

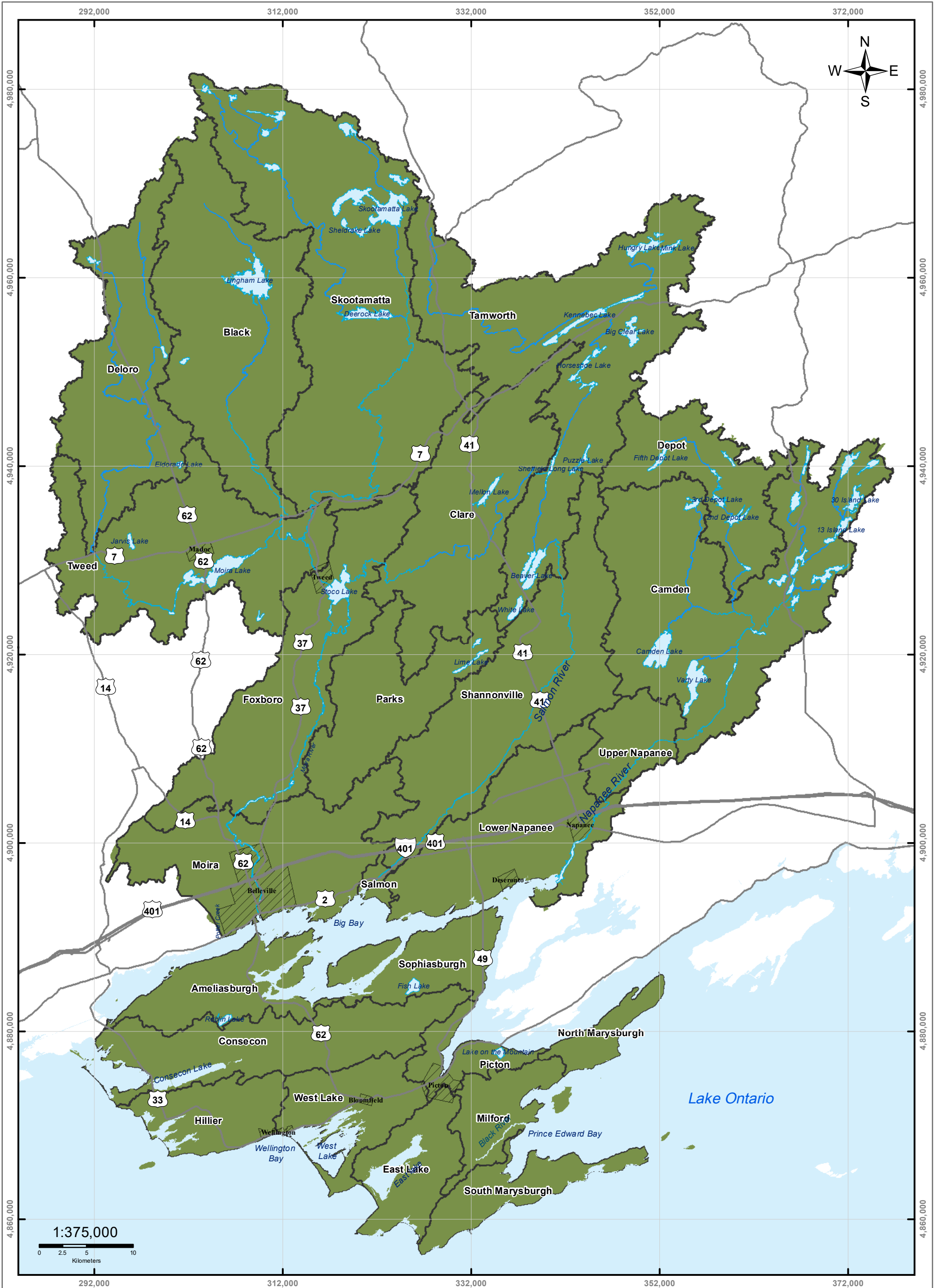
Legend

- Highway 401
- Highways
- Rivers
- Lakes
- Quinte Watershed Areas
- Populated Areas
- Precambrian Terrane
- Limestone Terrane
- Prince Edward County Region

Map 2.1 Quinte Conservation Watersheds

Y:\SWP_Data_Maps\Map2_1_2016\Map2_1_OC_Watershed.mxd

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Legend

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

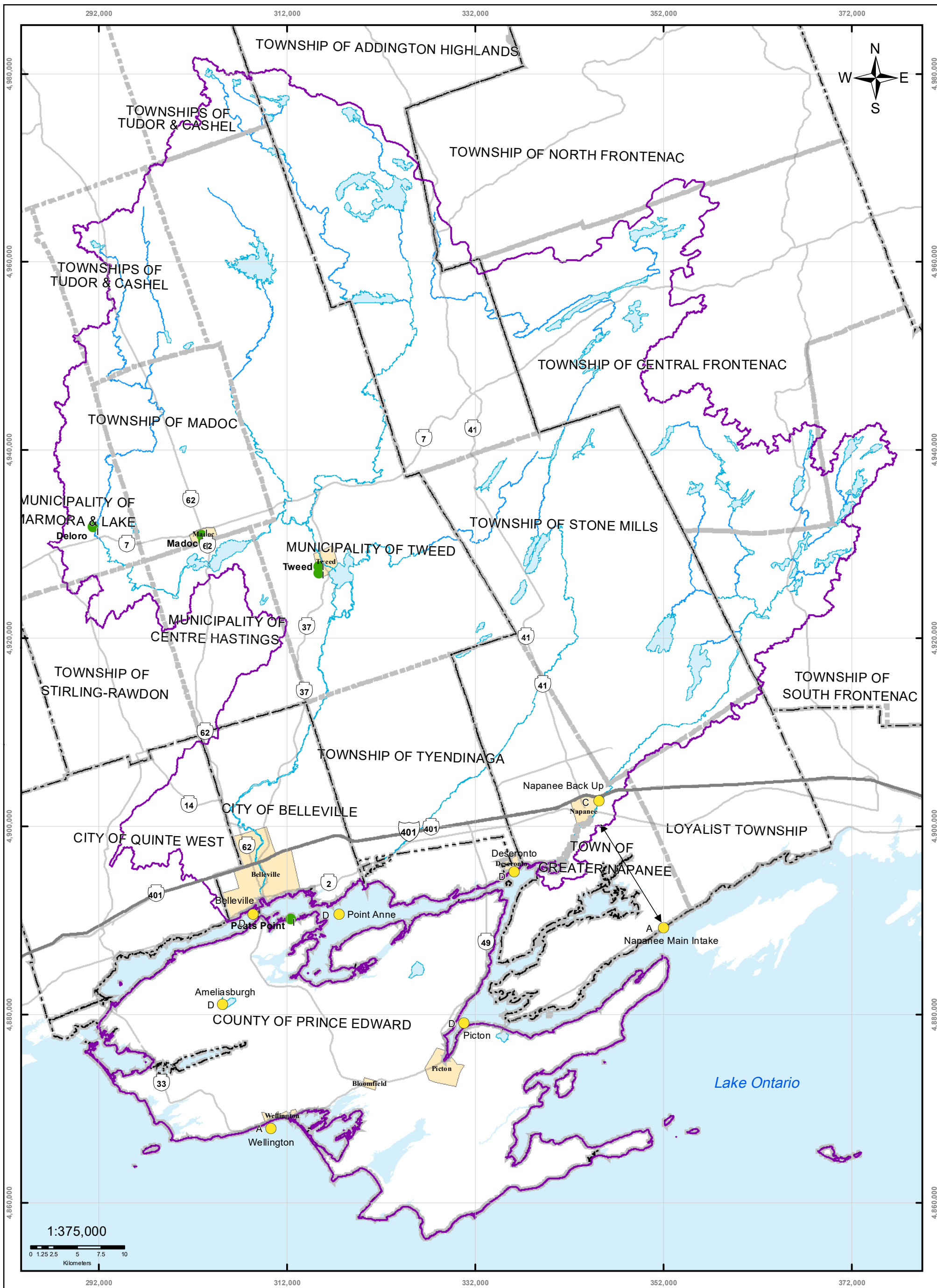
Moira River, Napanee Region and Prince Edward Region Watersheds.
 RR #2, 2061 Old Highway # 2, Belleville, Ontario, K8N 4Z2.
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Map 2.2 Quinte Conservation Subwatersheds



Legend

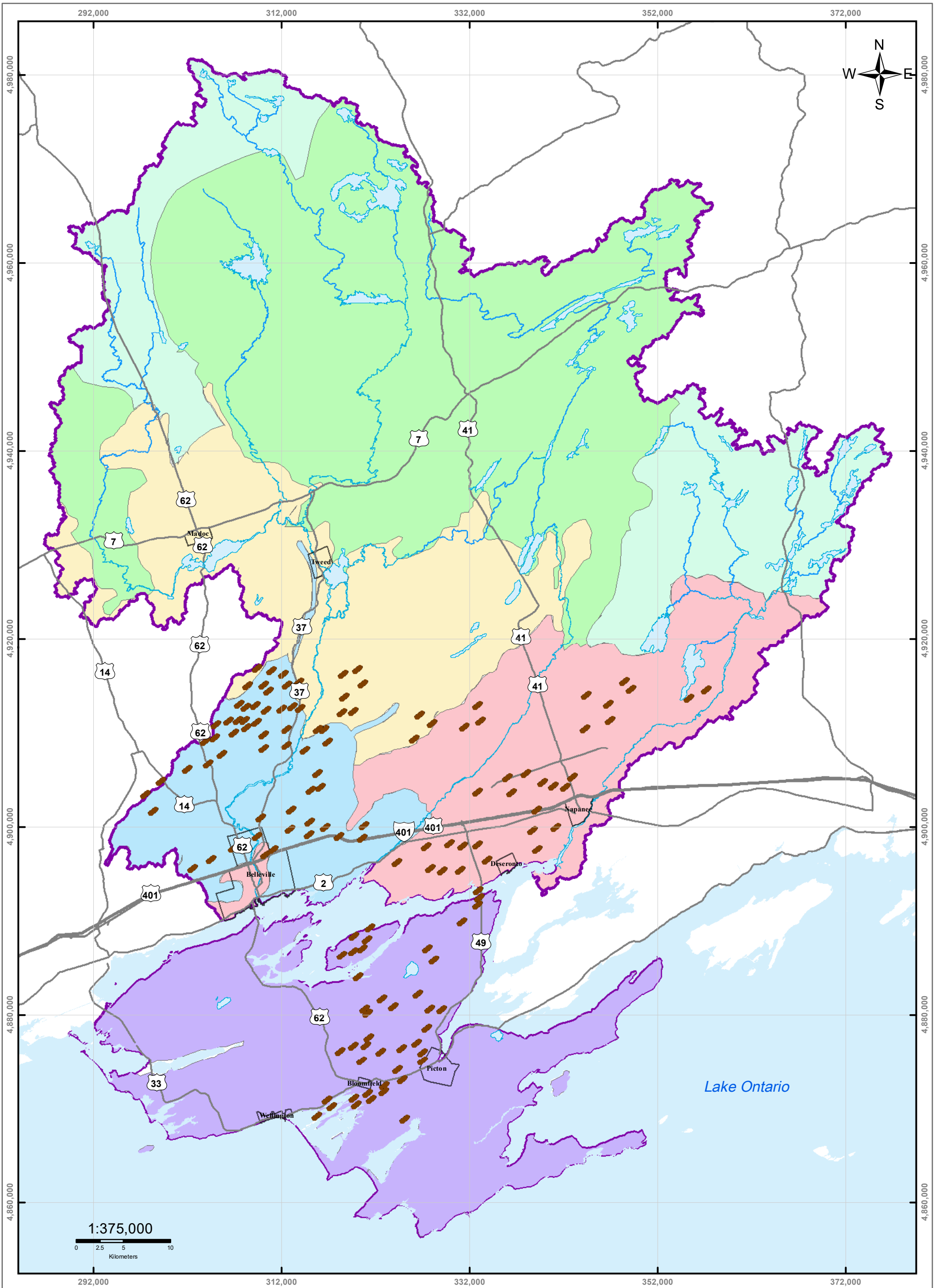
- Municipal Drinking Water Wells
- Municipal Drinking Water Intakes
- Highway 401
- Highways
- Rivers
- Lakes
- ⬜ County Boundaries
- ⬜ Township Boundaries
- ⬜ Approximate Service Locations
- ⬜ Quinte Watershed Area

Map 2.3
Drinking Water System Locations & Areas Served



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 Drinking Water System Locations - MOE
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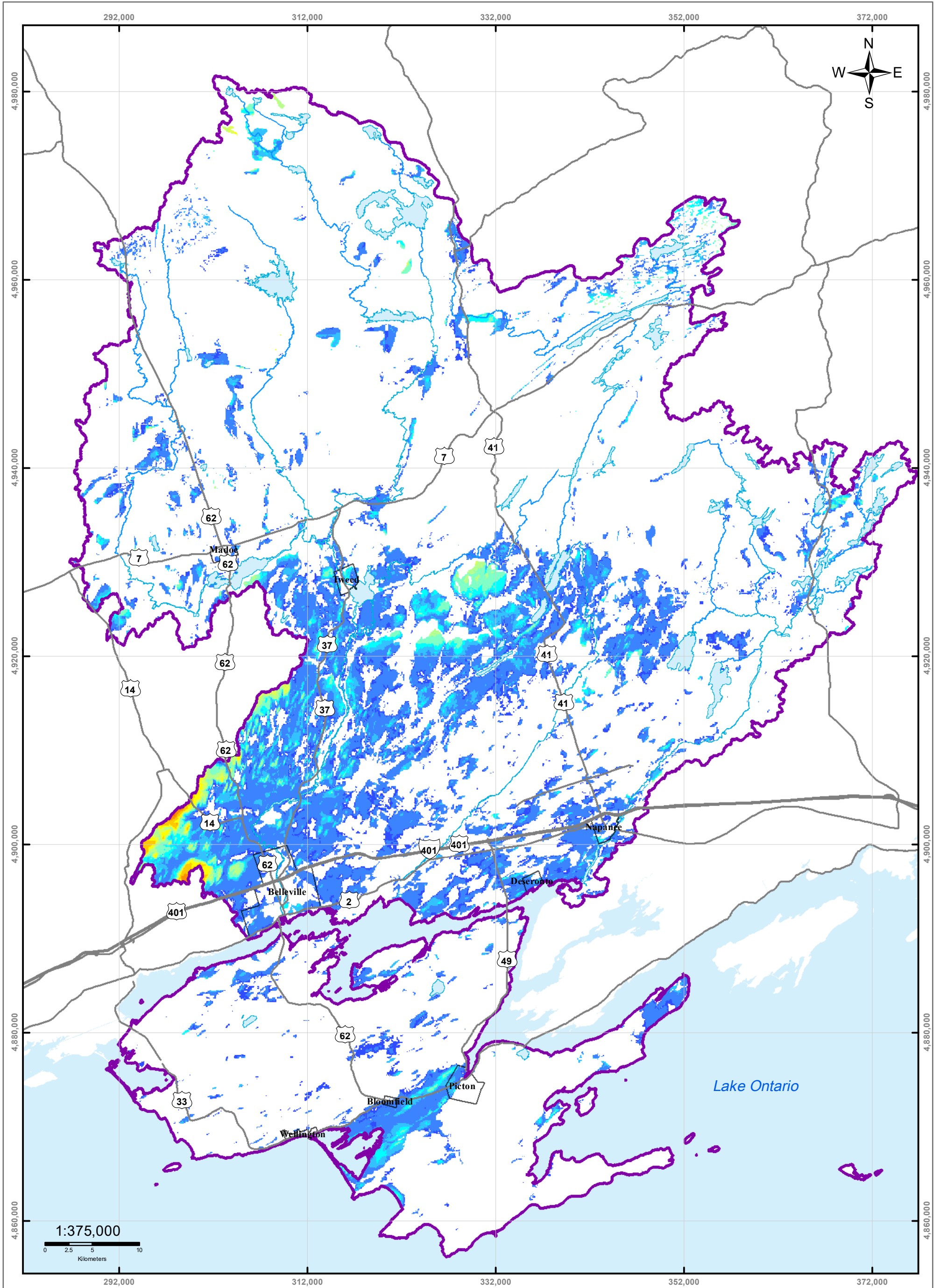
Y:\GIS\Data\MapInfo\ARC/INFO\MapInfo\3_DWG\quinte_service.mxd



Legend

-  Drumlins
-  Rivers
-  Lakes
-  Highways
-  Populated Areas
-  Highway 401
-  Physiographic Regions
-  Peterborough Drumlin Field
-  Algonquin Highlands
-  Dummer Moraines (Hummocky Topography)
-  Georgian Bay Fringe
-  Prince Edward Peninsula
-  Napanee Plain
-  Quinte Watershed


Map 2.4 Physiographic Regions

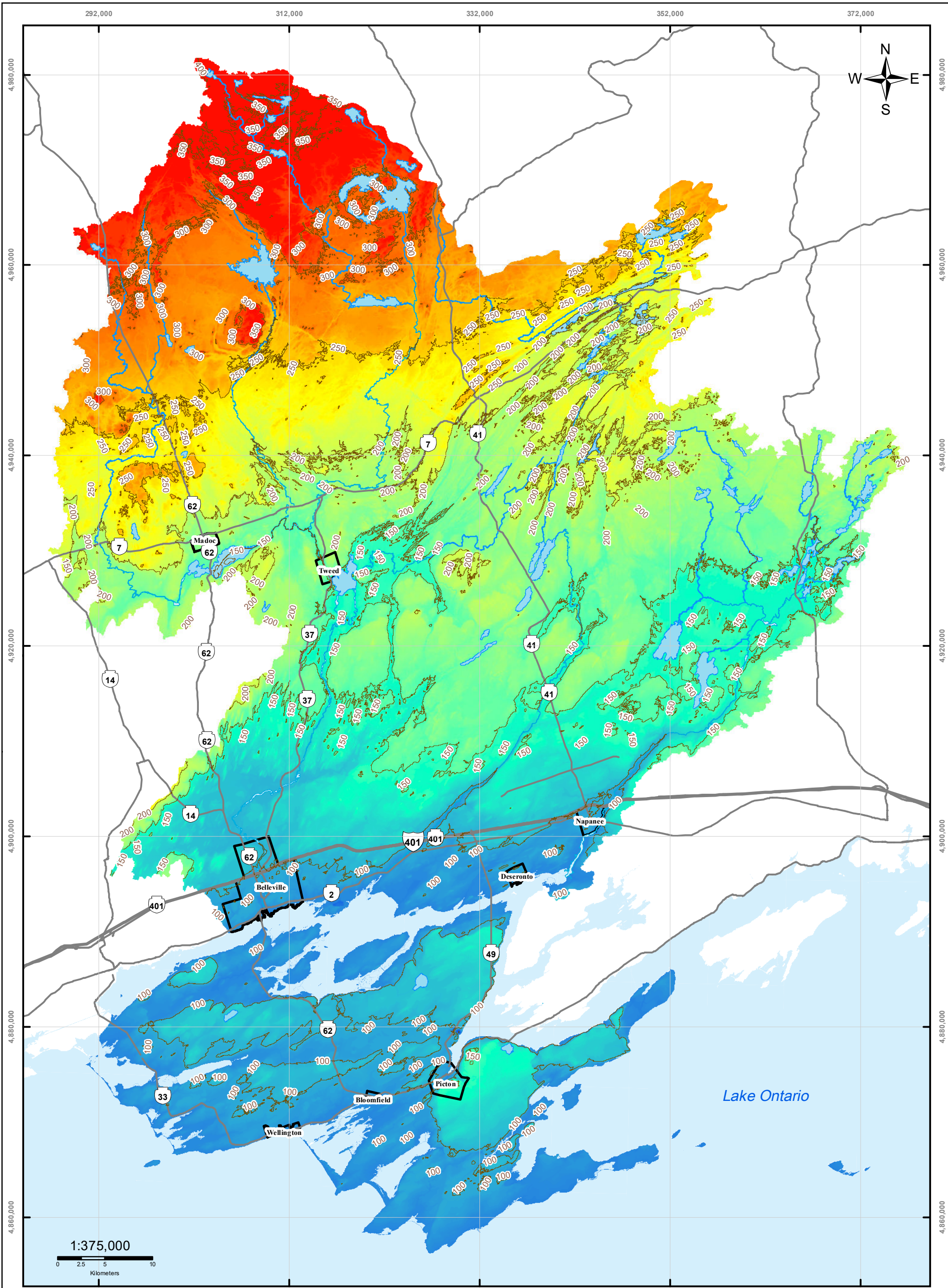


Legend

— Highway 401	— Lakes	Overburden Thickness (m)	10 - 15	40 - 50	80 - 100
— Highways	— Populated Areas	<math>< 1.5</math>	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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 Overburden Thickness - Dillon Consulting for QC
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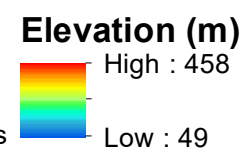
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Digital Mapping Sources:
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 Digital Elevation Model - Ministry of Natural Resources

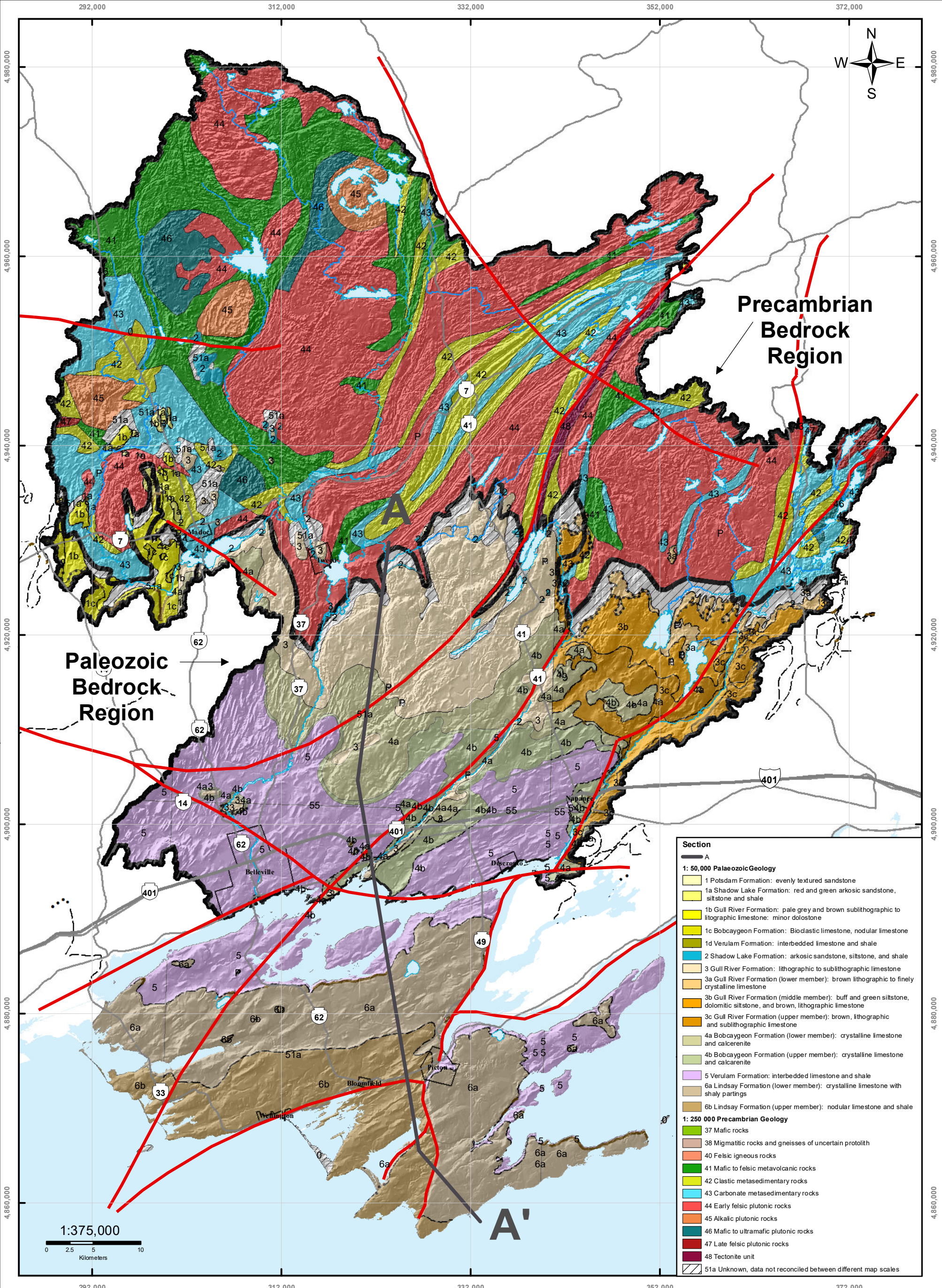
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Legend

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



Map 2.6 Topography



Section

1: 50,000 Paleozoic Geology

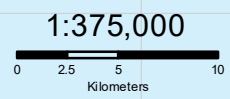
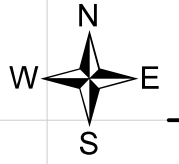
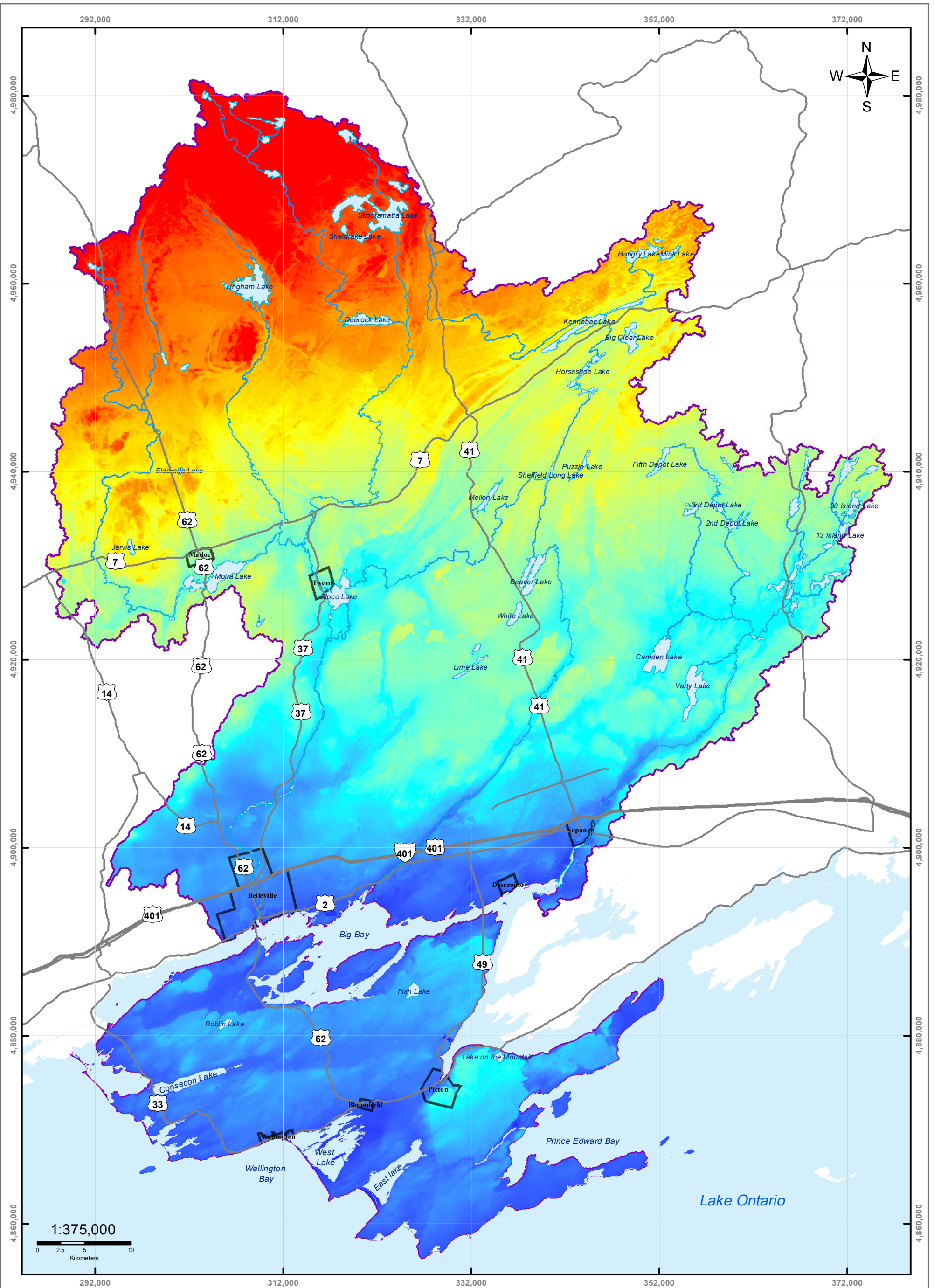
- 1 Potsdam Formation: evenly textured sandstone
- 1a Shadow Lake Formation: red and green arkosic sandstone, siltstone and shale
- 1b Gull River Formation: pale grey and brown sublithographic to lithographic limestone: minor dolostone
- 1c Bobcaygeon Formation: Bioclastic limestone, nodular limestone
- 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

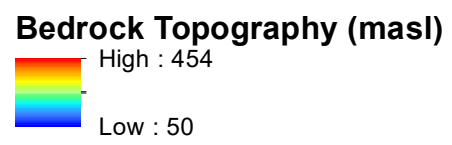
- Legend**
- Approximate Faults
 - Highways
 - Interpreted Faults
 - Highways 401
 - - - Geological Boundary - position approximate
 - Rivers
 - Geological Boundary - position interpreted
 - Lakes
 - Geological Boundary - observed
 - Populated Areas

Map 2.7 Bedrock Geology




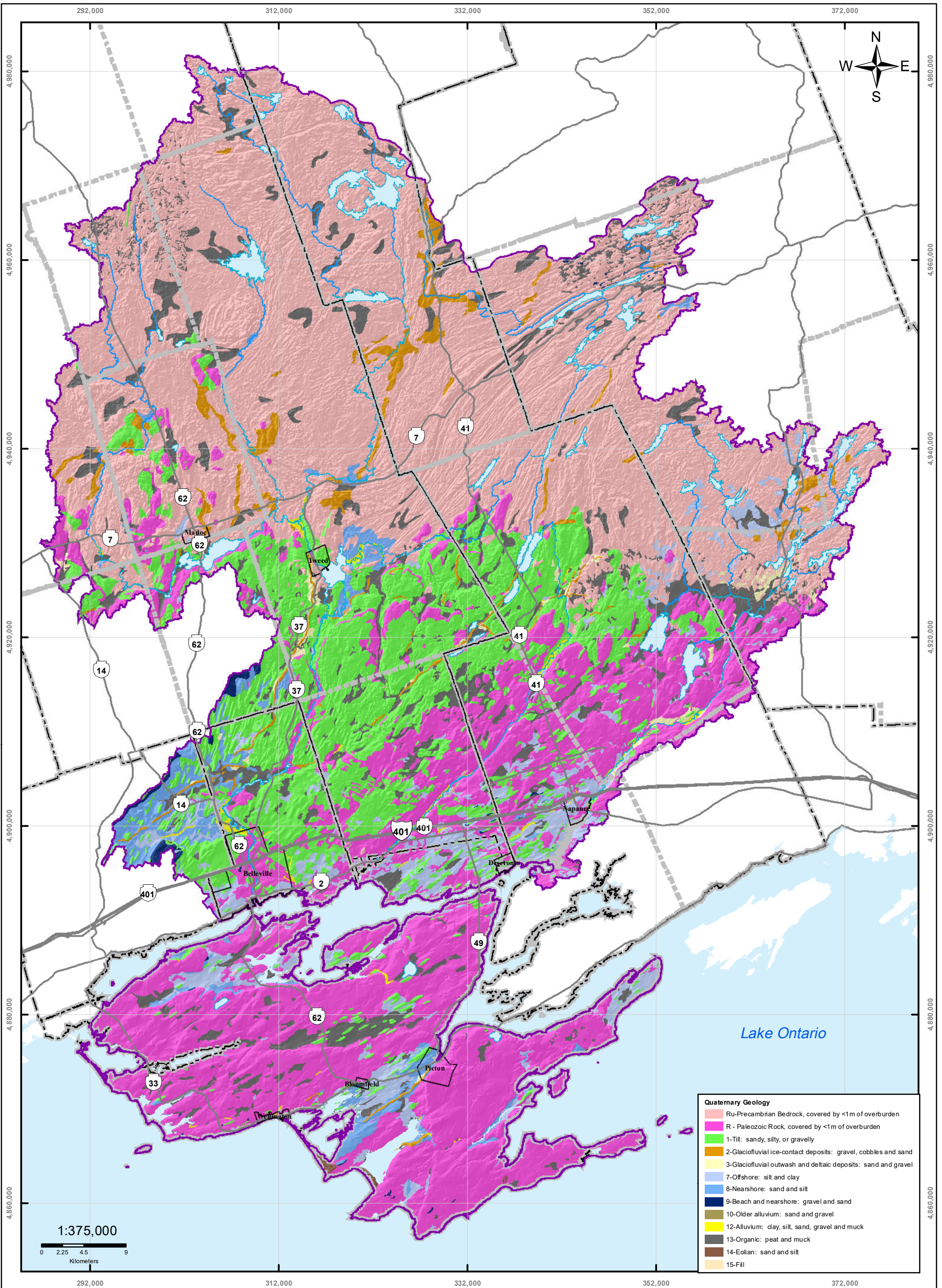
Legend

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



Map 2.8 Bedrock Topography


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 Bedrock Topography - Dillon Consulting
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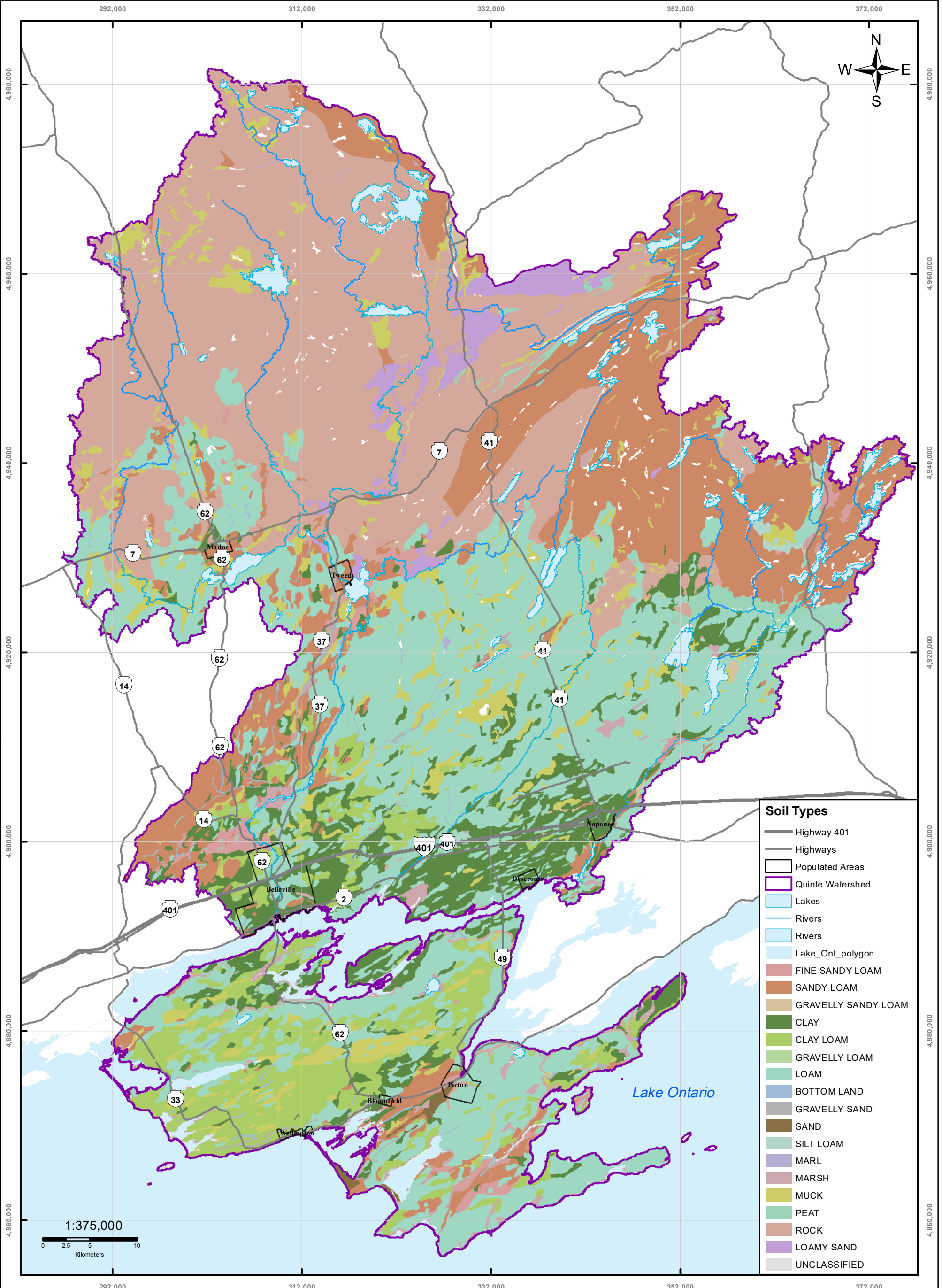
Digital Mapping Sources:
Base Map - Ministry of Natural Resources
Surficial Geology - Ministry of Natural Resources

