

Quinte  
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Moira River, Napanee Region and Prince Edward Region Watersheds.  
RR # 2, 2061 Old Highway # 2, Belleville, Ontario, K8N 4Z2.  
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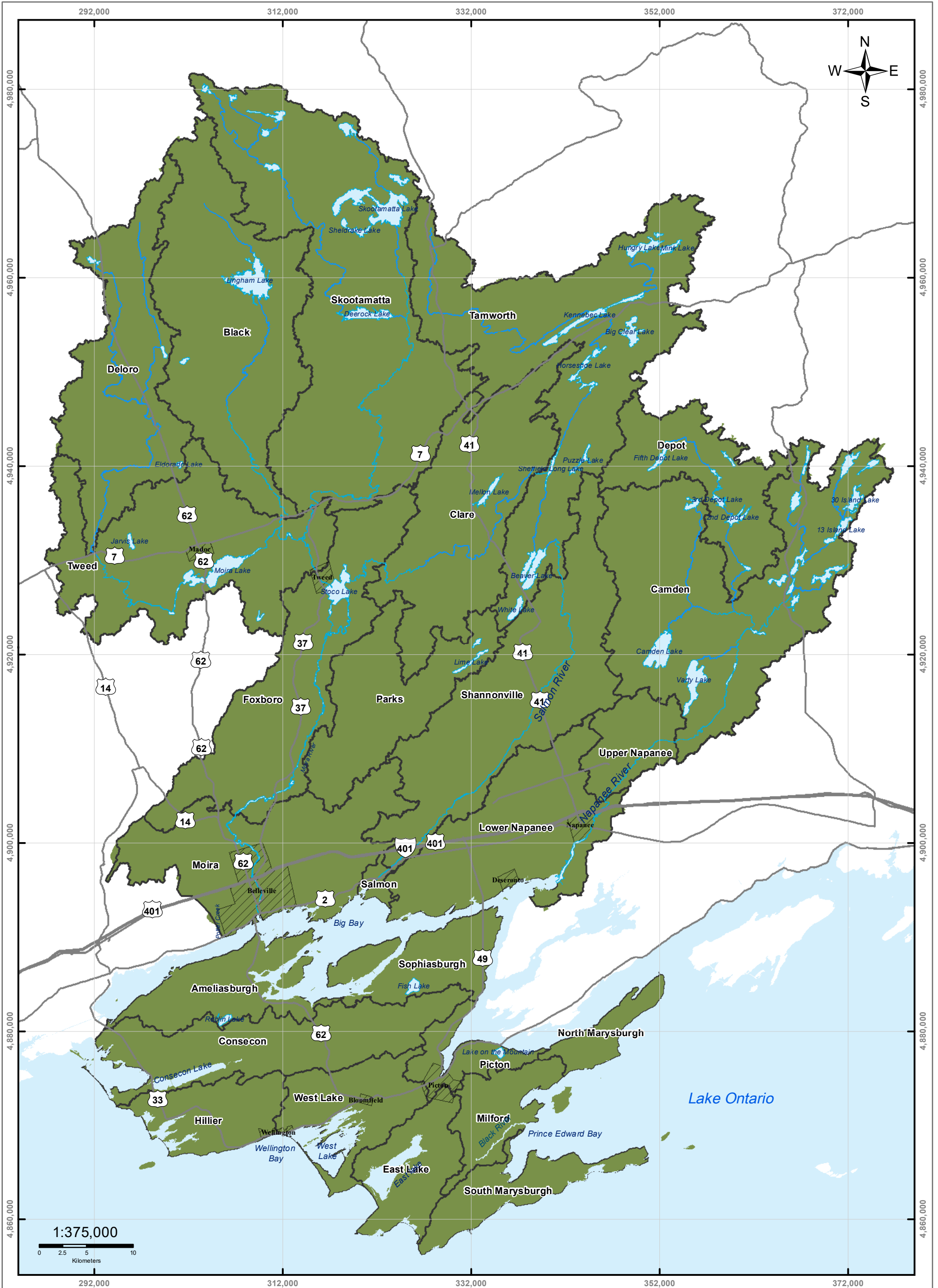
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- Legend**
- Highway 401
  - Lakes
  - Precambrian Terrane
  - Highways
  - Quinte Watershed Areas
  - Limestone Terrane
  - Rivers
  - Populated Areas
  - Prince Edward County Region

**Map 2.1 Quinte Conservation Watersheds**





### Legend

- Highway 401
- Rivers
- Subwatersheds
- Quinte Source Protection Planning Area
- Highways
- Lakes
- ▨ Populated Areas

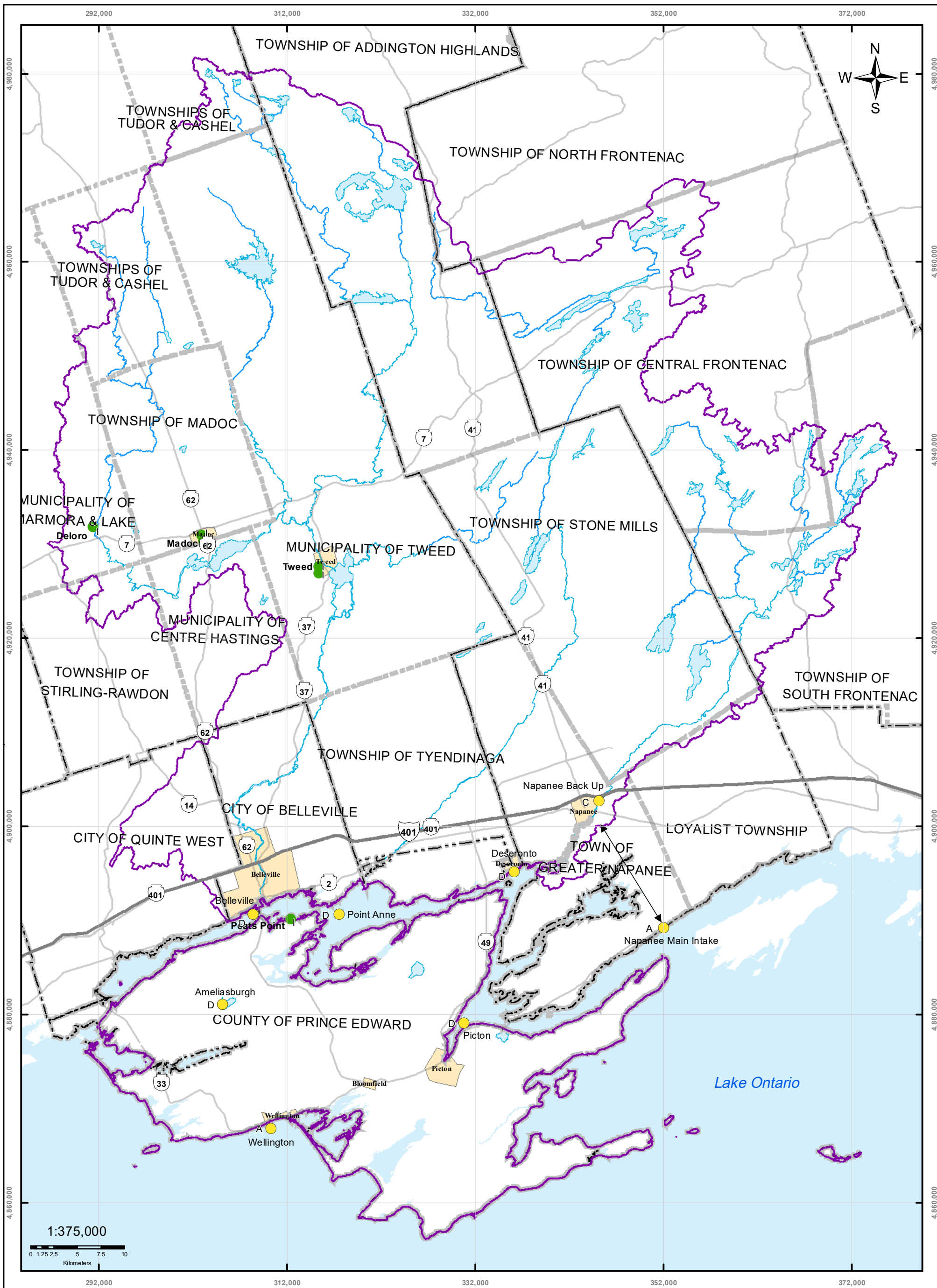
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# Map 2.2 Quinte Conservation Subwatersheds




