20 000 years ago

13 000 years ago

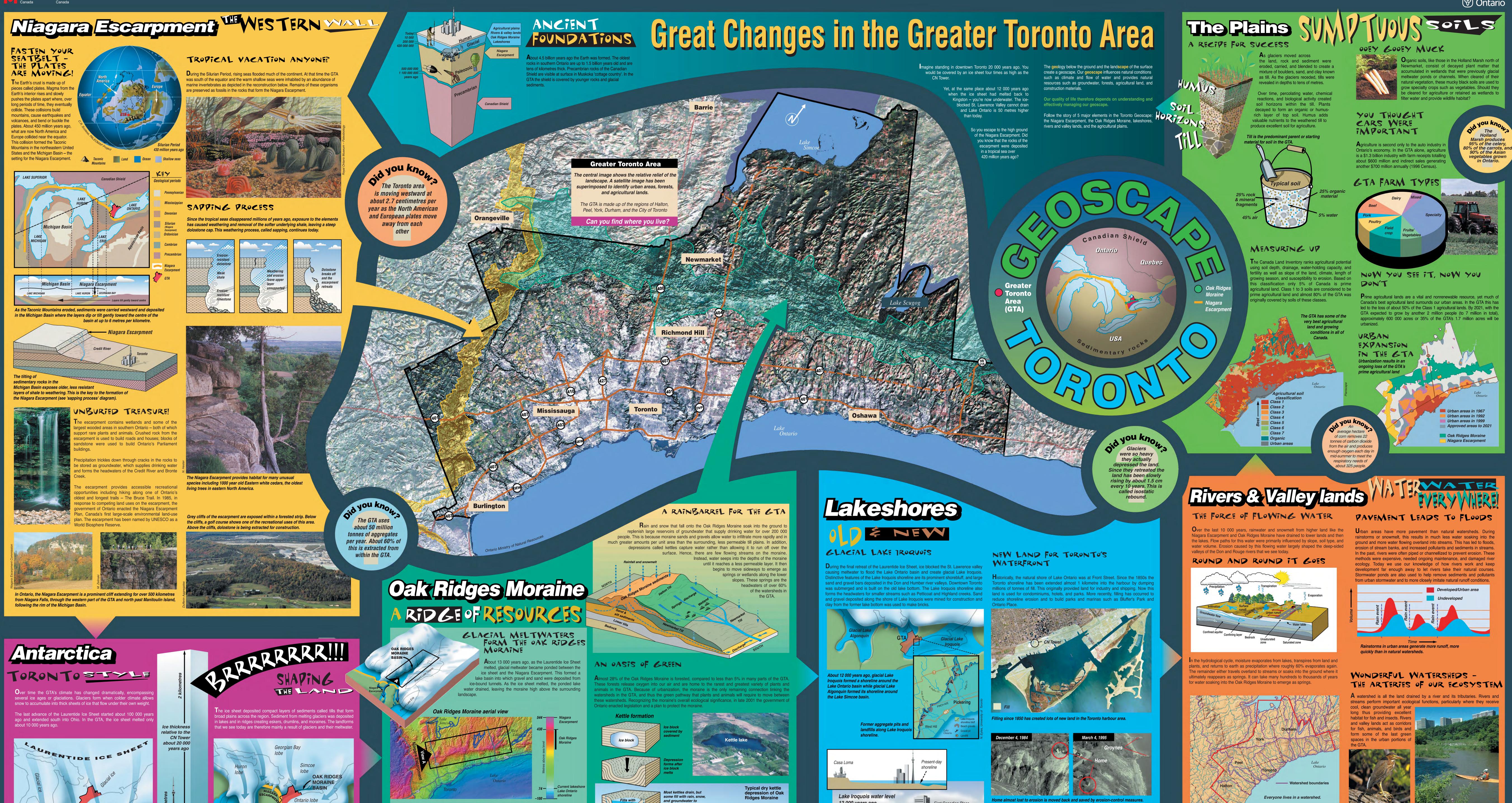
fossils are preserved in

the Don Valley Brick

Works Park.

Urban areas in 1992 Urban areas in 1999 Approved areas to 2021

Oak Ridges Moraine



and groundwater to

The Oak Ridges Moraine stretches 160 kilometres

from the Niagara Escarpment almost to the Trent River. About 65% of it is within the GTA. It rises up to 300 metres above Lake Ontario and

contains deposits of sand and gravel up to

Today, the Oak Ridges Moraine is the

prominent ridge north of Lake

Ontario. The ridge influences the

flow of surface and groundwate

and local climate in the GTA.

200 metres thick.

become kettle lakes or

12 000 years ago

Geoscape Toronto Geological Survey of Canada, Miscellaneous Report 83

Ontario Geological Survey, Poster 6 Compiled by V.C. Doyle and K.G. Steele L.A. Clinton, Prospectors and Developers Association of Canada Mining Matters V.C. Doyle, Ministry of Municipal Affairs and Housing E.B. Freeman, Geoscience teacher J.F. Gartner, Gartner Lee Limited D.A. Green, Toronto and Region Conservation Authority K.M. Kemp, University of Toronto Department of Geology D.M. Rudkin, Royal Ontario Museum

D.R. Sharpe, Geological Survey of Canada K.G. Steele, Ministry of Northern Development and Mines

ome almost lost to erosion is moved back and saved by erosion-control measures.

he steep cliffs of the Scarborough Bluffs are a result of various types of erosion. At the

p. stormwater from roads and houses ran down the bluffs increasing natural erosion and

several homes collapsed. To combat this, runoff from roads has been directed away from

luffs where it seeps out. At the bottom, waves and storm surges from Lake Ontario have

o caused erosion leading to the construction of low stone barriers at the base of the

uffs and the building of groynes at right angles to the shore to trap sediment and create

the bluffs. Along the face of the bluffs, water that has soaked into the ground erodes the

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SHORELINE EROSION AND REPAIR

nall, protective beaches.

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