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Legend

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

Map 2.9 Surficial Geology

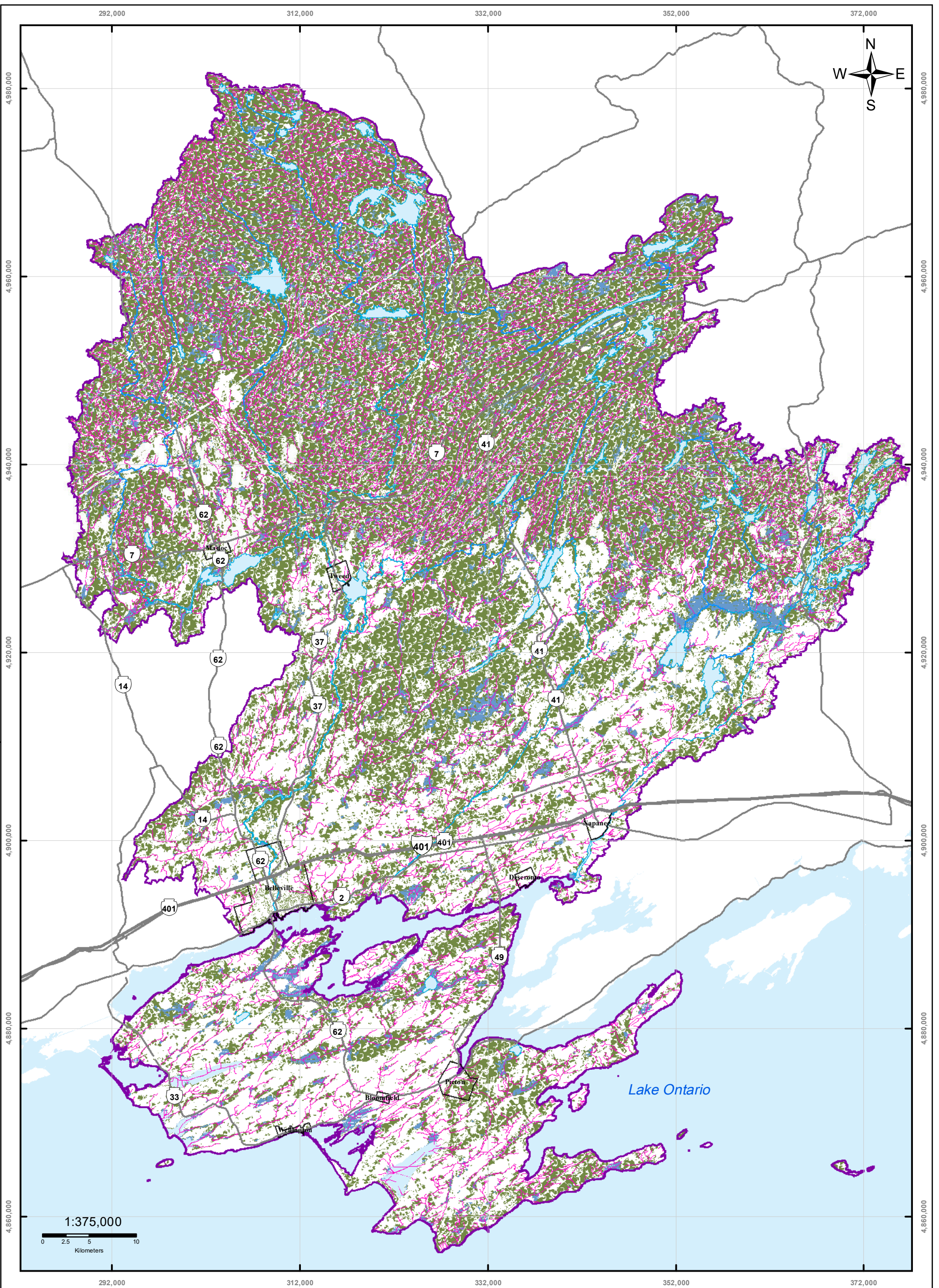


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Legend

—	Highway 401	—	Rivers	□	Populated Areas
—	Highways	□	Lakes	□	Quinte Watershed

Map 2.10 Soil Types



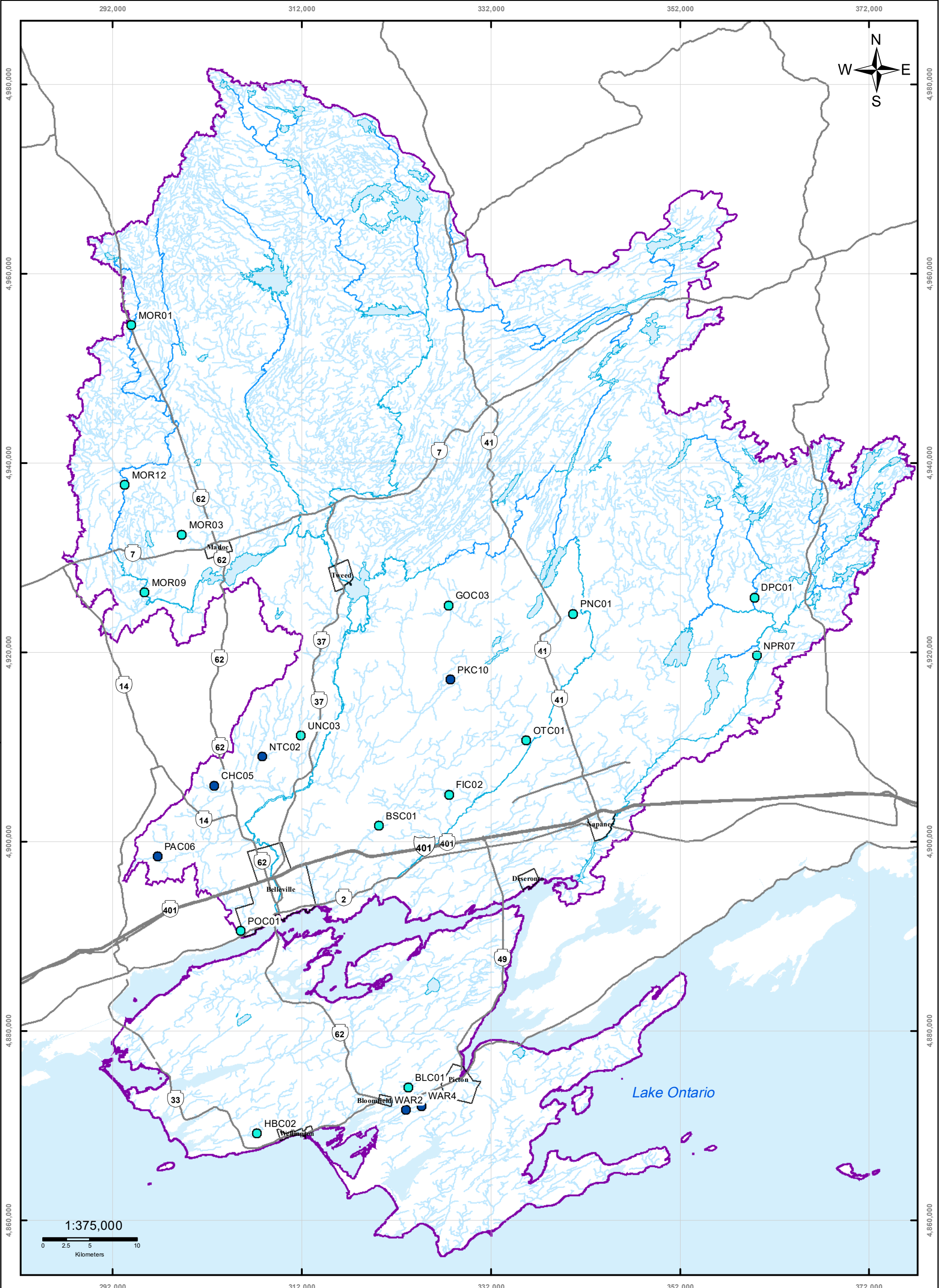
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Gap

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

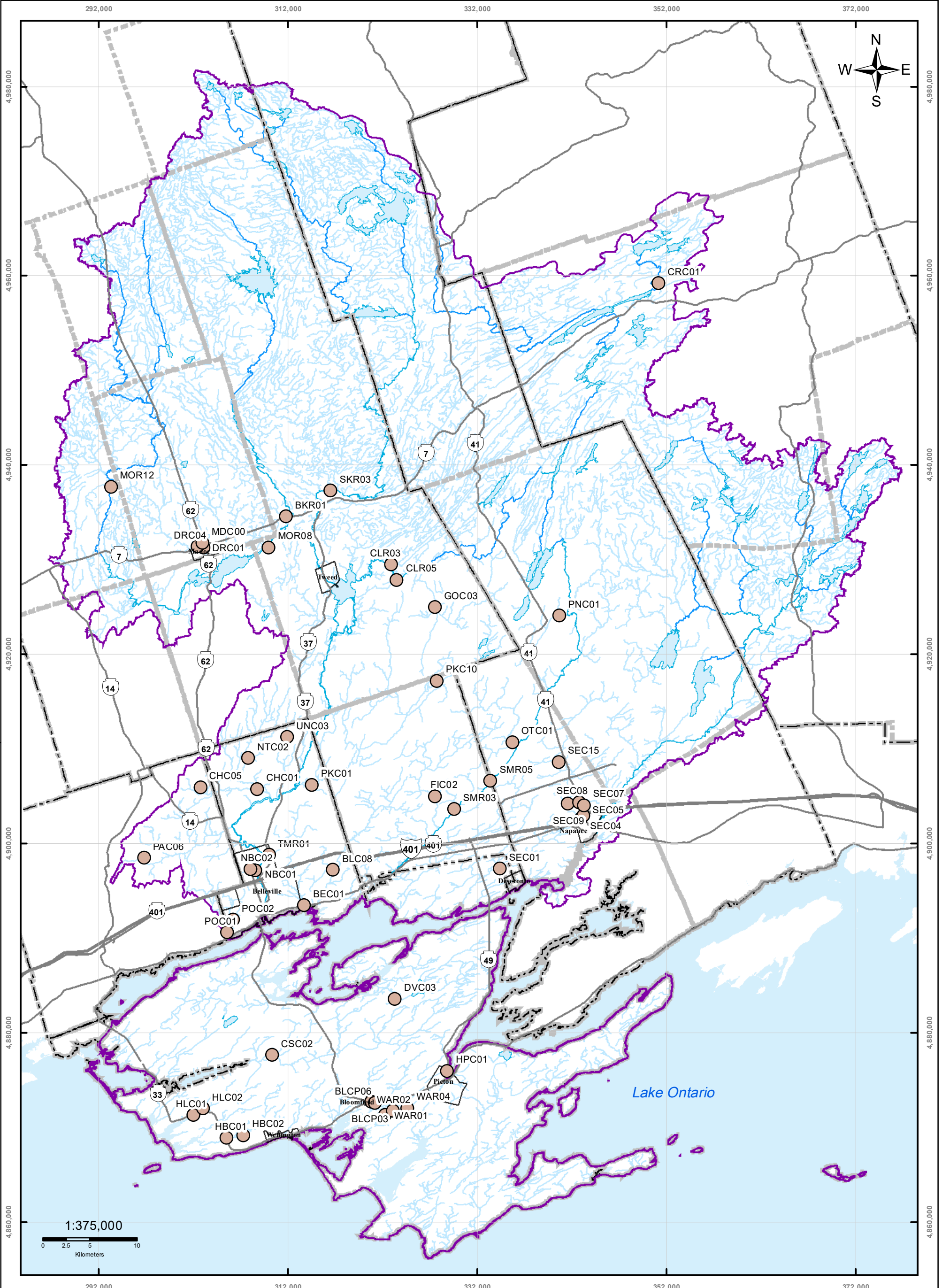


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Soil Data - Ministry of Natural Resources

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1:375,000
0 2.5 5 10
Kilometers

Legend

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

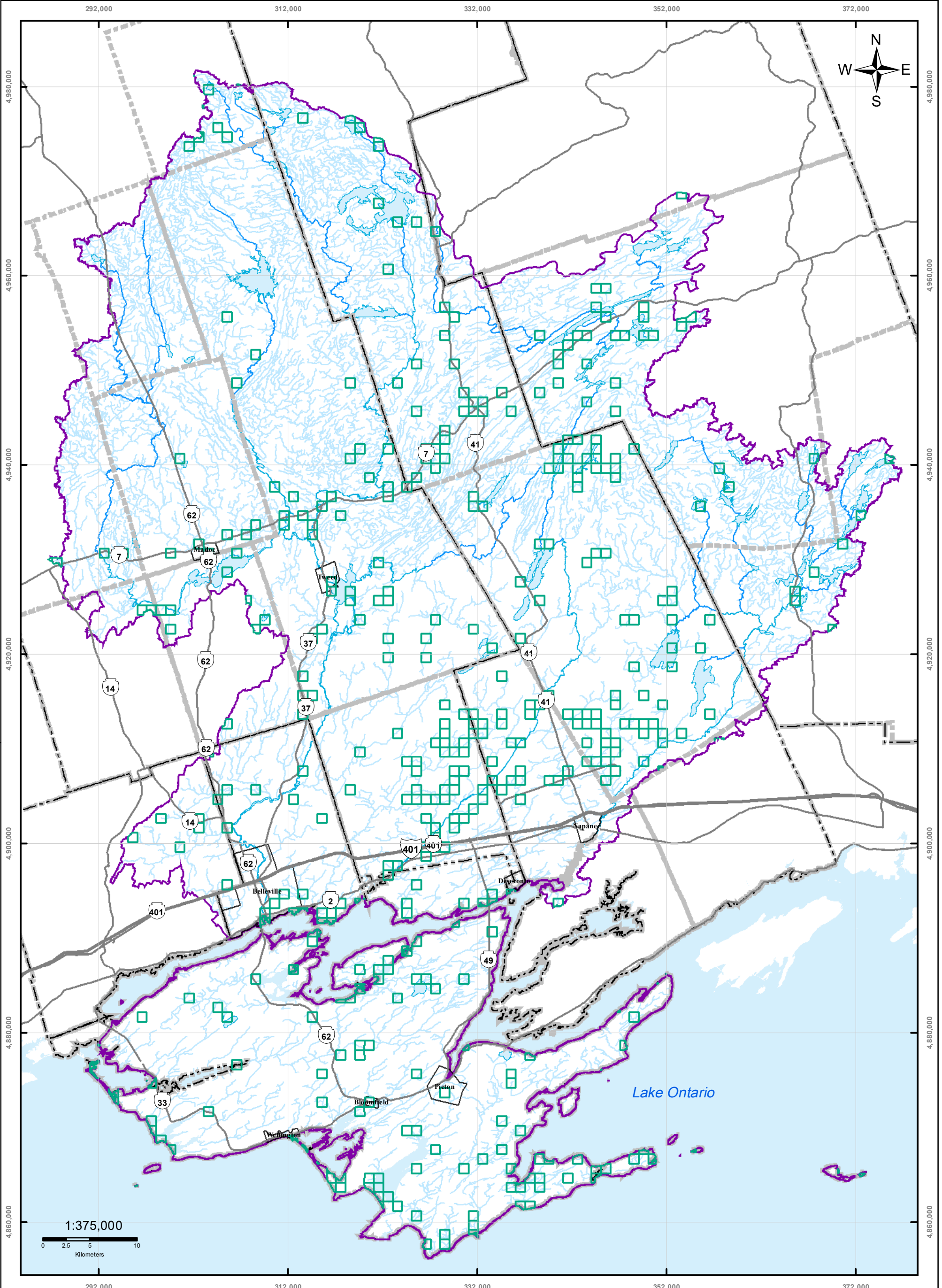
Map 2.13 Aquatic Macroinvertebrate Communities



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Legend

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



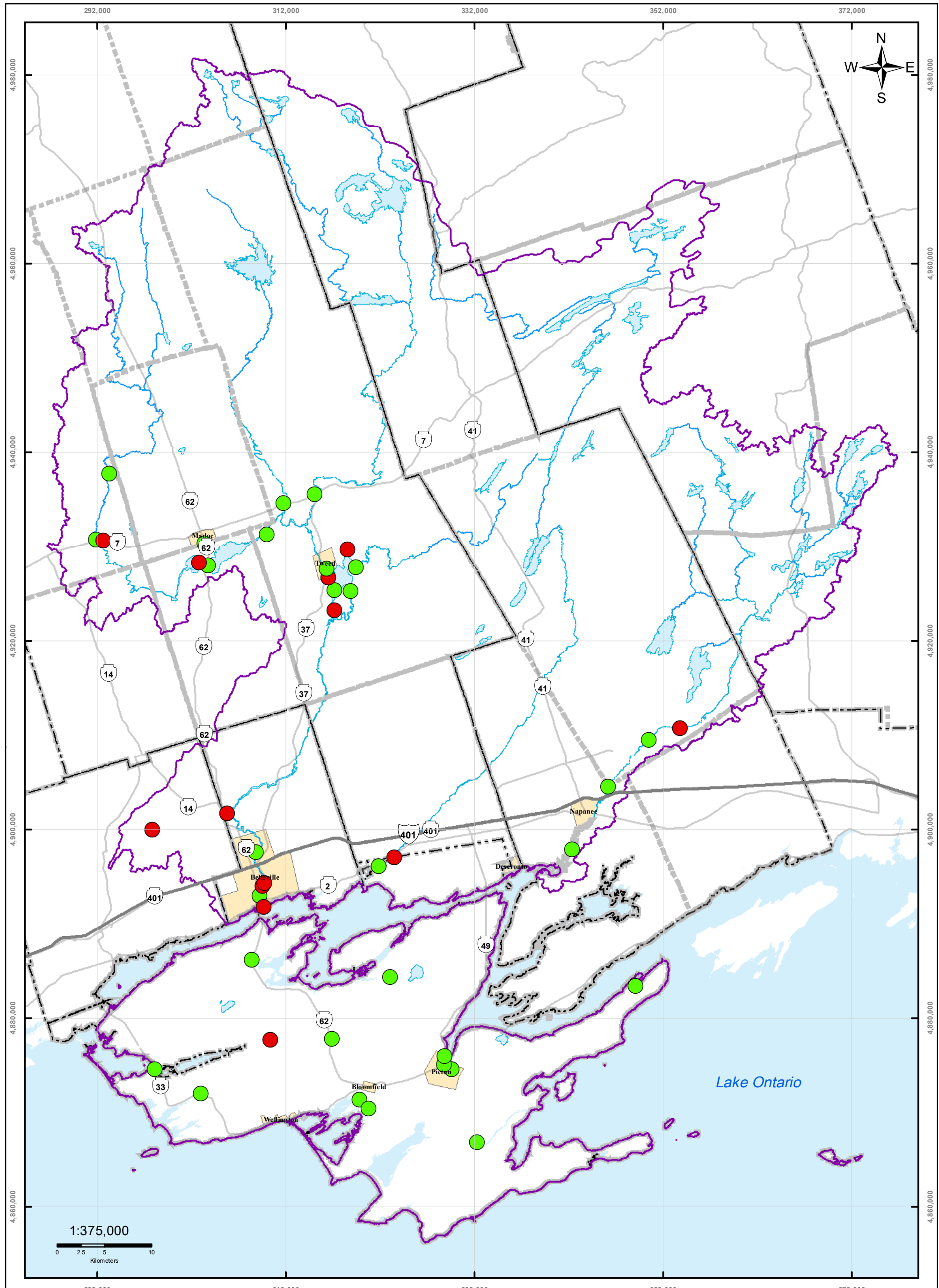
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Map 2.14 Rare Species Occurrence


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Legend

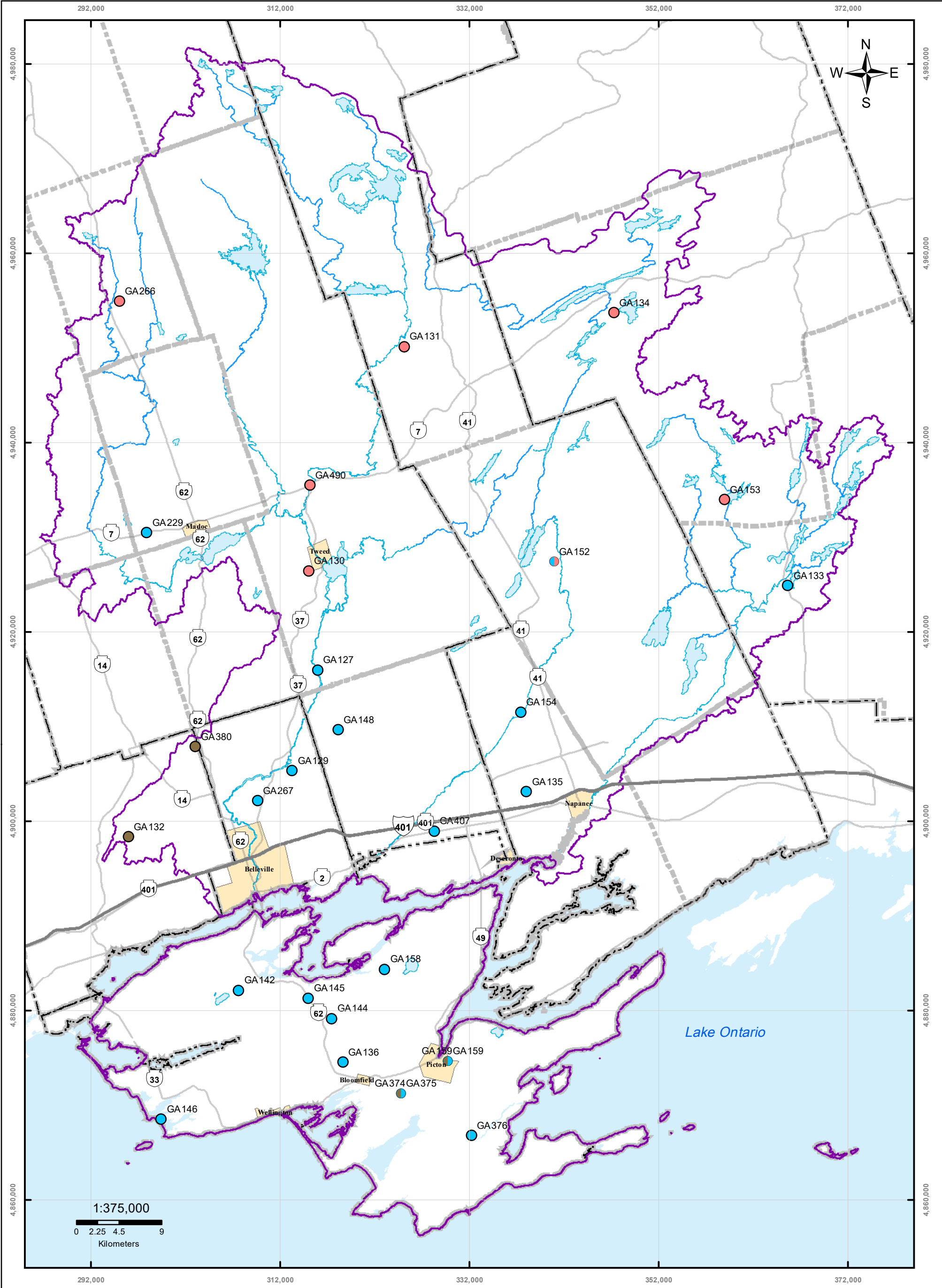
- | | | | |
|--------------------|---------------|-----------------------|-------------------------|
| PWQMN Sites | — Highway 401 | ▭ Lakes | ▭ Quinte Watershed Area |
| ● Current | — Highways | ▭ Township Boundaries | |
| ● Discontinued | — Rivers | ▭ County Boundaries | |

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



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Viewport: Data: MainMap_ArrResort_Final_V1_20190408.mxd; 15_PWQMN.mxd



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 PGMN Coordinates - Quinte Conservation

Legend

PGMN

Aquifer Type

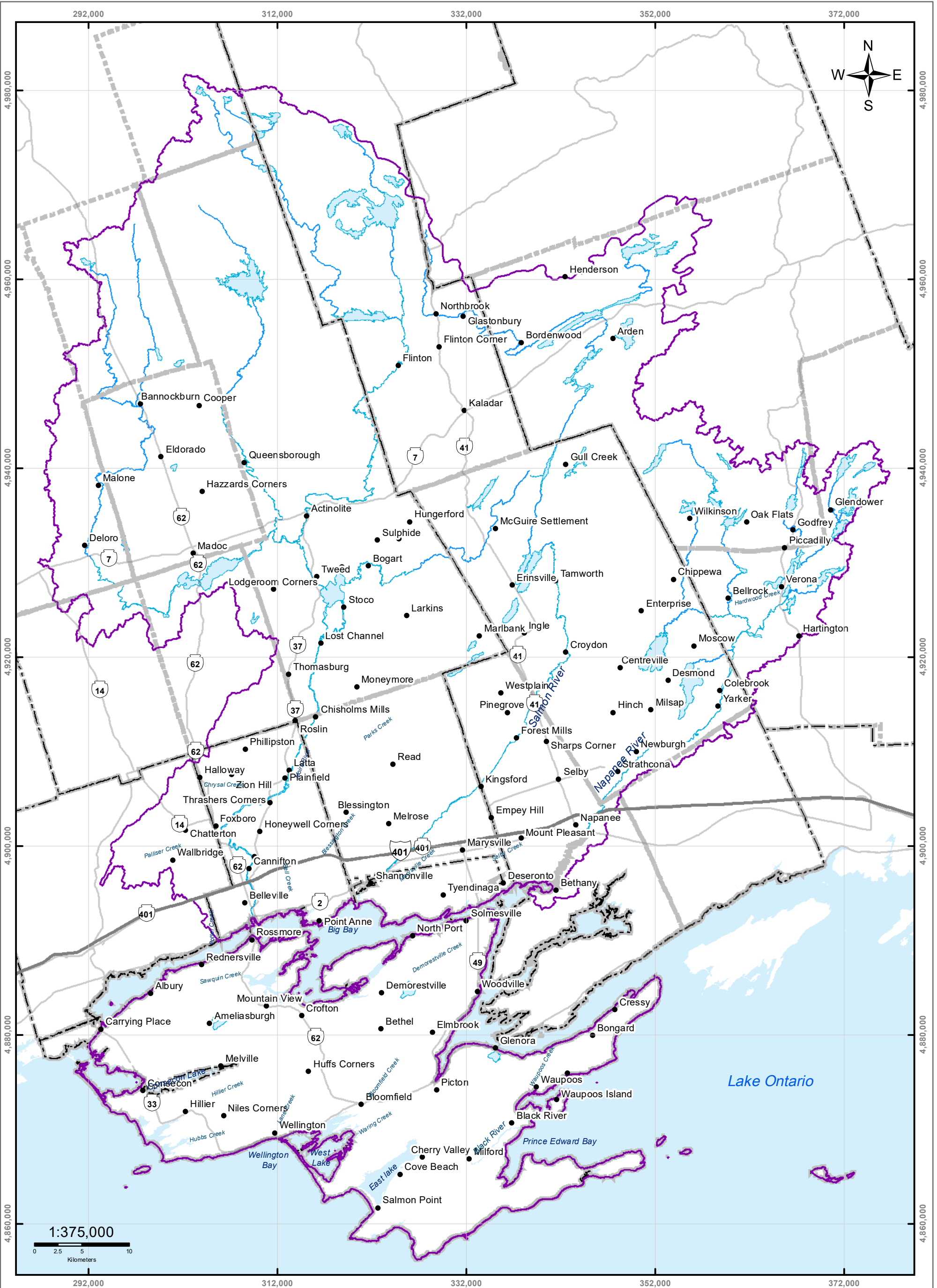
- Limestone
- Limestone/Precambrian
- Overburden
- Overburden/Limestone
- Precambrian
- Highway 401

- Highways
- Rivers
- Lakes
- Quinte Watershed
- County Boundaries
- Township Boundaries

Map 2.16

Provincial Groundwater Monitoring Network Wells

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Legend

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

Map 2.17 Settlement Areas

Y:\SWP_Data_Media\Map2_17_RR\Map2_17_OC_Waterhead.mxd

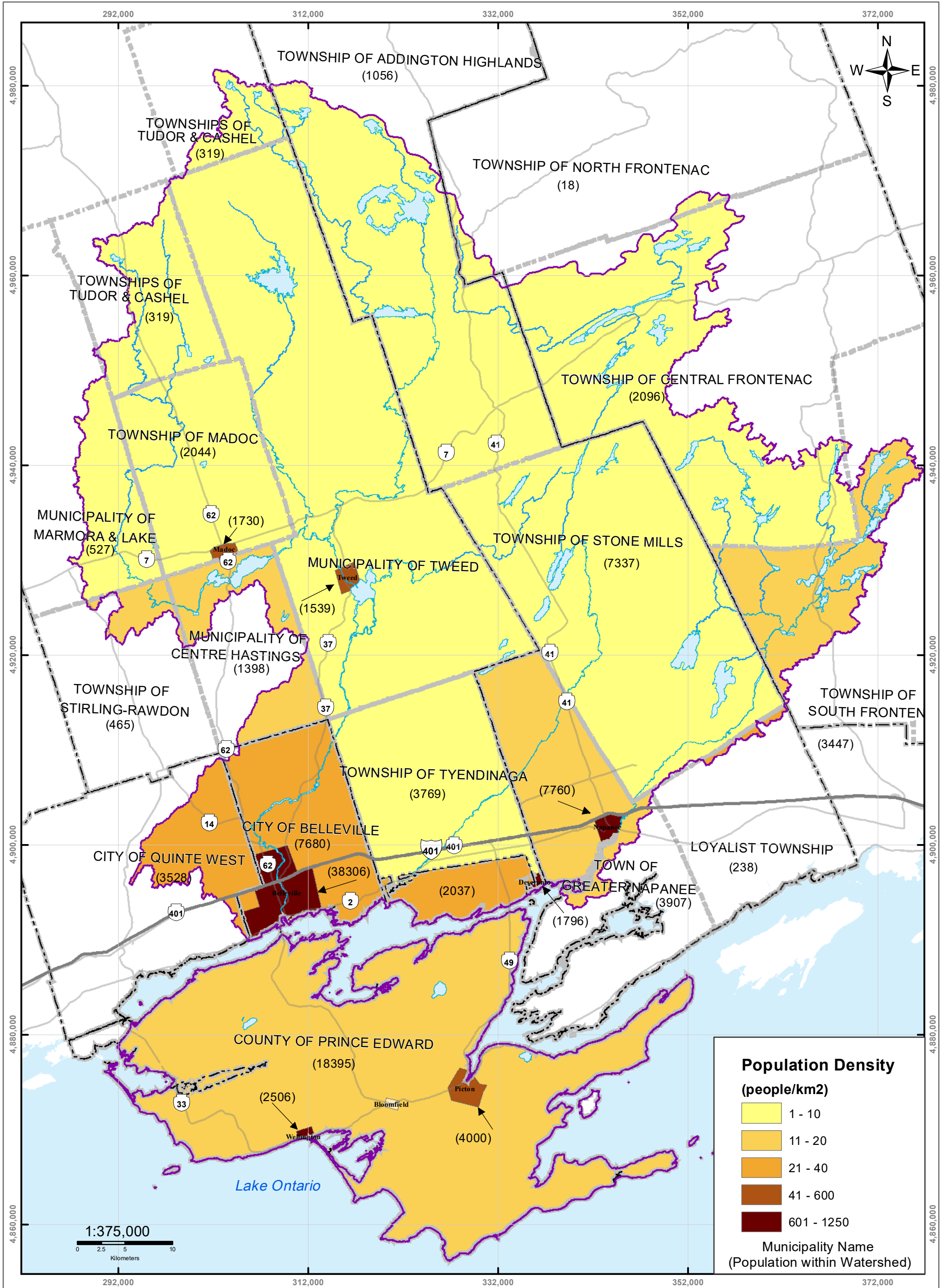
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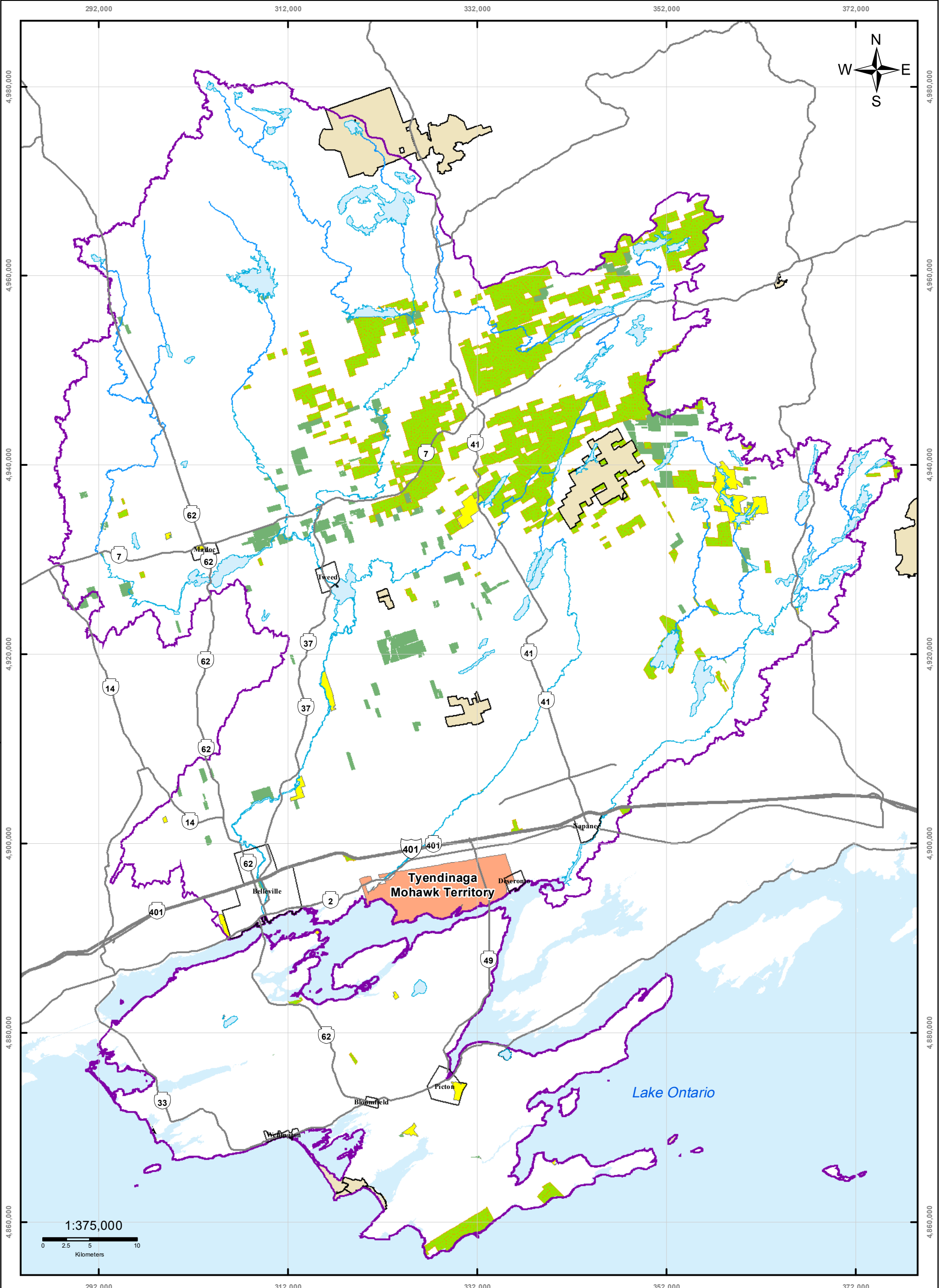
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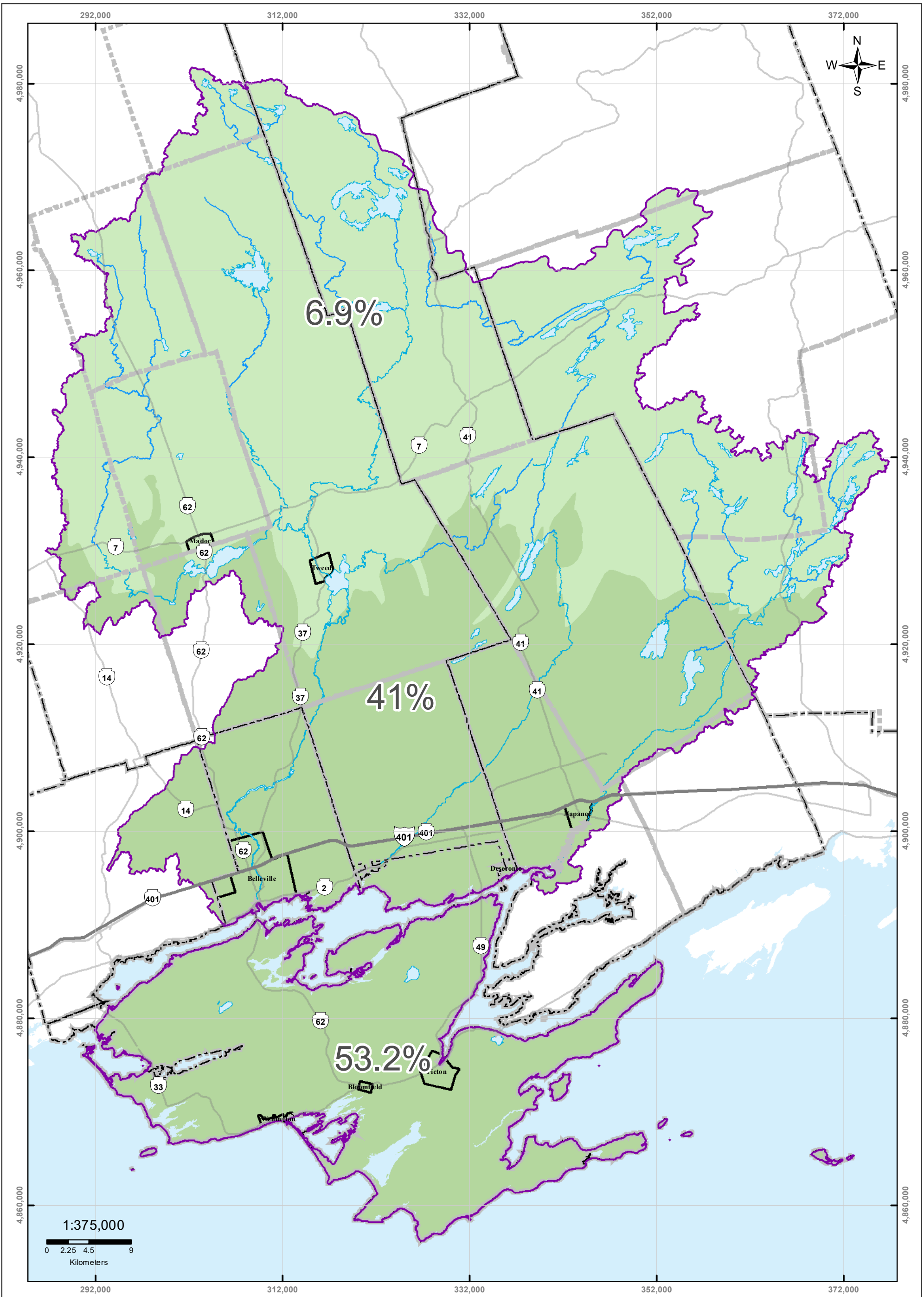