  
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


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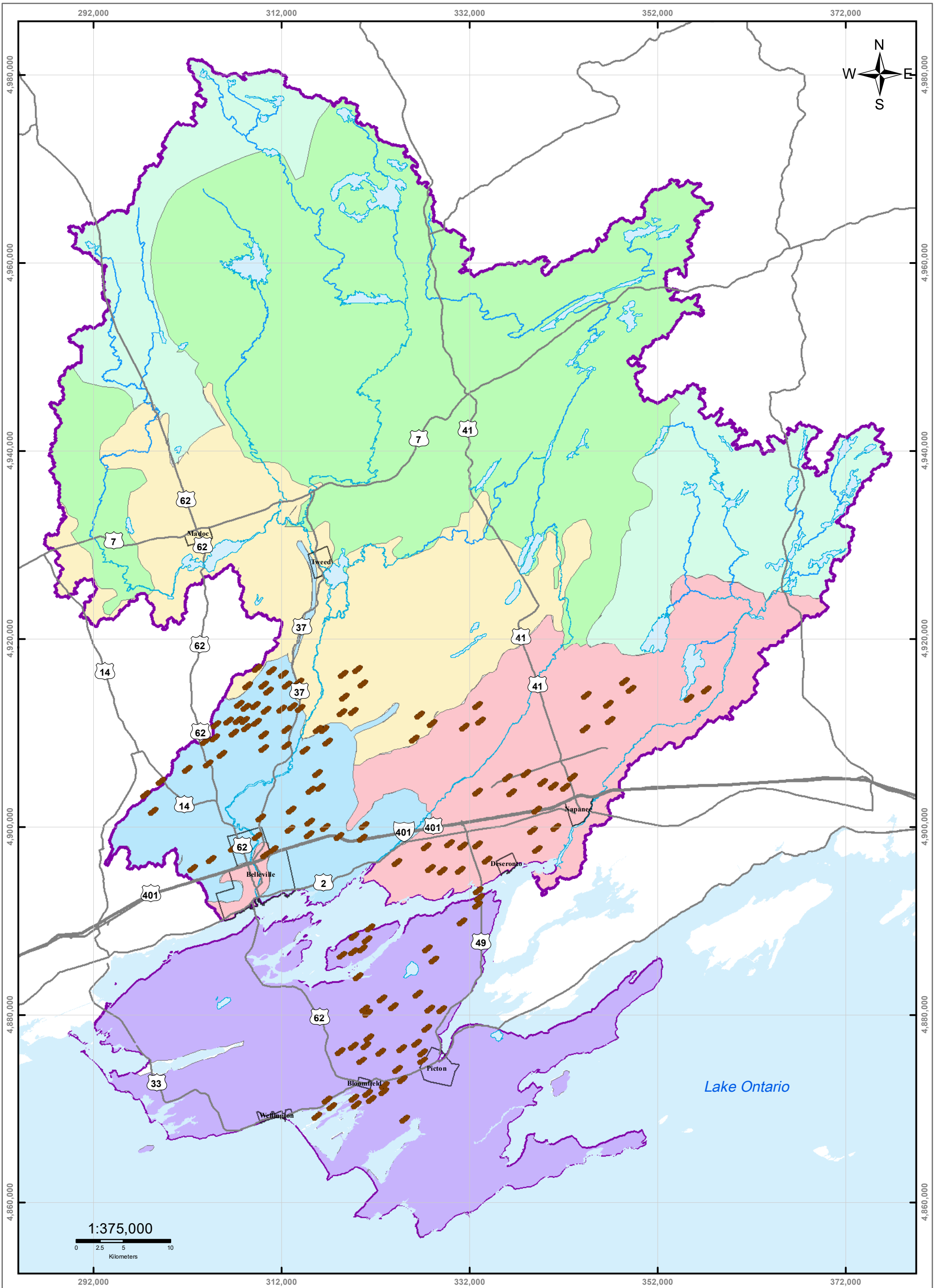
Digital Mapping Sources:  
 Base Map - Ministry of Natural Resources  
 Drinking Water System Locations - MOE

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**Legend**

	Municipal Drinking Water Wells		Highway 401		County Boundaries
	Municipal Drinking Water Intakes		Highways		Township Boundaries
	Rivers		Approximate Service Locations		Quinte Watershed Area
	Lakes				

**Map 2.3**  
**Drinking Water System Locations & Areas Served**

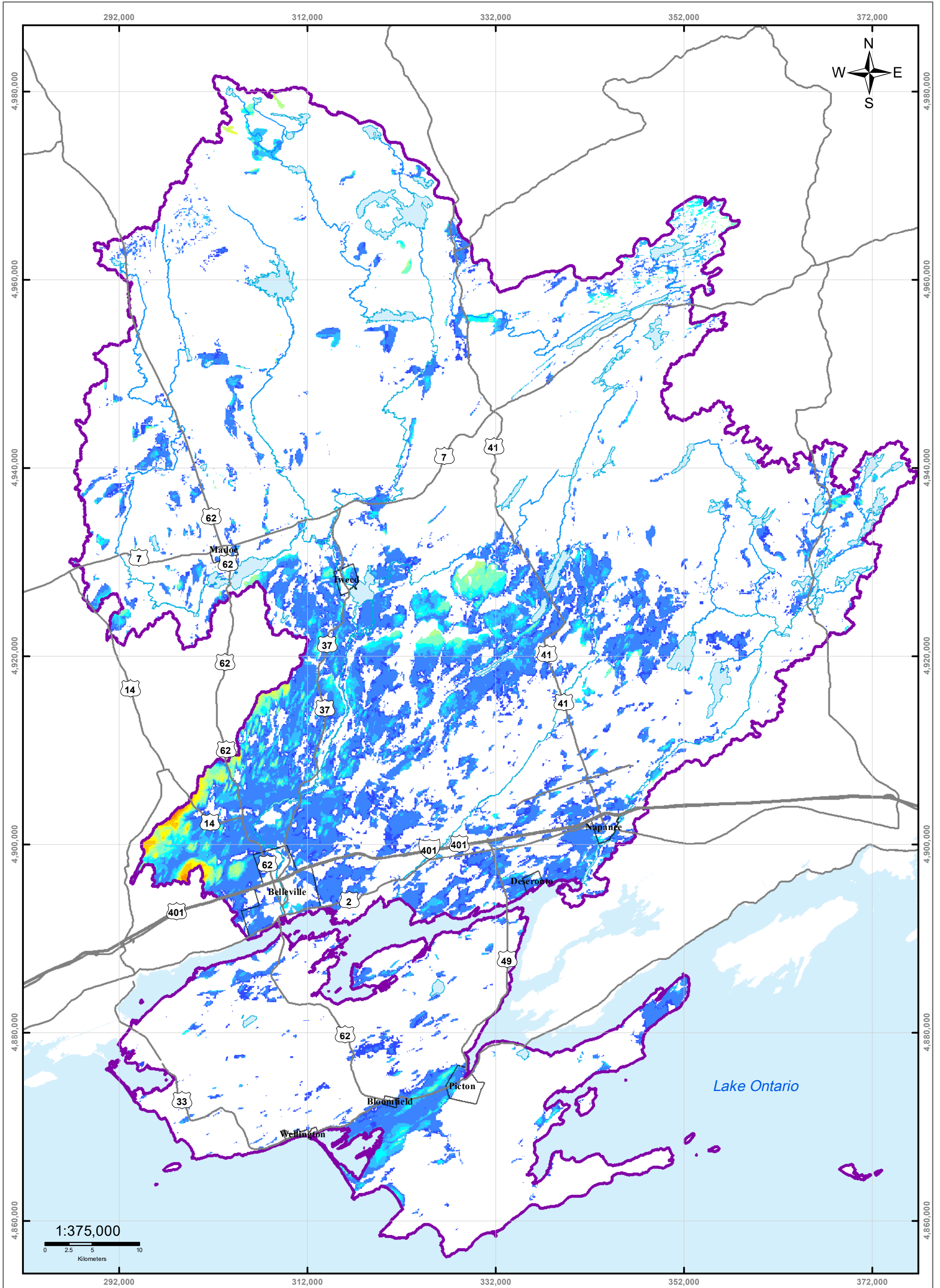


**Legend**

-  Drumlins
-  Rivers
-  Lakes
-  Highways
-  Populated Areas
-  Quinte Watershed
-  Physiographic Regions
-  Peterborough Drumlin Field
-  Dummer Moraines (Hummocky Topography)
-  Algonquin Highlands
-  Georgian Bay Fringe
-  Prince Edward Peninsula
-  Napanee Plain

**Map 2.4 Physiographic Regions**





**Legend**

— Highway 401	— Lakes	<b>Overburden Thickness (m)</b>	10 - 15	40 - 50	80 - 100
— Highways	— Populated Areas	<1.5	15 - 20	50 - 60	> 100
— Rivers	— Quinte Watershed	1.5 - 3	20 - 30	60 - 70	
		3 - 10	30 - 40	70 - 80	

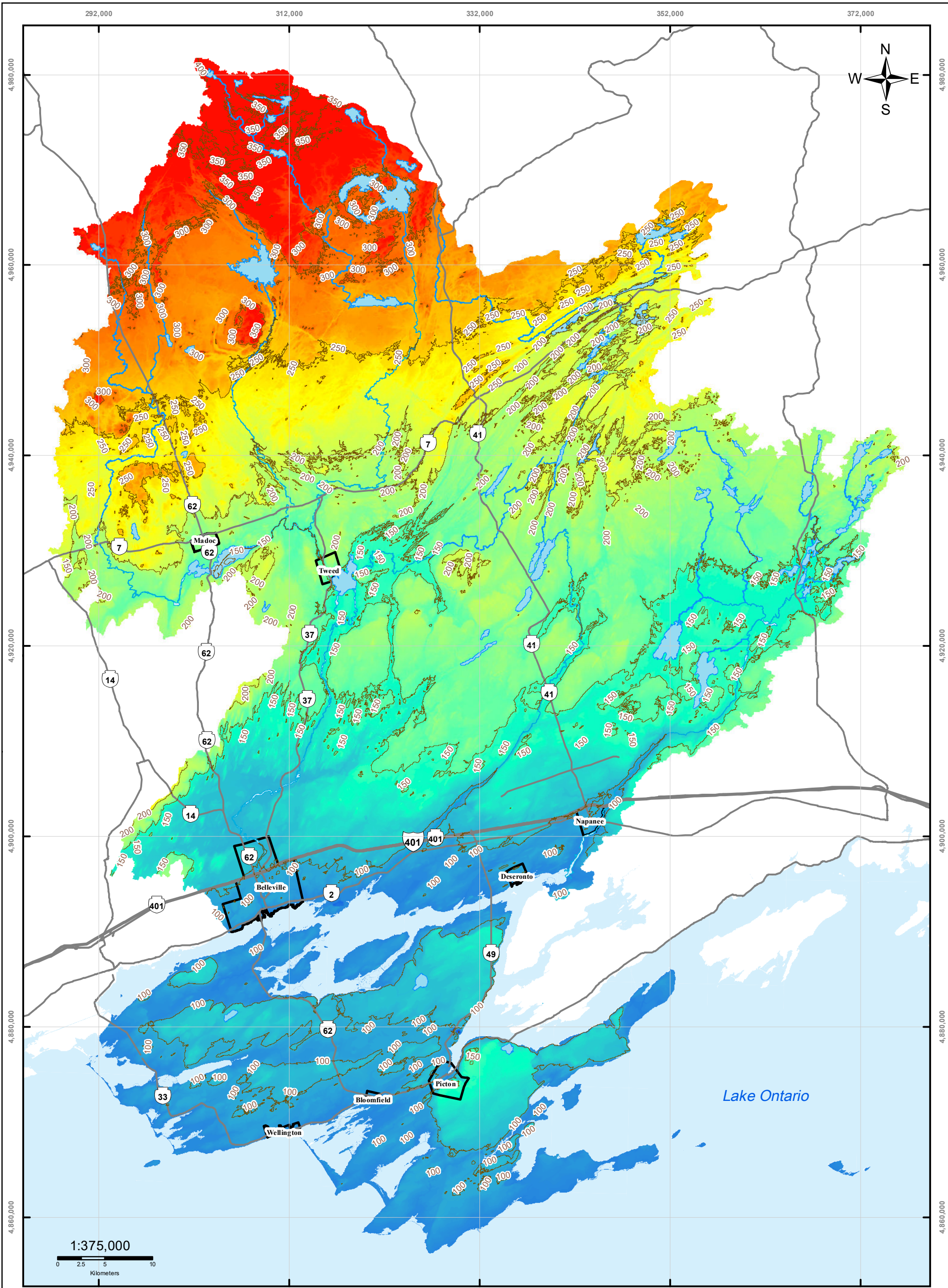
**Map 2.5 Overburden Thickness**

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 Digital Mapping Sources:  
 Base Map - Ontario Ministry of Natural Resources  
 Overburden Thickness - Dillon Consulting for QC






