

Atlas of LAMBTON COUNTY

Surficial Geology with Shaded Relief

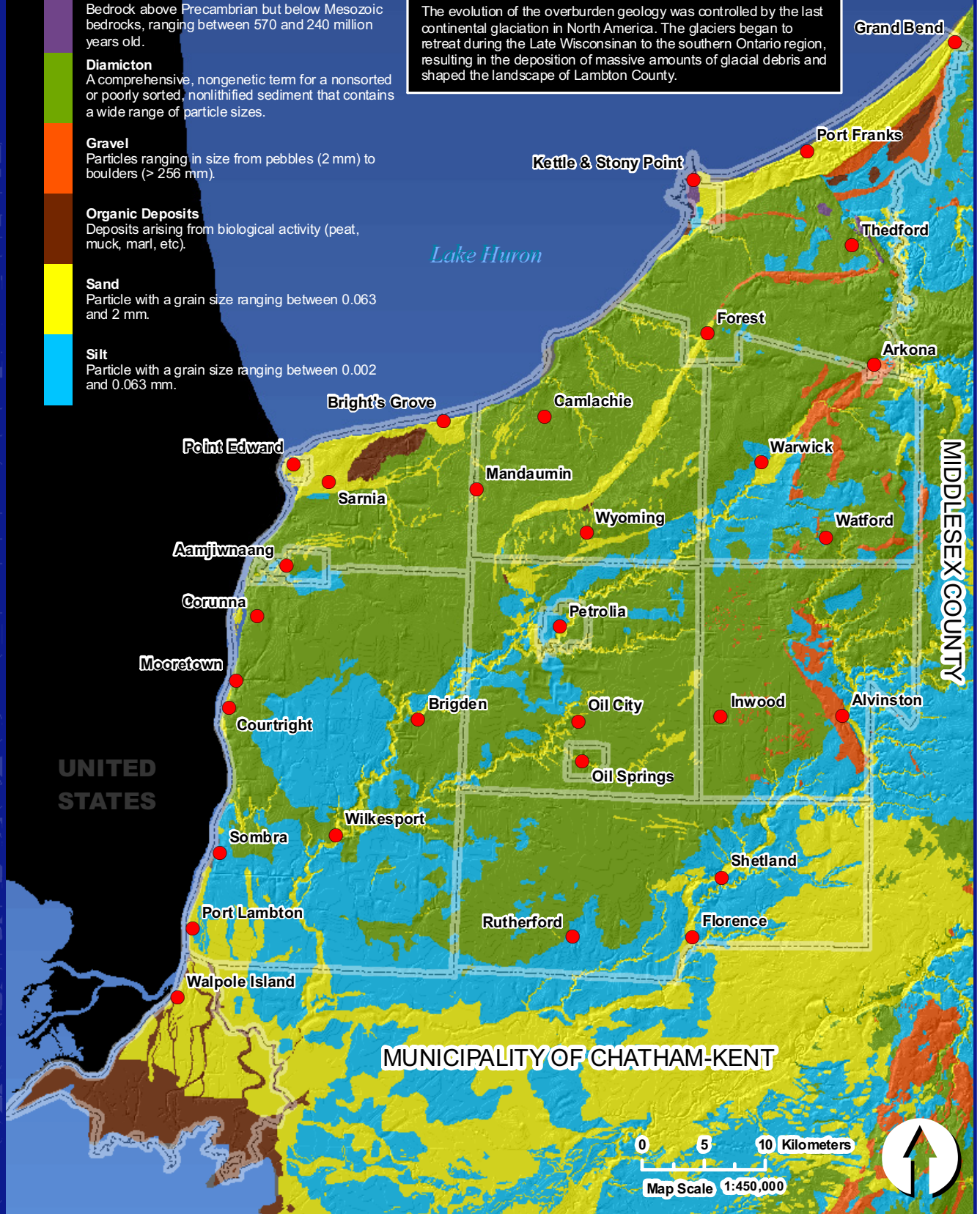
LEGEND

Primary Material:

- Paleozoic Bedrock**
Bedrock above Precambrian but below Mesozoic bedrocks, ranging between 570 and 240 million years old.
- Diamicton**
A comprehensive, nongenetic term for a nonsorted or poorly sorted, nonlithified sediment that contains a wide range of particle sizes.
- Gravel**
Particles ranging in size from pebbles (2 mm) to boulders (> 256 mm).
- Organic Deposits**
Deposits arising from biological activity (peat, muck, marl, etc).
- Sand**
Particle with a grain size ranging between 0.063 and 2 mm.
- Silt**
Particle with a grain size ranging between 0.002 and 0.063 mm.

Surficial geology within Lambton County is almost entirely Quaternary in age, as there is limited exposed bedrock. The thickness of the Quaternary overburden deposits varies significantly from less than 10 metres to a maximum of 120 metres. However, the thickness is typically between 10 and 60 metres.

The evolution of the overburden geology was controlled by the last continental glaciation in North America. The glaciers began to retreat during the Late Wisconsinan to the southern Ontario region, resulting in the deposition of massive amounts of glacial debris and shaped the landscape of Lambton County.



REFERENCE:
Ontario Geological Survey Data provided by the Ministry of Northern Development and Mines. Datum: NAD 83; Projection: UTM Zone 17N

This map is generated by the Corporation of the County of Lambton, Information Technology Department on February 19, 2009.

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