Legend

- Highway 401
- Highways
- Rivers
- Lakes
- Quinte Watershed
- Tyendinaga Mohawk Territory
- Conservation Areas
- Provincial Parks
- Conservation Properties
- Crown Land

Map 2.19 Federal and Protected Lands

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Legend

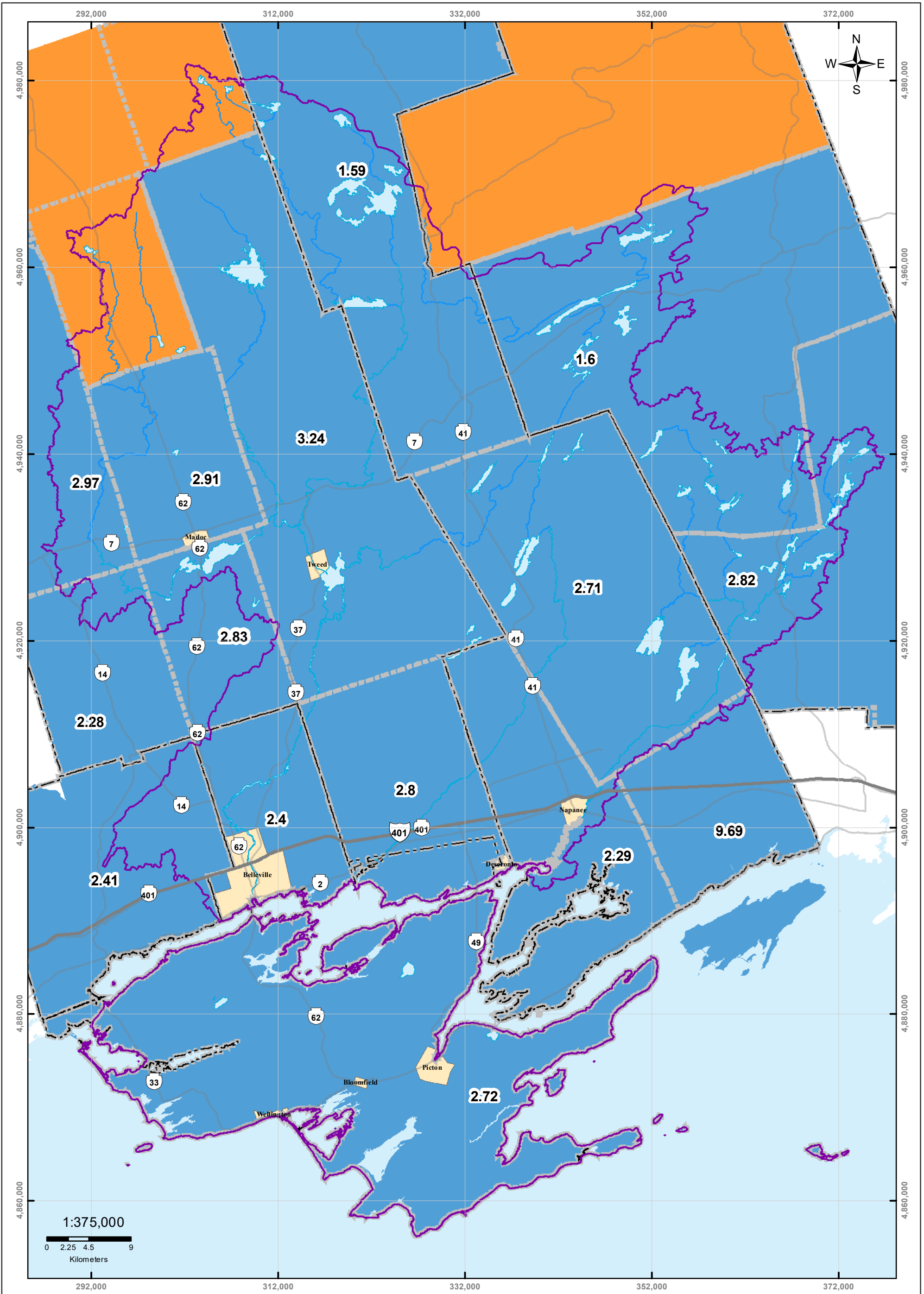
- Highway 401
- Highways
- Rivers
- Lakes
- ▭ Populated Areas
- ▭ Precambrian Zone
- ▭ Limestone Zone
- ▭ Prince Edward County Peninsula



Mora River, Napanee Region and Prince Edward Region Watersheds.
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 Agricultural Data - Statistics Canada/Dillon Consulting
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Map 2.20 Percent of Managed Land

Y:\SWP_Data_Mix\M7_AR\Report_Final_v1_2010\ARMap#2_20_Manag_Lands.mxd



Y:\SWP_Data_Mxd\SM7_ARR\Report_Final_v1_2010\ARR\Map2.21_Density.mxd



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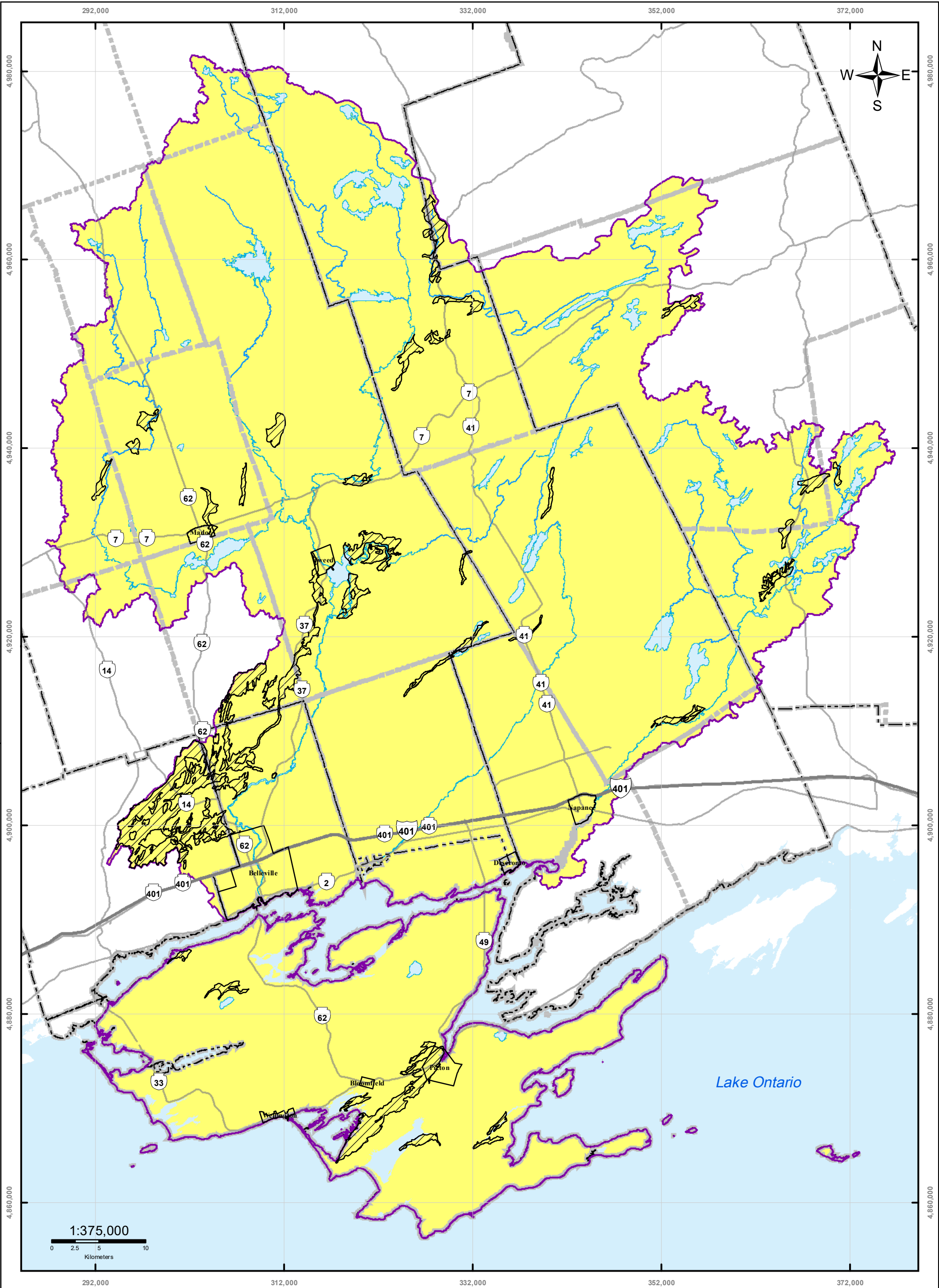
Digital Mapping Sources:
Base Map - Ontario Ministry of Natural Resources
Livestock Density - Derived from Statistics Canada data


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Legend

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

Map 2.21 Livestock Density










Quinte CONSERVATION

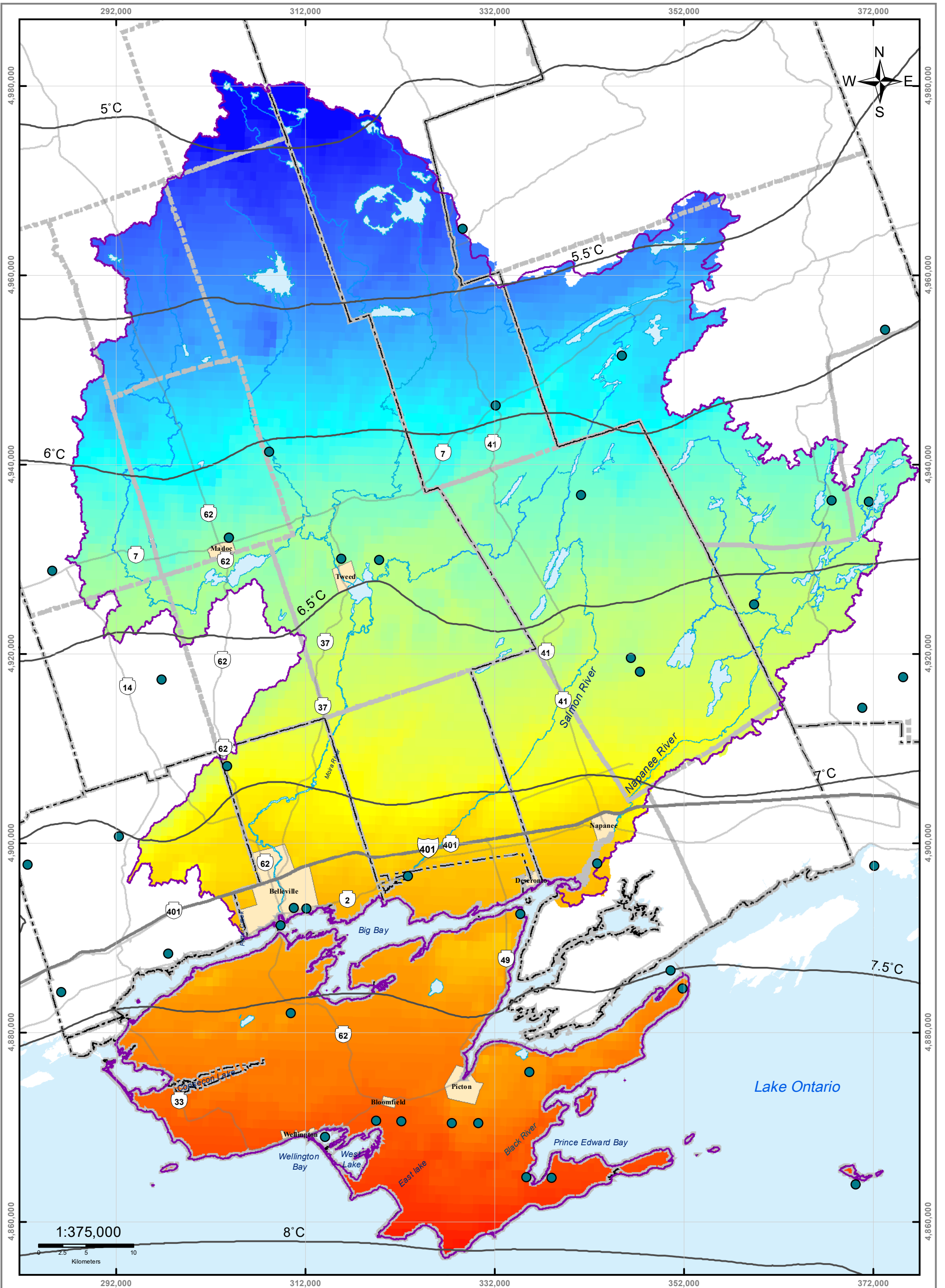
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 Base Map - Ministry of Natural Resources
 Impervious Areas - Created using Ontario Road Network

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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



Legend

- Climate Stations
- Isolines (°C)
- Temperature (°C)**
- High : 8
- Low : 5

Map 3.1

Mean Annual Temperature (1971-2000)

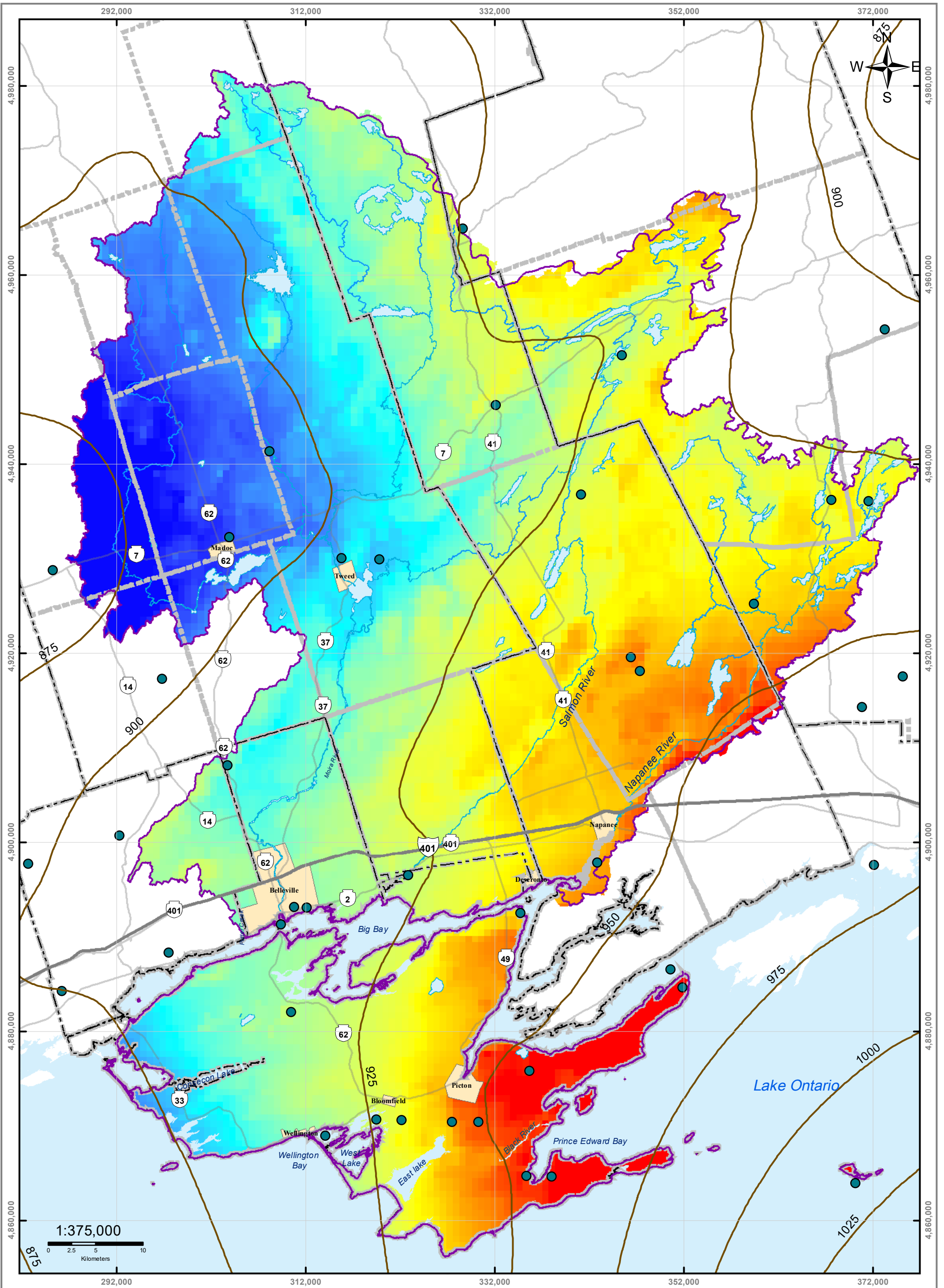


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Digital Mapping Sources:
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 Temperature - Waterloo Hydrogeologic Inc.

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Legend

- Climate Stations
- Precipitation Isolines (25mm)
- Highway 401
- Rivers
- Lakes
- Precipitation (mm)**
- High : 1021
- Low : 857

Map 3.2

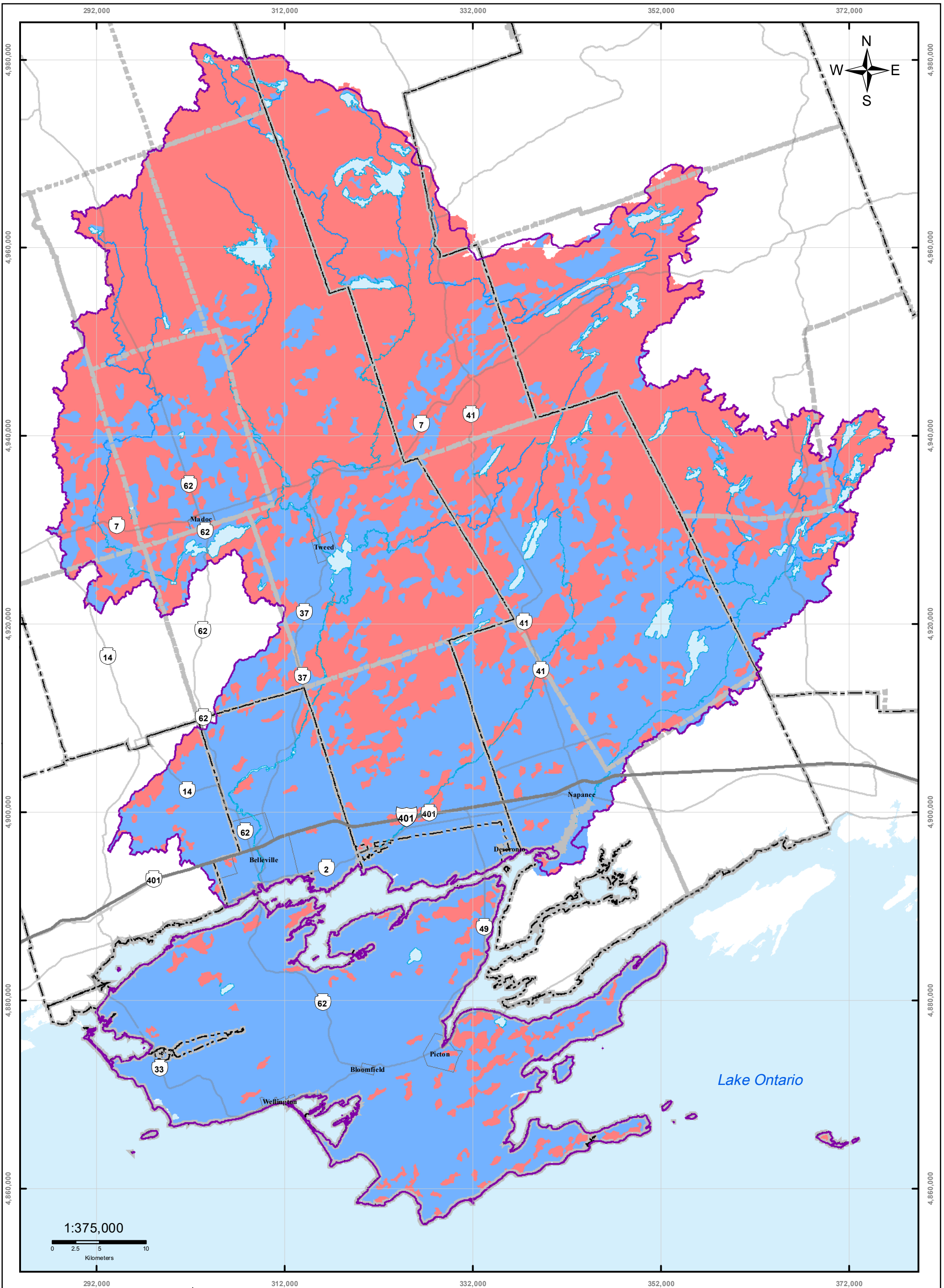
Mean Annual Precipitation (1971-2000)



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Precipitation - Waterloo Hydrogeologic Inc.
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Legend

- Highway 401
- Highways
- Rivers
- Lakes
- Populated Areas
- Quinte Watershed Area
- Low Land Cover (0.1)
- High Land Cover (0.2)



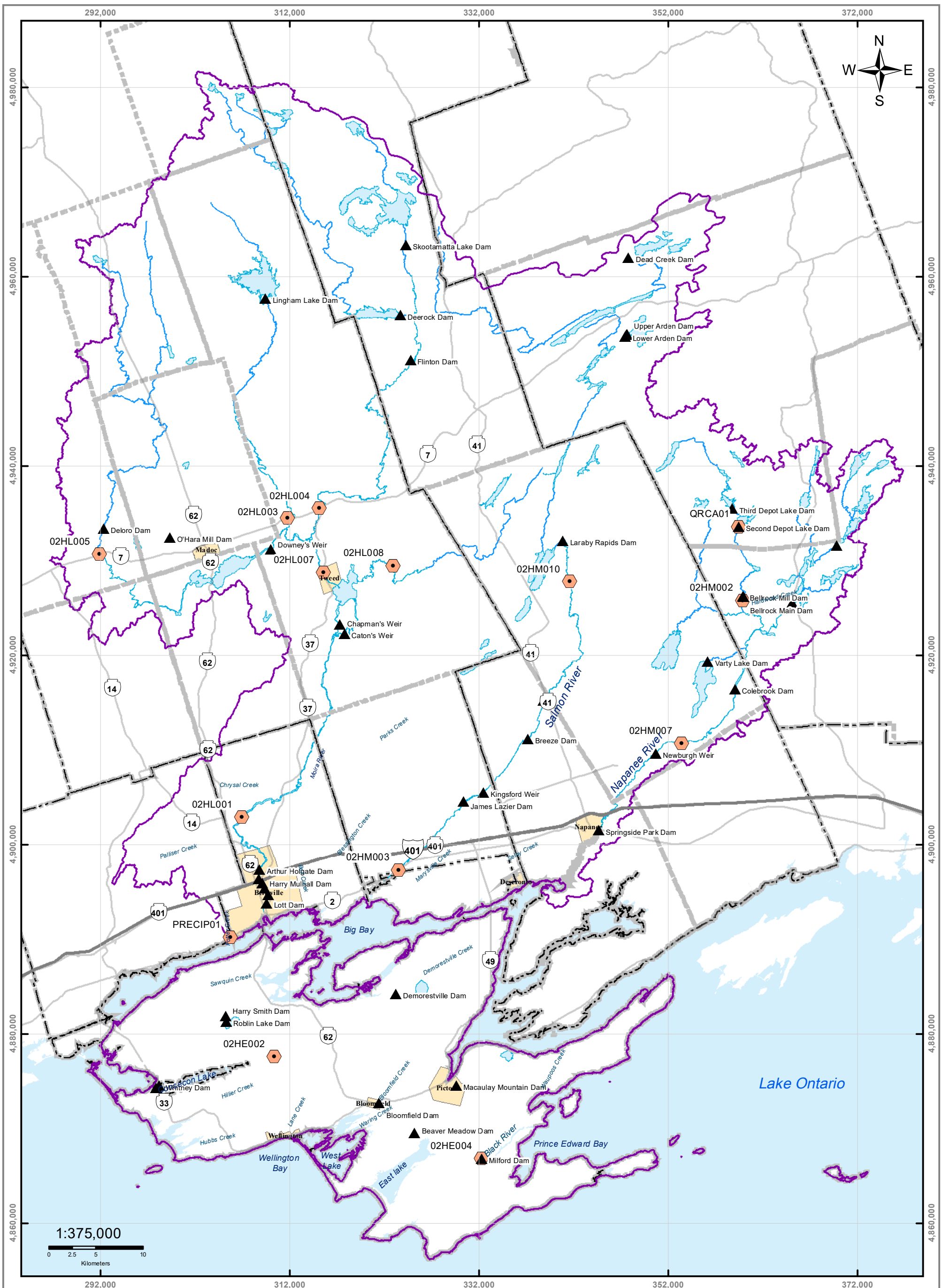
Maize River, Napanee Region and Prince Edward Region Watersheds.
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 Land Cover - Waterloo Hydrogeologic Inc.

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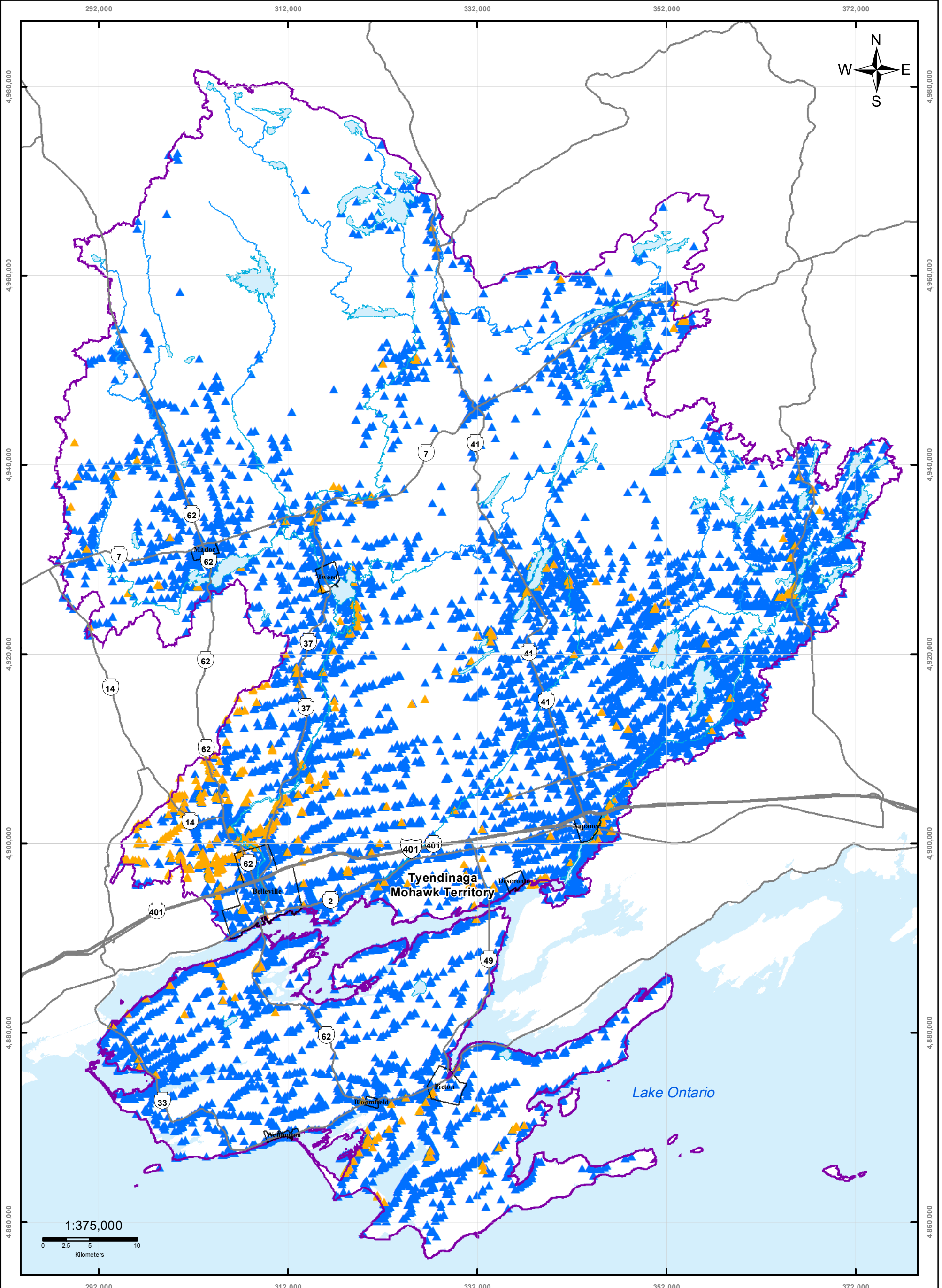

Map 3.3 Land Cover Classes



Legend

- ▲ Quinte Conservation Dams
- Stream Gauge Stations
- Highway 401
- Highways
- Rivers
- Lakes
- Populated Areas
- Quinte Watershed Area

Map 3.4 Dam Locations & Stream Gauge Stations

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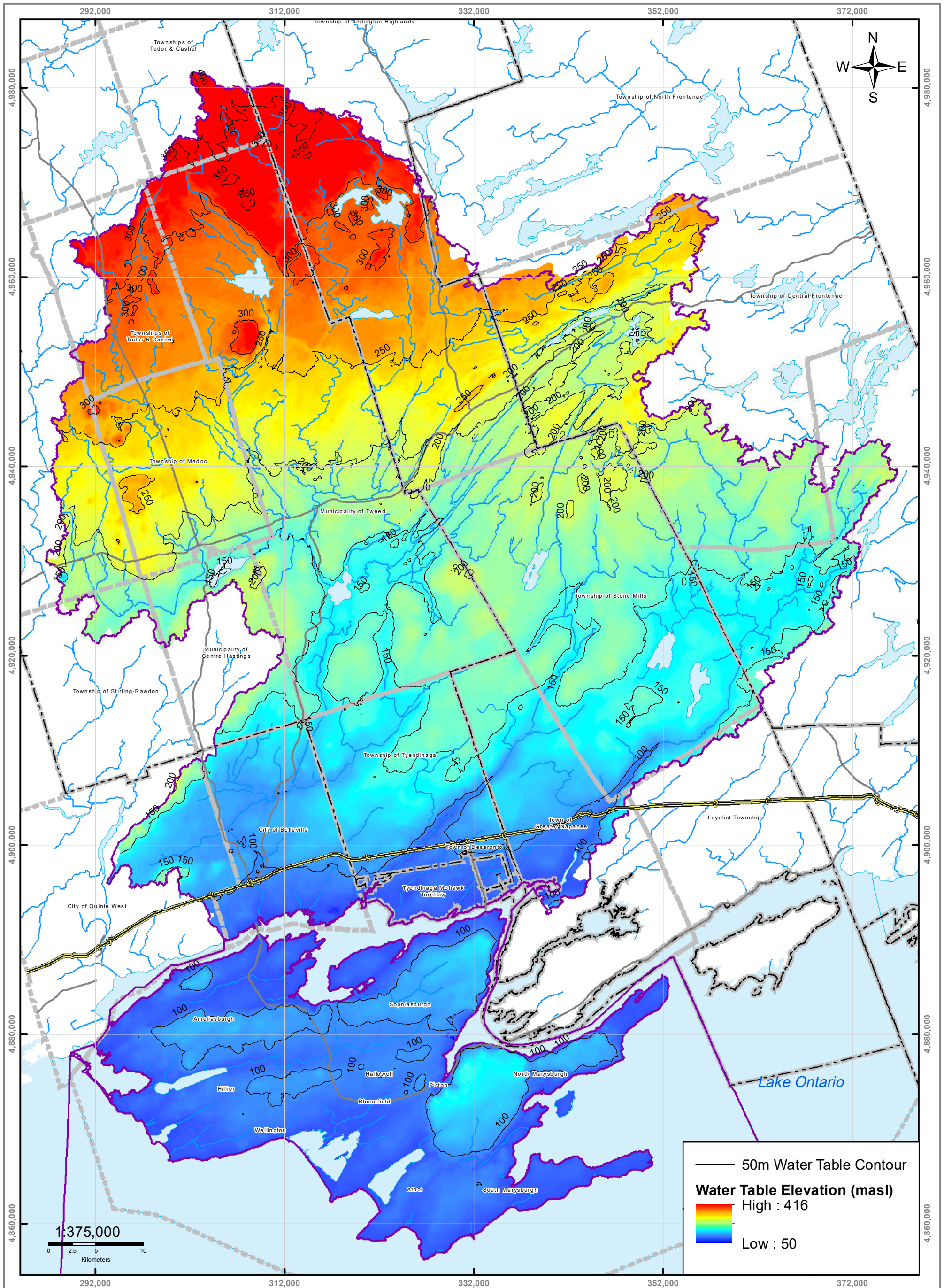
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Legend

- ▲ Overburden Wells
- ▲ Bedrock Wells
- Highway 401
- Highways
- Rivers
- Lakes
- Quinte Watershed

Map 3.5 Water Well Locations*

*Only water wells with reliable UTM coordinates displayed on the map



— 50m Water Table Contour

Water Table Elevation (masl)

High : 416

Low : 50

Legend

- Highway 401
- Rivers
- Quinte Watershed Area
- Highways
- Lakes



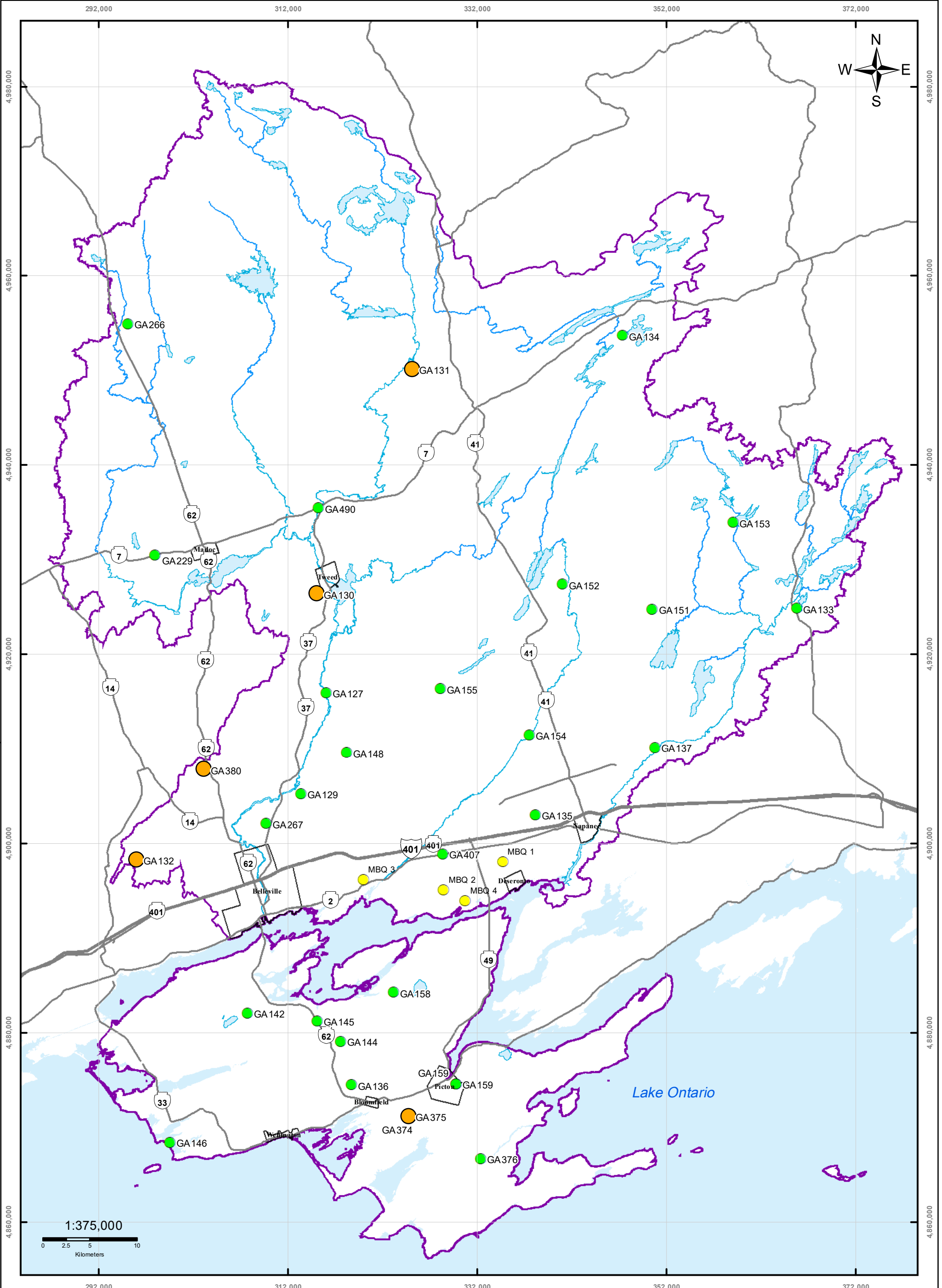

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Digital Mapping Sources:
 Base Map - Ontario Ministry of Natural Resources
 Water Table Elevation - Dillon Consulting