  
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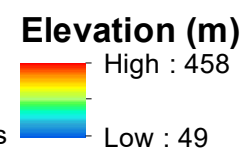
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 Digital Elevation Model - Ministry of Natural Resources

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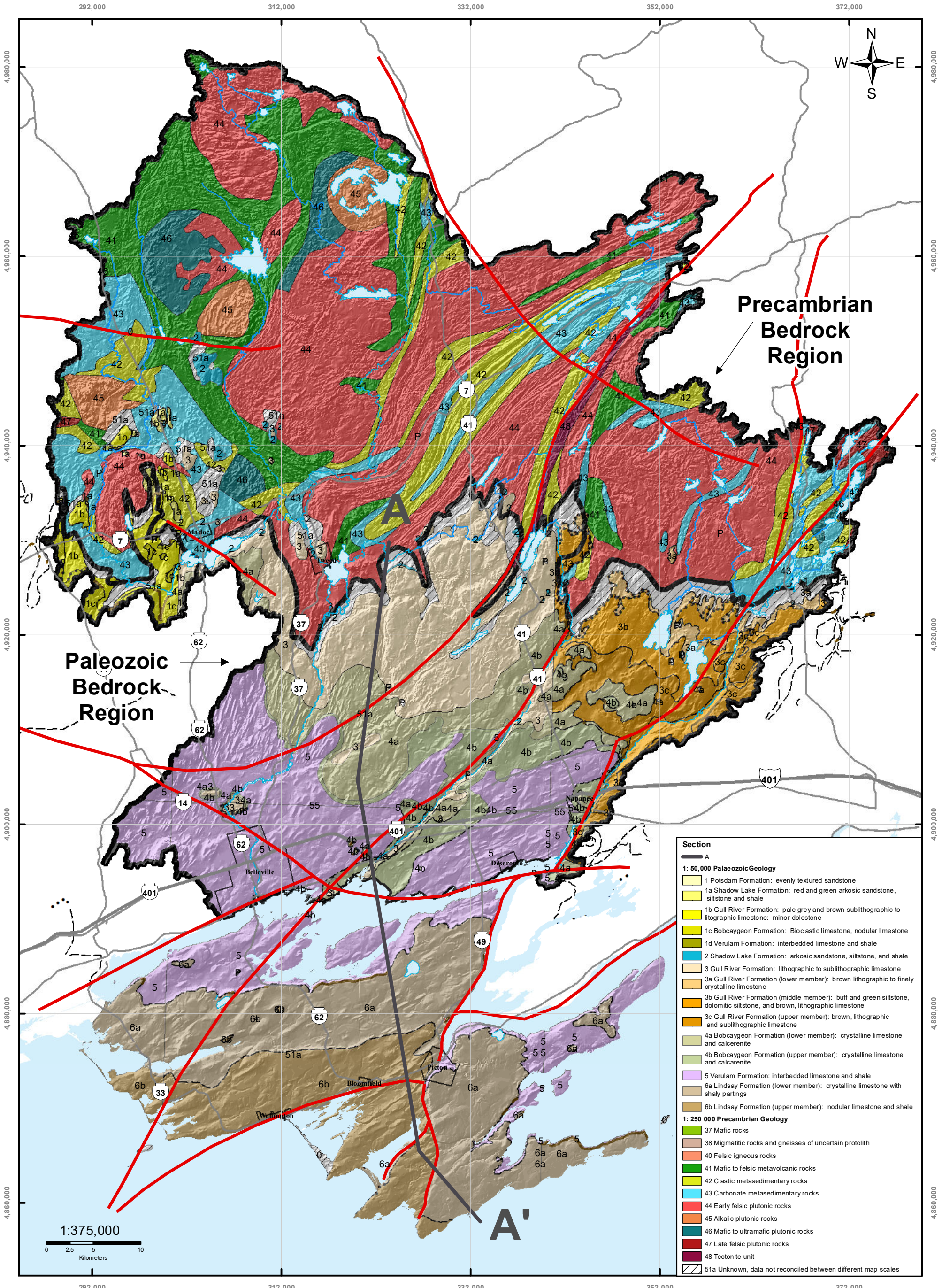
**Legend**

-  contour50m
-  Rivers
-  Lakes
-  Highway 401
-  Highways
-  Populated Areas



**Map 2.6 Topography**





**Section**

**1: 50,000 Paleozoic Geology**


- 1 Potsdam Formation: evenly textured sandstone
- 1a Shadow Lake Formation: red and green arkosic sandstone, siltstone and shale
- 1b Gull River Formation: pale grey and brown sublithographic to lithographic limestone: minor dolostone
- 1c Bobcaygeon Formation: Bioclastic limestone, nodular limestone
- 1d Verulam Formation: interbedded limestone and shale
- 2 Shadow Lake Formation: arkosic sandstone, siltstone, and shale
- 3 Gull River Formation: lithographic to sublithographic limestone
- 3a Gull River Formation (lower member): brown lithographic to finely crystalline limestone
- 3b Gull River Formation (middle member): buff and green siltstone, dolomitic siltstone, and brown, lithographic limestone
- 3c Gull River Formation (upper member): brown, lithographic and sublithographic limestone
- 4a Bobcaygeon Formation (lower member): crystalline limestone and calcarenite
- 4b Bobcaygeon Formation (upper member): crystalline limestone and calcarenite
- 5 Verulam Formation: interbedded limestone and shale
- 6a Lindsay Formation (lower member): crystalline limestone with shaly partings
- 6b Lindsay Formation (upper member): nodular limestone and shale

**1: 250,000 Precambrian Geology**

- 37 Mafic rocks
- 38 Migmatitic rocks and gneisses of uncertain protolith
- 40 Felsic igneous rocks
- 41 Mafic to felsic metavolcanic rocks
- 42 Clastic metasedimentary rocks
- 43 Carbonate metasedimentary rocks
- 44 Early felsic plutonic rocks
- 45 Alkalic plutonic rocks
- 46 Mafic to ultramafic plutonic rocks
- 47 Late felsic plutonic rocks
- 48 Tectonite unit
- 51a Unknown, data not reconciled between different map scales

- Legend**
- Approximate Faults
  - Interpreted Faults
  - Geological Boundary - position approximate
  - Geological Boundary - position interpreted
  - Geological Boundary - observed
  - Highway 401
  - Highways
  - Populated Areas
  - Rivers
  - Lakes

**Map 2.7 Bedrock Geology**



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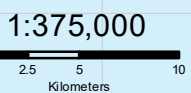
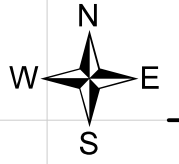
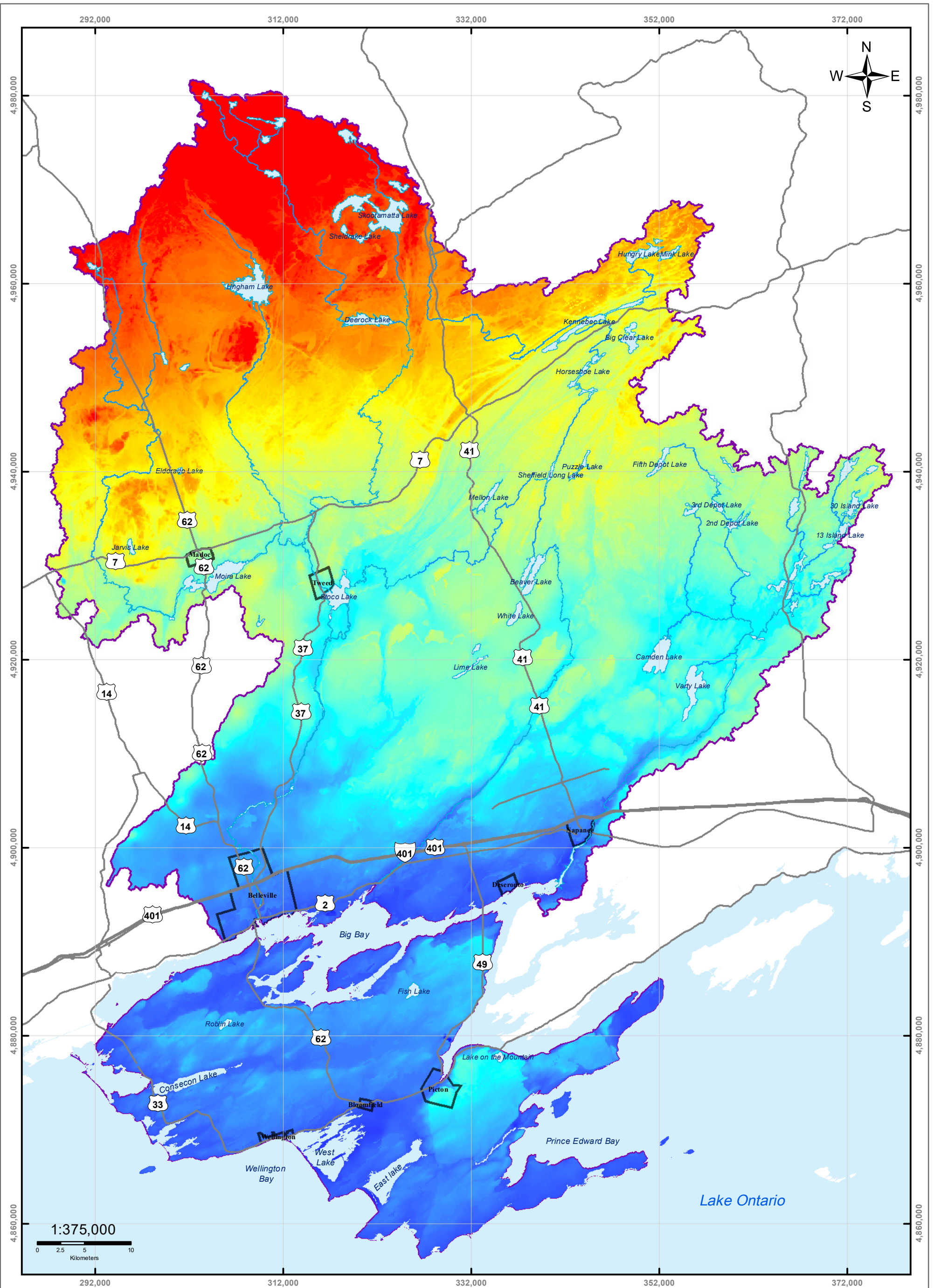
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Base Map - Ministry of Natural Resources  
Bedrock Geology - Ministry of Natural Resources

