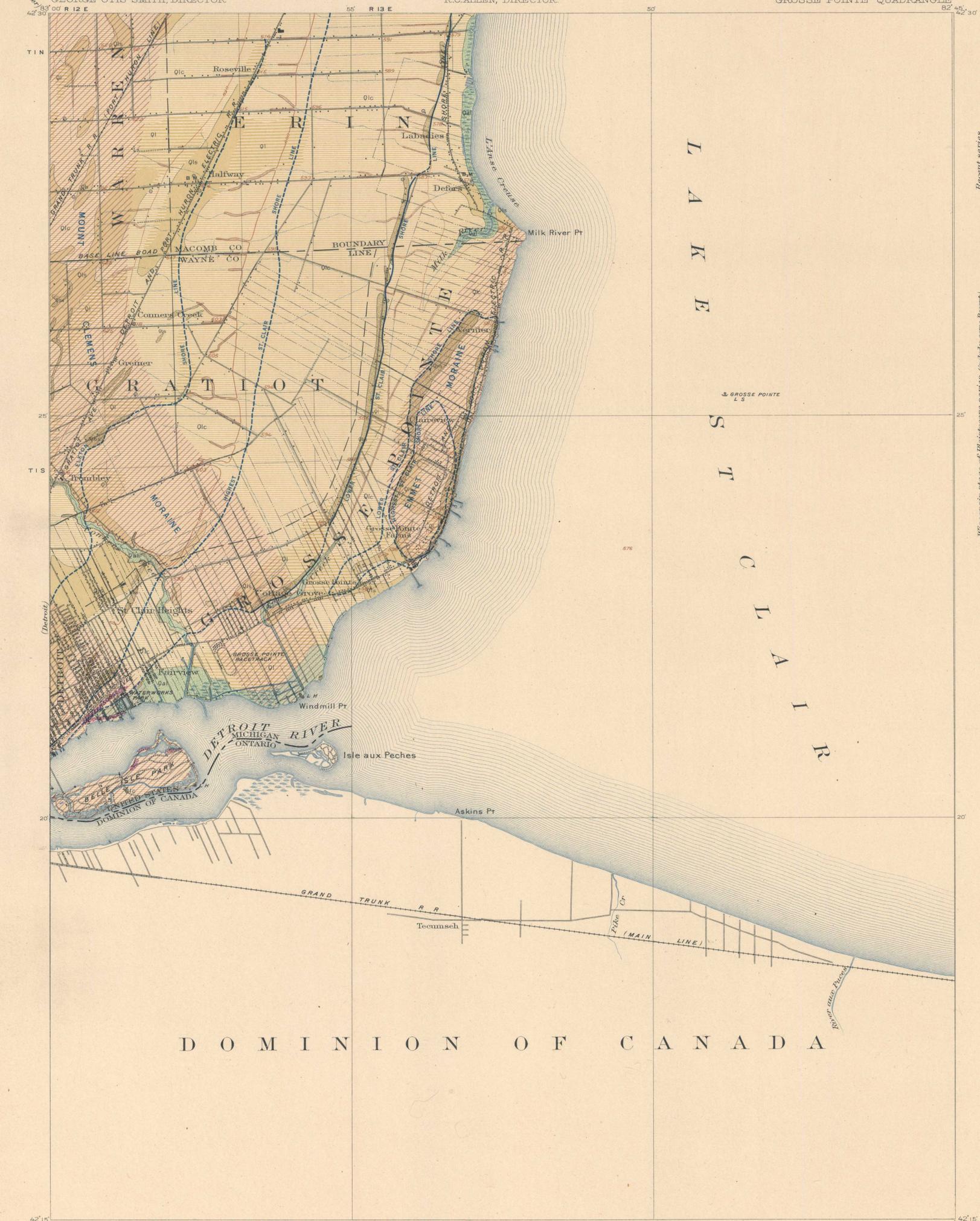


AREAL GEOLOGY

DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY
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STATE OF MICHIGAN
BOARD OF GEOLOGICAL SURVEY
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MICHIGAN
GROSSE POINTE QUADRANGLE



LEGEND

SEDIMENTARY ROCKS

Areas of subaerial deposits are shown by patterns of dots and circles; subaqueous deposits by patterns of parallel lines.

- | | | |
|--|----------------------|---|
| Recent series | Qal | Alluvium
<i>(loam, silt and mud, includes some marsh land; only larger areas shown.)</i> |
| Wisconsin stage of Pleistocene series (includes some Recent) | [Dashed line symbol] | Glacial lake-shore lines
<i>(dashed lines indicate position doubtful or poorly defined.)</i> |
| Deposits in glacial lakes Huron and St. Clair | Qbs | Beach sand, pebbly in places
<i>(includes some dune sand.)</i> |
| Deposits of Huron, Erie, glacial lake | Qls | Lacustrine sand in bed of glacial lakes
<i>(includes some beach and dune sand.)</i> |
| QUATERNARY | Ql | Lacustrine loamy soil in bed of glacial lakes
<i>(admixture of sand and clay.)</i> |
| | Qlc | Chiefly lacustrine clay in bed of glacial lakes
<i>(more or less reworked moraine clay pebbly in places.)</i> |
| | Qmc | Moraine largely covered by thin lake sediments
<i>(Detroit interlobate moraine and Mount Clemens and Emmet moraines deposited in glacial Lake Huron; their upper portions consist of fine lacustrine sand and clay; minor ridges of exposed moraine clay or Emmet moraine, Qmc.)</i> |

Note: Distribution of bedrock formations is shown in figure in text.

Economic note: Clay for brick and tile manufacture can be obtained from Qlc; building sand for building and sand, lime brick from Qbs and Qls.

• Gas wells

DOMINION OF CANADA

Scale 1:2500
1 2 3 4 Miles
1 2 3 4 5 Kilometers

Contour interval 20 feet.
Datum to mean sea level.
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Geology by W. H. Sherzer
Surveyed in 1911.
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