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Map 3.6 Water Table Elevation

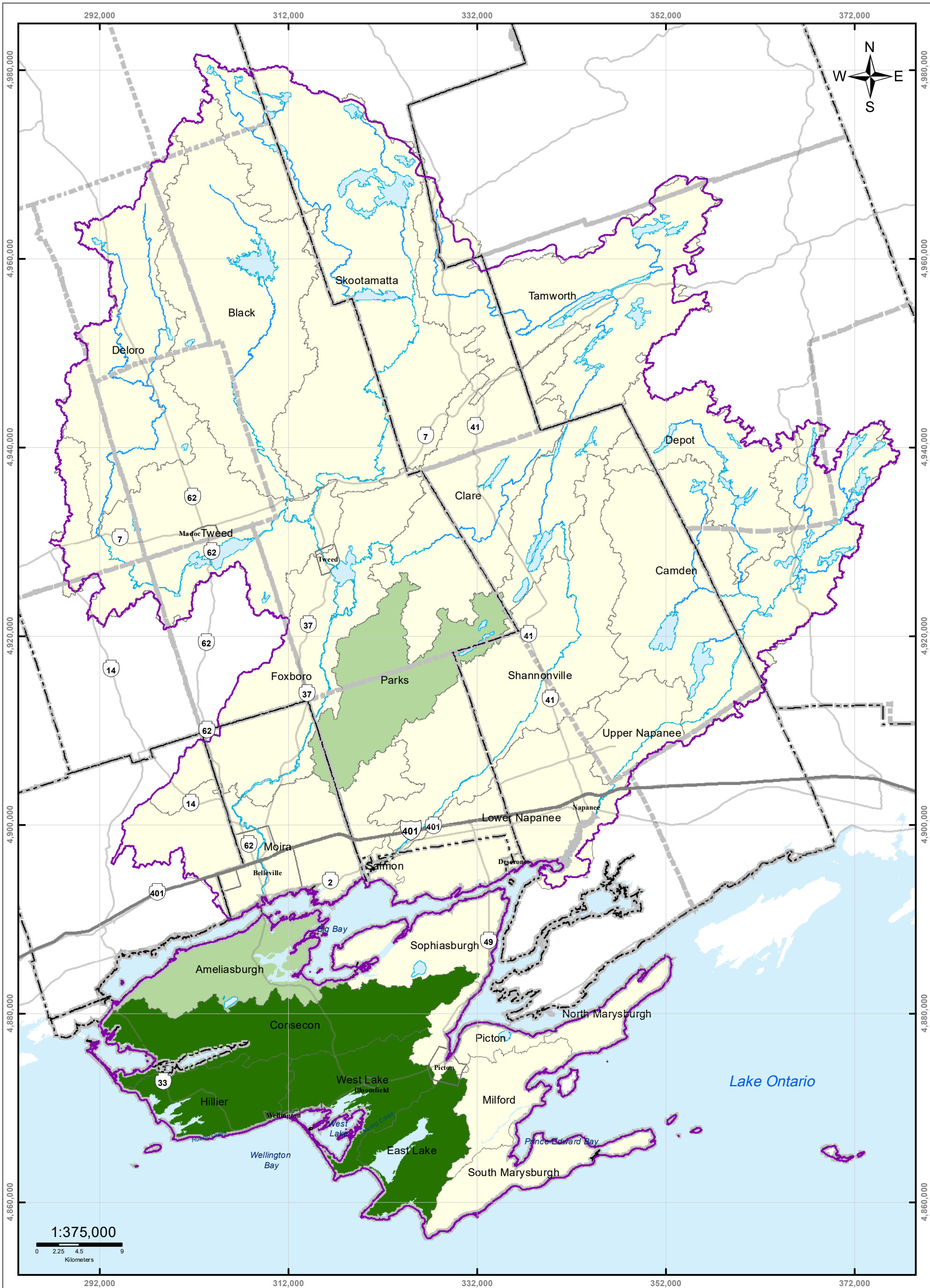



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Legend

● PGMN Wells	— Highway 401	 Lakes
● PGMN Wells in SGRAs	— Highways	 Quinte Watershed
● Mohawk Monitoring Wells	— Rivers	 Populated Areas


Map 3.7 Quinte Monitoring Wells



Legend

- Highway 401
- Rivers
- Highways
- Lakes
- Potential Stress**
- Low
- Moderate
- Significant

Map 3.8 Potential Surface Water Stress



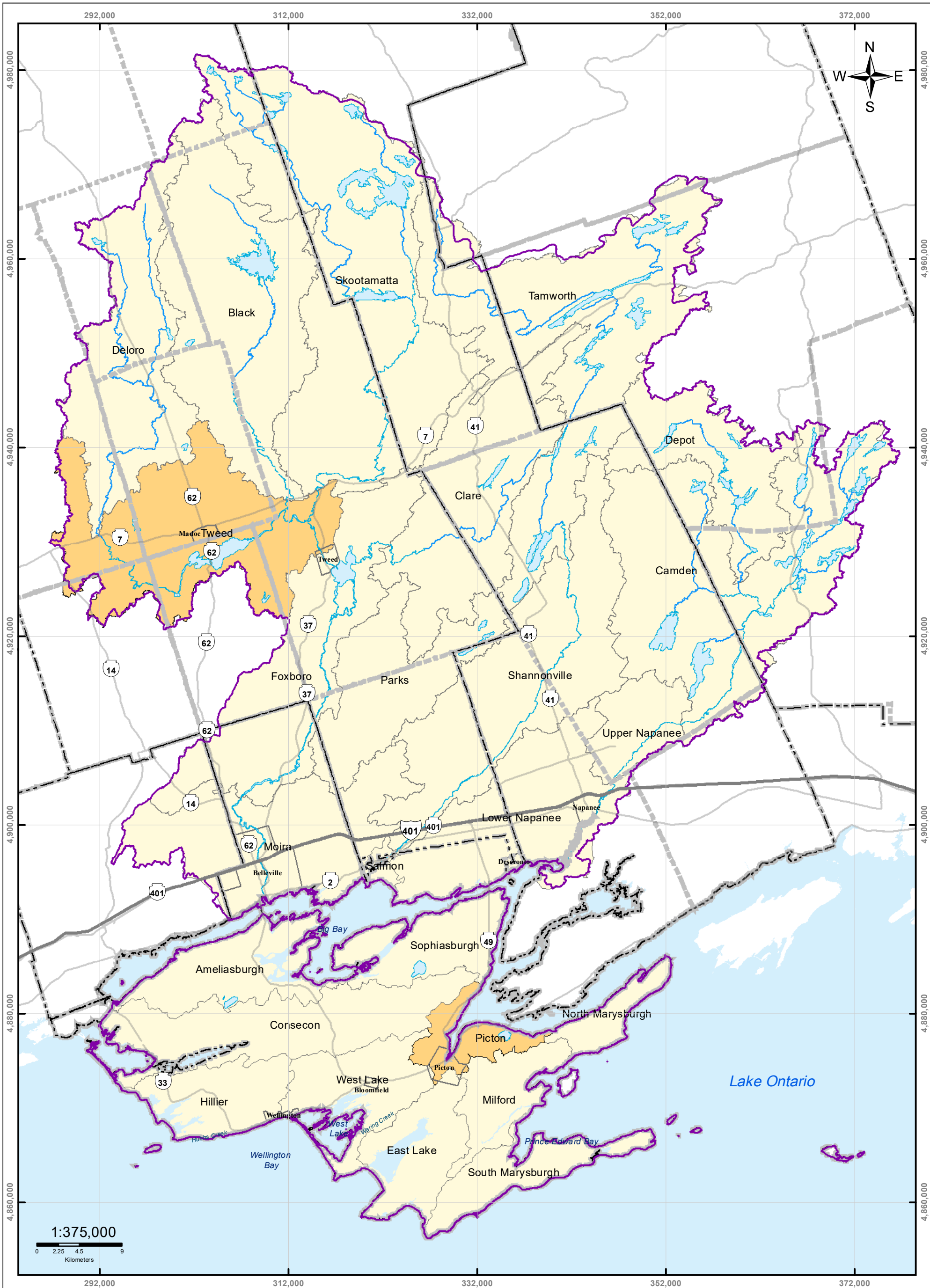
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Legend

- Highway 401
- Rivers
- Highways
- Lakes
- Potential Stress**
- Low
- Moderate

Map 3.9 Potential Groundwater Stress



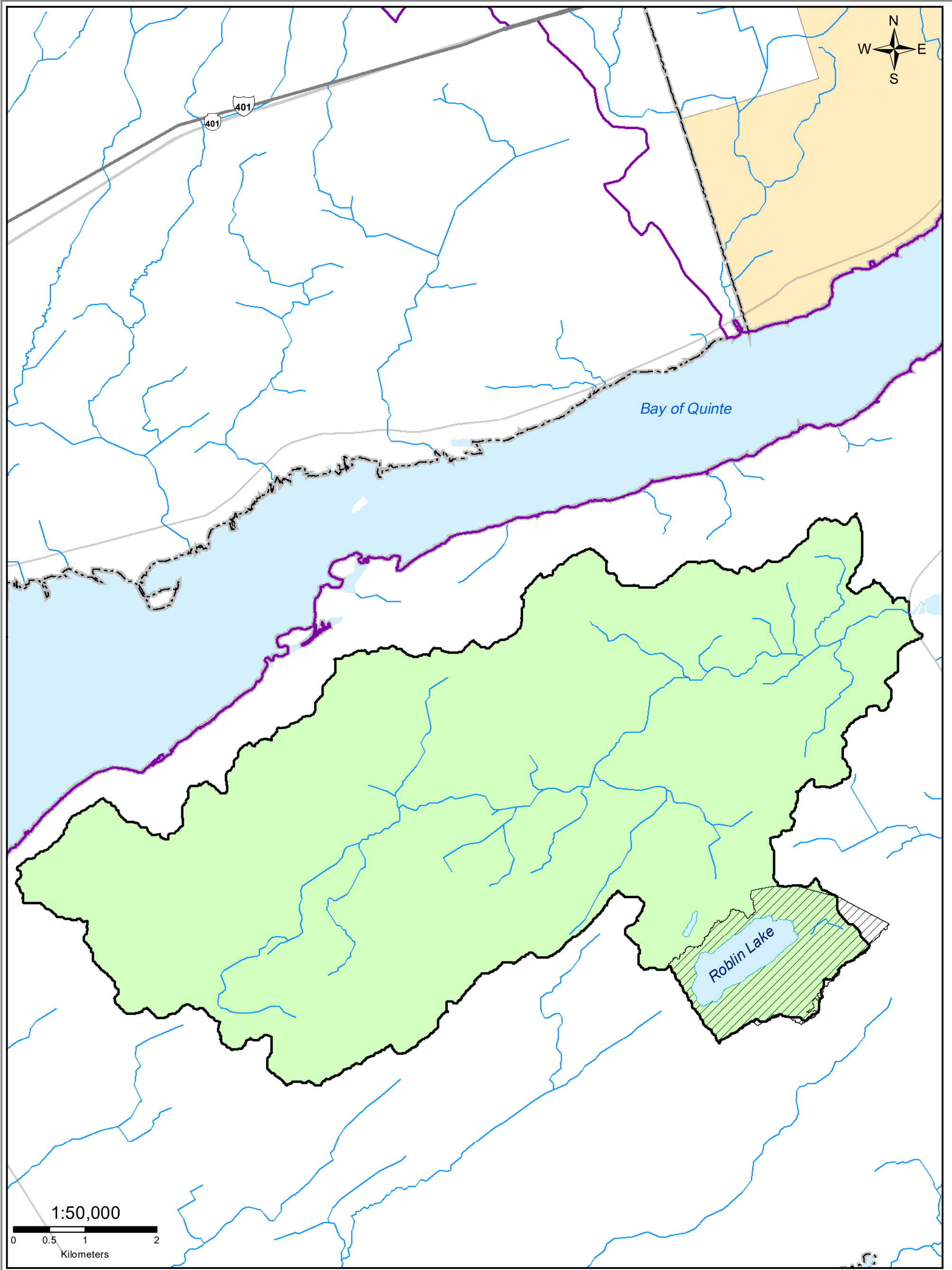

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Y:\WP\Data_Media\MLT_AR\Report_Final_V1_2010\Map3_9_Potential_Groundwater_Stress_2023.mxd

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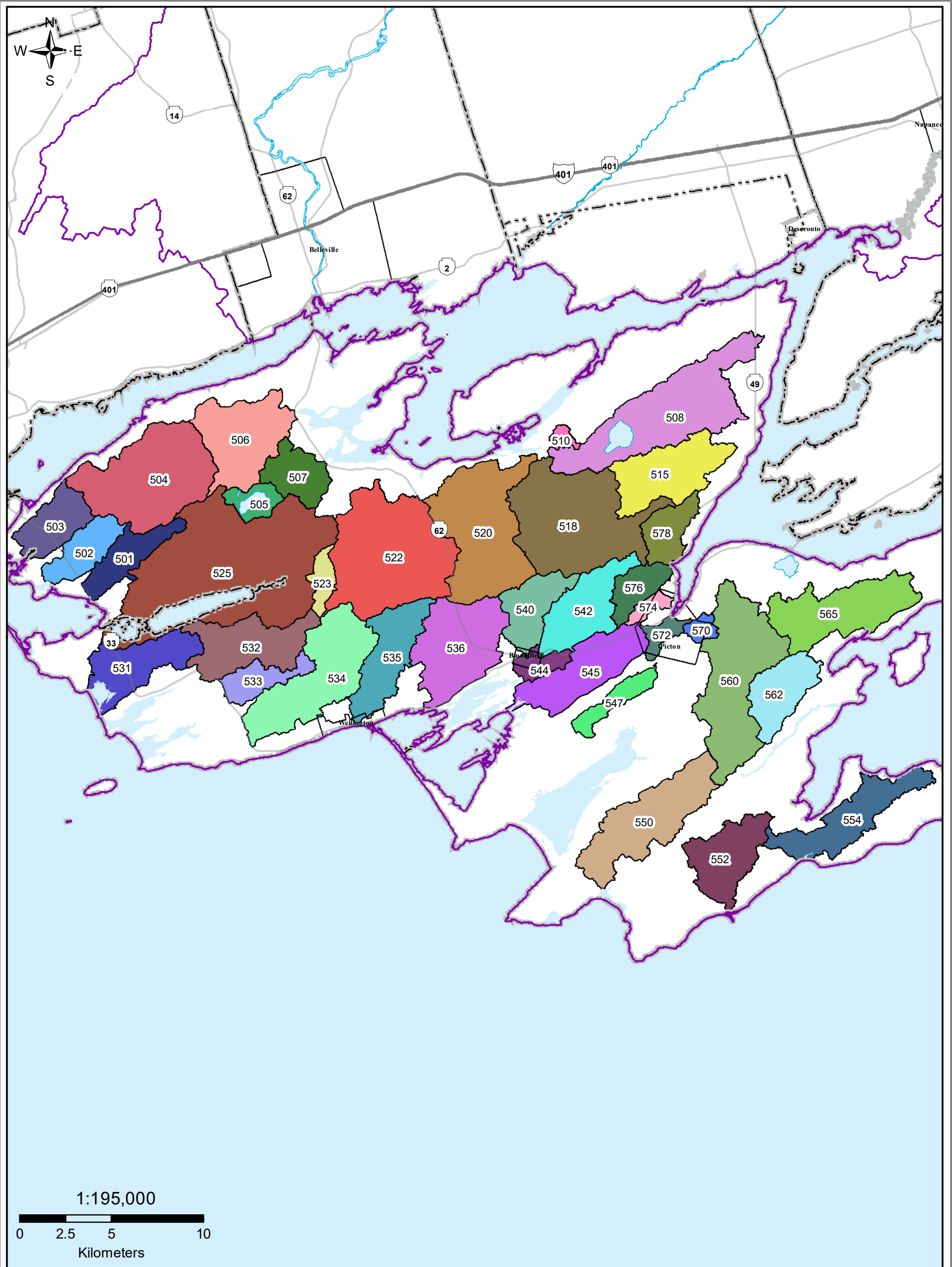
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Legend

- Highway 401
- Highways
- Rivers
- Lakes
- Populated Areas
- Roblin Lake Watershed
- Sawguin Creek Drainage Area
- Quinte Watershed Area

Map 3.10 Ameliasburgh Tier Two Study Area



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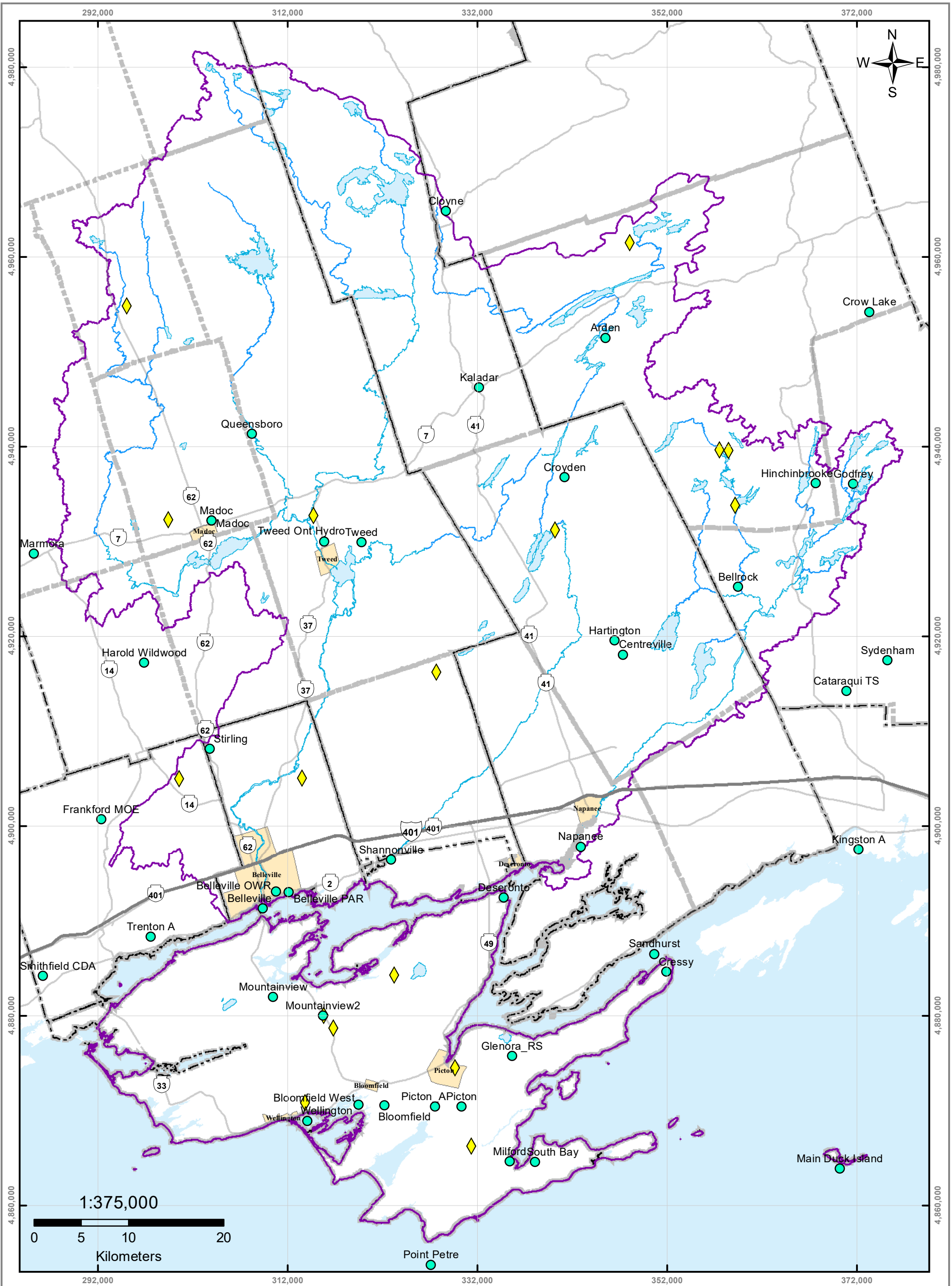

Digital Mapping Sources:
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Legend

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

Map 3.11
Prince Edward County Subcatchments for Surface Water Model

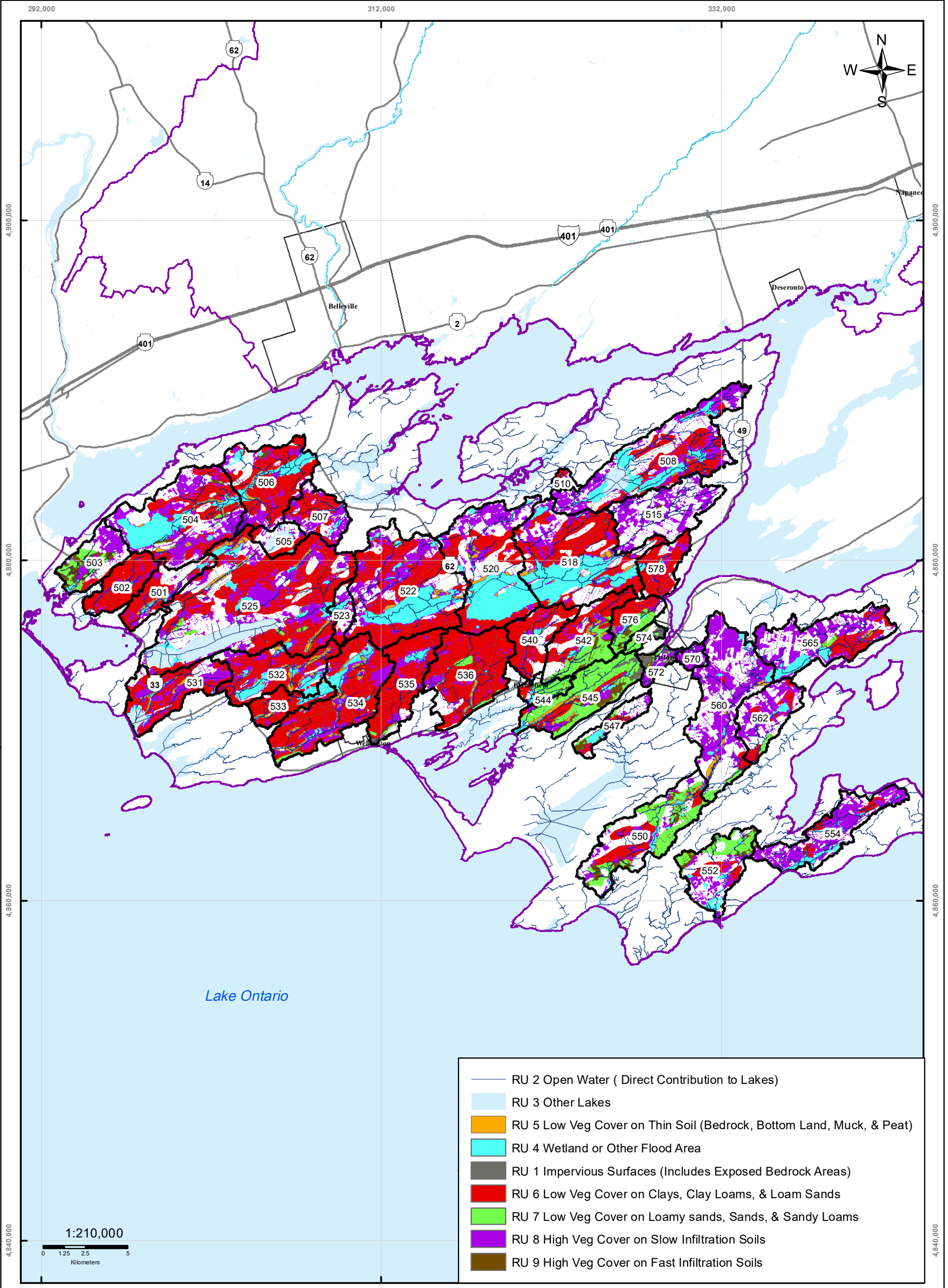












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 Digital Mapping Sources:
 Base Map - Ontario Ministry of Natural Resources
 Meteorological Stations - Environment Canada
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Legend

- Meteorological Stations
- ◆ Snow Survey Sites
- Highway 401
- Highways
- Rivers
- Lakes
- Populated Areas

Map 3.12 Quinte Area Meteorological Stations



-  RU 2 Open Water (Direct Contribution to Lakes)
-  RU 3 Other Lakes
-  RU 5 Low Veg Cover on Thin Soil (Bedrock, Bottom Land, Muck, & Peat)
-  RU 4 Wetland or Other Flood Area
-  RU 1 Impervious Surfaces (Includes Exposed Bedrock Areas)
-  RU 6 Low Veg Cover on Clays, Clay Loams, & Loam Sands
-  RU 7 Low Veg Cover on Loamy sands, Sands, & Sandy Loams
-  RU 8 High Veg Cover on Slow Infiltration Soils
-  RU 9 High Veg Cover on Fast Infiltration Soils








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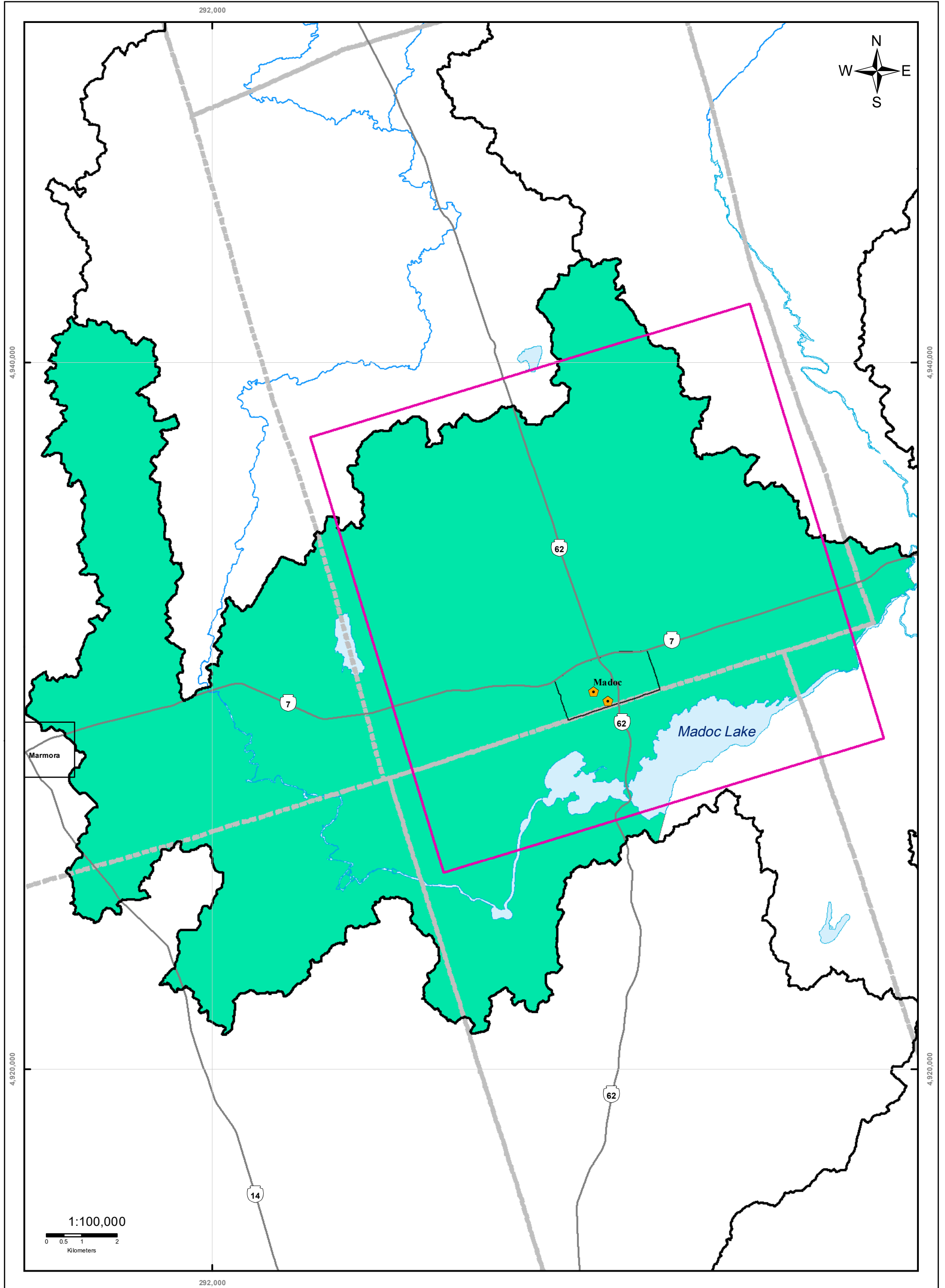
Digital Mapping Sources:
 Base Map - Ministry of Natural Resources
 Soil Data - Ministry of Natural Resources

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Legend

-  Highway 401
-  Rivers
-  Quinte Watershed
-  Highways
-  PEC Subcatchments

Map 3.13 Hydrologic Response Units for Prince Edward County



Legend

- Municipal Wells
- Rivers
- New Groundwater Model Area
- Highways
- Lakes
- Dillon Groundwater Model Area



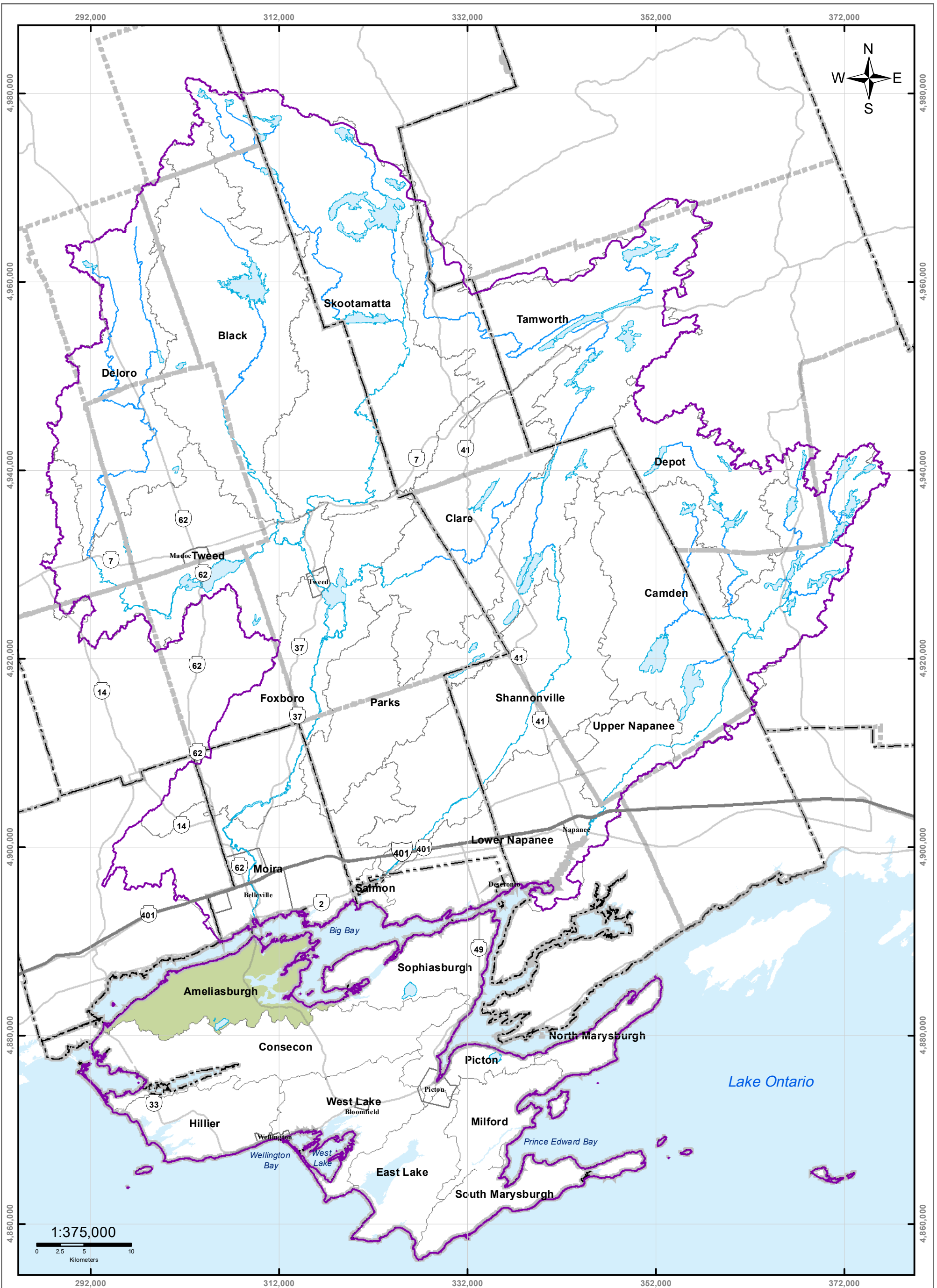
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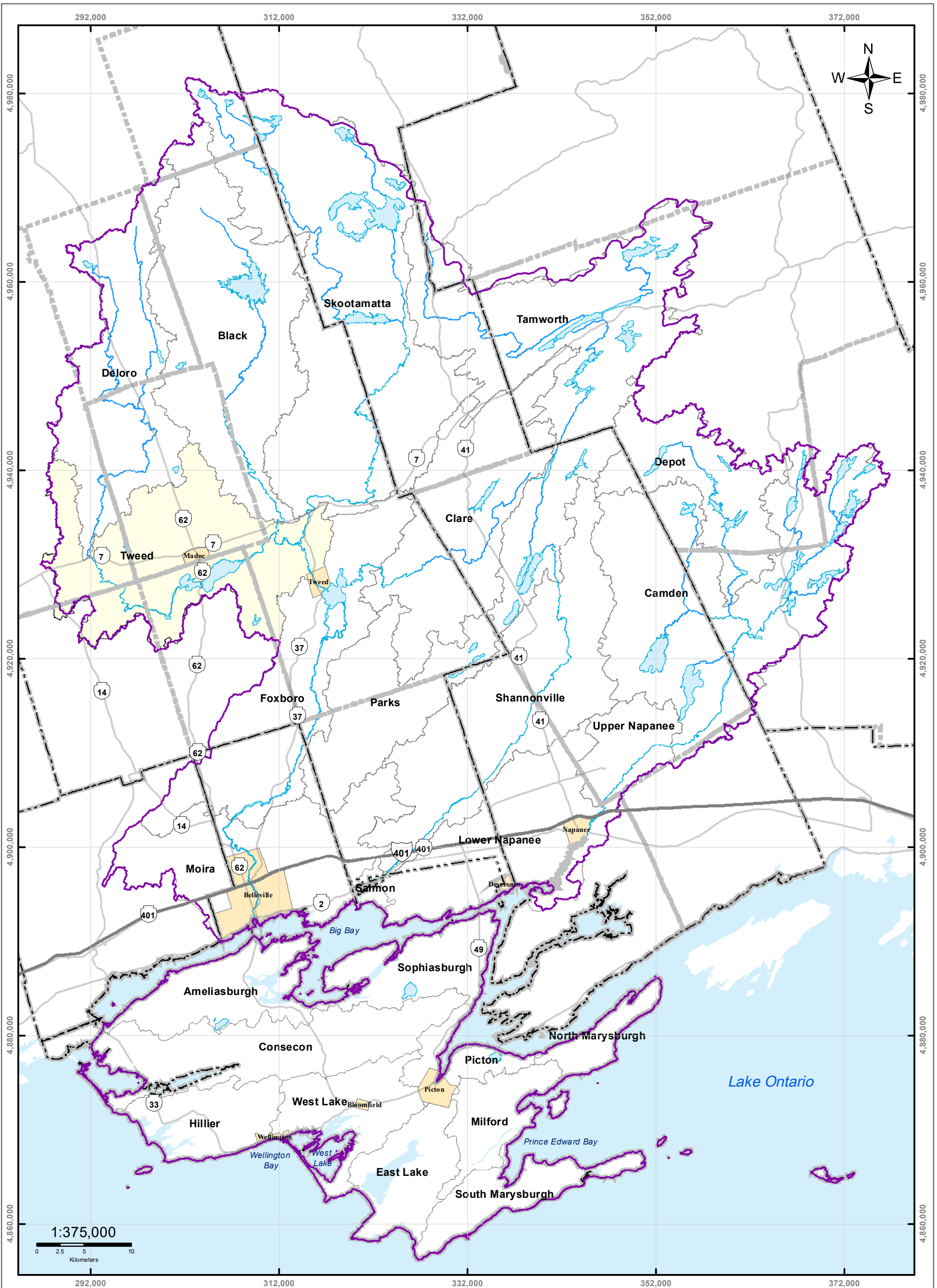
Map 3.14 Groundwater Model Study Area



Legend

- Highway 401
- Highways
- Rivers
- Lakes
- Potential Stress
- Tier 1 Evaluated
- Low

