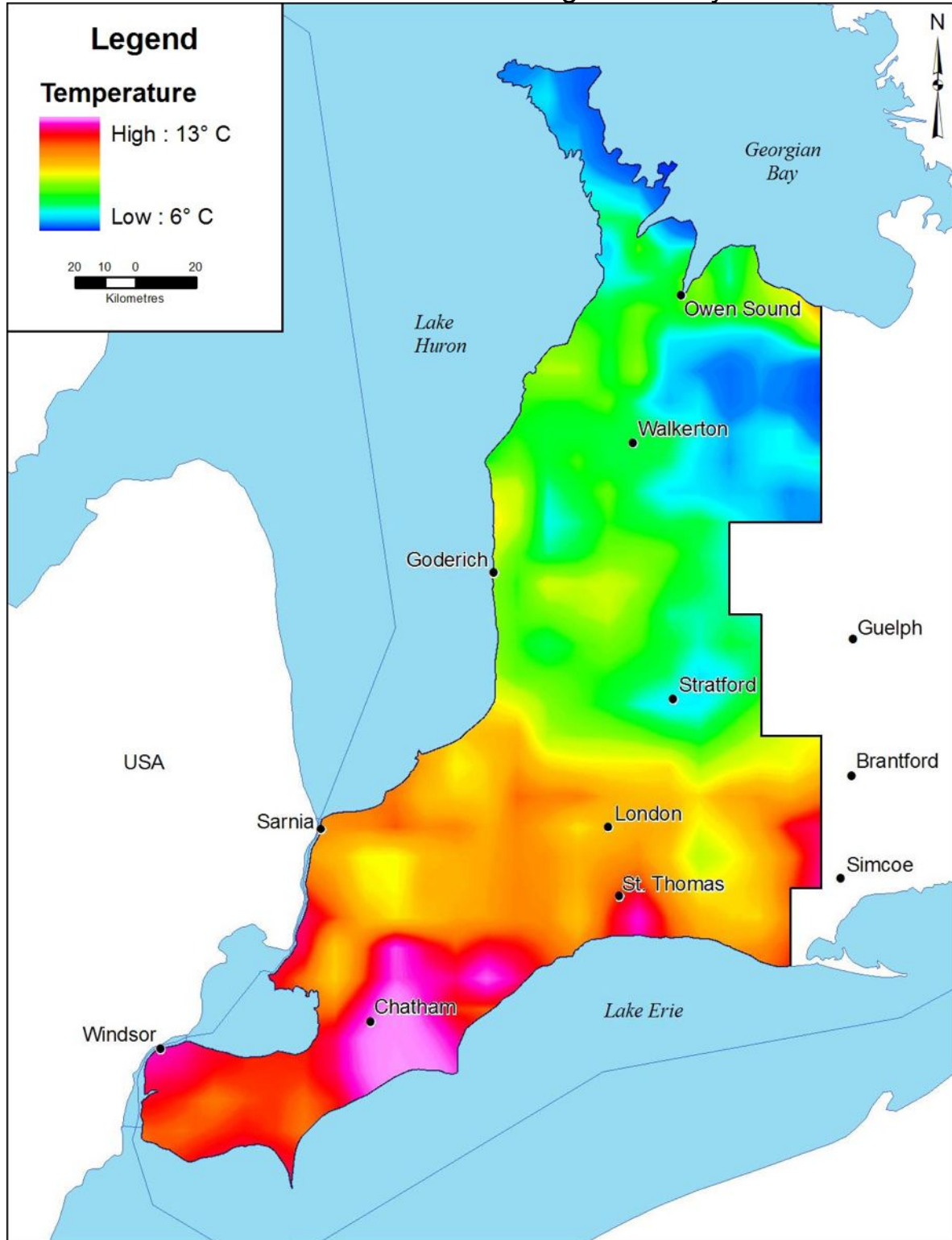


# Renewable Geothermal Heat Chatham – St Thomas area.

Groundwater Temperatures  
MNDMF - Ontario Geological Survey



**Regional Geothermal Heat, Chatham – St. Thomas Area**  
**Ministry of Northern Development, Mines and Forestry**  
**Ontario Geological Survey**

**Results:**

A groundwater heat anomaly in the Chatham – St. Thomas area (hot purple-red colour on the image) presents an opportunity to promote the development of renewable, green geothermal energy in southwestern Ontario.

**Policy Relevance:**

- A) Renewable clean energy source;
- B) Innovation, job creation in the renewable energy (ground heat source) sector;

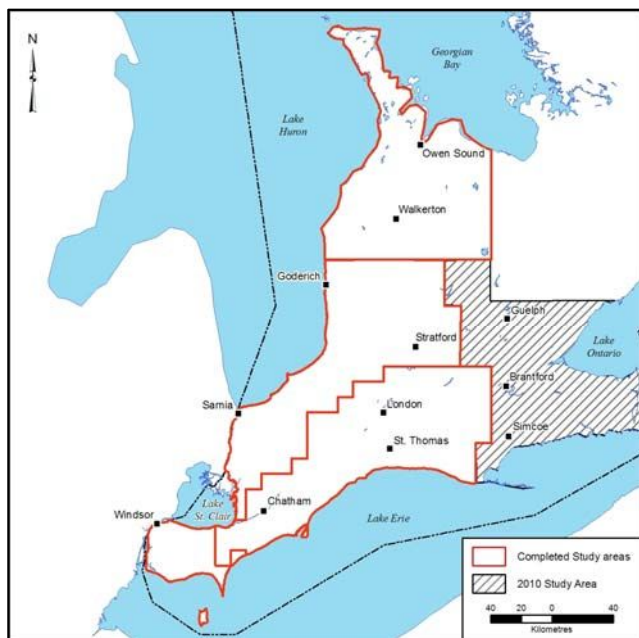
**Public Relevance:**

The presence of warm water deep beneath the Chatham – St. Thomas region will:

- support the wide spread development of geothermal, in-ground heating systems suitable for homes and the commercial greenhouse commercial sector;
- reduce the cost of heating the energy intensive commercial greenhouse industry;
- assist Ontario in meeting its clean, renewable energy policy objectives by helping to decrease Ontario's emissions of greenhouse gases through increased and regional use of geothermal (ground sourced) heat energy;
- create economic development opportunities for the manufacturing and installation of commercial and residential ground-sourced heating systems.

**Methods:**

The ground heat anomaly was identified during a regional groundwater sampling program, undertaken by MNDMF's Ontario Geological Survey (OGS).



**Next Steps:**

- a) Trace the extent of the geothermal heat anomaly to the east;
- b) Test for additional ground heat resources in southern Ontario (see image to left) as part of the OGS groundwater sampling program.

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