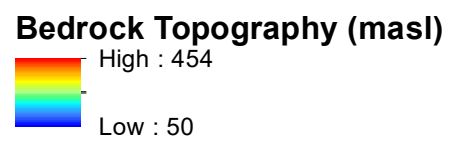
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**Legend**

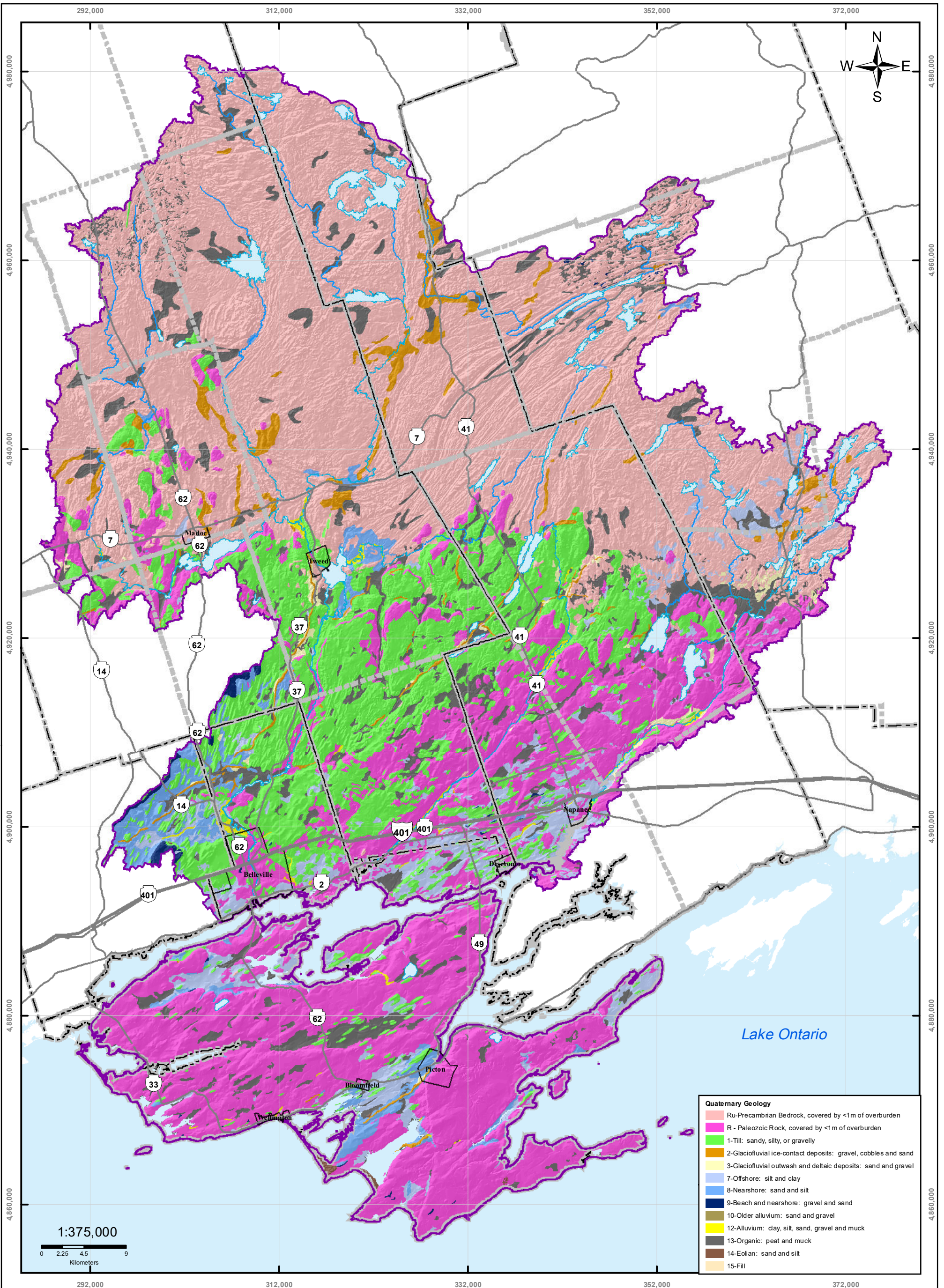
- Highway 401
- Highways
- Rivers
- Lakes
- Populated Areas
- Quinte Watershed



**Map 2.8 Bedrock Topography**

  
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Surficial Geology - Ministry of Natural Resources

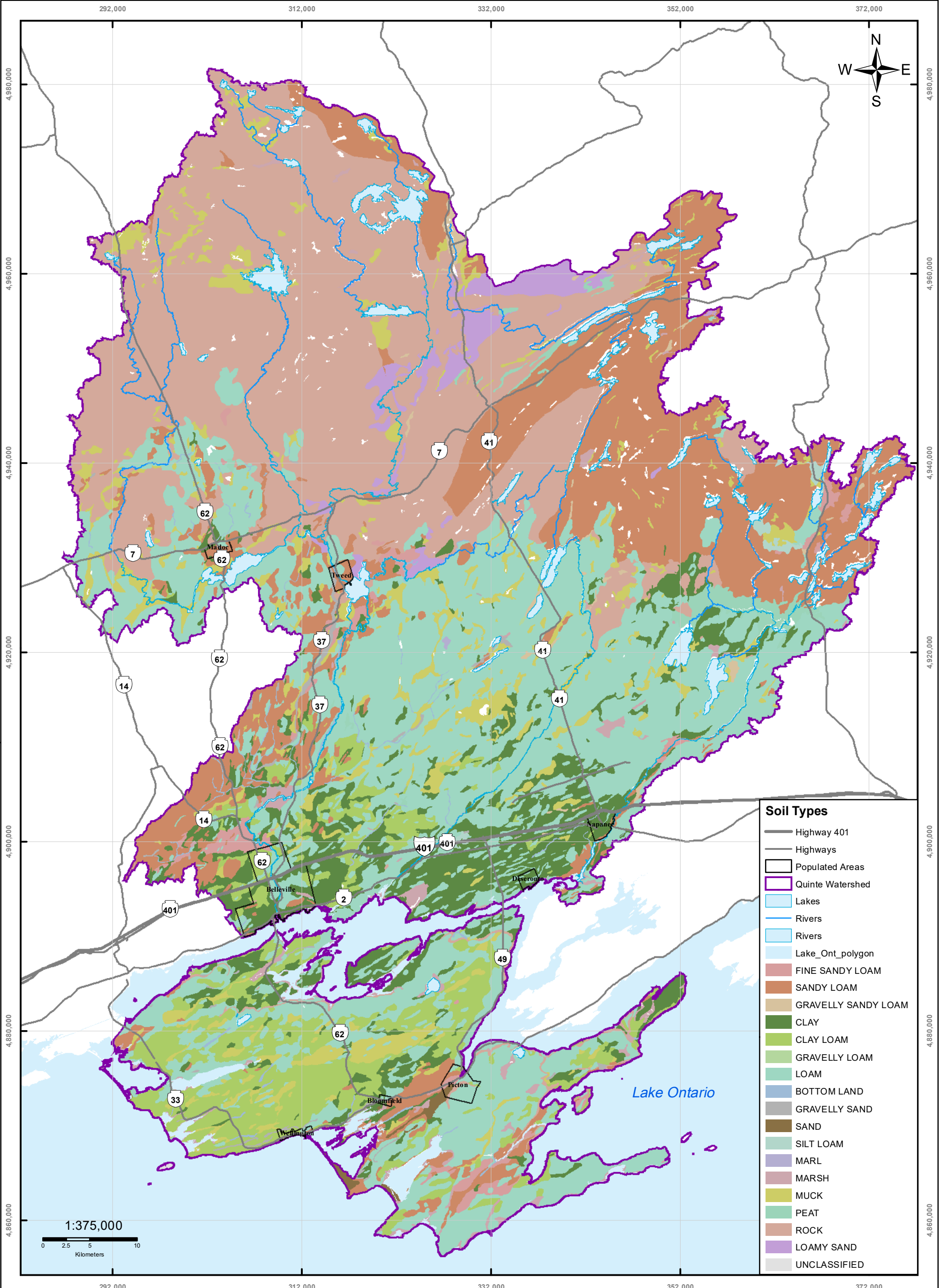
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**Legend**

- Highway 401
- Highways
- Rivers
- Lakes
- County Boundaries
- Township Boundaries
- Populated Areas
- Quinte Watershed

# Map 2.9 Surficial Geology






- Soil Types**
- Highway 401
  - Highways
  - ▭ Populated Areas
  - ▭ Quinte Watershed
  - ▭ Lakes
  - ▭ Rivers
  - ▭ Rivers
  - ▭ Lake\_Ont\_polygon
  - ▭ FINE SANDY LOAM
  - ▭ SANDY LOAM
  - ▭ GRAVELLY SANDY LOAM
  - ▭ CLAY
  - ▭ CLAY LOAM
  - ▭ GRAVELLY LOAM
  - ▭ LOAM
  - ▭ BOTTOM LAND
  - ▭ GRAVELLY SAND
  - ▭ SAND
  - ▭ SILT LOAM
  - ▭ MARL
  - ▭ MARSH
  - ▭ MUCK
  - ▭ PEAT
  - ▭ ROCK
  - ▭ LOAMY SAND
  - ▭ UNCLASSIFIED

**Legend**

- Highway 401
- Highways
- ▭ Populated Areas
- ▭ Lakes
- ▭ Rivers
- ▭ Quinte Watershed