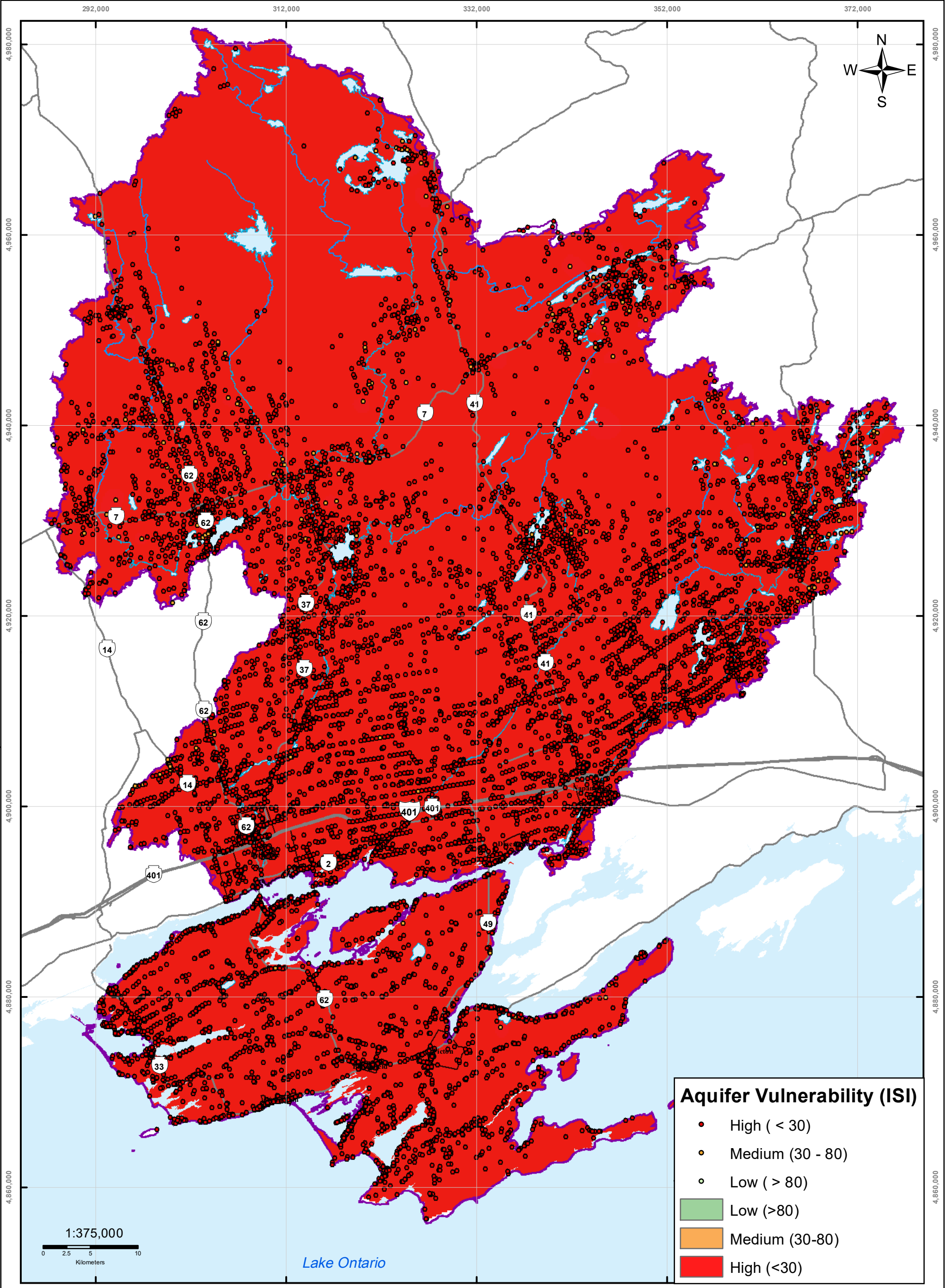
Map 3.15 Tier 2 Potential Surface Water Stress



Legend

- Highway 401
- Highways
- Rivers
- Lakes
- Potential Stress**
- Tier 1 Evaluated
- Tweed

Map 3.16 Tier 2 Potential Groundwater Stress



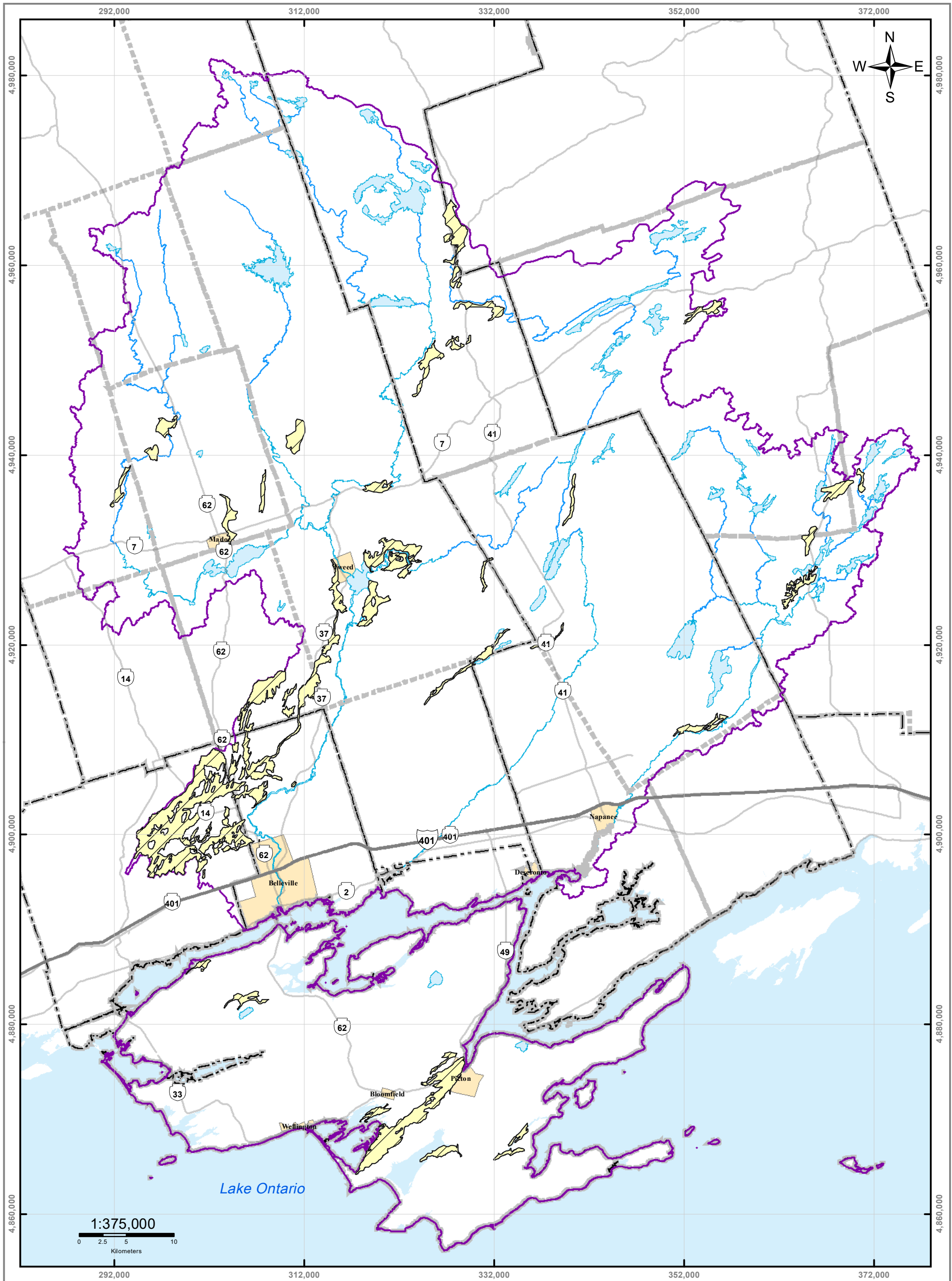

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 Soil Data - Ministry of Natural Resources

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Map 5.1 Highly Vulnerable Aquifers

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CONSERVATION**








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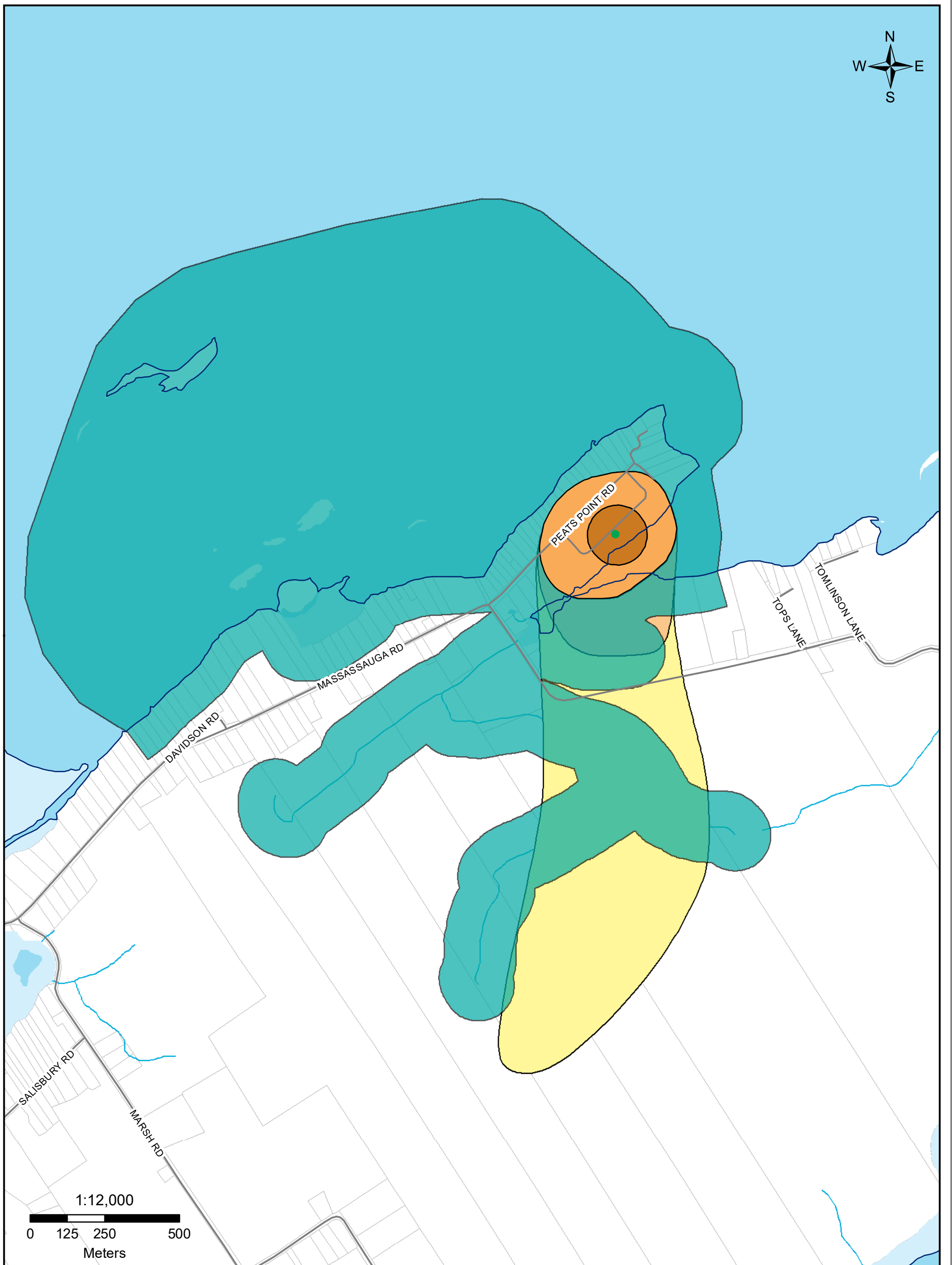
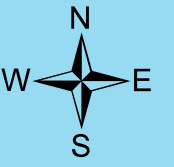
Digital Mapping Sources:
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Legend

 Highway 401	 Rivers	 Quinte Watershed Area	 Significant Recharge Areas
 Highways	 Lakes	 Populated Areas	

Map 5.2 Significant Groundwater Recharge Areas



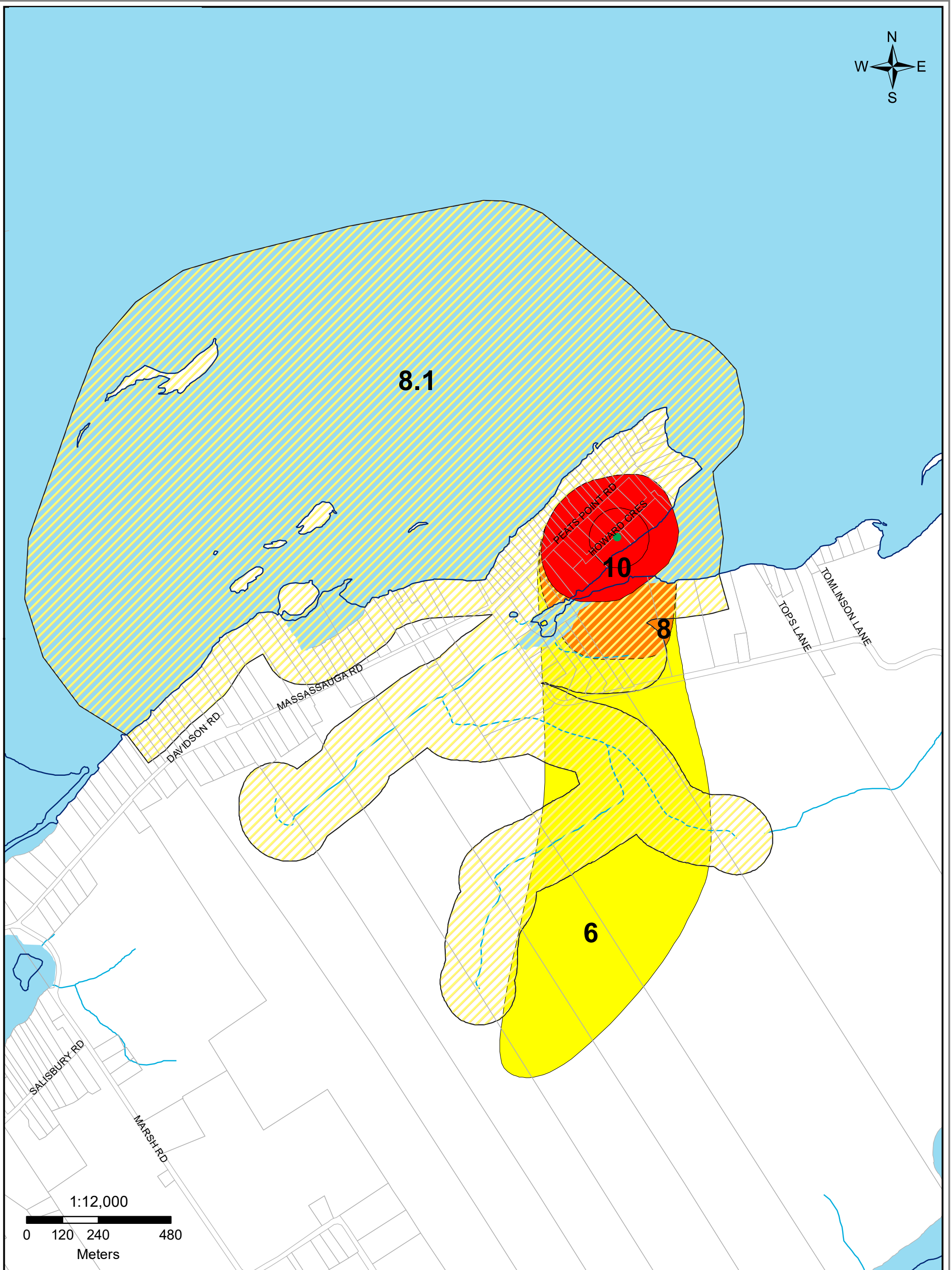
Legend

- Water Courses
- Shoreline
- WHPA A
- WHPA B
- WHPA C
- WHPA D
- WHPA E
- Parcels

Map 5.3 Peats Point Wellhead Protection Area



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WHPAs - Dillon Consulting
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Legend

- Municipal Well
- Water Courses
- Vulnerability = 8.1
- Vulnerability = 6
- Shoreline
- Vulnerability = 10
- Vulnerability = 8
- Parcels

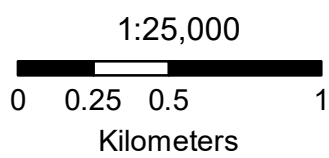
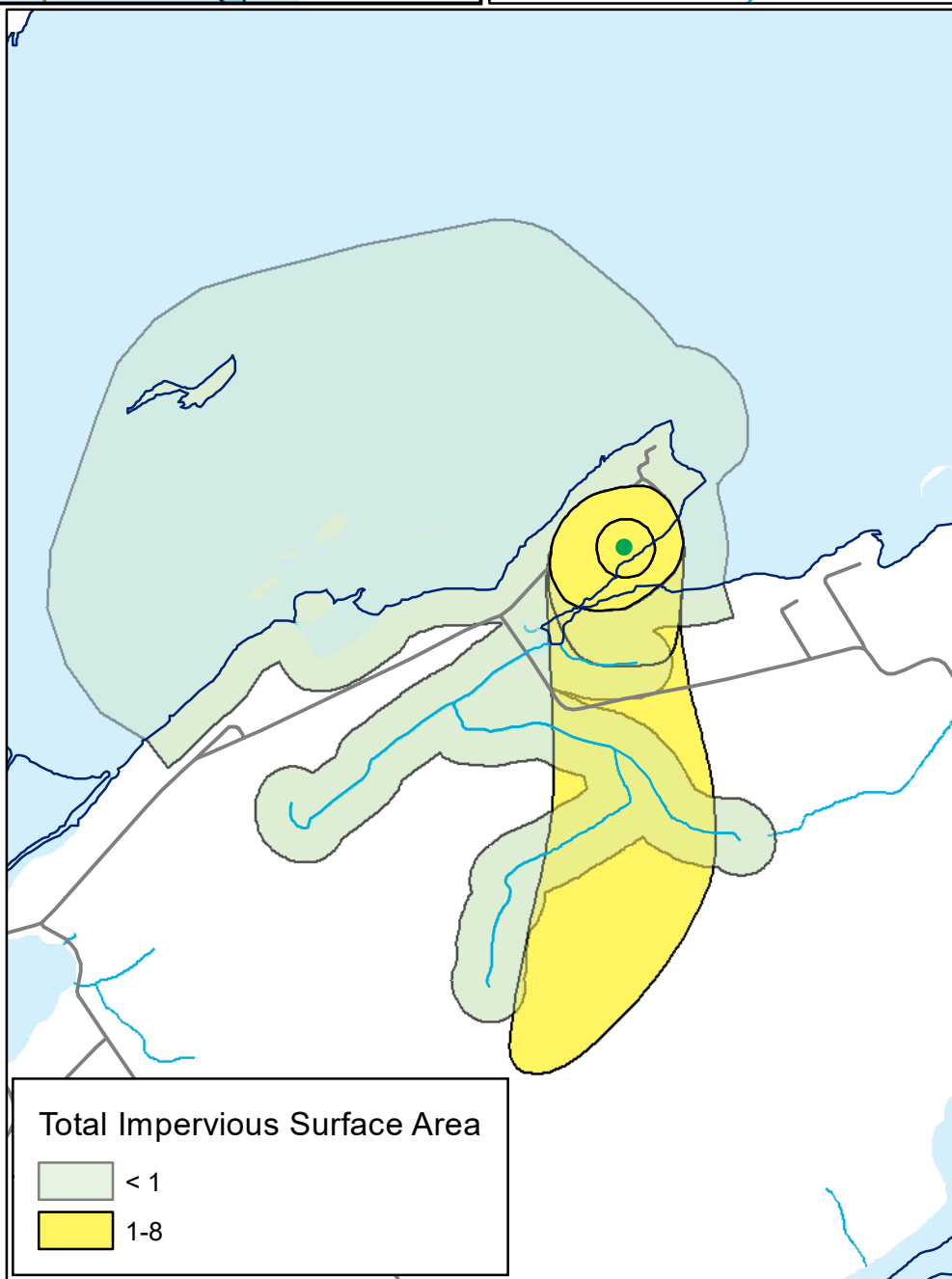
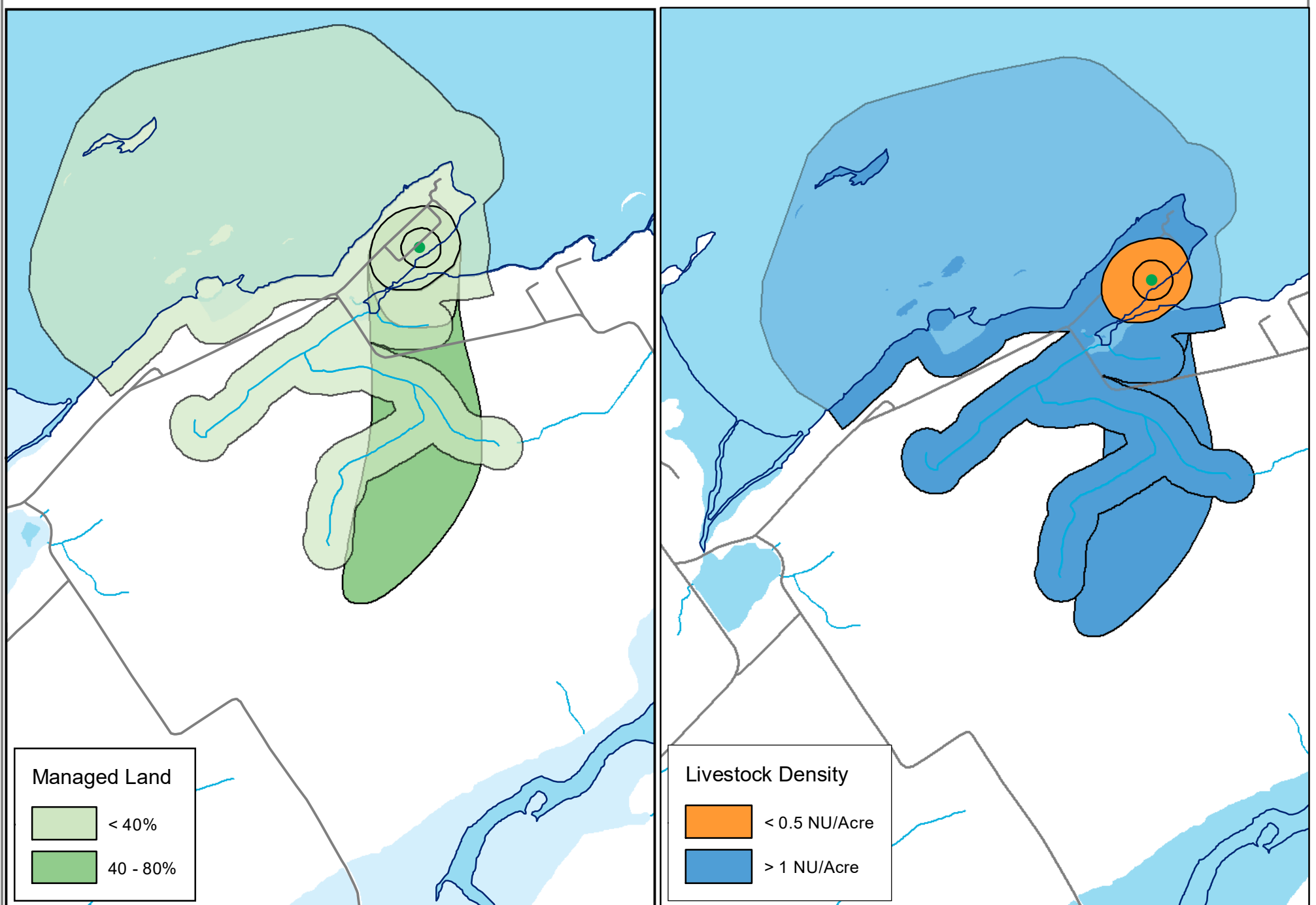


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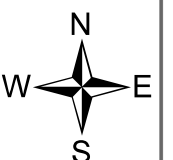
Digital Mapping Sources:
Base Map - Ontario Ministry of Natural Resources

Map 5.4 Peats Point Vulnerability Scoring



Legend

● Municipal Well — Roads — Water Courses



Map 5.5 Peats Point Wellhead Protection Area Managed Land, Livestock Density & Impervious Surface Area

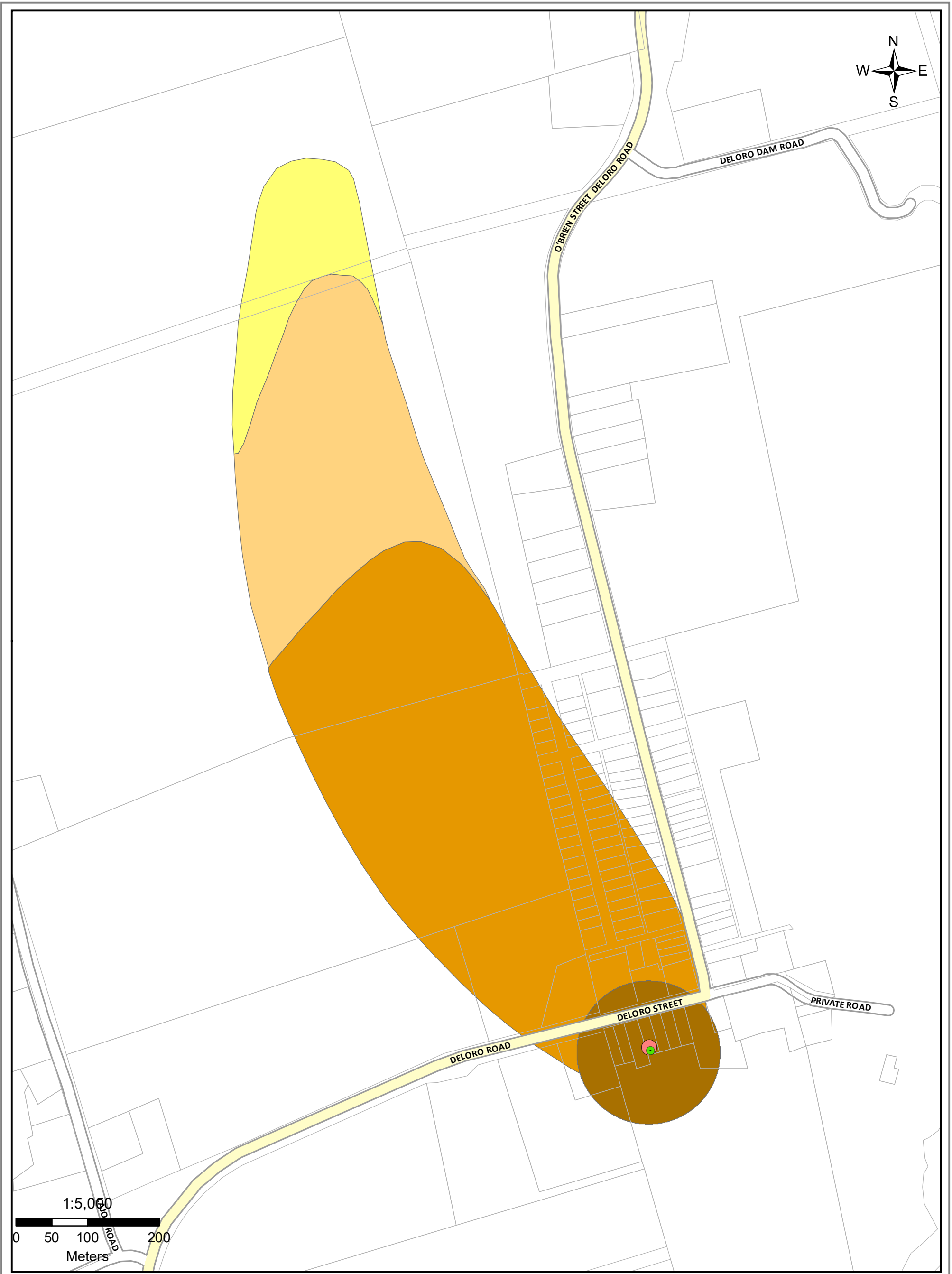


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Monitoring Wells - Municipality of Marmora & Lake

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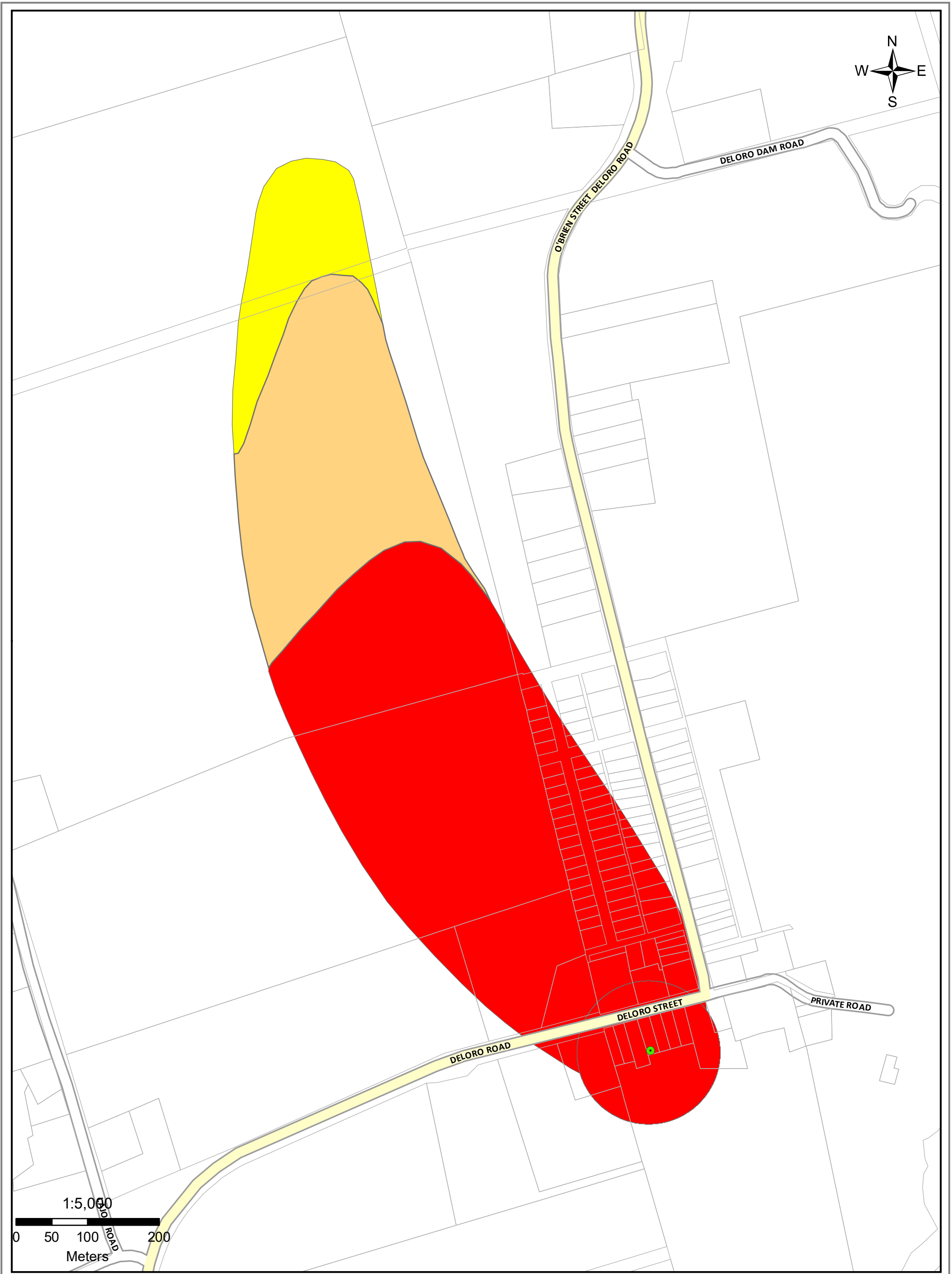

Legend

- Municipal Well
- Monitoring Wells
- WHPA A
- WHPA B
- WHPA C
- WHPA D

Map 5.6 Deloro Wellhead Protection Area



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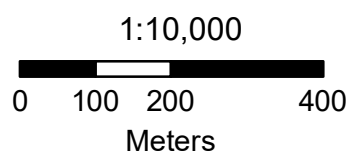
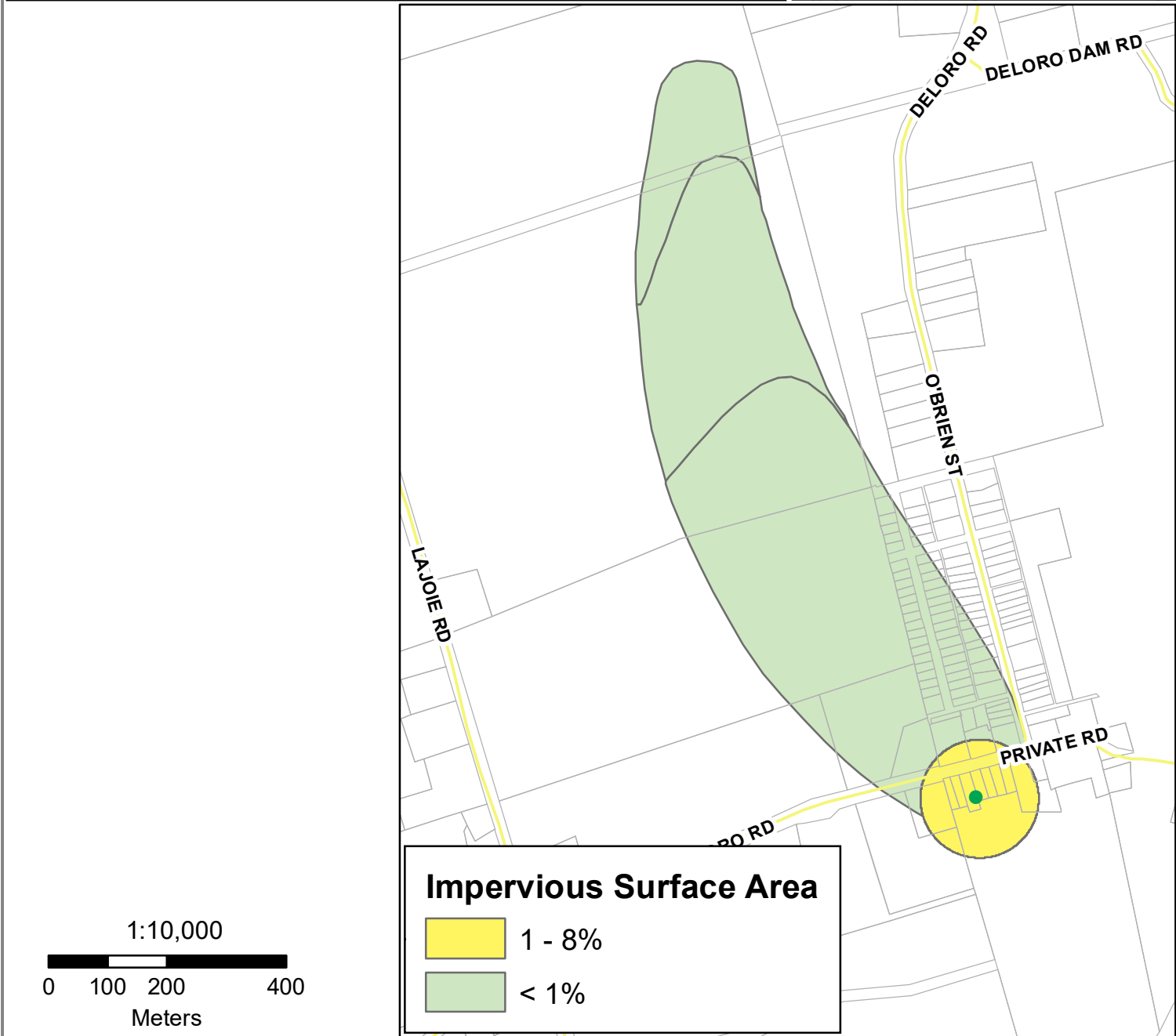
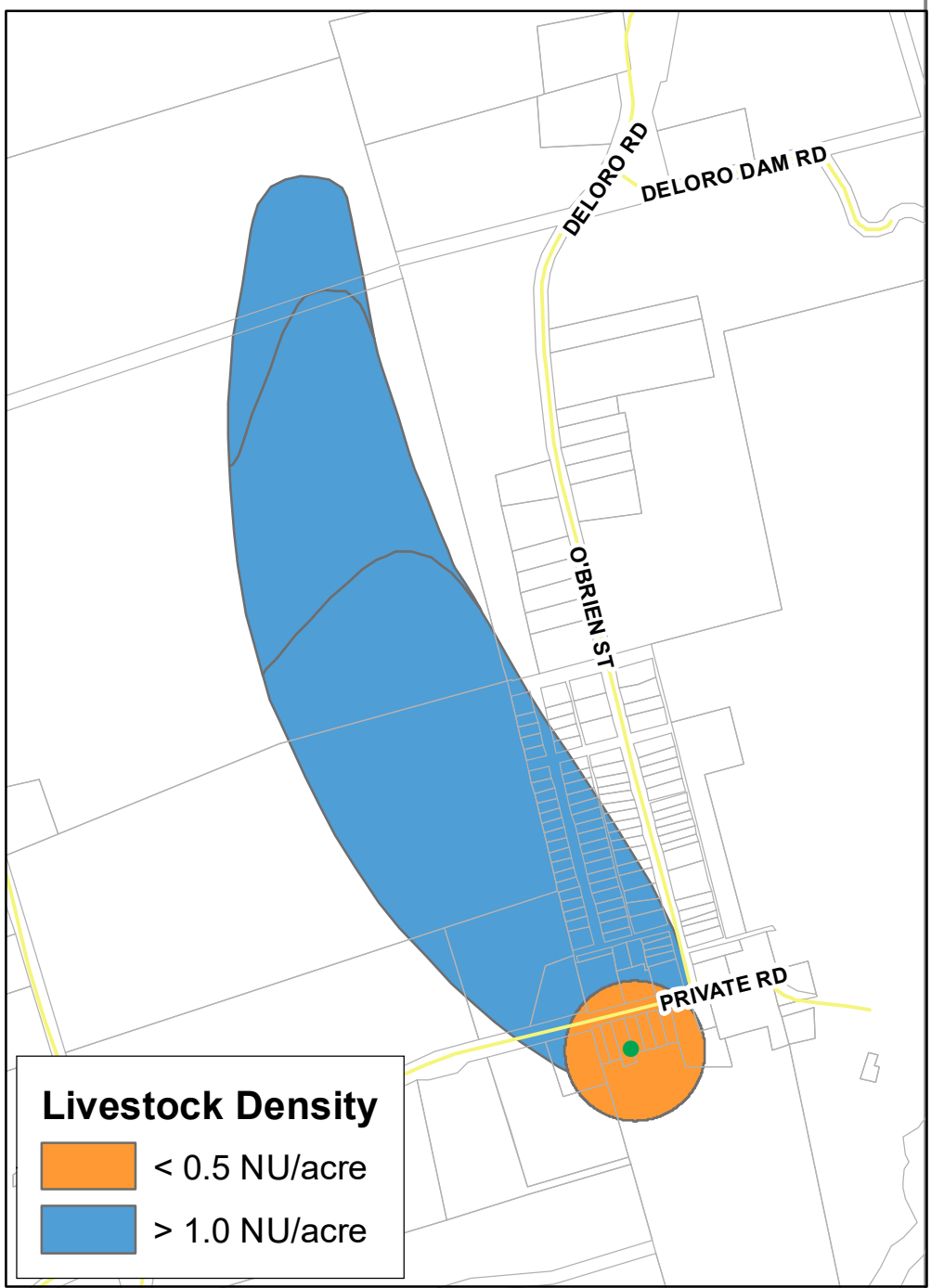
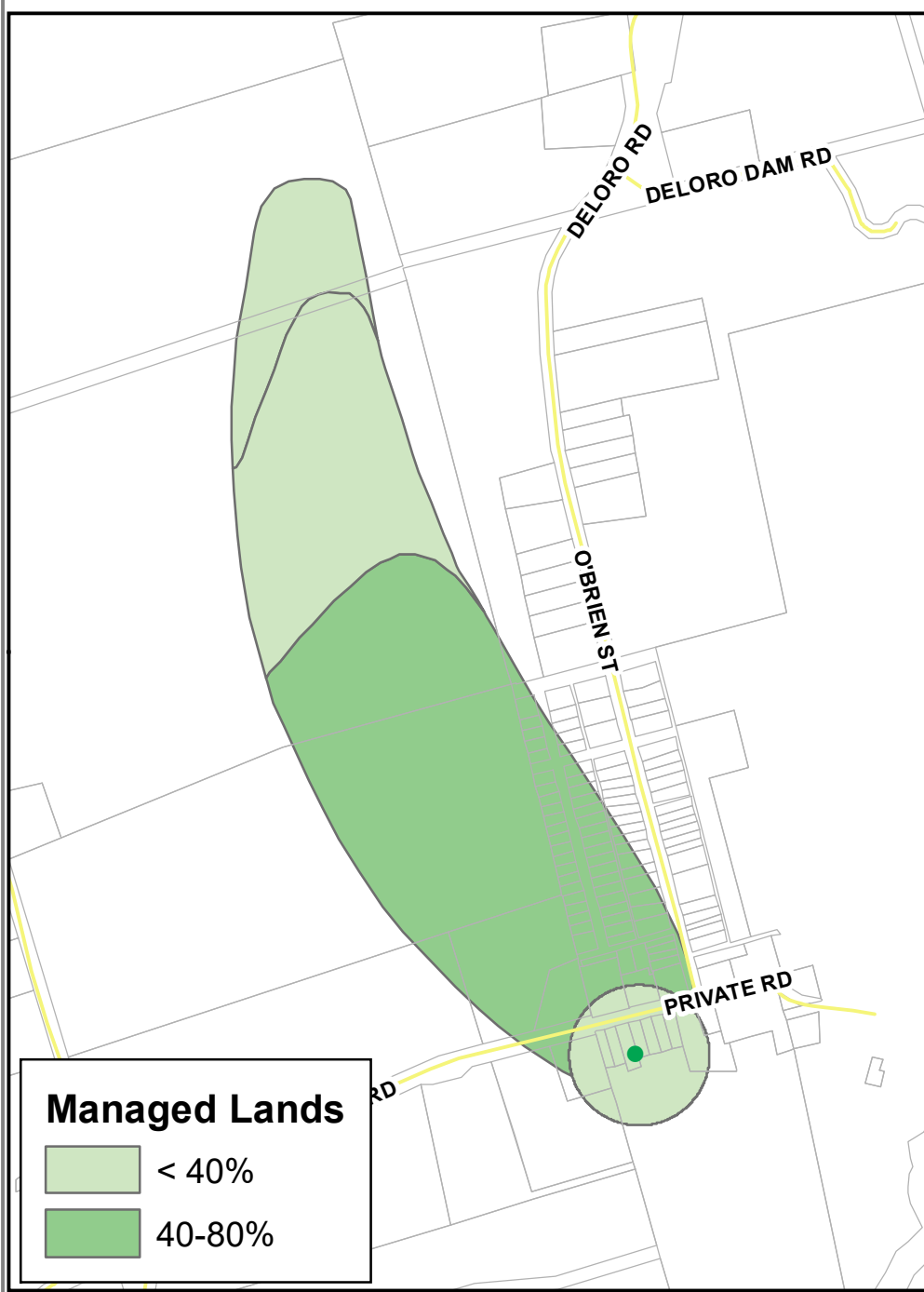
Digital Mapping Sources:
 Base Map - Ontario Ministry of Natural Resources
 Monitoring Wells - Municipality of Marmora & Lake

