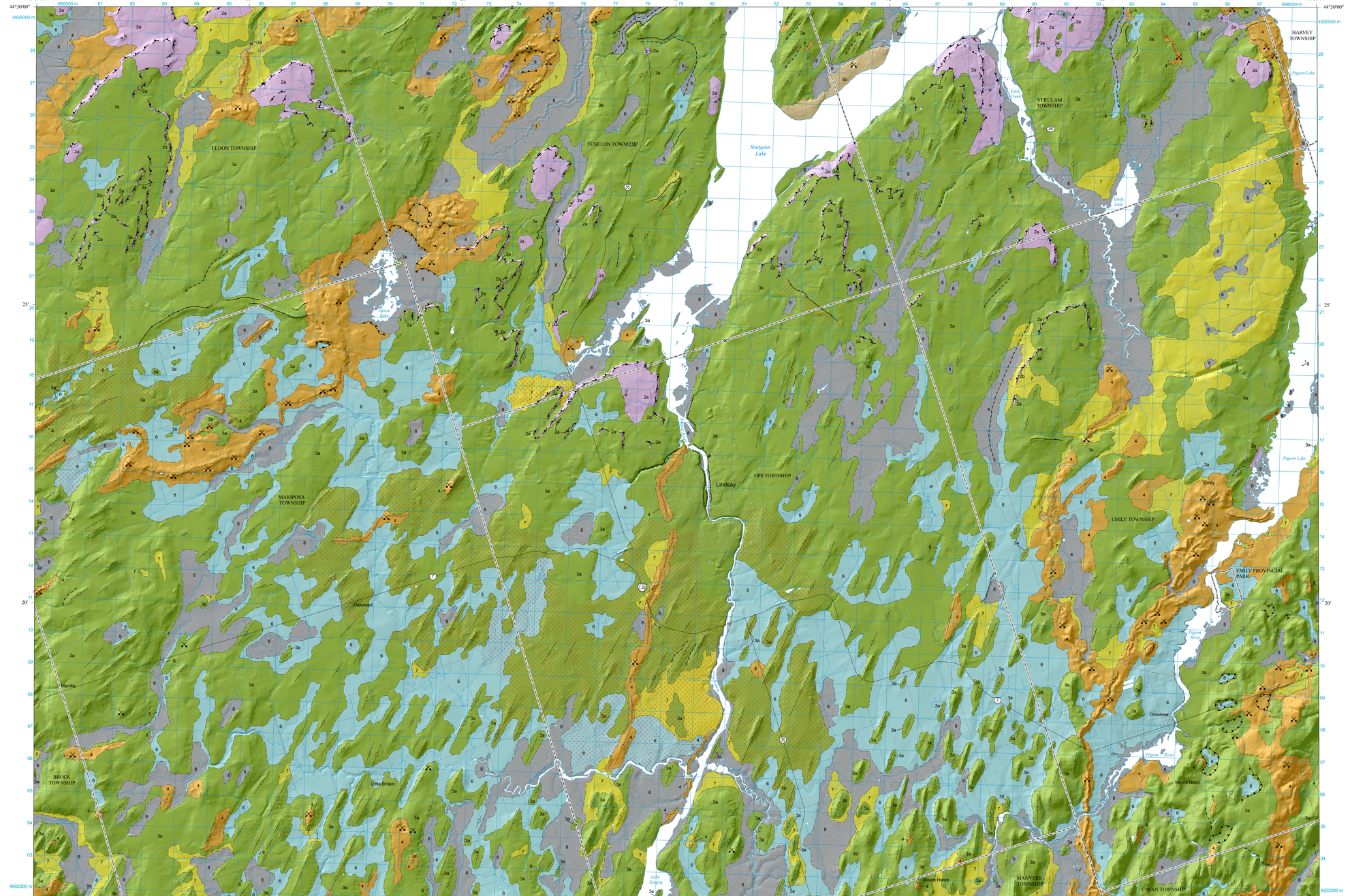

LEGEND

PHANEROZOIC

CENOZOIC

QUATERNARY

RECENT

8 Organic and Swamp Deposits
Peat and muck

PLEISTOCENE

7 Foreshore and Basinal Glaciolacustrine Deposits
Very-fine to medium-textured sand, minor silt and gravel

6 Fine-Textured Glaciolacustrine Deposits
Massive to well-laminated, silt and clay, minor sand, minor gravel

5 Glaciofluvial Outwash Deposits
Sand and gravel
5a Mainly sand
5b Mainly sandy gravel and gravel

4 Ice-Contact Stratified Deposits
In moraines, kames, eskers and crevasse fills; fine-to coarse-textured sand, gravel, minor silt and clay

