

LEGEND

A younger unit overlying an older unit is denoted by, for example, 97. A mixed unit is shown as the main unit first, comprising more than 50%, and the secondary unit in brackets, for example 2(6). Coloured legend blocks indicate map units that appear on this map. Not all map symbols shown in the legend necessarily appear on this map.

- QUATERNARY**
- HOLOCENE**
- 10 LACUSTRINE DEPOSITS: sand, 1-2 m thick; beaches, bars, spits
 - 9 ALLUVIAL DEPOSITS: sand, silt, mud; minor gravel; 1-3 m thick; occurs on floodplains and low terraces
 - 8 EOLIAN DEPOSITS: fine to very fine sand; 1-3 m thick; small dunes in lee of rock knobs
 - 7 ORGANIC DEPOSITS: peat and mud; 1-4 m thick; muskegs, fern string bogs; commonly overlies glaciolacustrine mud
- NONGLACIAL**
- LATE WISCONSINAN PROGLACIAL AND GLACIAL**
- GLACIOLACUSTRINE DEPOSITS: sediments deposited into glacial Lake Agassiz predominantly as underflows and littoral deposits
- 6 Littoral and shallow water deposits: sand, gravel, silt; 1-3 m thick; small beach ridges; 6a, gravel and gravely sand, 6b, sand with silty fine sand
 - 5 Deep water deposits: laminated to varved clay, silt and fine sand; 1-75 m thick; mainly occupies depressions
 - 4 Outwash deposits: sand and gravel; 1-5 m thick; occurs as braidplains; 4a, mainly gravel; 4b, sand with gravely sand
 - 3 Ice-contact deposits: rippled sand (thin silt, clay interbeds), gravel, boulders; minor till 5-15 m thick; and moraines, mainly formed of subaqueous sediment isolated subaqueous fans, and adjacent eskers
- GLACIAL DEPOSITS: sediment deposited directly from glacial ice
- 2 Till: gravely to bouldery, sandy to sandy-silt till; noncalcareous; 1-6 m thick; blankets bedrock
 - 1 Drift and rock: rock dominated terrain (25-80% outcrop) with scattered boulders; thin till and stratified deposits, 1-3 m thick in depressions; 1a, calcareous till; sandy to sandy-silt till
- PRECAMBRIAN**
- R Rock: > 80% outcrop; ice and water eroded Archean granitic, metavolcanic and metasedimentary rocks; patches of thin drift and scattered boulder lags

- Geological boundary
 Small bedrock outcrops (not shown for units R or 1)
 Glacial station (ice flow direction inferred)
 Glacial fluting
 Moraine ridge
 Ice contact slope
 Esker (direction of flow inferred)
 Kettle hole
 Abandoned shoreline feature
 Terrace escarpment (fluvial)
 Eolian dunes
 Sand or gravel pit
 Quarry or mine workings
 Peat extraction site
 Till sample analyzed
 Till sample not analyzed
 Borehole location
 D17

Geology by G.V. Mining 1987, 1988, and D.R. Sharpe 1987-1989

Geological cartography by the Geological Survey of Canada

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Mean magnetic declination 1990, 03°40' East, decreasing 7.2' annually. Readings vary from 03°07'E in the SE corner to 04°19'E in the SW corner of the map

Elevations in feet above mean sea level

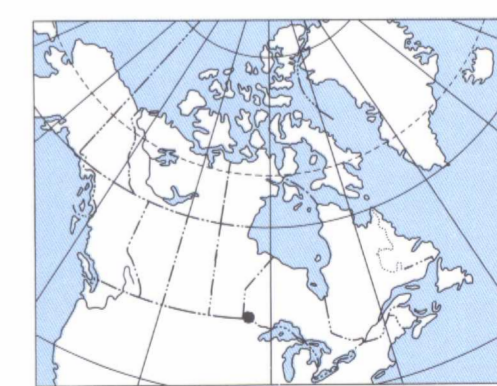
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 Contribution à l'Entente auxiliaire Canada/Ontario sur l'exploitation minière 1985 dans le cadre de l'Entente de développement économique et régional. Ce projet a été financé par la Commission géologique du Canada

MAP 1771A
 SURFICIAL GEOLOGY
 NORTHWEST ANGLE
 ONTARIO-UNITED STATES

Scale 1:100 000 - Échelle 1/100 000

Kilometres 2 4 6 8 Kilomètres

Universal Transverse Mercator Projection Projection transverse universelle de Mercator
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82 E1	82 E2	82 F1	82 F2	82 F3	82 F4
177A	177A	177A	177A	177A	177A
82 E4	82 E5	82 F4	82 F5	82 F6	82 F7
177A	177A	177A	177A	177A	177A

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INDEX MAP

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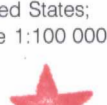
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