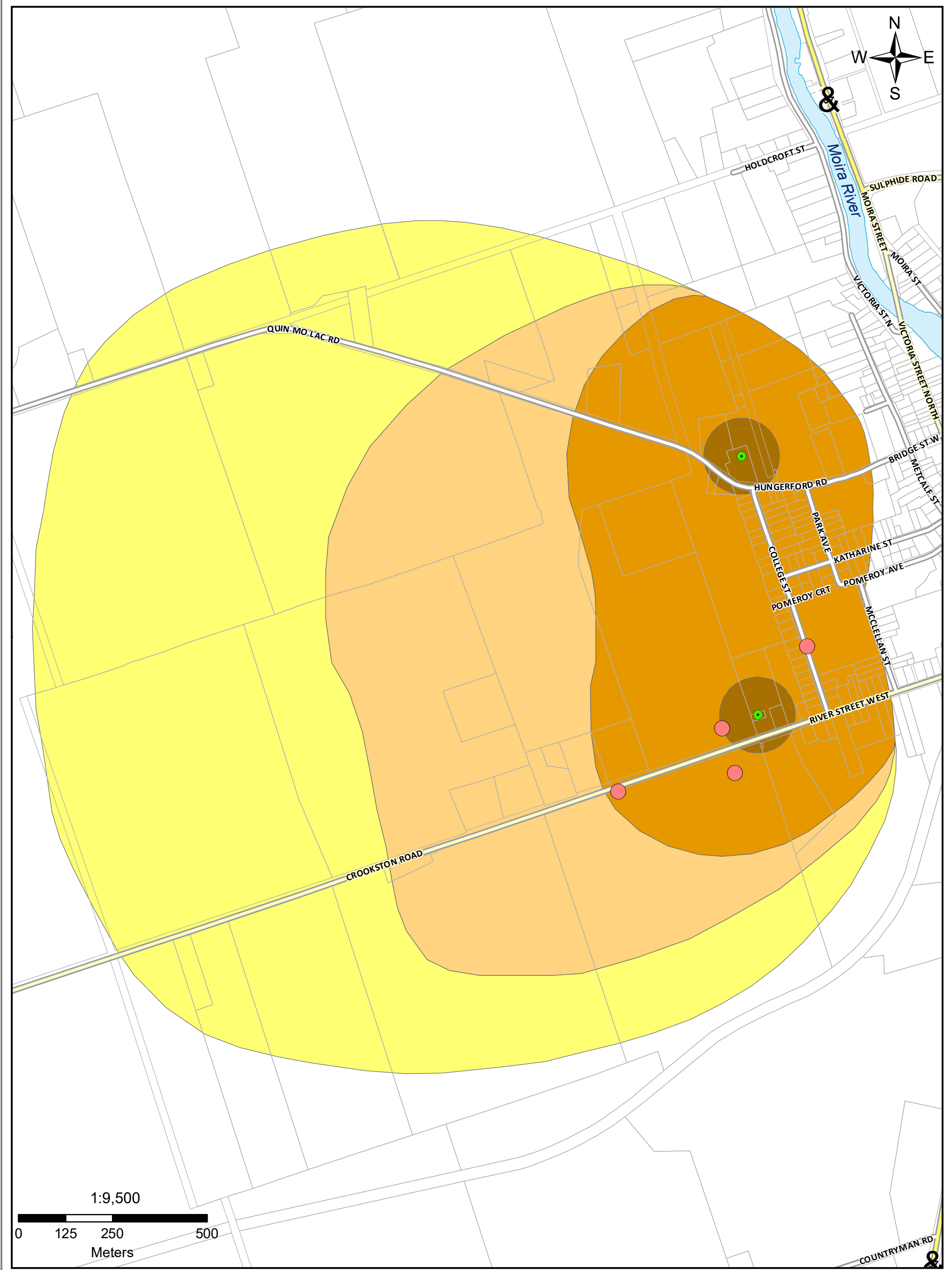
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Legend

- Municipal Well
- Parcels
- Vulnerability = 10
- Vulnerability = 6
- Vulnerability = 8

Map 5.7 Deloro Vulnerability Scoring





Legend

- Municipal Wells
- Monitoring Wells
- Parcels
- WHPA A
- WHPA B
- WHPA C
- WHPA D

Map 5.9 Tweed Wellhead Protection Area

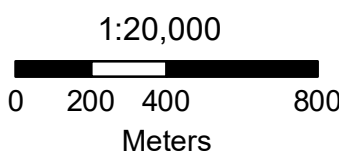
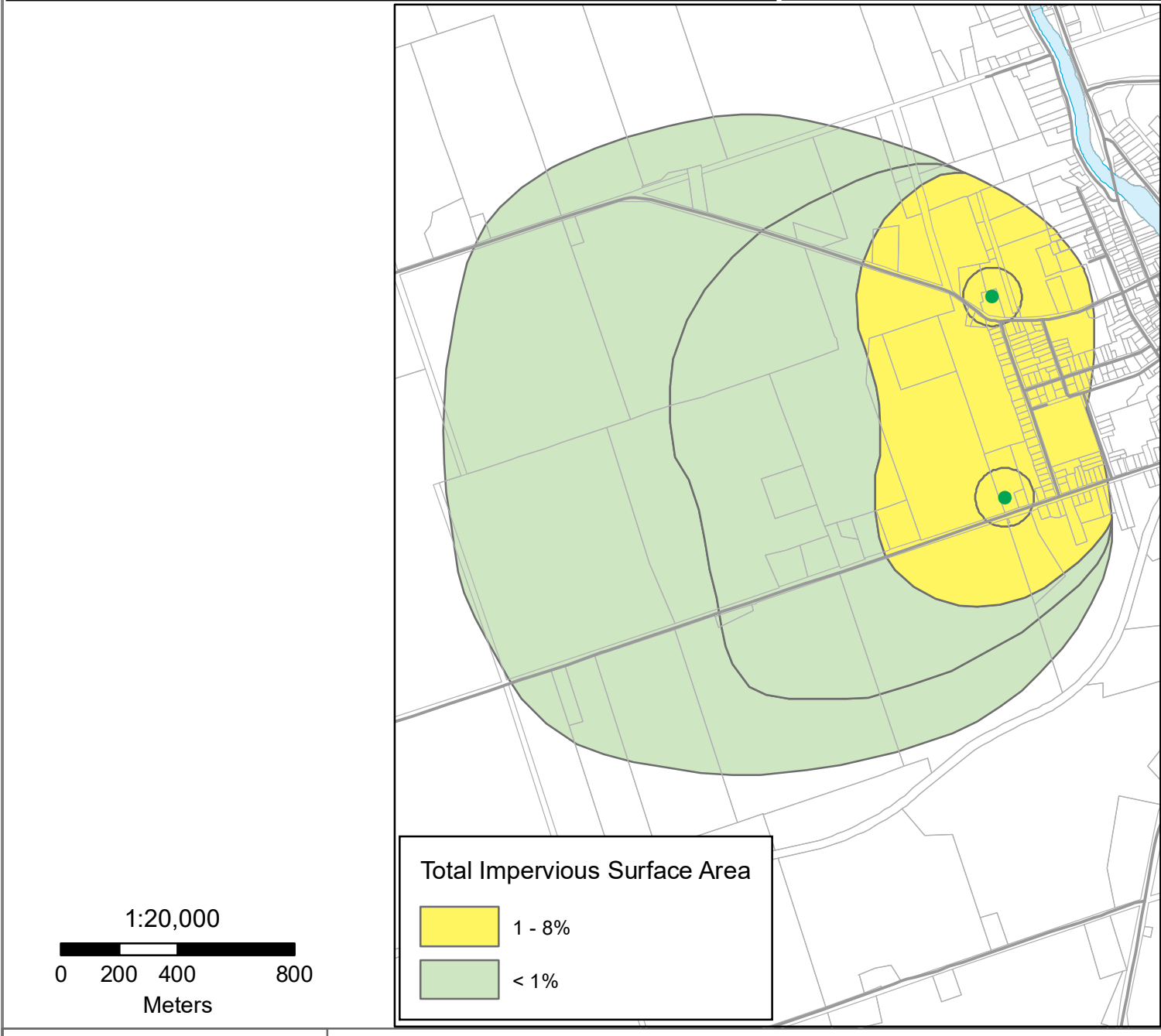
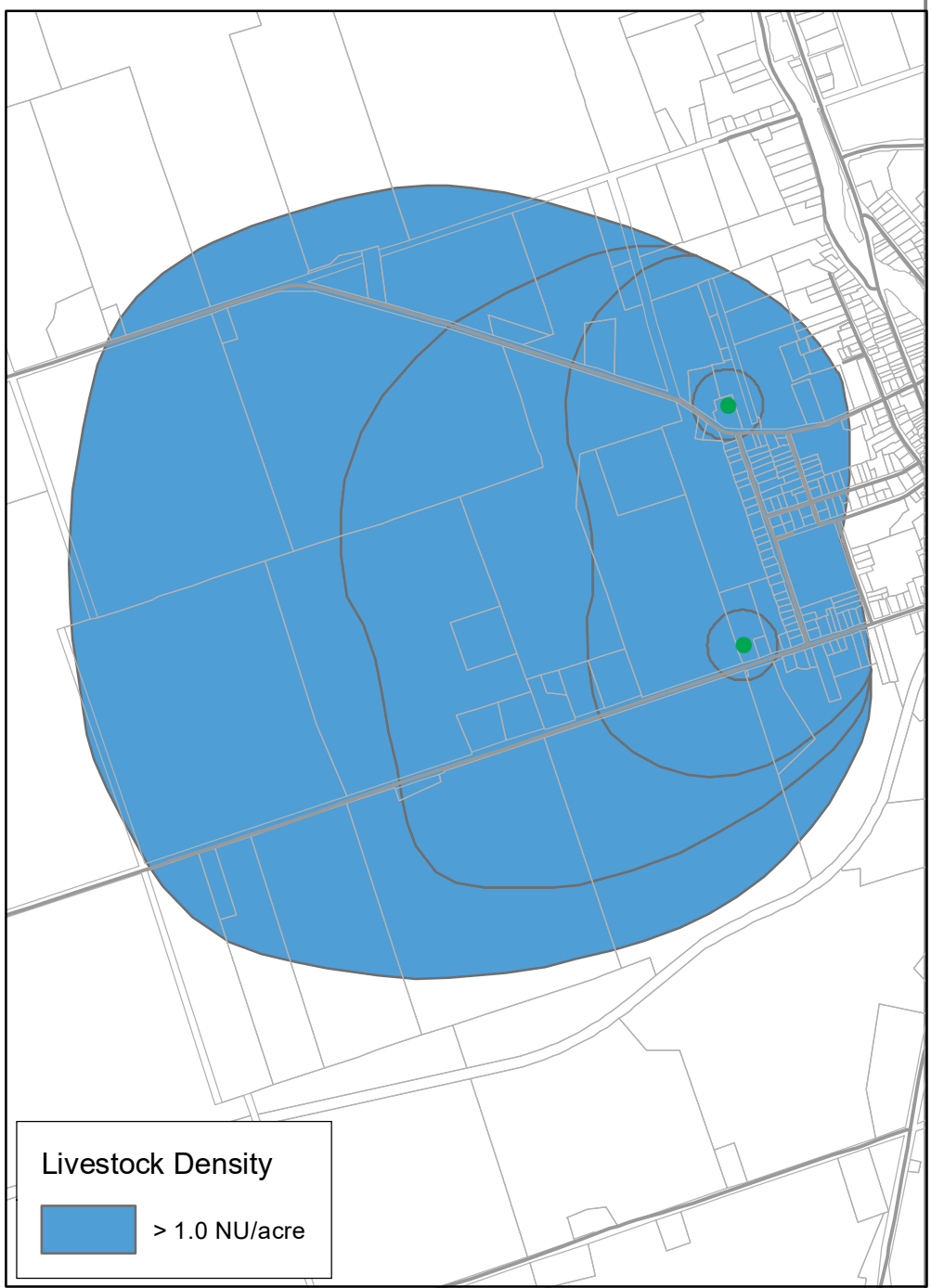
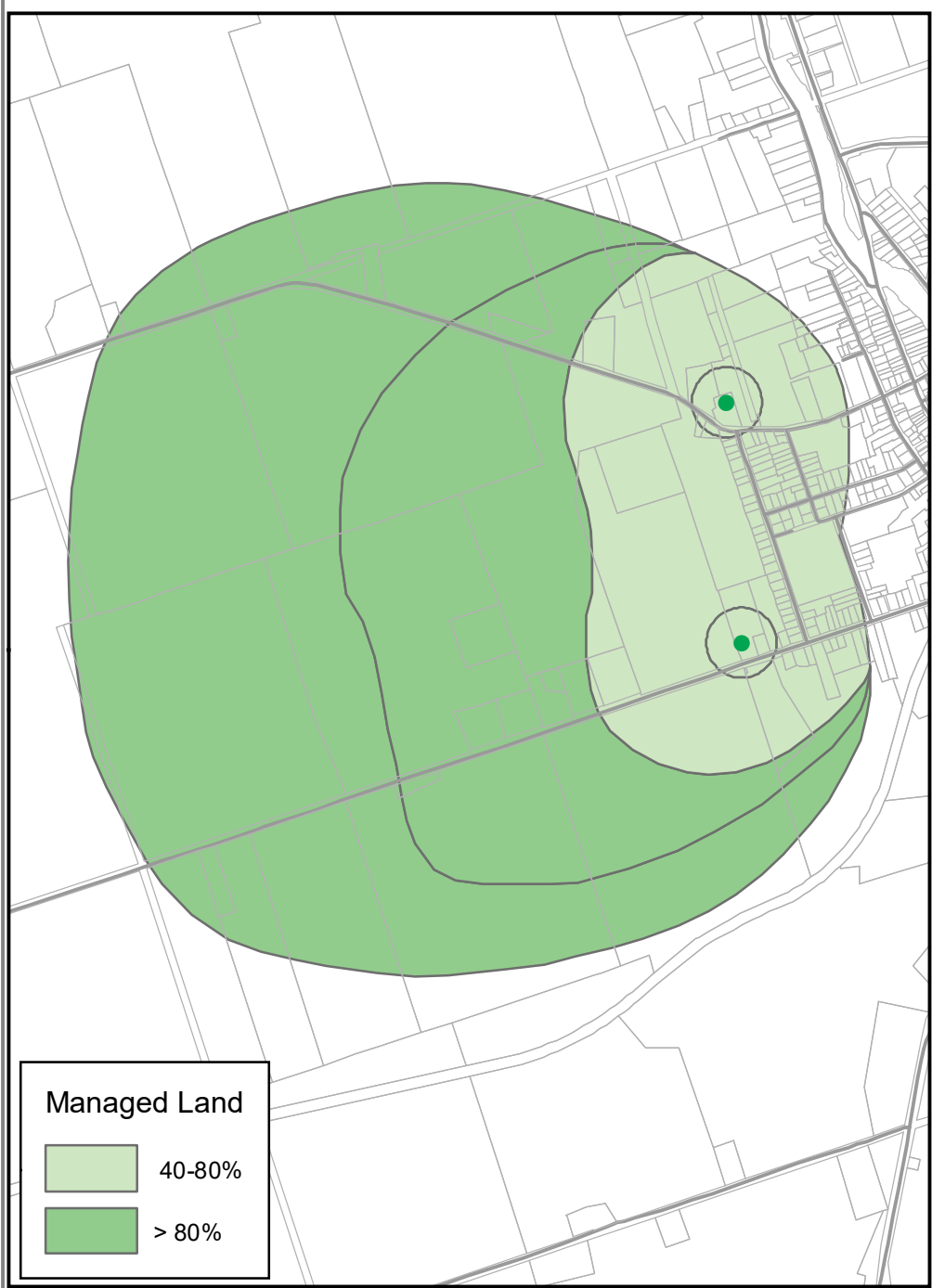


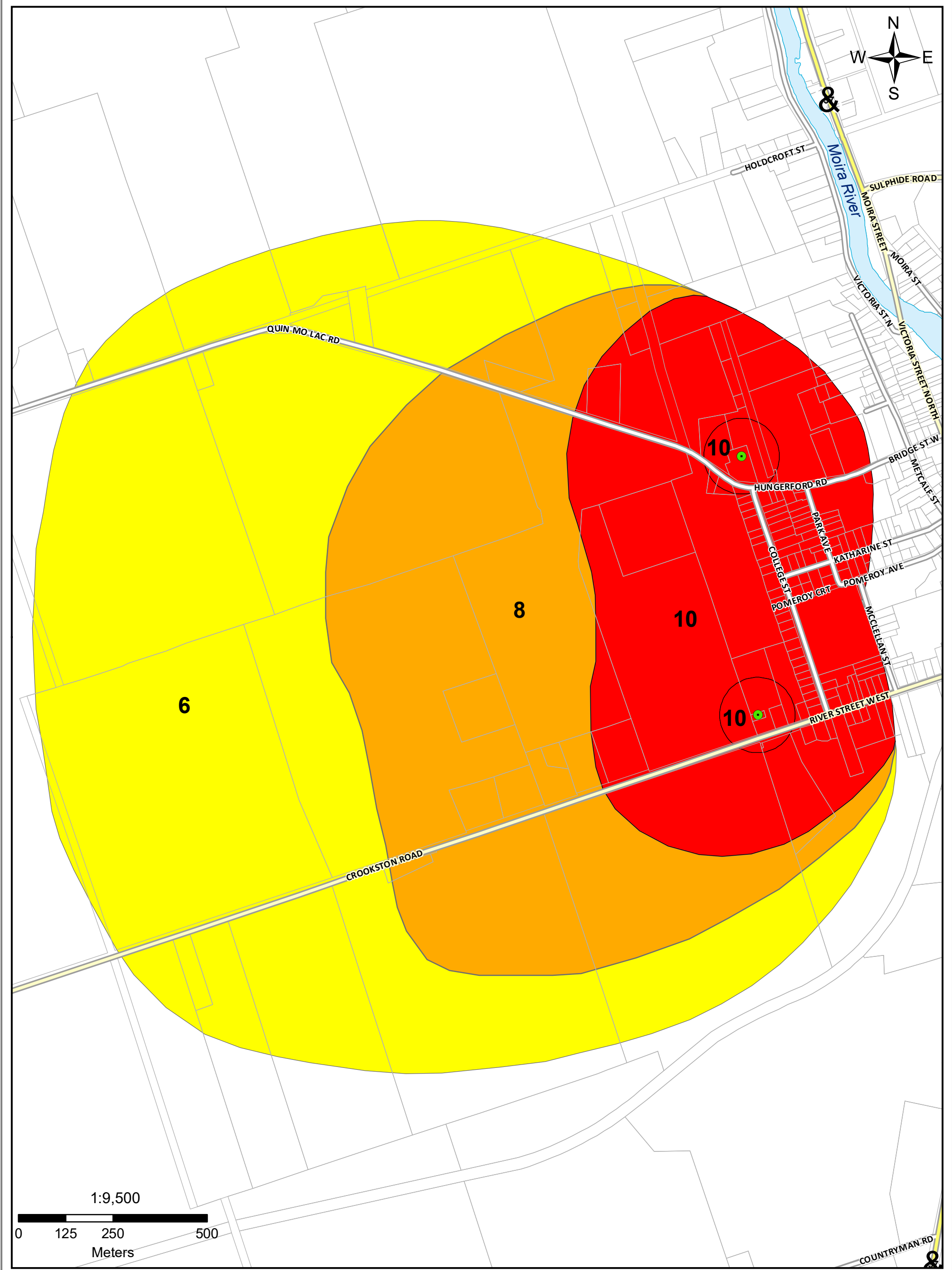
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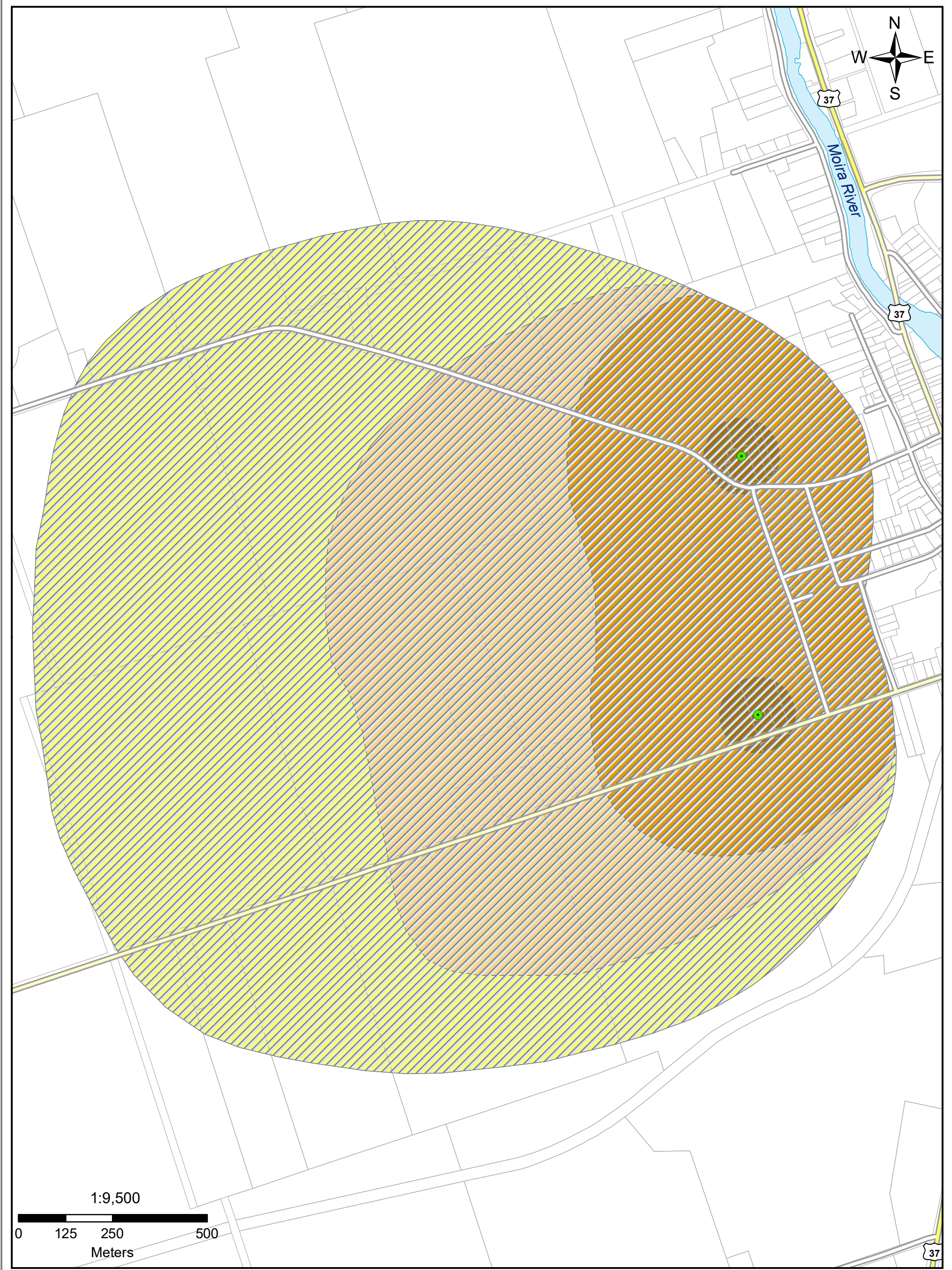
Digital Mapping Sources:
 Base Map - Ontario Ministry of Natural Resources
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Legend

- Vulnerability = 10
- Vulnerability = 8
- Vulnerability = 6
- Parcels
- Municipal Well

Map 5.10 Tweed Vulnerability Scoring



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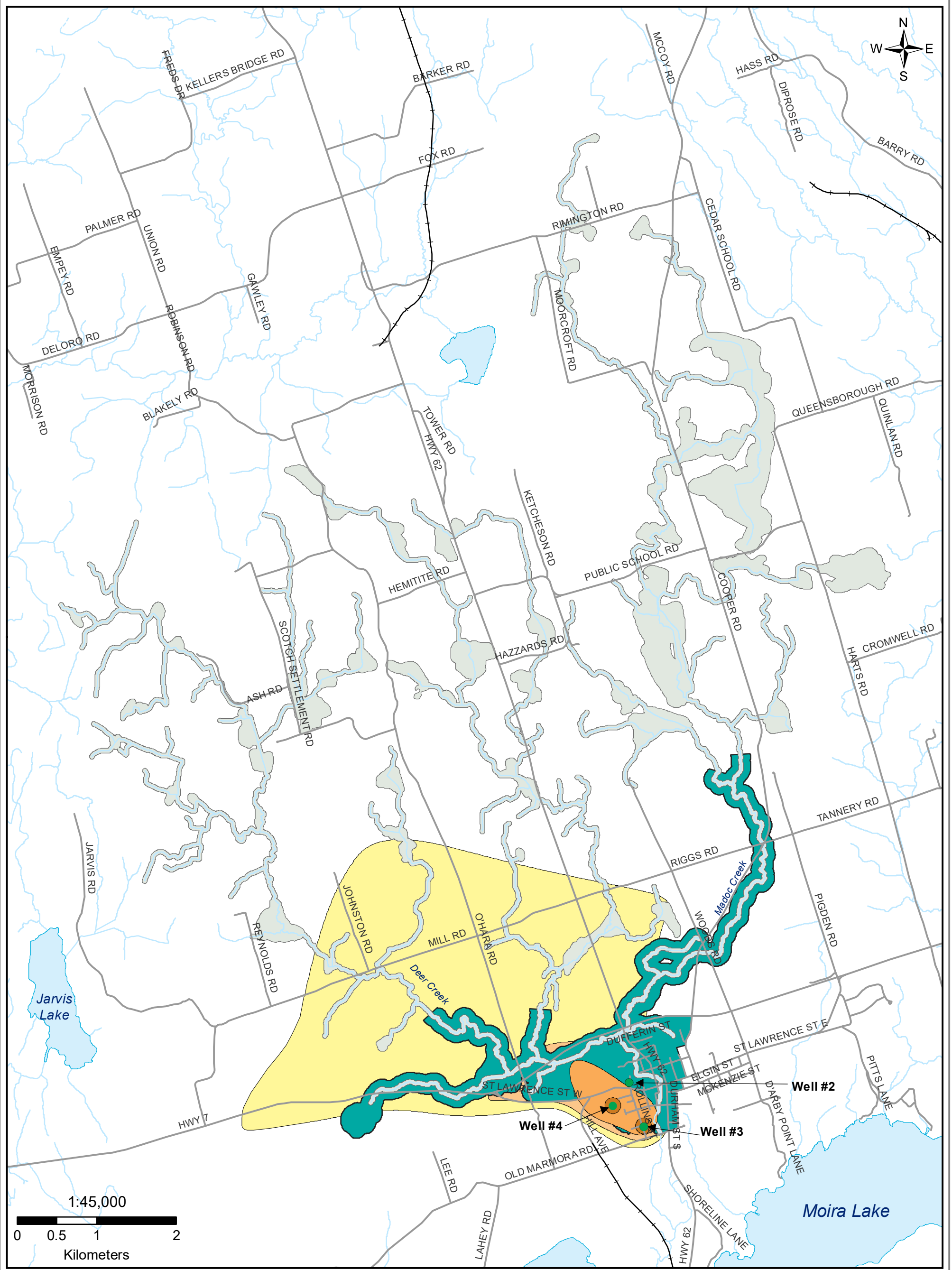
Digital Mapping Sources:
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Monitoring Wells - Municipality of Tweed

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Legend

- Municipal Wells
- WHPA A
- WHPA C
- Issues Contributing Area
- Parcels
- WHPA B
- WHPA D

Map 5.12 Tweed Issues Contributing Area



Legend

- Municipal Wells
- Creeks
- Lakes
- Roads
- Railroad
- WHPA A
- WHPA B
- WHPA C
- WHPA D
- WHPA E
- WHPA-ICA

Map 5.13 Madoc Wellhead Protection Area

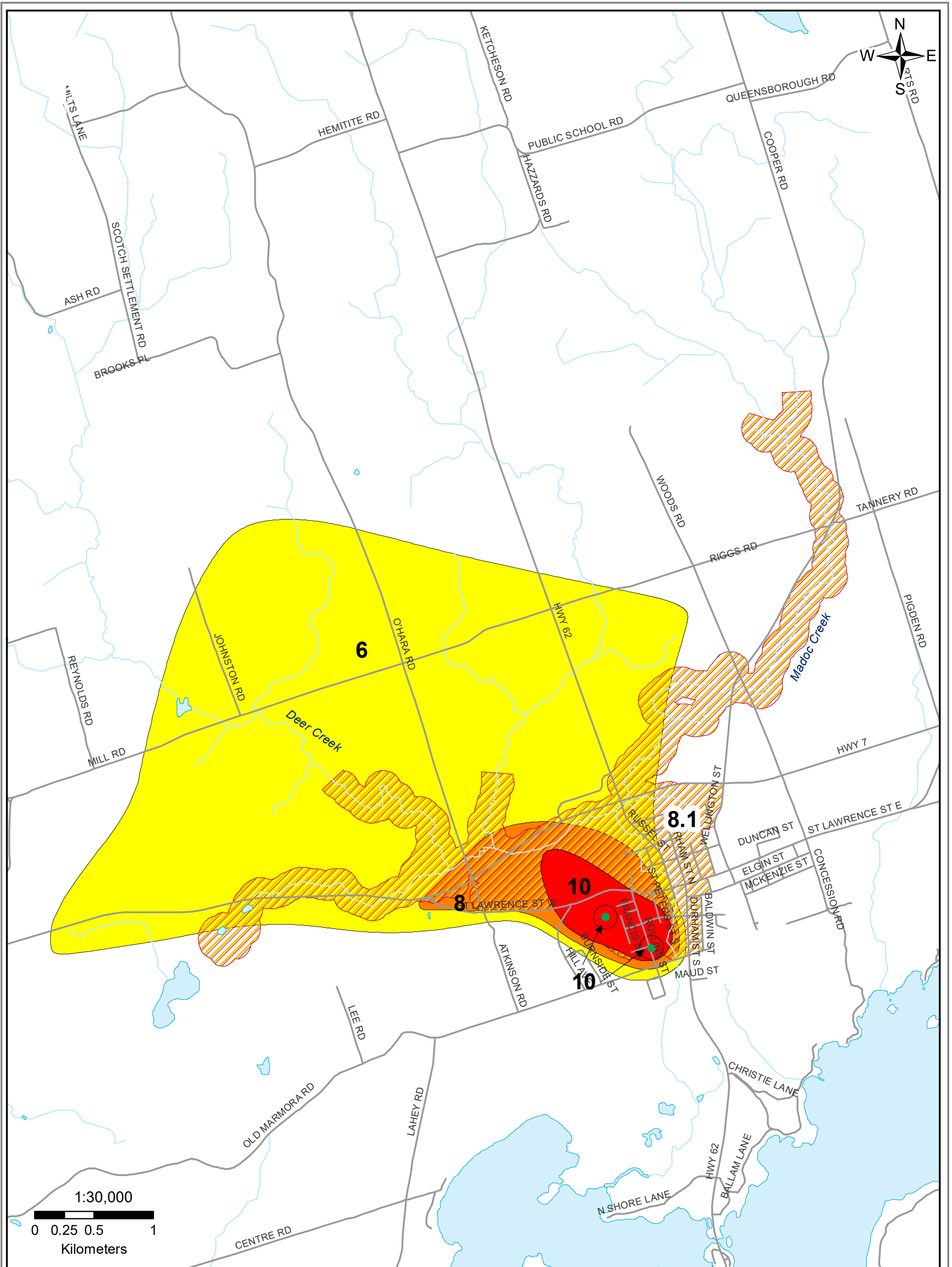



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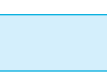