3 Till
Glacial deposit, massive with varying amounts of sand, silt, clay, and gravel

- 3a Newmarket Till: stone-poor, carbonate-derived silty to sandy till, may contain beds, lenses and stringers of sand and silt
- 3b Dummer Till: Stony, carbonate-derived silty to sandy till, may contain beds, lenses and stringers of sand and silt

2 Bedrock–Drift Complex
Minor to moderate Paleozoic bedrock exposure
2a Mainly till veneer
2b Mainly stratified veneer

PALEOZOIC

ORDOVICIAN

1 Bedrock
Undifferentiated bedrock with a very thin discontinuous cover of Quaternary sediment

SYMBOLS

- Small bedrock outcrop
- Geological contact (approximate)
- Ice-contact slope
- Minor moraine crest
- Esker crest (direction of flow known, unknown)
- Meltwater channel (direction of meltwater flow known, unknown)
- Terrace
- Bedrock escarpment
- Drumlin
- Hummocky surface topography
- Glacial striae (direction of ice movement known, unknown)
- Sand and gravel pit
- Quarry
- Administrative boundary (Indian Reserve, provincial park, township)
- Utilities (pipeline, gas)
- Roads (primary, secondary, trails)

Ontario

Ontario Geological Survey

MAP P.3798

QUATERNARY GEOLOGY

LINDSAY AREA, SOUTHERN ONTARIO

Scale 1:50 000

1000 m 0 1 2 km

NTS Reference: 31 D/7

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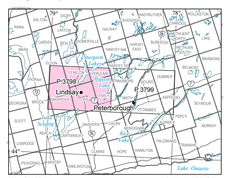

1 cm equals 15 km

SOURCES OF INFORMATION

Base map information derived from the Land Information Ontario Data Warehouse, Land Information Ontario, Ministry of Natural Resources and Forestry, scale 1:50 000, with modifications by staff of the Ministry of Northern Development and Mines.

Orthoimagery and hillshaded digital elevation model obtained from the Ontario Ministry of Natural Resources and Forestry, 2014.

Mapping conducted using UTM co-ordinates in North American Datum 1983 (NAD83), Zone 17.

This map is associated with the following publications:

Marich, A.S. 2016. Quaternary geology of the Lindsay and Peterborough areas, southern Ontario; Ontario Geological Survey, Open File Report 6321, 59p.

Marich, A.S. 2016. Results of till sample analyses of the Lindsay and Peterborough areas, southern Ontario; Ontario Geological Survey, Miscellaneous Release—Data 333.

Compiled geology derived from:

Armstrong, D.K. and Dodge, J.E.P. 2007. Paleozoic geology of southern Ontario; Ontario Geological Survey, Miscellaneous Release—Data 219.

Gravenor, C.P. 1957. Surficial geology of the Lindsay–Peterborough area, Ontario: Victoria, Peterborough, Durham, and Northumberland counties; Geological Survey of Canada, Memoir 288, 61p.

Ontario Geological Survey 2010. Surficial geology of southern Ontario; Ontario Geological Survey, Miscellaneous Release—Data 128–Revised.

Water well records by the Ontario Ministry of the Environment and Climate Change.

Geology is not tied to survey lines.

Magnetic declination for centre of map area, approximately 11°7.56'W in 2016.

Metric conversion factor 1 foot = 0.3048 m.

CREDITS

Geological mapping by A.S. Marich, 2013 and 2014.
Field assistance provided by J.G. Vervaeke and M.A. Robinson.

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Cartographic production by R. Corcoran.

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 liability for errors that may occur. Users should verify critical information.

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