

LEGEND

This legend is common to maps 1798A, 1799A, 1800A and 1801A, coloured legend blocks indicate map units that appear on this map

- QUATERNARY**
- POSTGLACIAL DEPOSITS**
 - 7** ORGANIC DEPOSITS: mainly muck and peat; 1 to 5 m thick, occurs in bogs, fens, swamps and poorly drained areas
 - 6** ALLUVIAL DEPOSITS: silt, sand, and gravel with minor organic material; 1 to 5 m thick, modern floodplain or deltaic deposits; surfaces commonly scamed by abandoned channels
 - PROGLACIAL AND GLACIAL DEPOSITS**
 - MARINE DEPOSITS:** stratified to massive, clay to gravel deposited in deltaic, littoral, estuarine, nearshore, and deep water environments of the Champlain Sea; rarely fossiliferous; in many places underlain by glaciolacustrine sediments
 - 5b** Littoral and nearshore sediments: gravel, gravely sand, sand, minor silt, generally well sorted; 1 to 25 m thick; occurs as beaches, bars, or sheets; includes deltaic and estuarine deposits
 - 5a** Offshore sediments: silt, silty clay, and clay, locally overlain by thin sand; 1 to 10 m thick
 - GLACIOLACUSTRINE DEPOSITS:** stratified to massive, clay to gravel deposited in deltaic, littoral, nearshore, and deep water environments of glacial lakes
 - 4b** Littoral and nearshore sediments: gravel, gravely sand, sand, minor clay, generally well sorted; 1 to 25 m thick; includes nearshore and deltaic deposits; generally occurs as fills in topographic depressions
 - 4a** Offshore sediments: silt, silty clay, clay, minor sand; 1 to 10 m thick; laminated to massive
 - GLACIOFLUVIAL DEPOSITS:** stratified sediments deposited at or near the glacier margin by meltwater streams
 - 3** Proglacial sediments: gravel, gravely sand, and sand; 1 to 10 m thick, includes outwash; occurs as terrace remnants that are generally graded to former glacial lake or sea levels
 - 2** Ice contact sediments: boulder and/or cobble gravel, gravely sand, sand, minor silt and diatomite; 5 to 30 m thick; includes ice marginal subaqueous fan, esker and delta deposits
 - GLACIAL DEPOSITS:** sandy or in places silty diamicton; minor lenses or stringers of sand or silt; deposited directly by the ice as till
 - 1b** Till veneer: discontinuous cover over rock; average thickness less than 1 m on interfluvies; thickens locally in small depressions and on the lee sides of bedrock knobs; may include discontinuous, thin (less than 1 m) pockets of sand and gravel or silty clay in low lying areas
 - 1a** Till blanket: generally continuous cover which masks bedrock morphology, few outcrops; greater than 1 m thick on interfluvies; where streamlined, thickness commonly exceeds 2 m; small deposits of stratified sand, gravel, and boulders commonly occur on the down-ice end of streamlined features
 - PRE-QUATERNARY**
 - B** BEDROCK: rock, locally with a thin (less than 0.5 m) and discontinuous cover of surficial sediments
 - R** Paleozoic rock, undivided; includes limestone, dolomite, sandstone, and locally shale; relatively flat-lying, occurring as bare tabular outcrops
 - R** Precambrian rock, undivided; medium to high grade gneiss, carbonate metasediments, metavolcanics, felsic intrusives, mafic intrusives, and noncalcareous metasediments; structurally complex, many forming rolling or hilly rock knob uplands

- Geological boundary
- Escarpment in bedrock
- Striae (direction of ice flow assumed)
- Drumlin or other streamlined feature parallel to ice flow direction; length of symbol proportional to length of feature
- Esker
- Abandoned fluvial channel
- Delta
- Escarpment in unconsolidated material
- Pt in unconsolidated materials; mainly in gravel and sand but in places in clay or till
- Fossil locality; freshwater species*

Geology by J.M. Kettles 1987, 1988. Assisted in field by J. Cousineau 1987, 1988

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Geological cartography by the Geological Survey of Canada

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

Base map at the same scale published by the Surveys and Mapping Branch in 1984

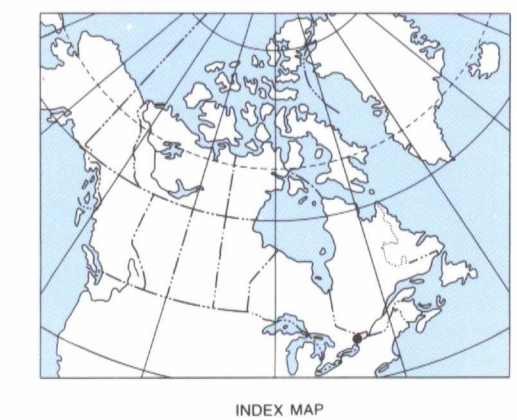
Copies of the topographical edition of this map may be obtained from the Canada Map Office, Department of Energy, Mines and Resources, Ottawa, Ontario, K1A 0G3

Magnetic declination 1991: 13°04' West, increasing 2.3" annually

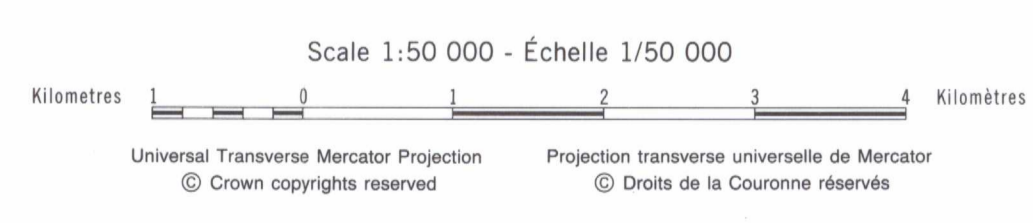
Elevations in feet above mean sea level

Copies of this map may be obtained from the Geological Survey of Canada, 601 Booth Street, Ottawa, Ontario K1A 0G8, 3303 33rd Street, N.W., Calgary, Alberta T2B 2A7

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MAP 1798A
SURFICIAL GEOLOGY
CLYDE FORKS
ONTARIO



31F3	31F2	31F1	31G4
1798A	1798A	1800A	31B13
31C14	31C15	31C16	31B12
31C11	31C10	31C9	31B12
		1801A	31B5
31C8	31C7	13-1985	31C6

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1798A