**Map 2.10 Soil Types**



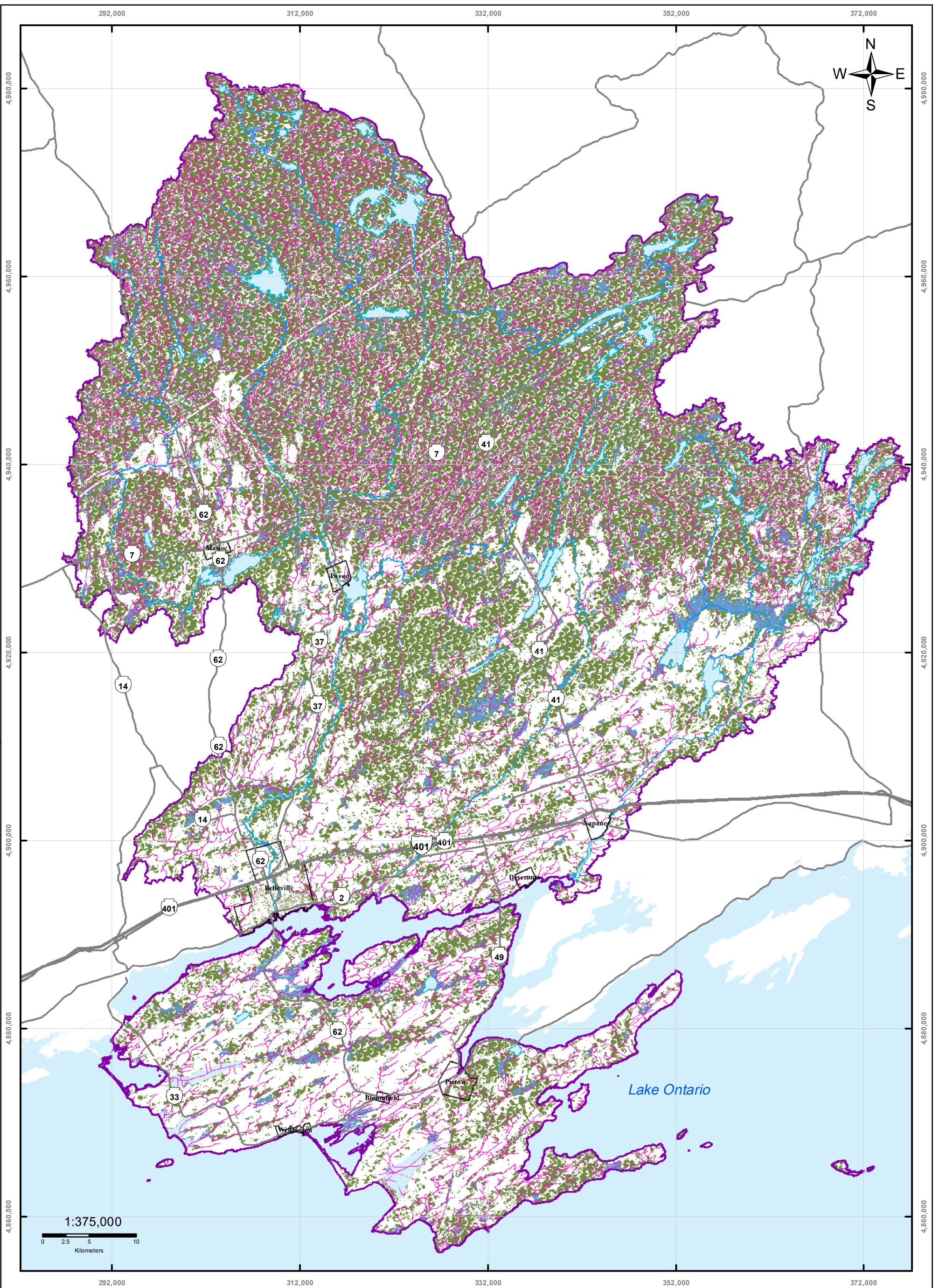

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 Soil Data - Ministry of Natural Resources

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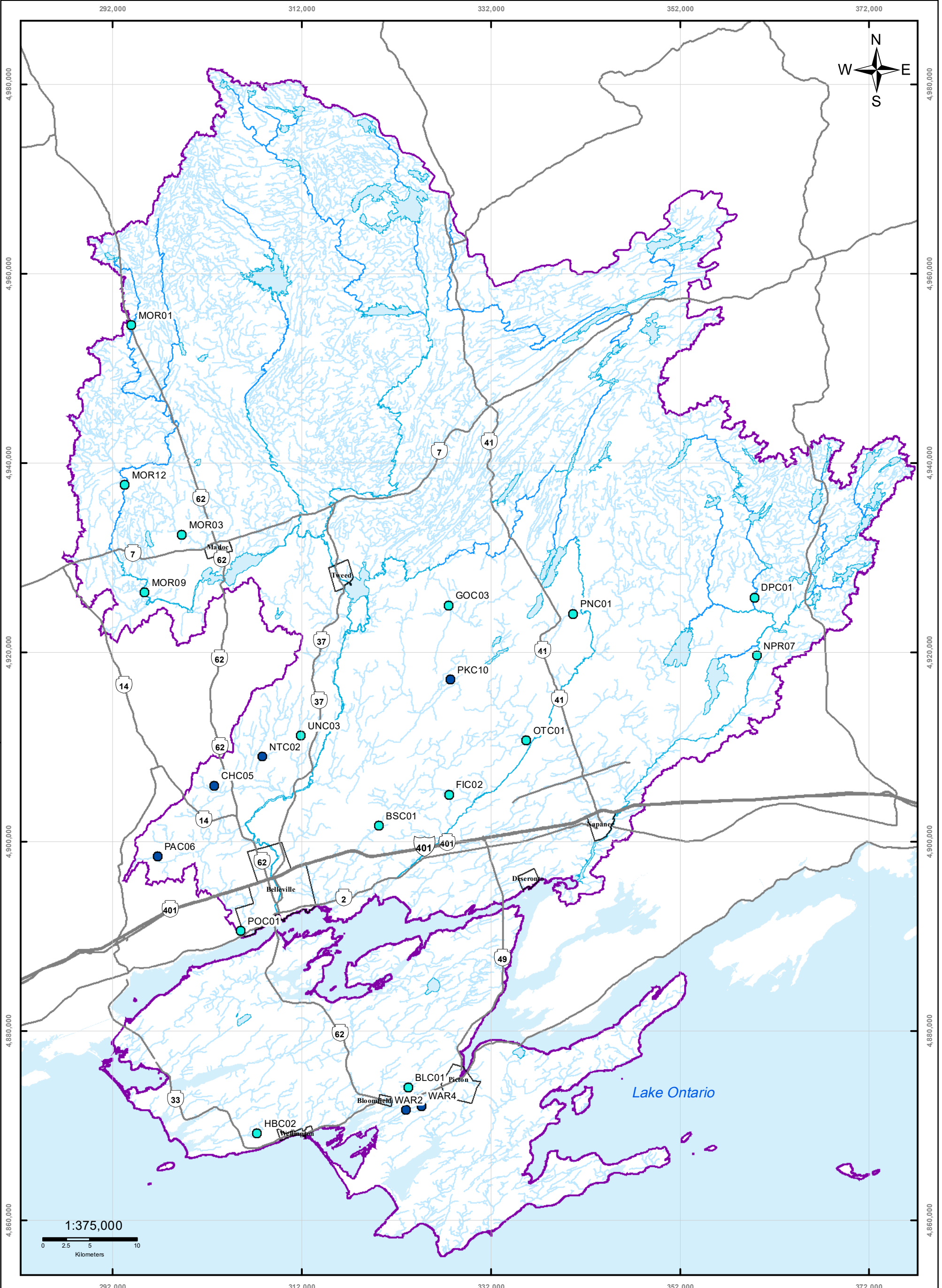
Gap

**Legend**

Highway 401	Rivers	Quinte Watershed	Wetland Area, Permanent
Highways	Lakes	Stream Buffer (30 meters)	Wooded Areas

Map 2.11 Natural Vegetative Cover





**Legend**

- Highway 401
  - Rivers
  - Quinte Watershed
  - Highways
  - Lakes
  - creeks
  - Cold
  - Cool
  - Warm
- 2006/2007 Avg Temp (celcius)**

**Map 2.12 Stream Temperature Classes**



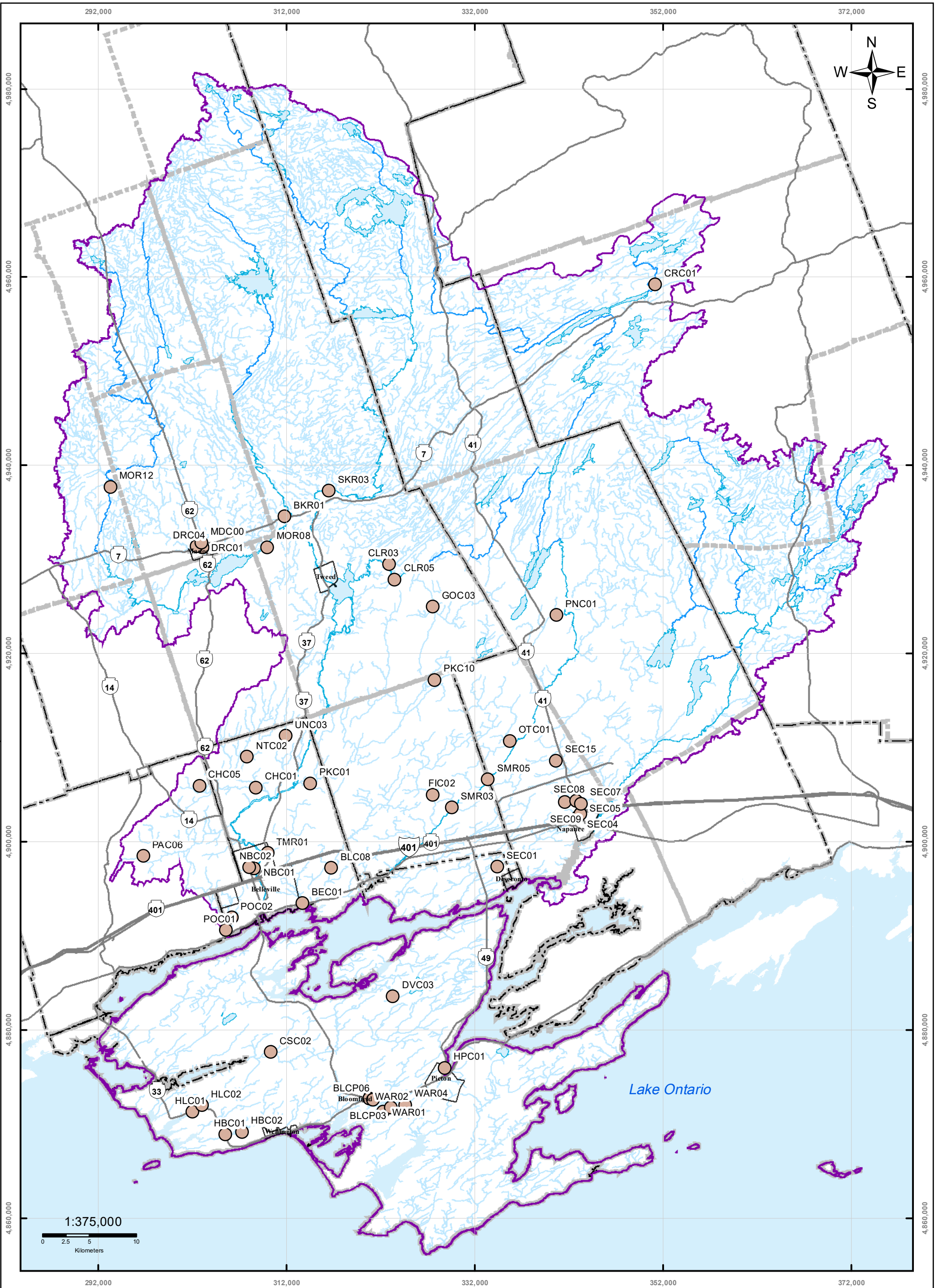
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Soil Data - Ministry of Natural Resources