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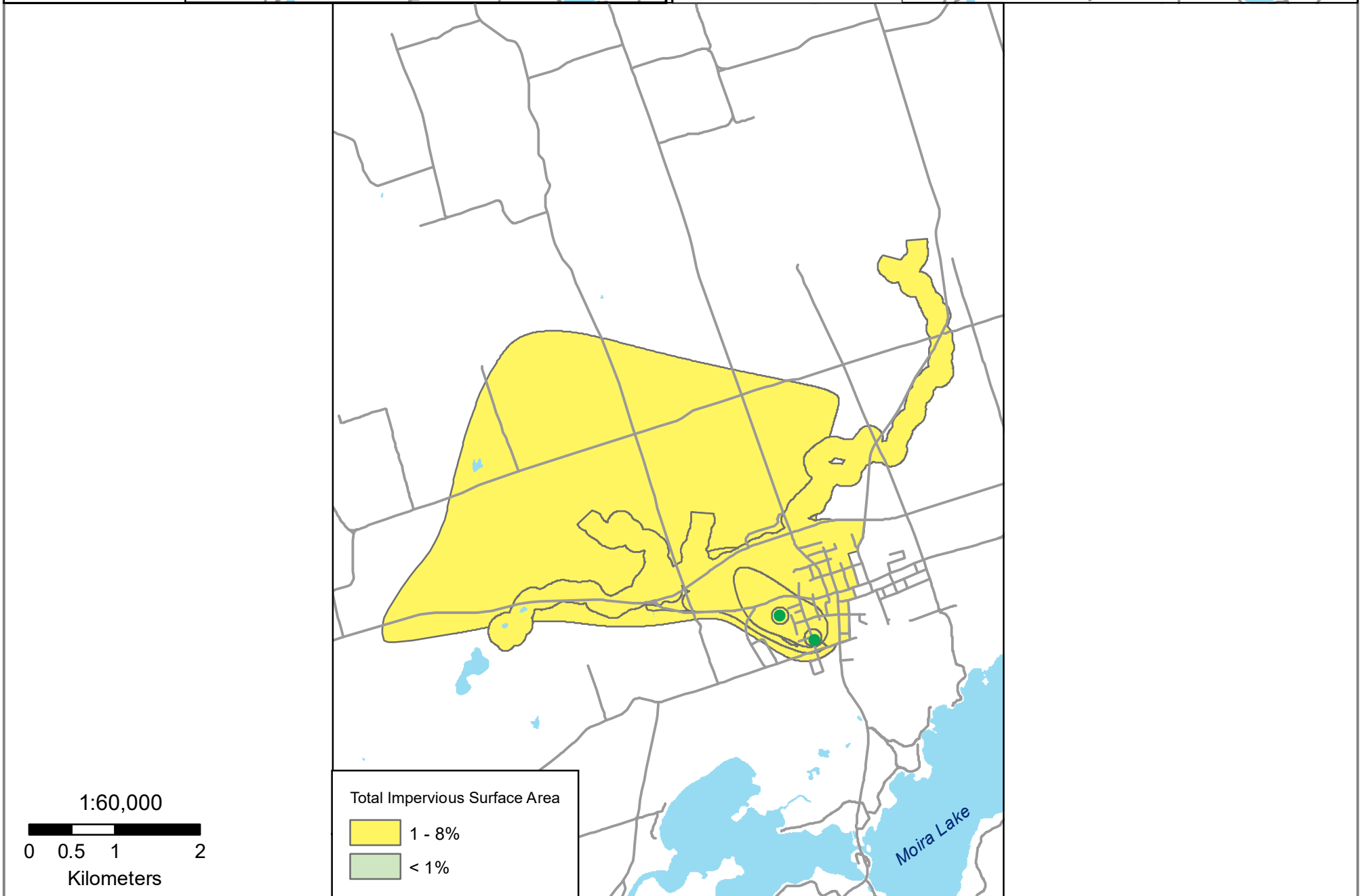
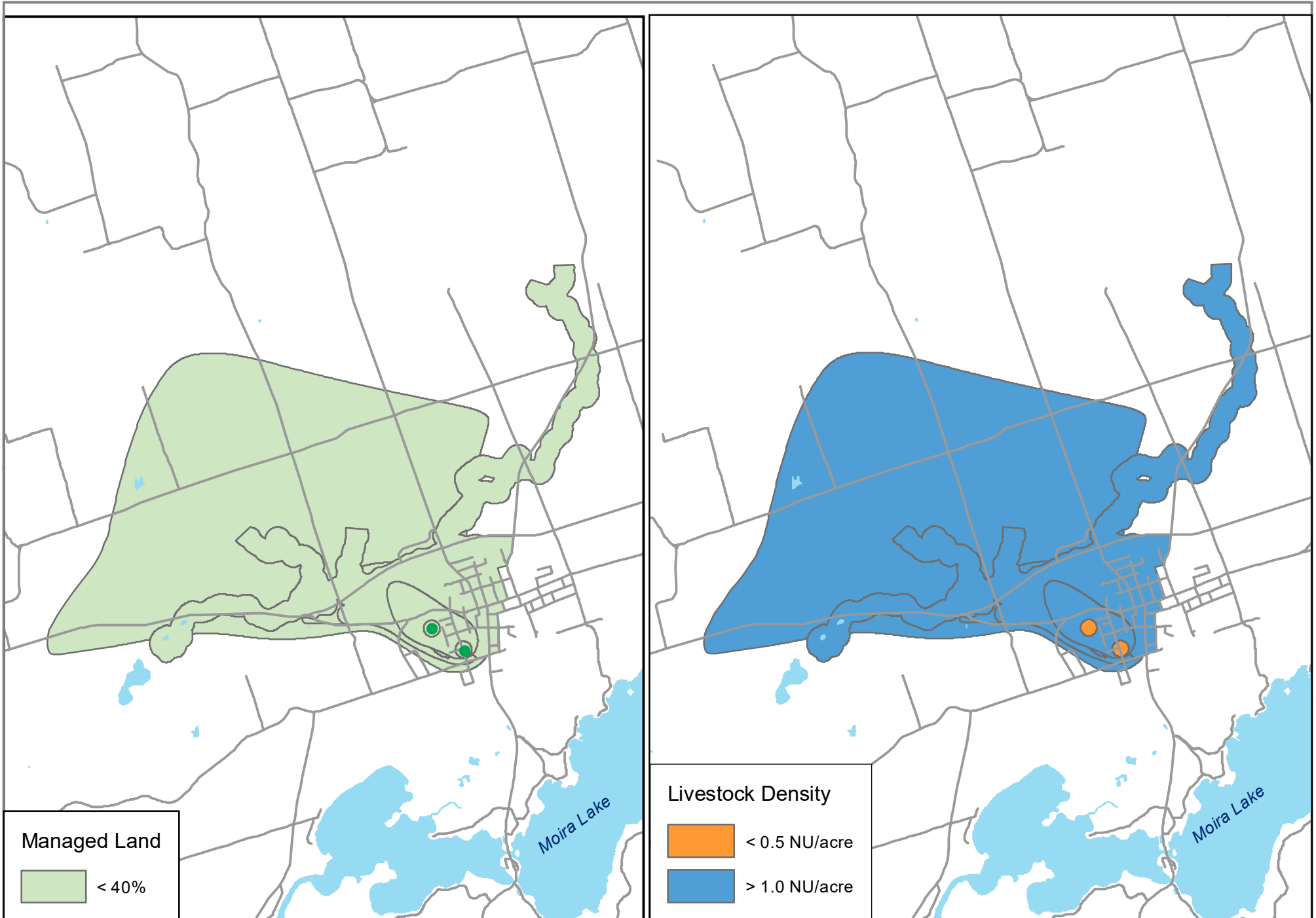
Digital Mapping Sources:
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Legend

	Municipal Wells		Lakes		Vulnerability=8.1		Vulnerability=6
	Creeks		Vulnerability=10		Vulnerability=8		

Map 5.14 Madoc Vulnerability Scoring



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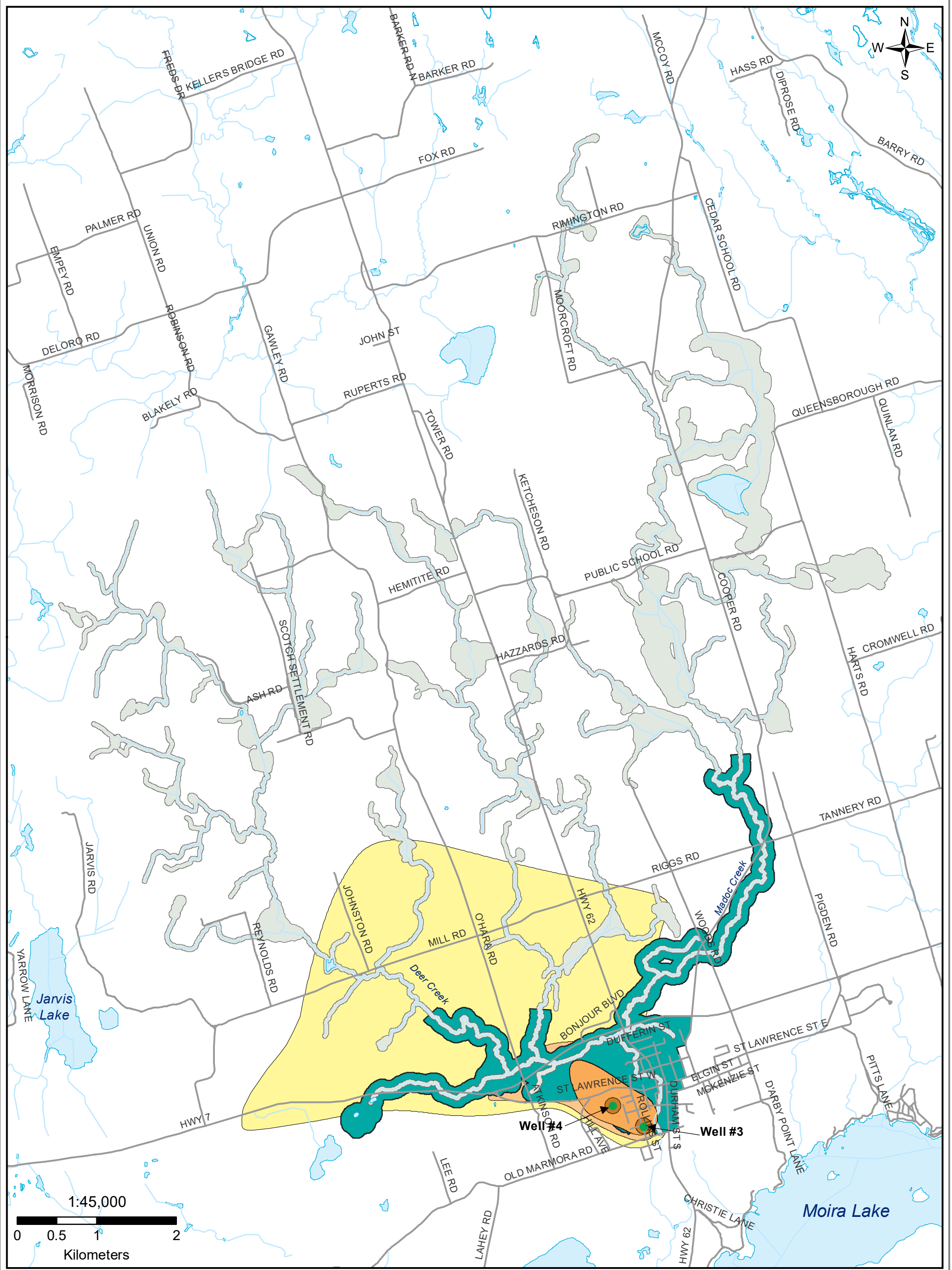
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Legend

● Municipal Well — Roads ■ Water Bodies

Map 5.15 Madoc Wellhead Protection Area

Managed Land, Livestock Density & Impervious Surface Area



Legend	● Municipal Wells	□ Lakes	□ WHPA C	□ WHPA - ICA
— Roads	□ WHPA A	□ WHPA D		
— Creeks	□ WHPA B	□ WHPA E		

Map 5.16 Madoc Wellhead Protection Area - Issues Contributing Area (WHPA - ICA)

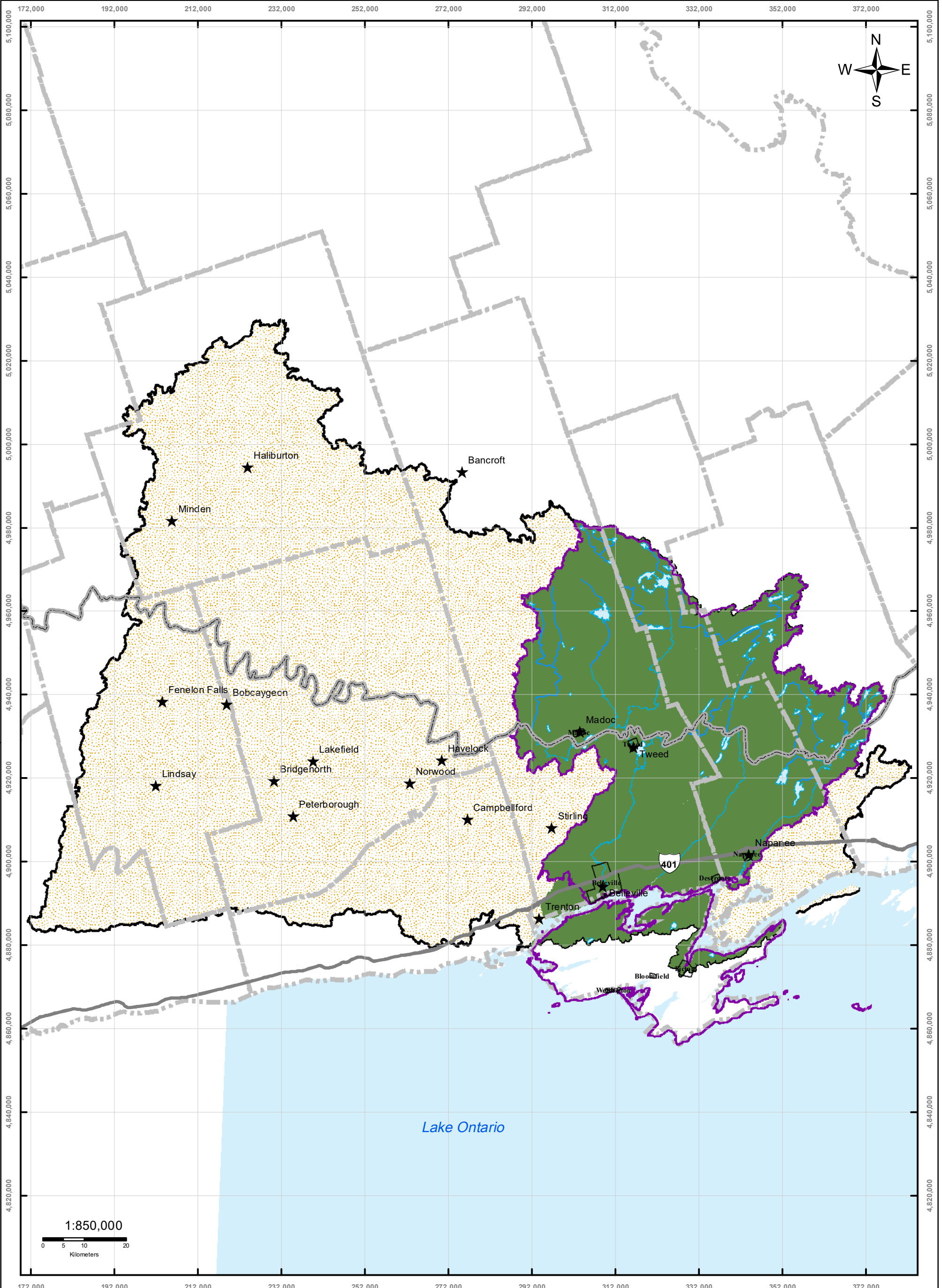



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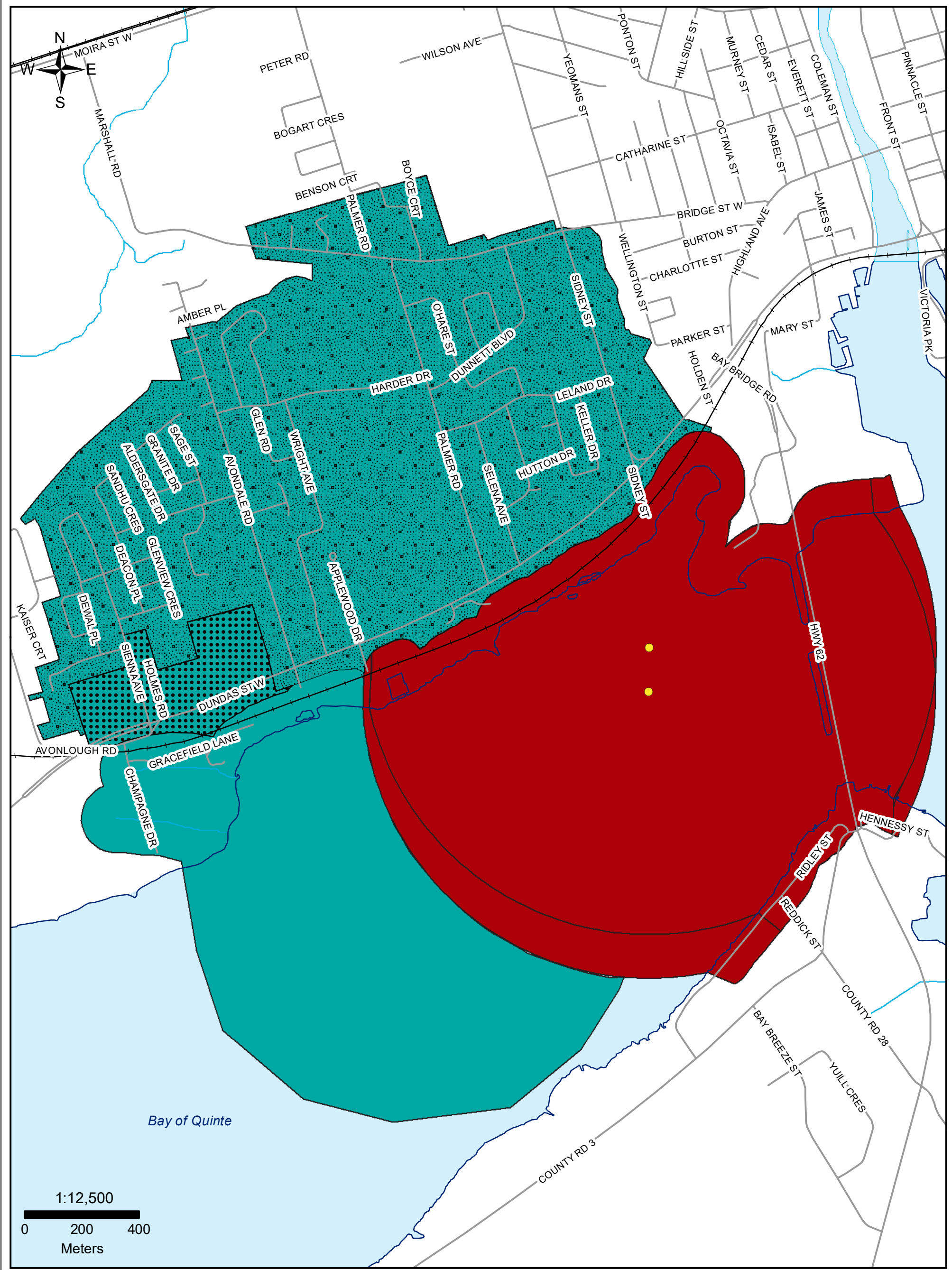

Digital Mapping Sources:
 Base Map - Ministry of Natural Resources
 Soil Data - Ministry of Natural Resources

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Legend

- ★ Towns and Cities
- Southern Boundary of the Canadian Shield
- Highway 401
- Rivers
- Lakes
- Counties
- Quinte Watershed
- QC Bay of Quinte Contributing Area
- Bay of Quinte Watershed

Map 6.1 Bay of Quinte Catchment Area

Quinte CONSERVATION

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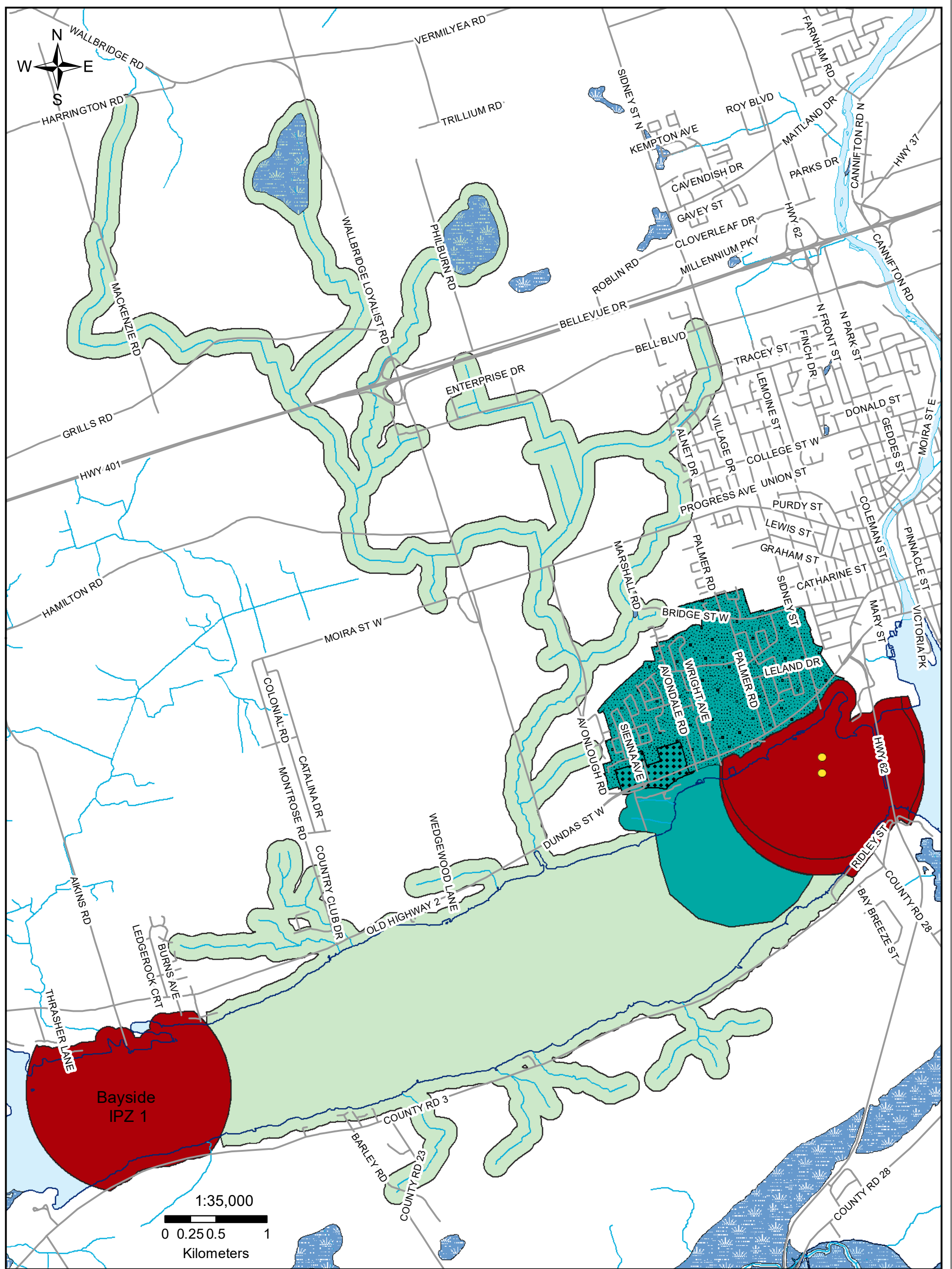
Digital Mapping Sources:
 Base Map - Ontario Ministry of Natural Resources
 Intake Locations - Ministry of the Environment

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Legend

-  Intake
-  Transport Pathway
-  IPZ 1
-  Storm Sewershed
-  IPZ 2
-  Railroad
-  Shoreline

Map 6.2 Belleville Intake Protection Zones 1 & 2



Legend

- Intake
- Roads
- Creeks
- Shoreline
- IPZ 1
- IPZ 2
- IPZ 3
- Transport Pathway
- Storm Sewershed
- Wetlands

Map 6.3 Belleville Intake Protection Zones 1, 2, & 3

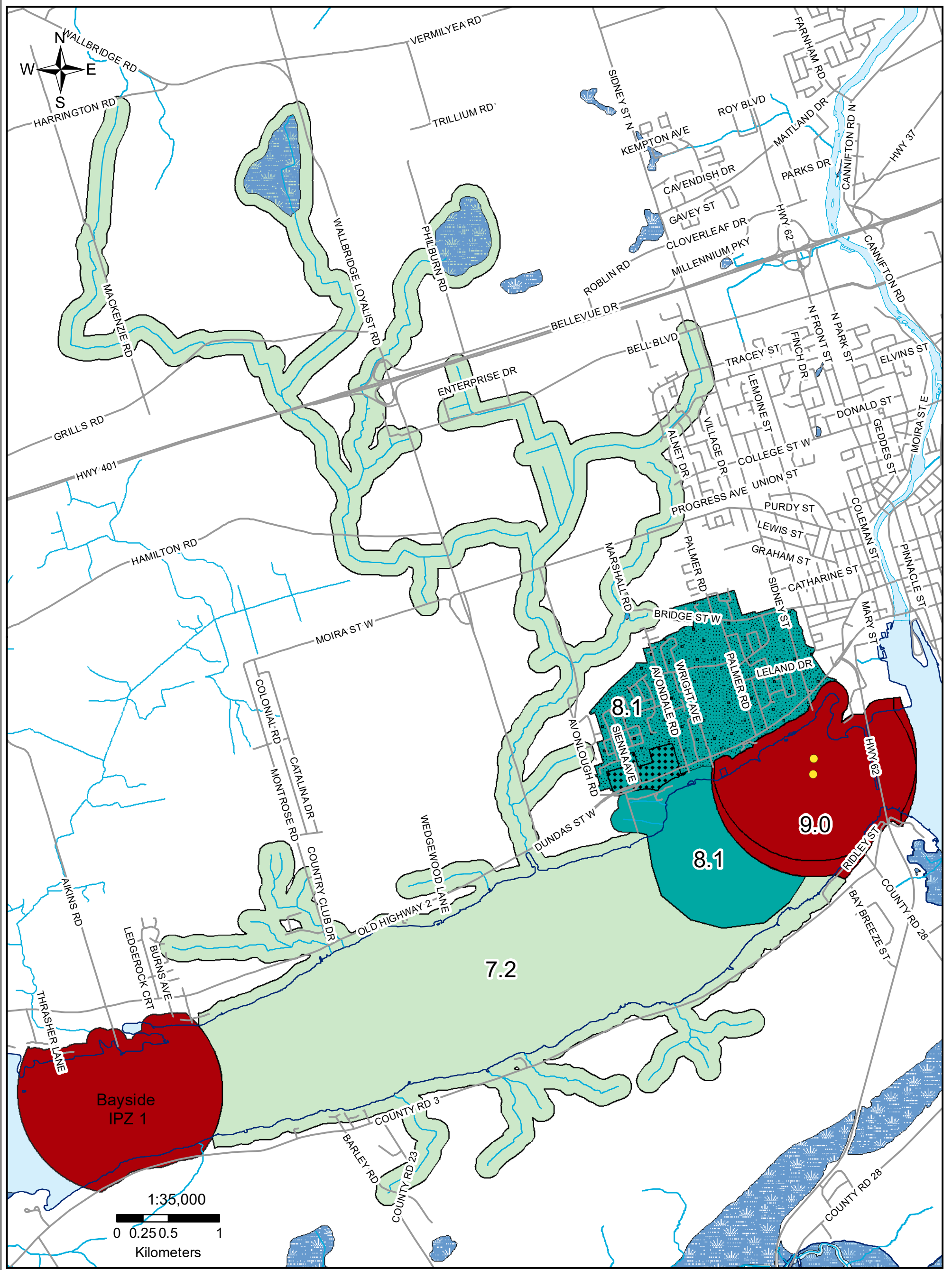


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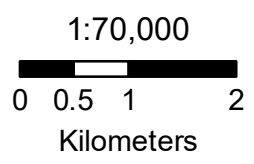
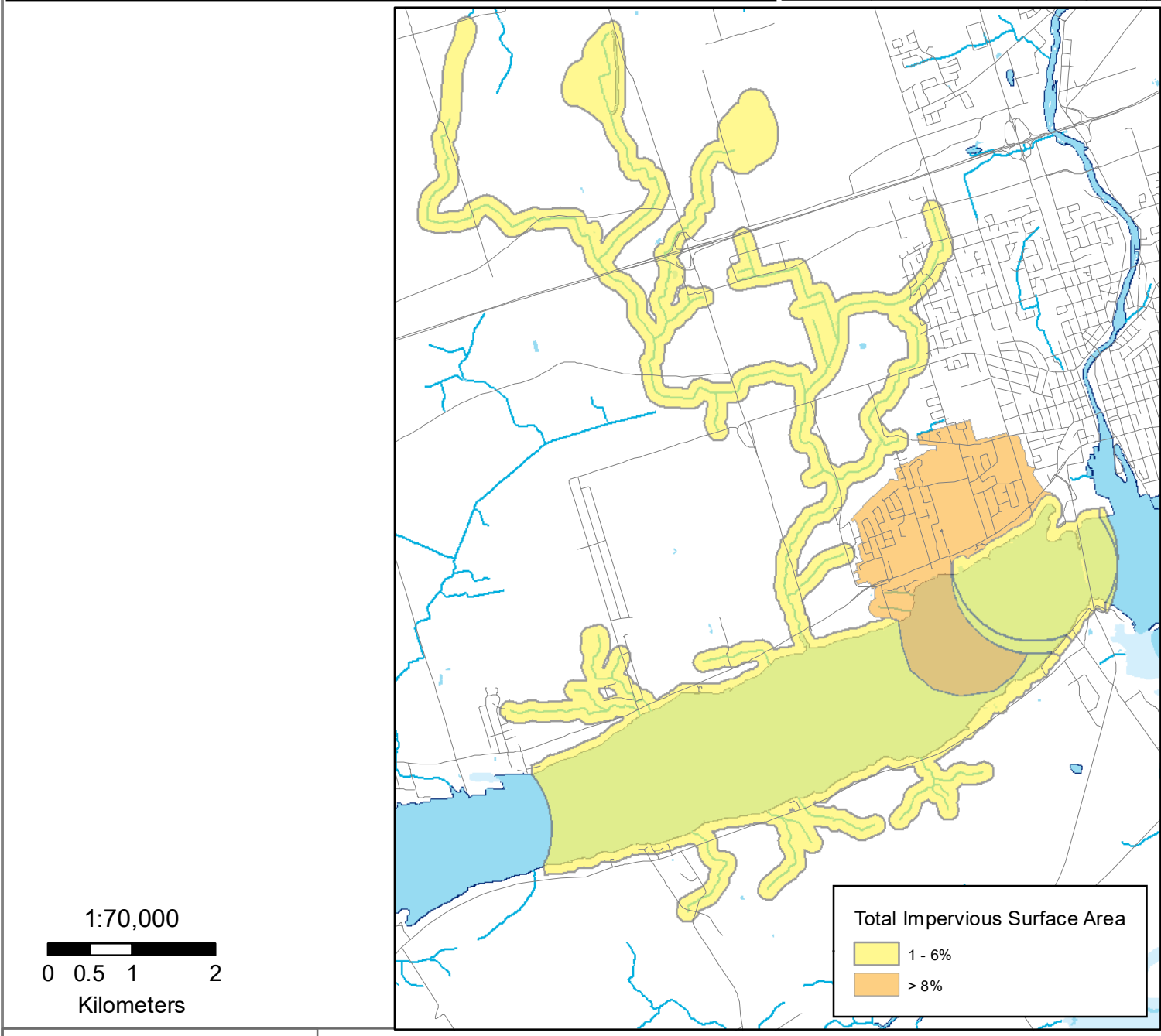
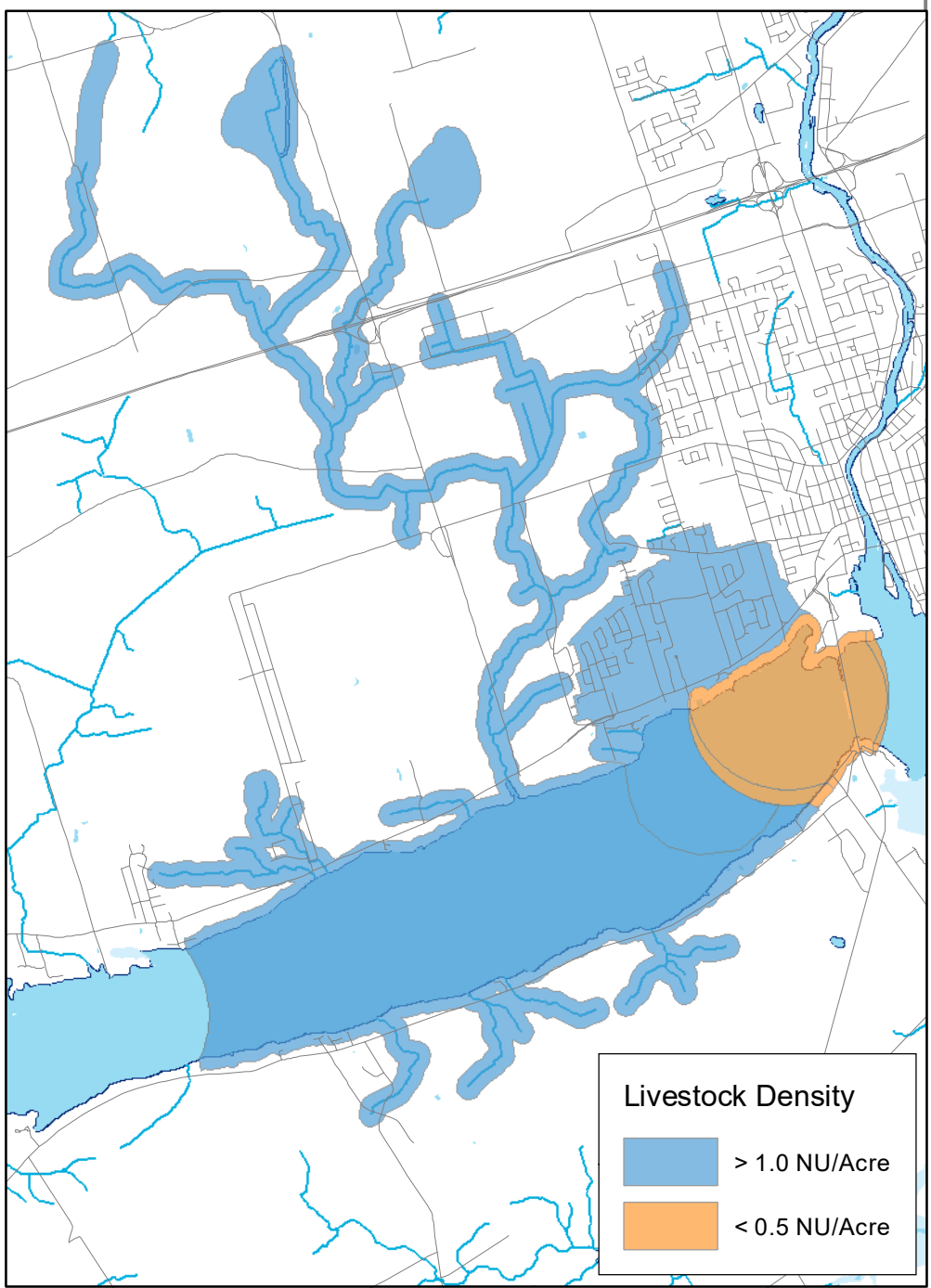
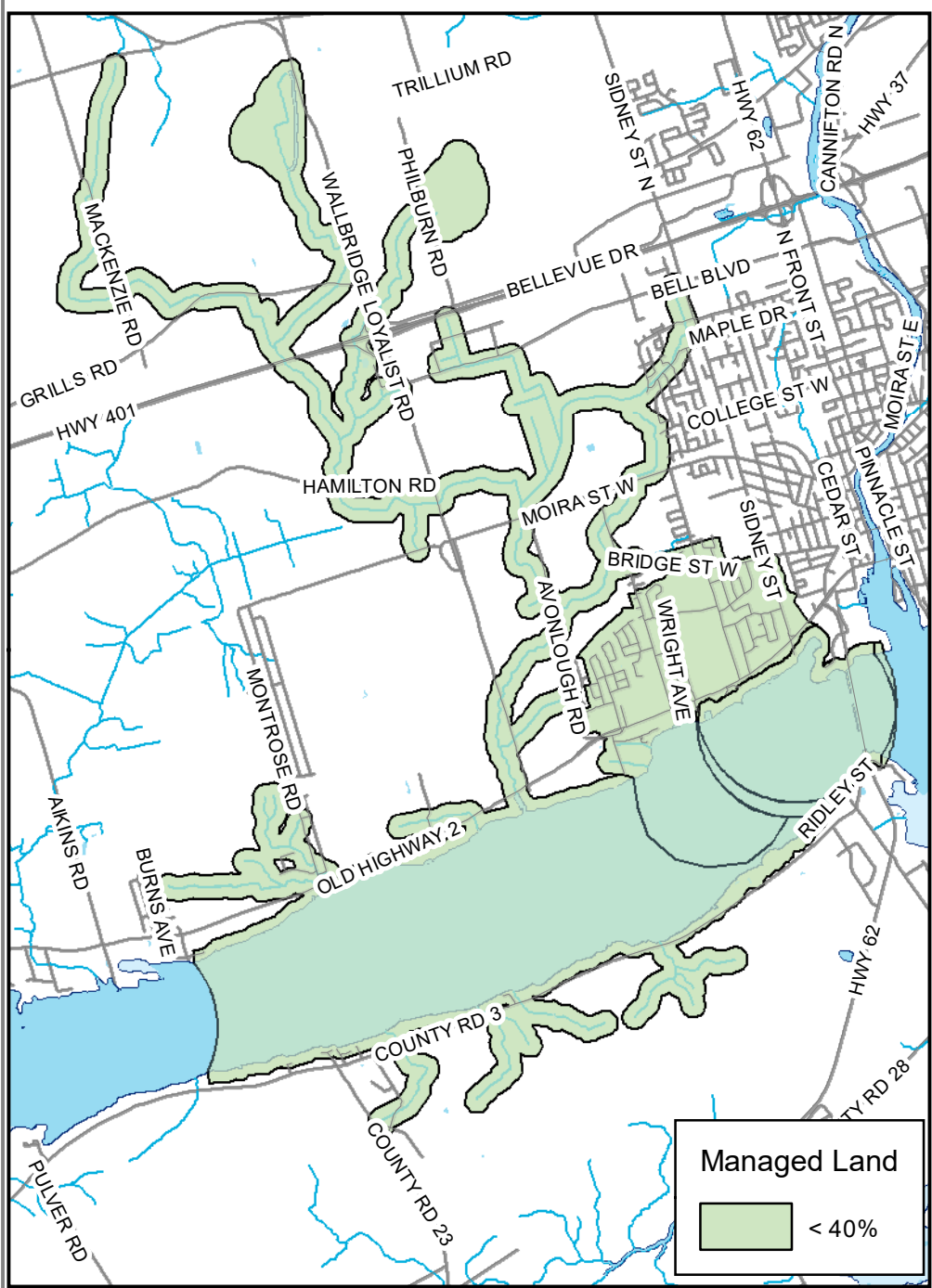
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Intake Locations - Ministry of the Environment