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**Legend**

- OBBN Sites
- Rivers
- Highway 401
- Lakes
- Highways
- Quinte Watershed
- County Boundaries
- Township Boundaries

# Map 2.13 Aquatic Macroinvertebrate Communities



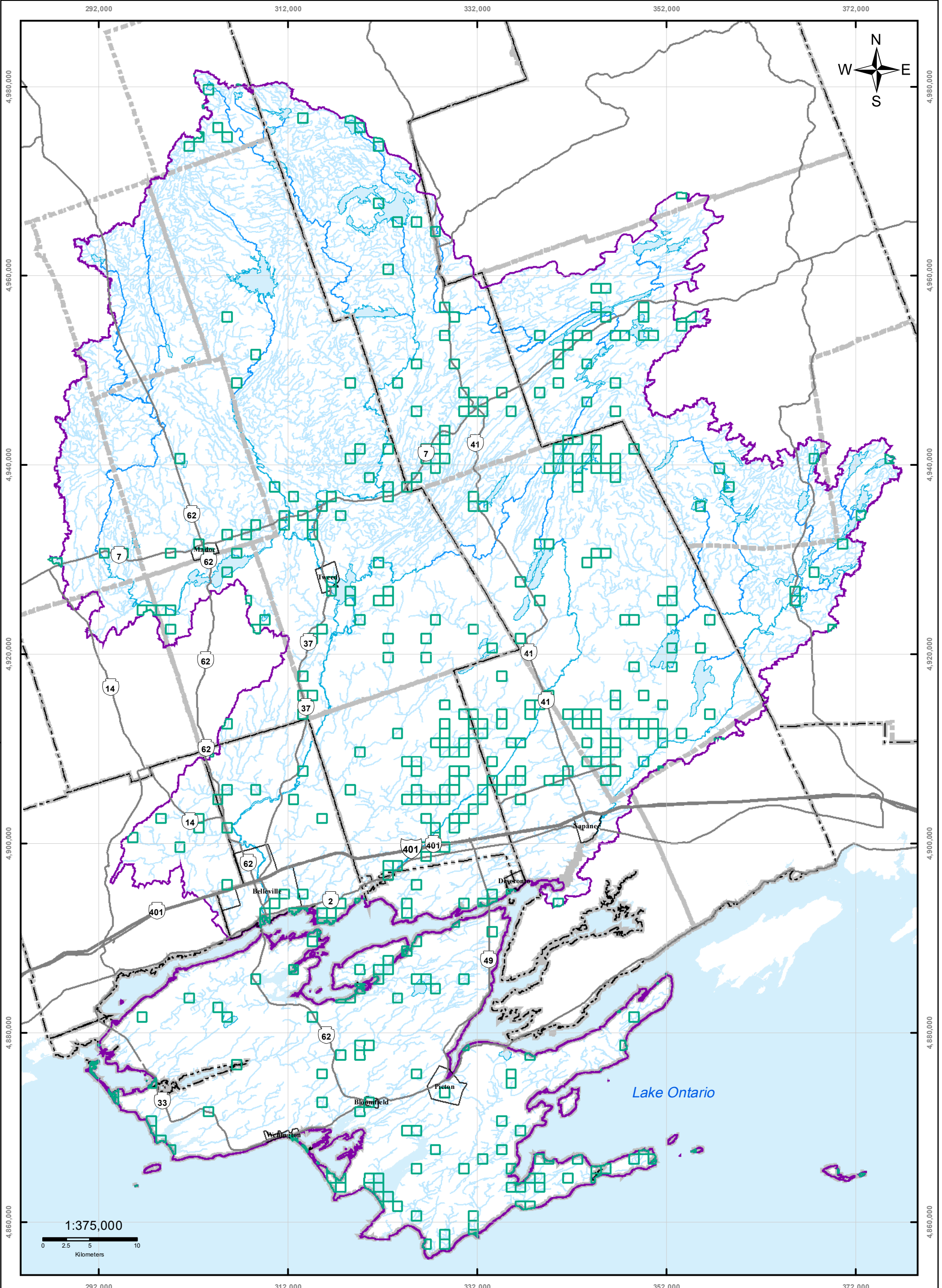
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**Legend**

- Rare Species Occurrence
- Highway 401
- Highways
- Rivers
- Lakes
- Quinte Watershed
- County Boundaries
- Township Boundaries
- Rare Species Occurrence



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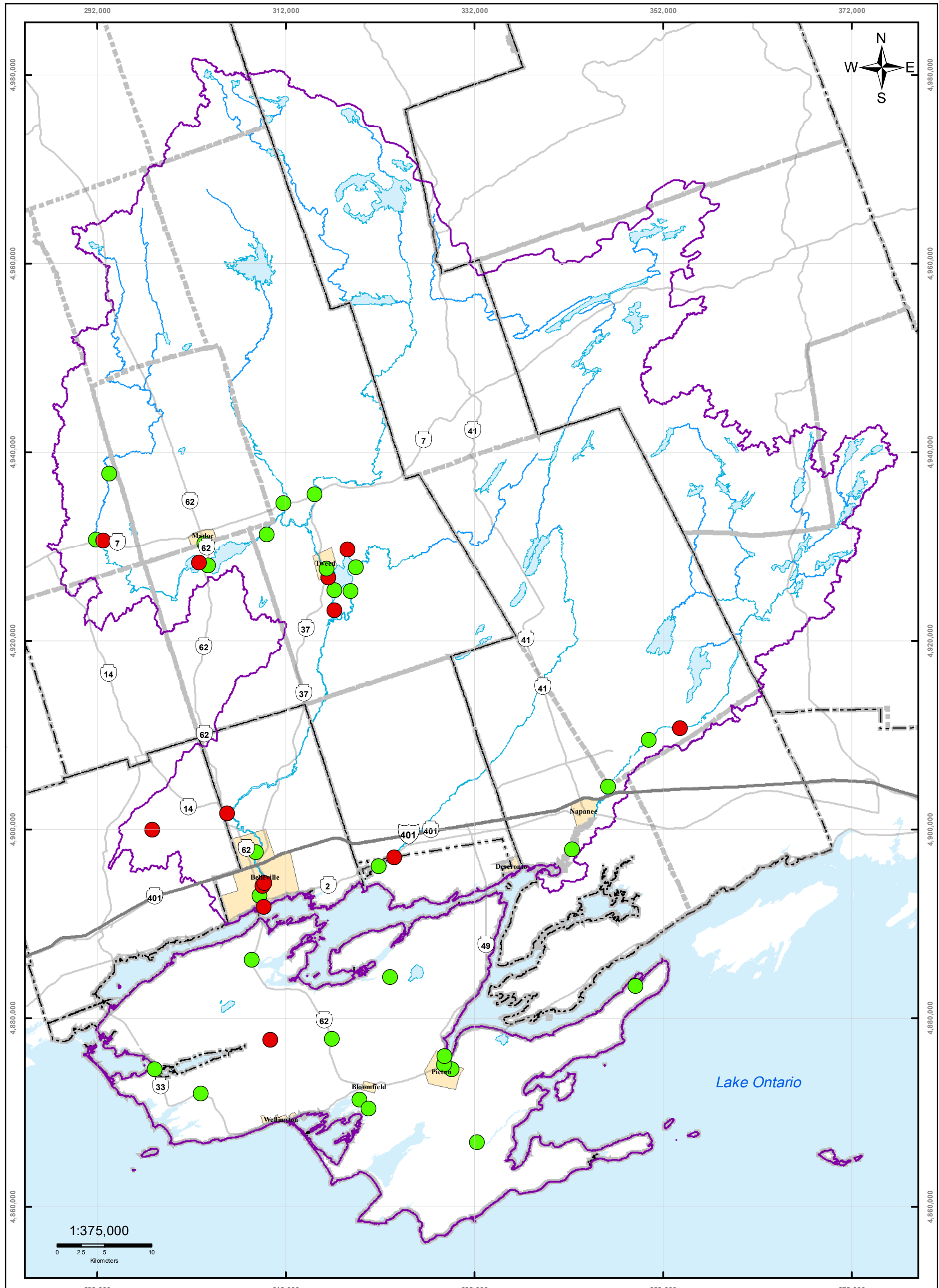
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# Map 2.14 Rare Species Occurrence






### Legend

- |                    |               |                       |                         |
|--------------------|---------------|-----------------------|-------------------------|
| <b>PWQMN Sites</b> | — Highway 401 | ■ Lakes               | □ Quinte Watershed Area |
| ● Current          | — Highways    | ▨ Township Boundaries |                         |
| ● Discontinued     | — Rivers      | ▨ County Boundaries   |                         |

## Map 2.15 Provincial Water Quality Monitoring Network (PWQMN) Stream and River Station Locations



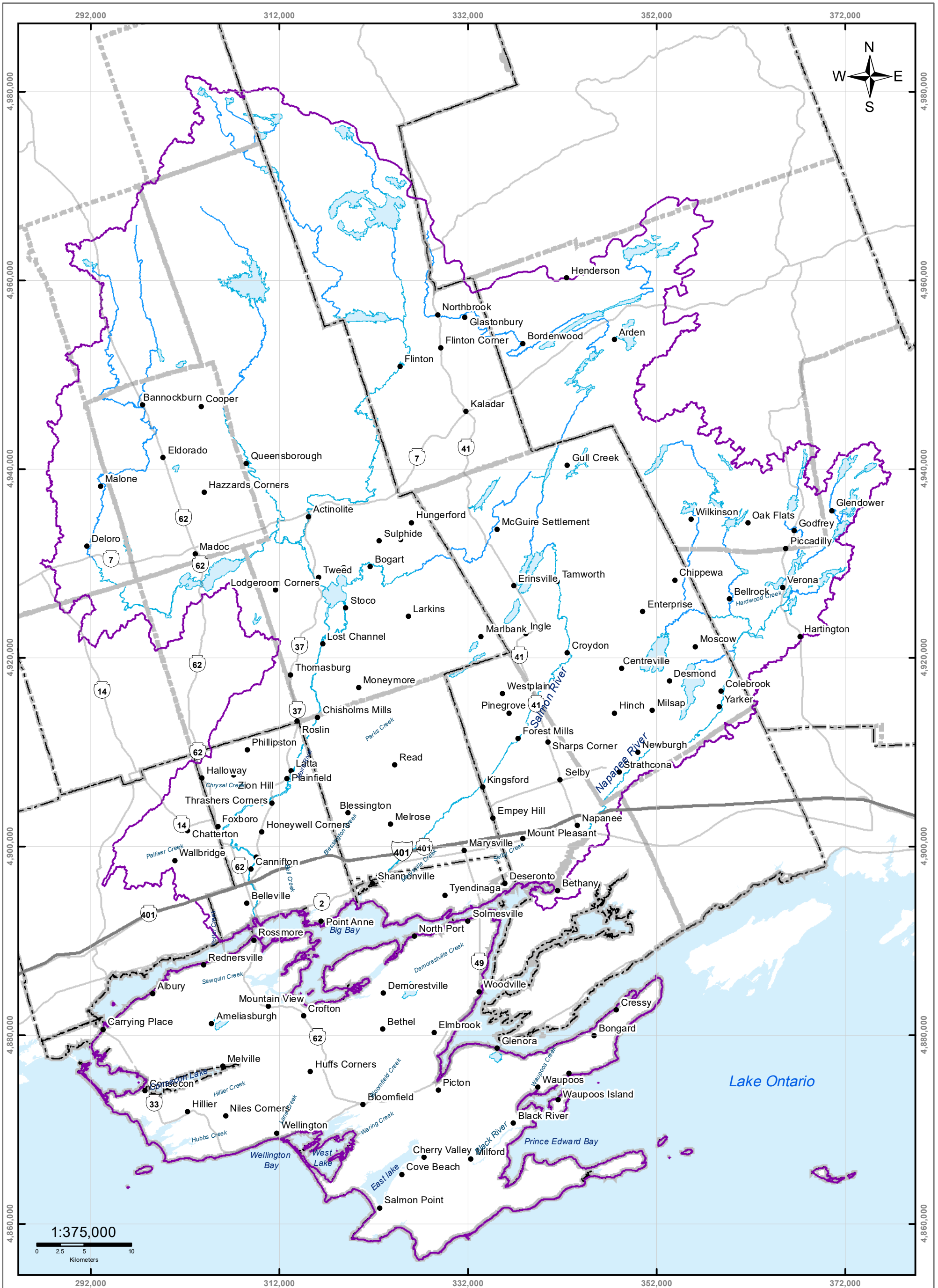
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**Legend**

- Highway 401
- Rivers
- County Boundaries
- Quinte Watershed Area
- Highways
- Lakes
- Township Boundaries

# Map 2.17 Settlement Areas

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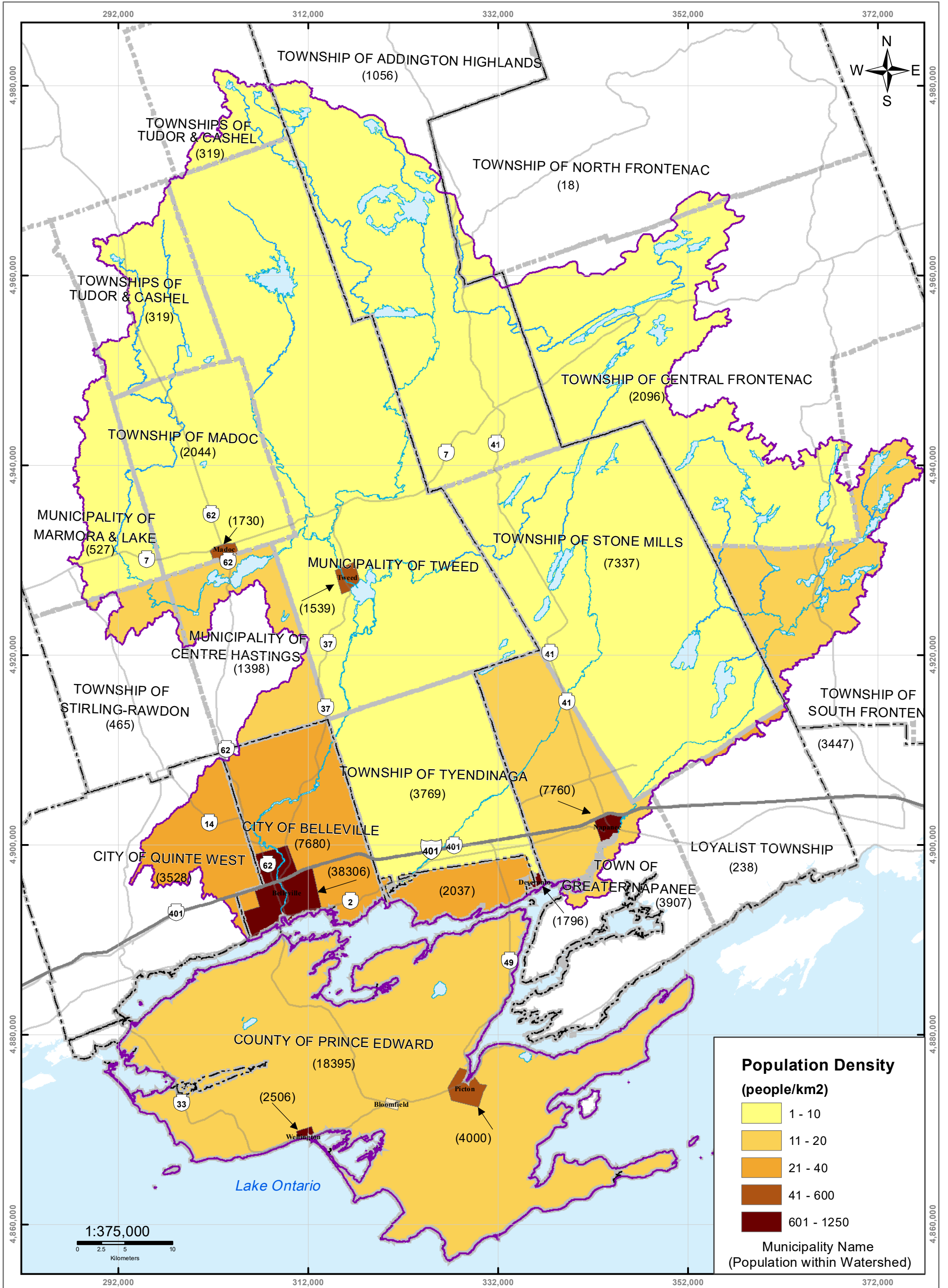
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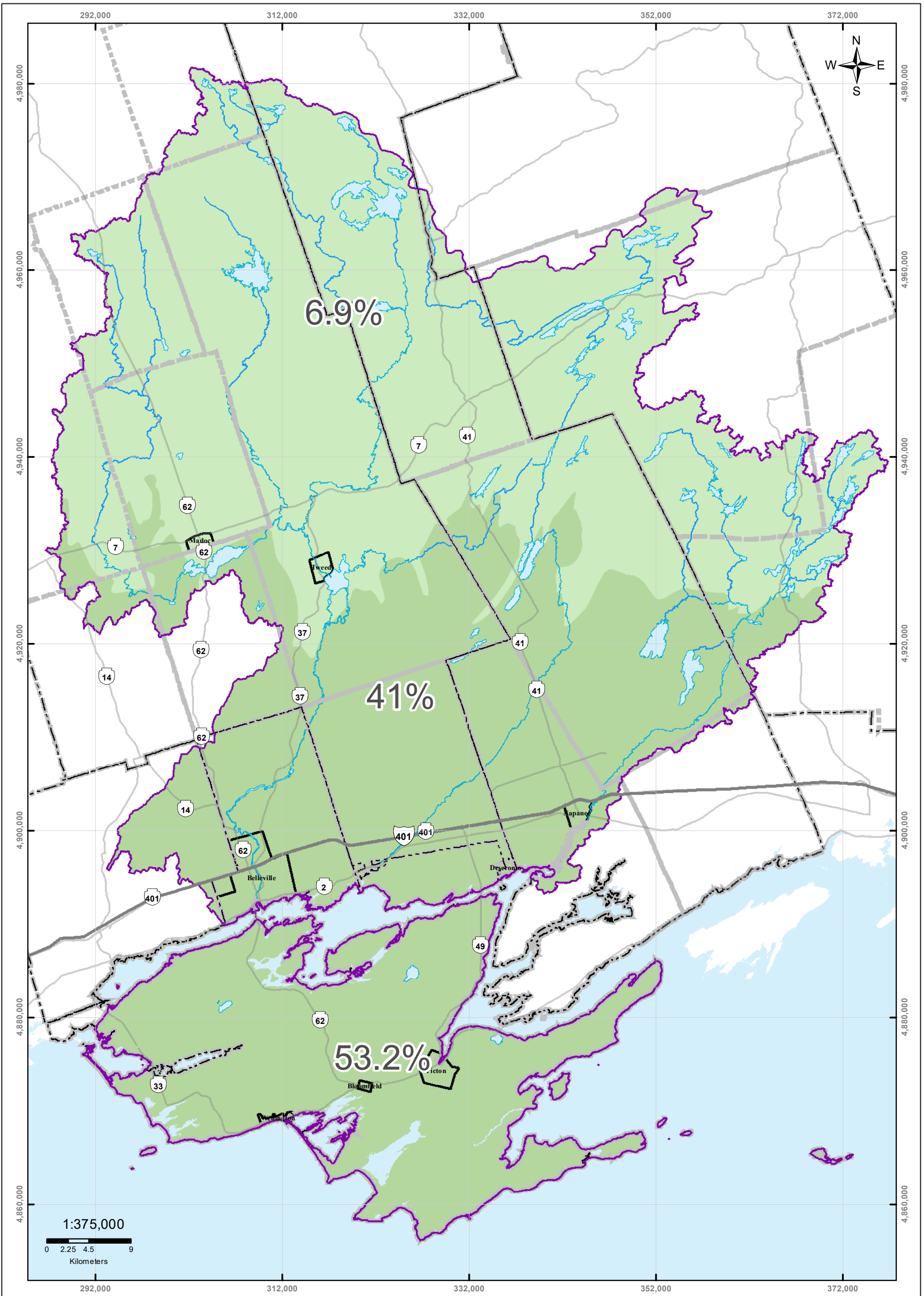












**Legend**

- Highway 401
- Highways
- Rivers
- Lakes
- ▭ Populated Areas
- ▭ Precambrian Zone
- ▭ Limestone Zone
- ▭ Prince Edward County Peninsula

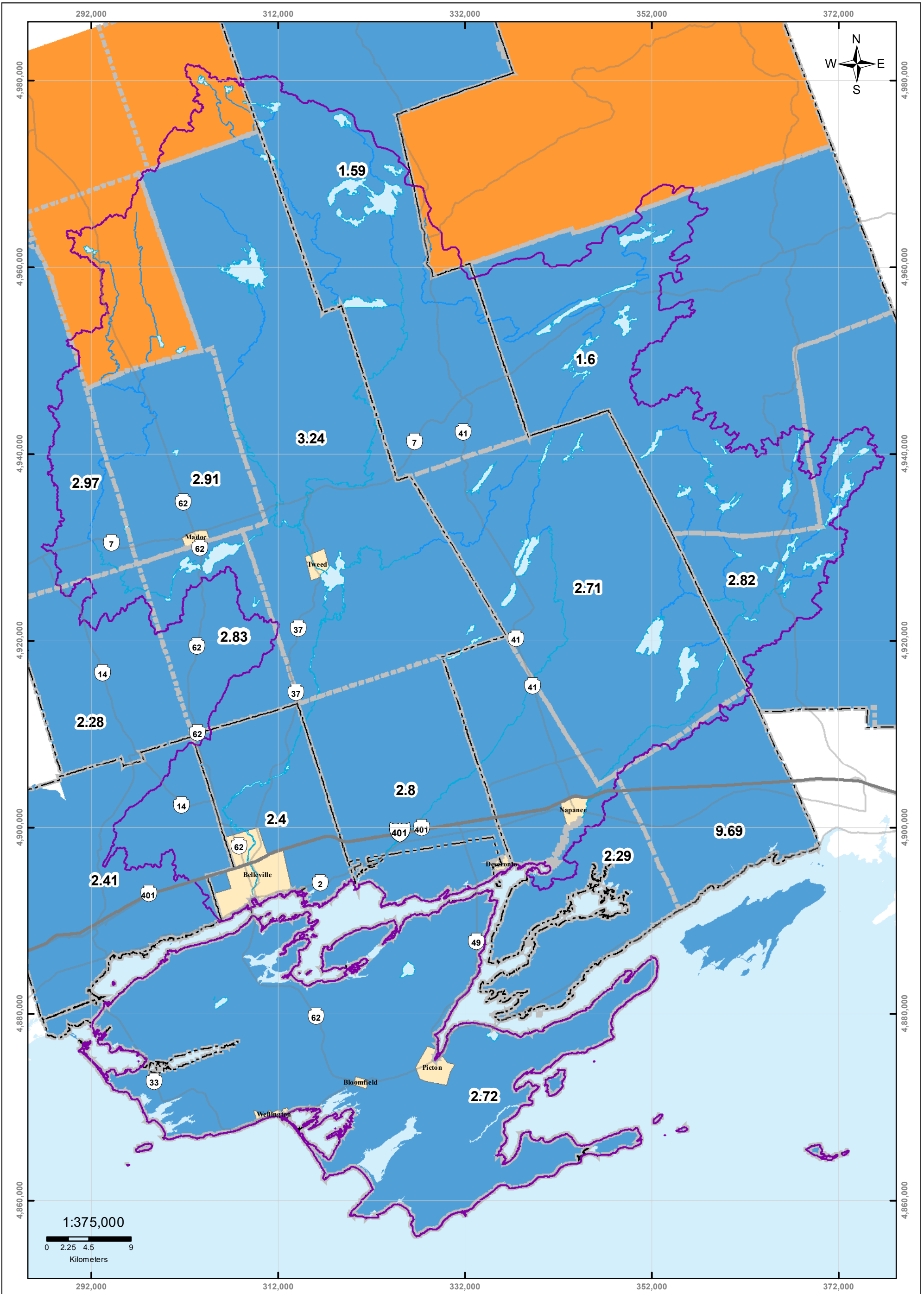
**Map 2.20 Percent of Managed Land**



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 Agricultural Data - Statistics Canada/Dillon Consulting  
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Digital Mapping Sources:  
Base Map - Ontario Ministry of Natural Resources  
Livestock Density - Derived from Statistics Canada data

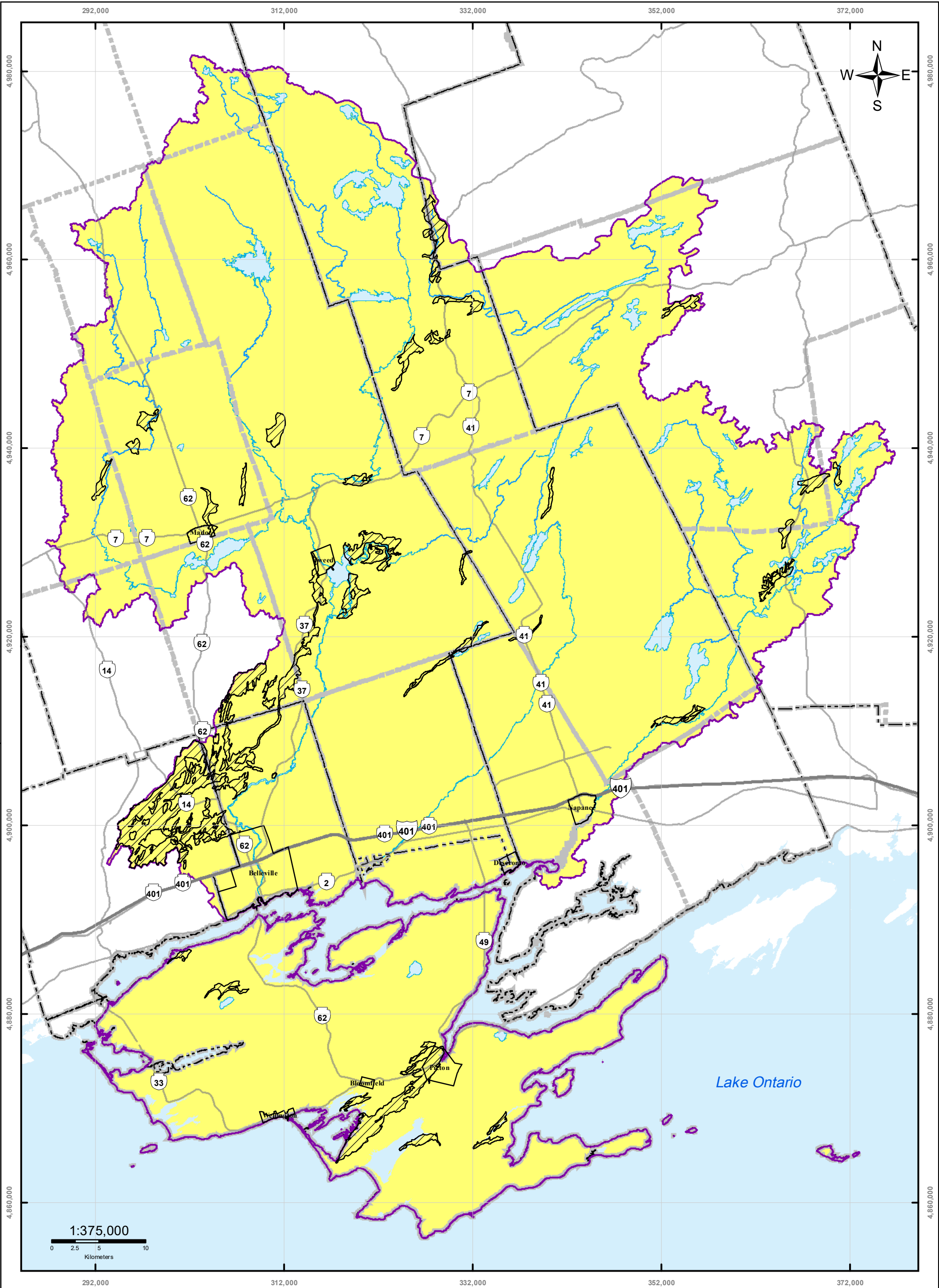
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**Legend**

— Highway 401	— Lakes	<b>Livestock Density</b>
— Highways	— Quinte Watershed Area	<b>nutrient units/acre</b>
— Rivers	— Approximate Service Locations	0.0 - 0.5
		0.6 - 1.0
		1.1 - 9.7

# Map 2.21 Livestock Density











  
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 Base Map - Ministry of Natural Resources  
 Impervious Areas - Created using Ontario Road Network

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### Legend

 Highway 401	 Population Nodes	 Significant Recharge Areas
 Highways	 Quinte Watershed Region	 1-5.99% Impervious

## Map 2.22 Impervious Surfaces