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Legend

- Intake
- Vulnerability=9.0
- Wetlands
- Shoreline
- Vulnerability=8.1
- Storm Sewershed
- Creeks
- Vulnerability=7.2
- Transport Pathway

Map 6.4 Belleville Vulnerability



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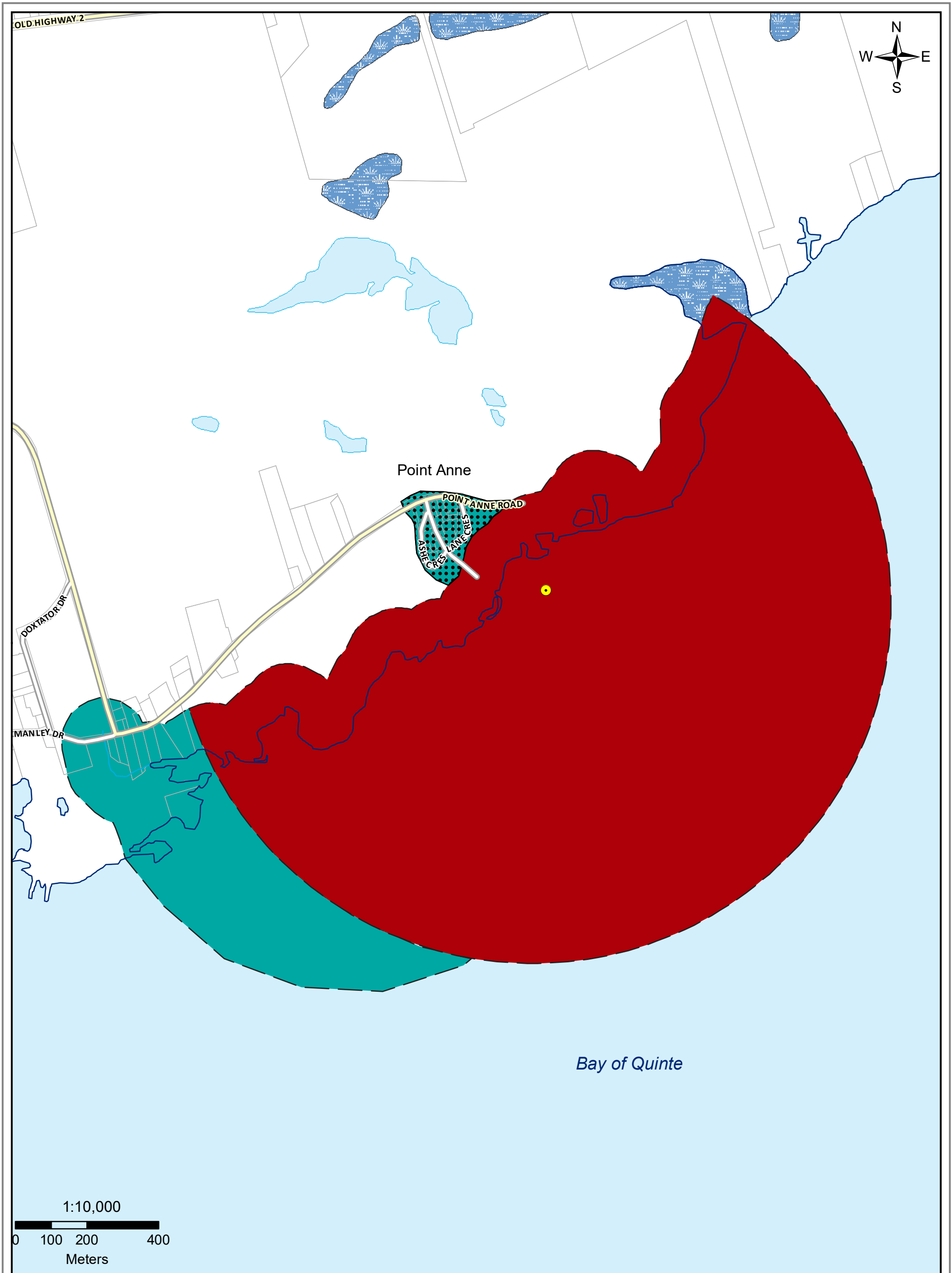
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 Monitoring Wells - Municipality of Marmora & Lake

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Legend

- Intakes
- Highways
- Shoreline
- Water Courses

Map 6.5 Belleville Intake Protection Zone Managed Land, Livestock Density & Impervious Surface Area



Legend

- Intake
- Shoreline
- IP Zone 1
- Watercourses
- Transport Pathway
- IP Zone 2

Map 6.6 Point Anne Intake Protection Zones 1 & 2

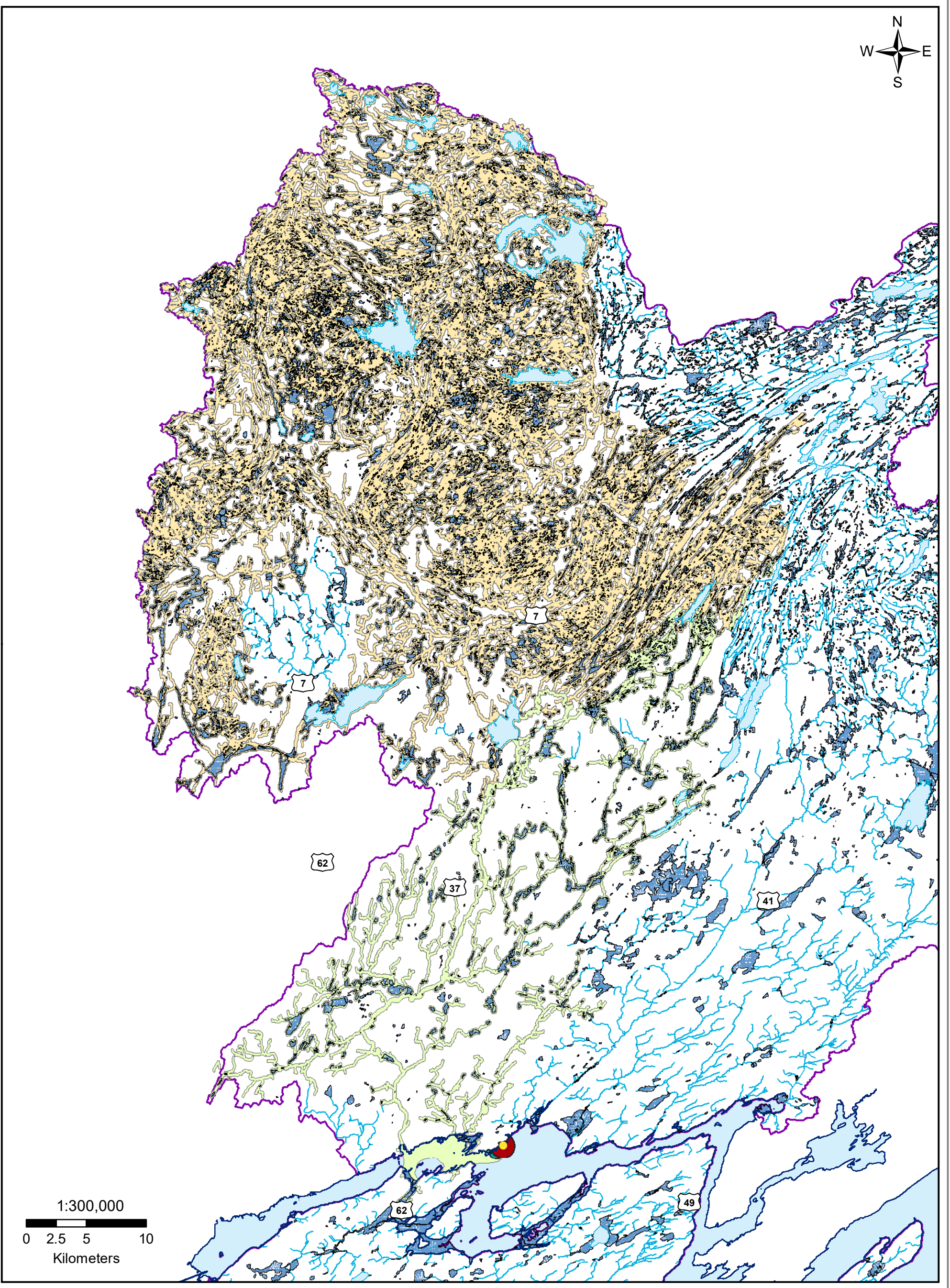


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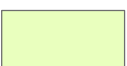



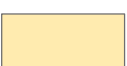
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Digital Mapping Sources:
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 Intake Location - Ministry of the Environment

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Legend

-  Intake
-  Watercourses
-  IPZ 1
-  IPZ-3a
-  Shoreline
-  Waterbodies
-  IPZ 2
-  IPZ-3b

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Intake Location - Ministry of the Environment

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Map 6.7 Point Anne Intake Protection Zones



Legend

- Well Location
- ▭ Parcels
- WHPA A
- WHPA C
- Shoreline
- - - Shallow GW Divide
- WHPA B

Map 6.8 Point Anne Wellhead Protection Area

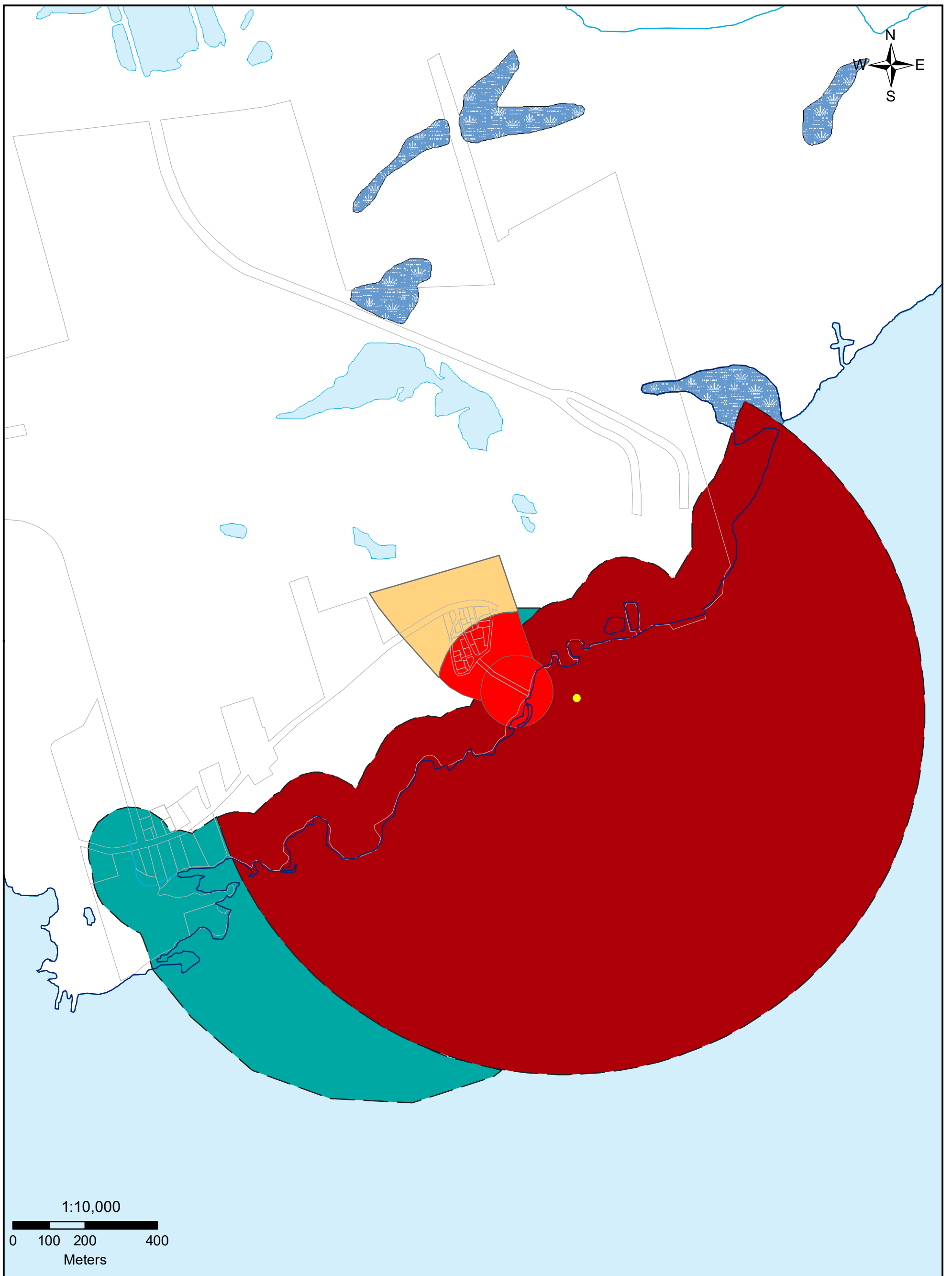


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Meters

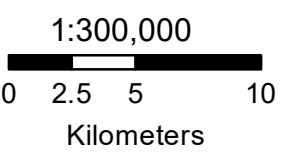
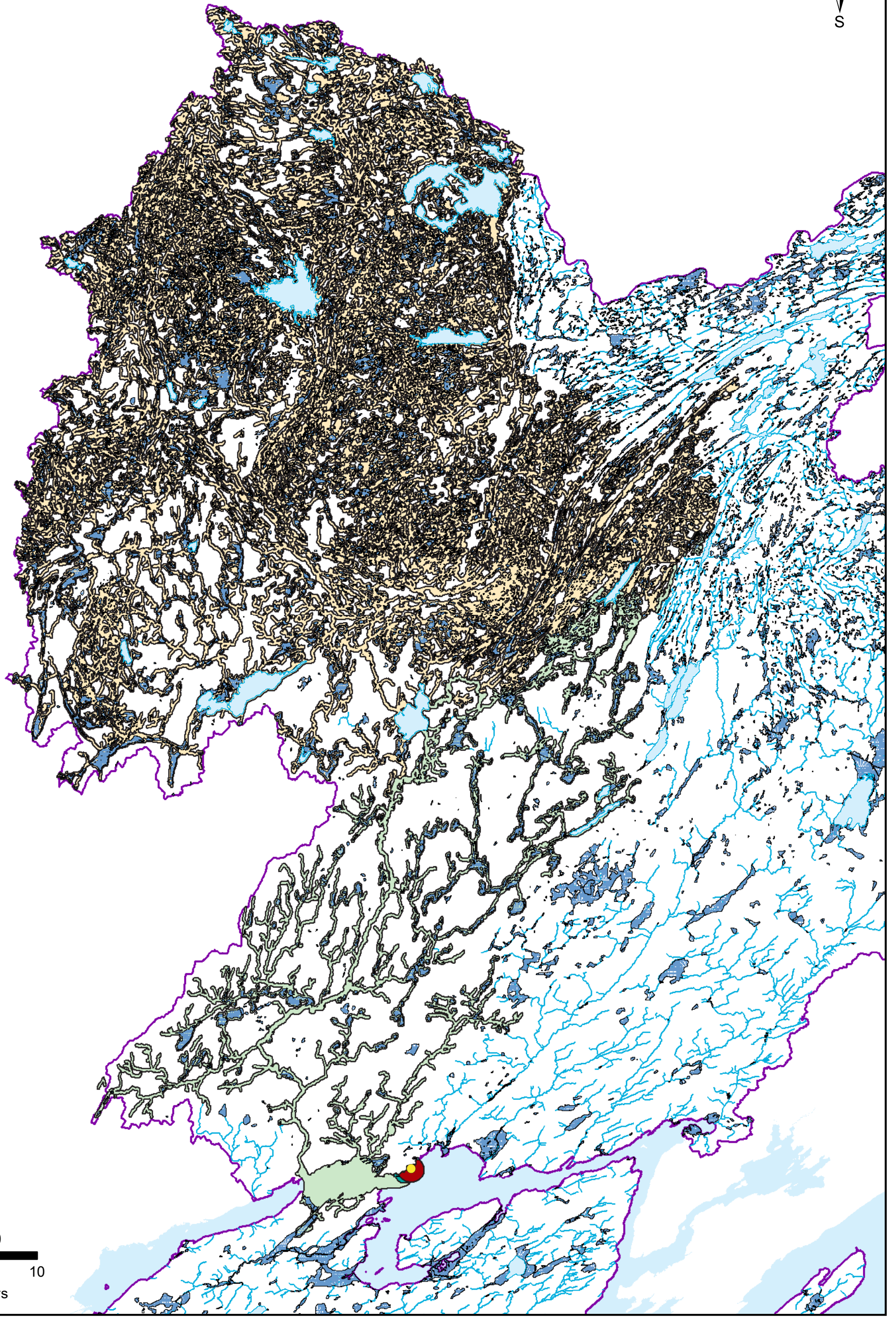


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Legend

- Intake
- Parcels
- Vulnerability = 10
- Vulnerability = 8
- Shoreline
- Vulnerability = 10
- Vulnerability = 8

Map 6.9 Point Anne IPZ 1&2 and WHPA Vulnerability



Legend

- Intake
- Water Courses
- Vulnerability=10
- Vulnerability=8
- Vulnerability=7
- Vulnerability=3



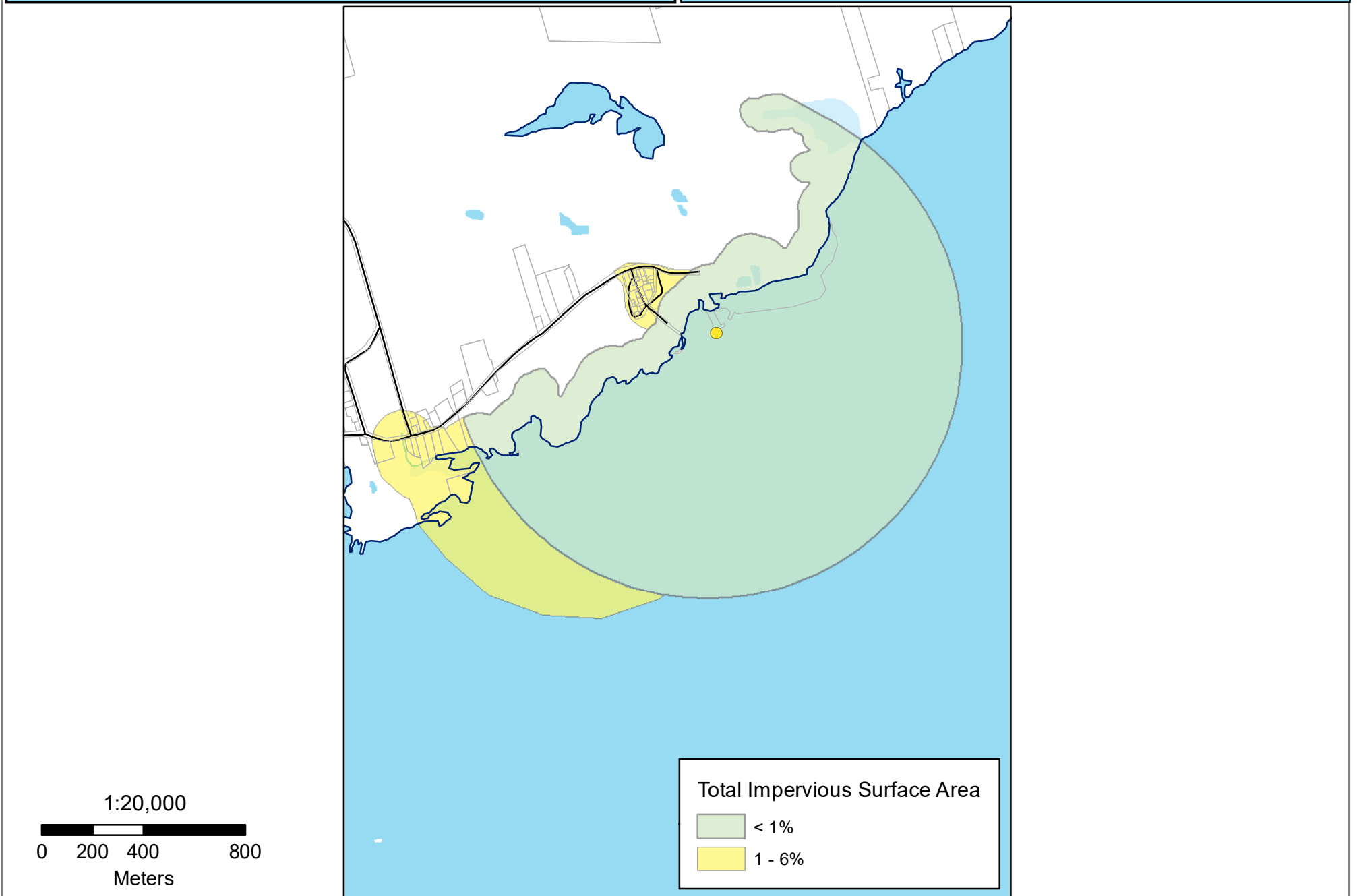
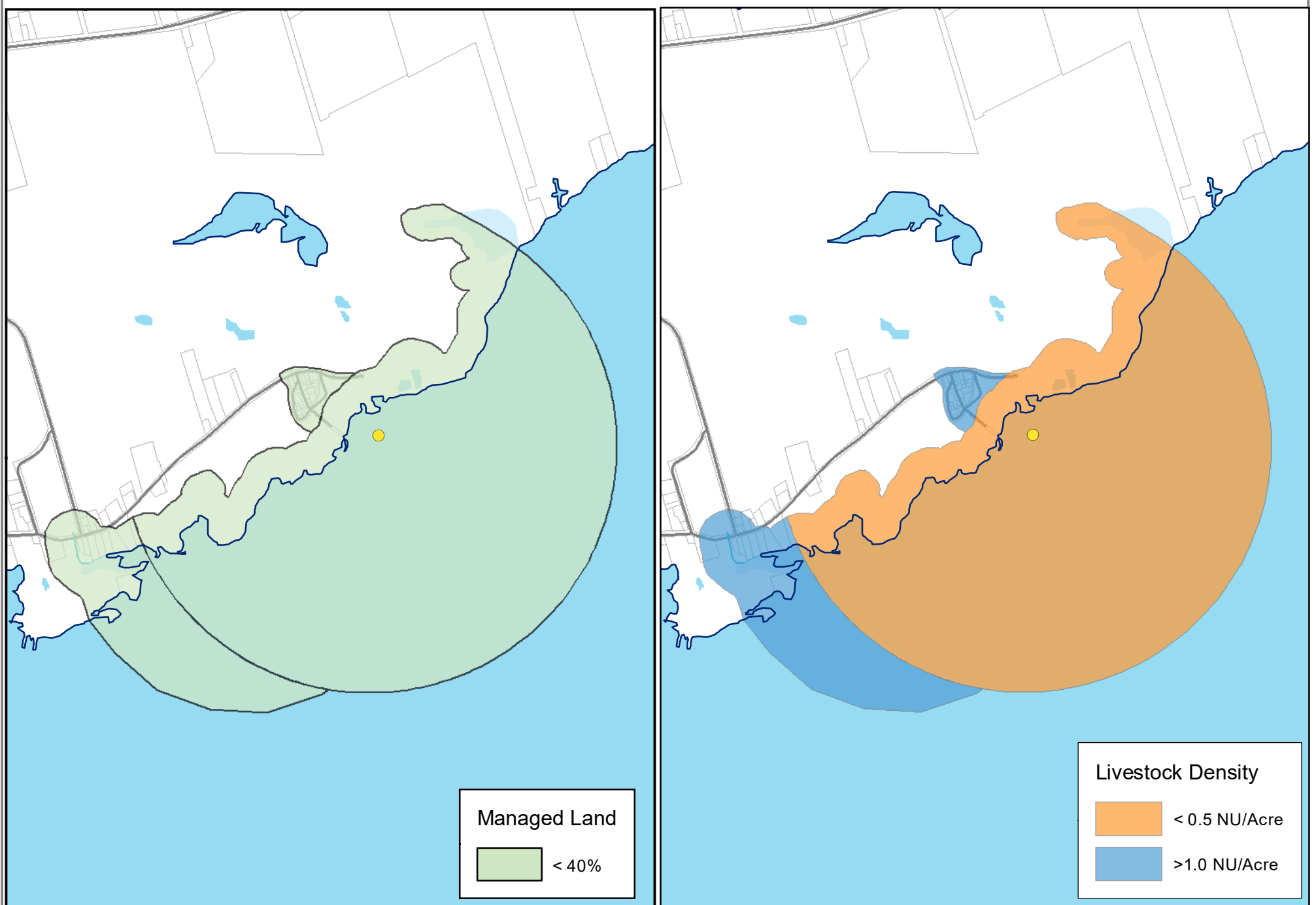
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Map 6.10 Point Anne Vulnerability





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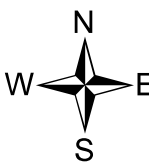
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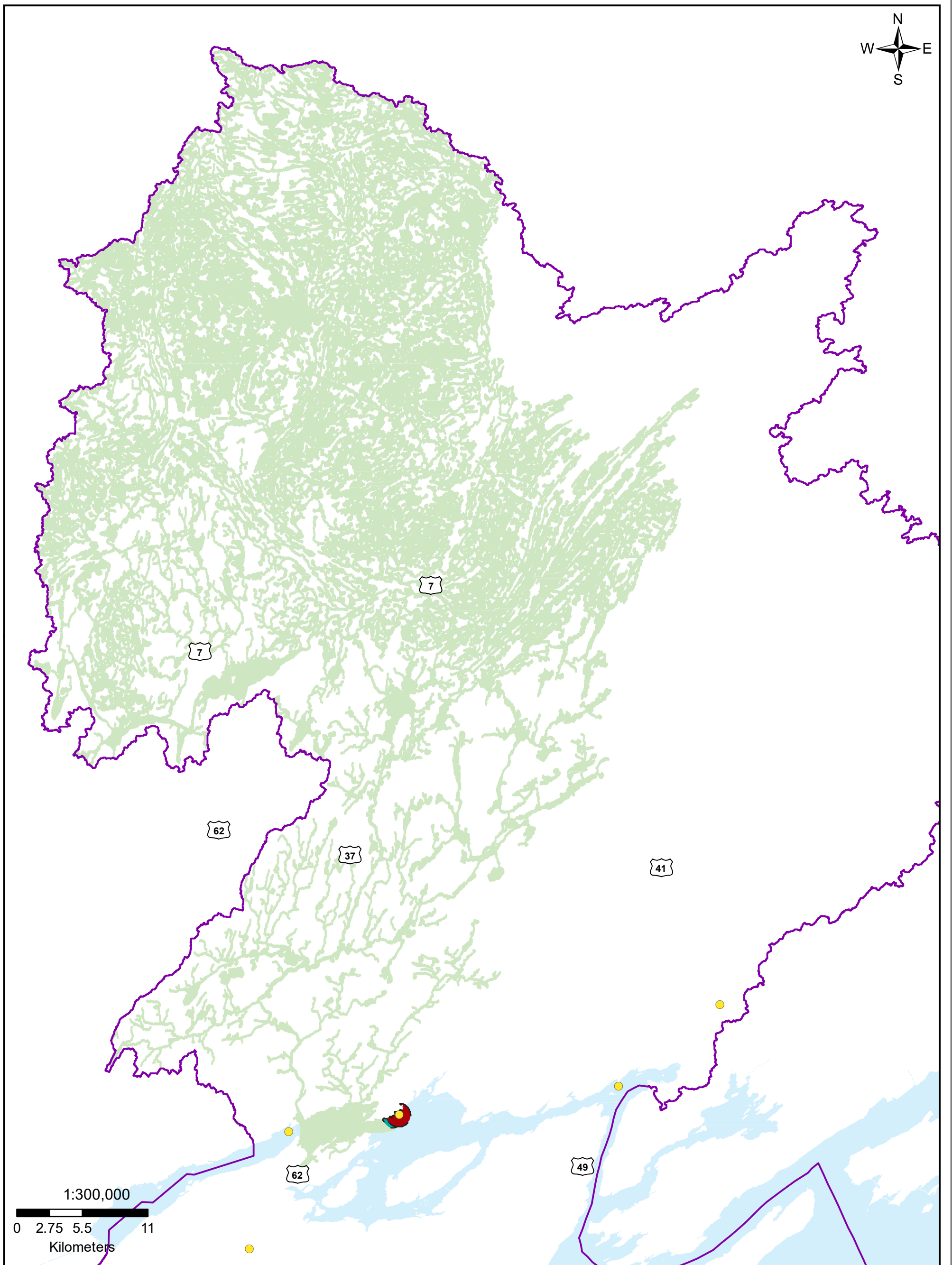
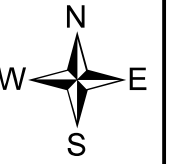
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Legend

● Intakes — Water Courses — Shoreline □ Parcels



Map 6.11 Point Anne Intake Protection Zone Managed Land, Livestock Density & Impervious Surface Area



Legend

- Intakes
- IPZ 1
- IPZ 2
- Managed Lands < 40%



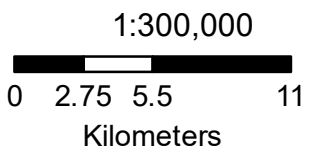
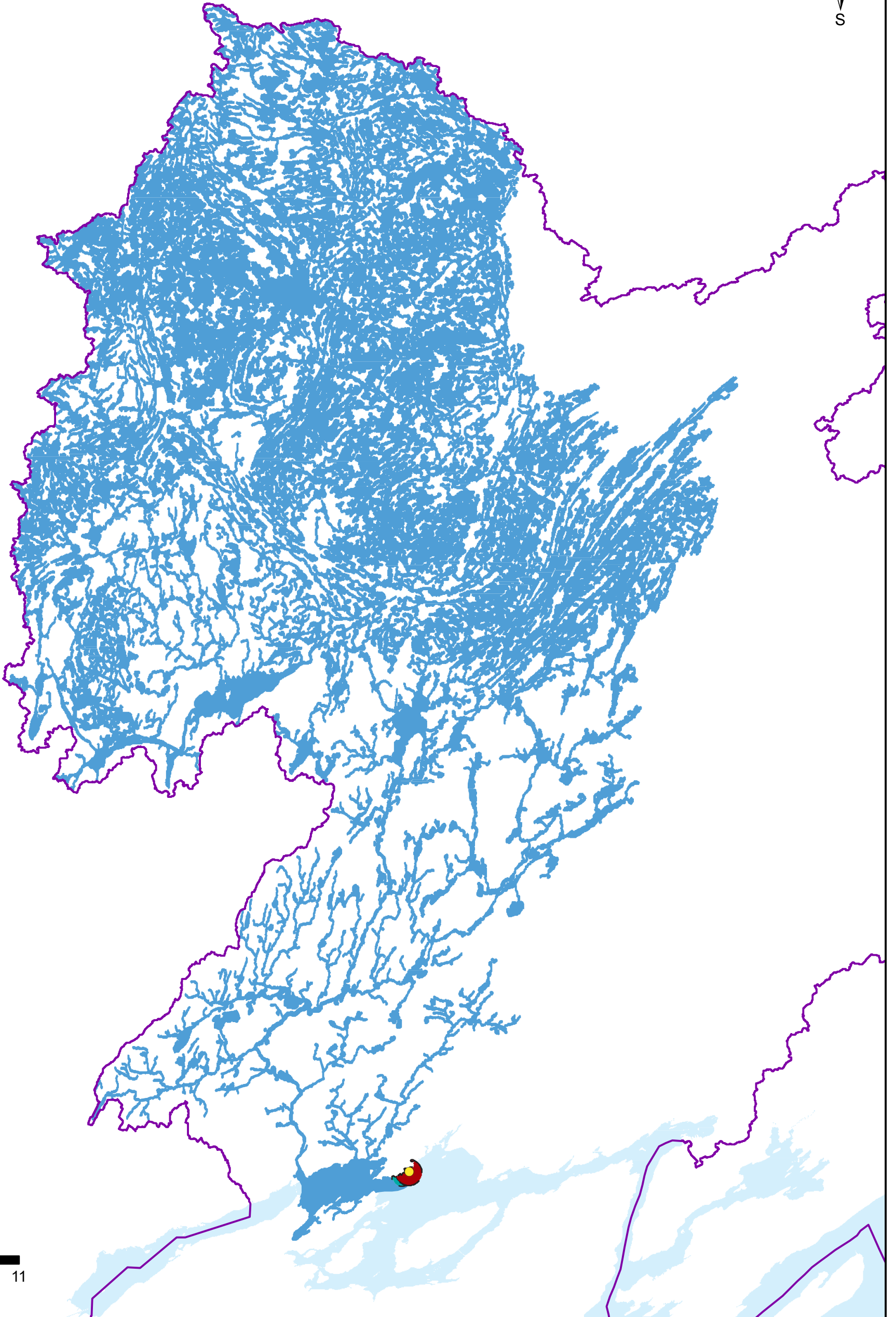
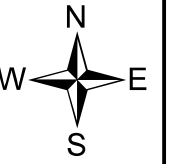
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Intake Location - Ministry of the Environment

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Map 6.12 Point Anne IPZ 3a & b Managed Land



Legend

- Intakes
- IPZ 1
- IPZ 2
- Livestock Density - >1 NU/Acre

Map 6.13 Point Anne IPZ 3a & b Livestock Density

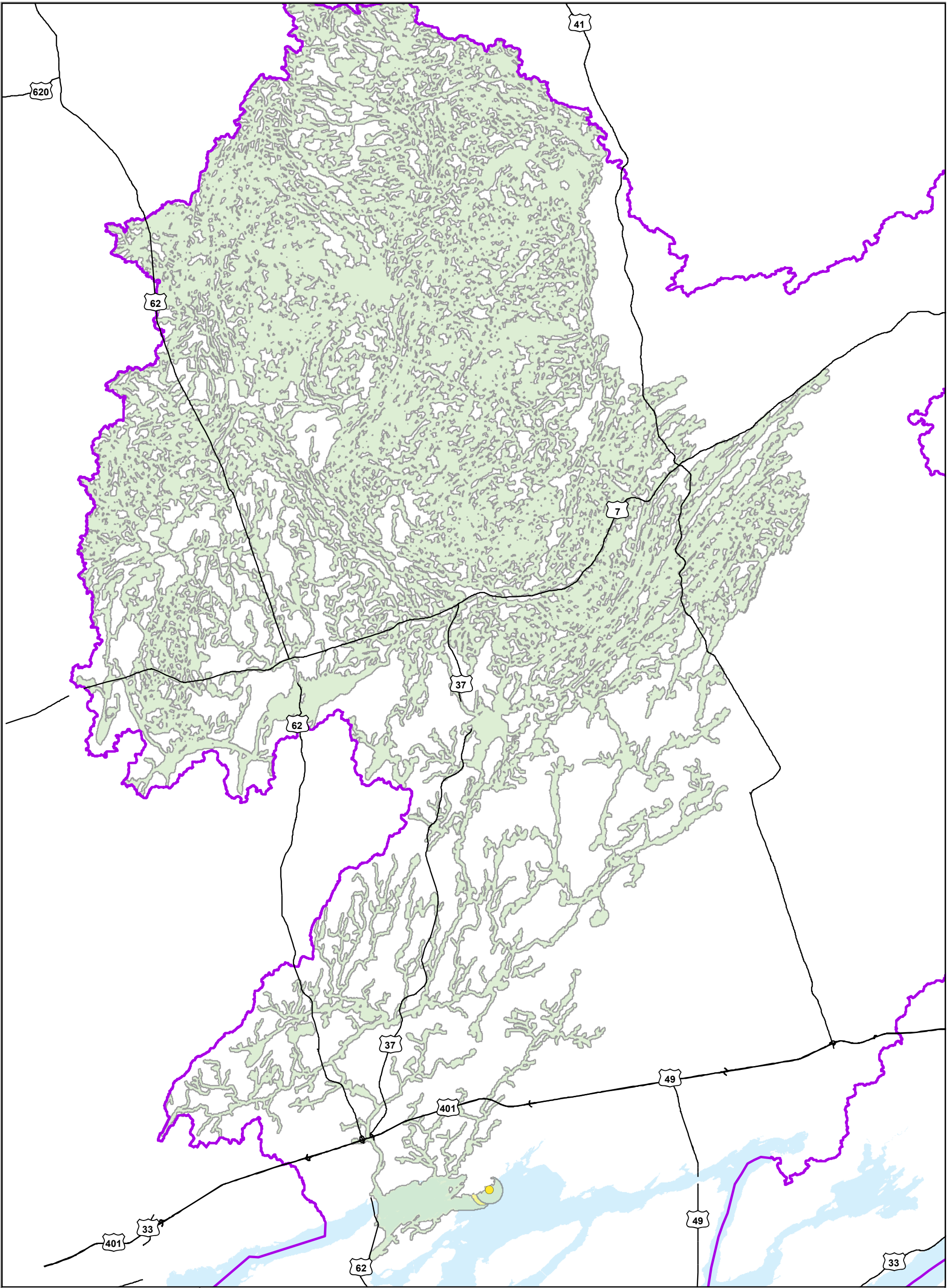


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Legend

● Intakes — Highways

□ Boundary Quinte Conservation Scientific Cartographic

Total Impervious Surface Area

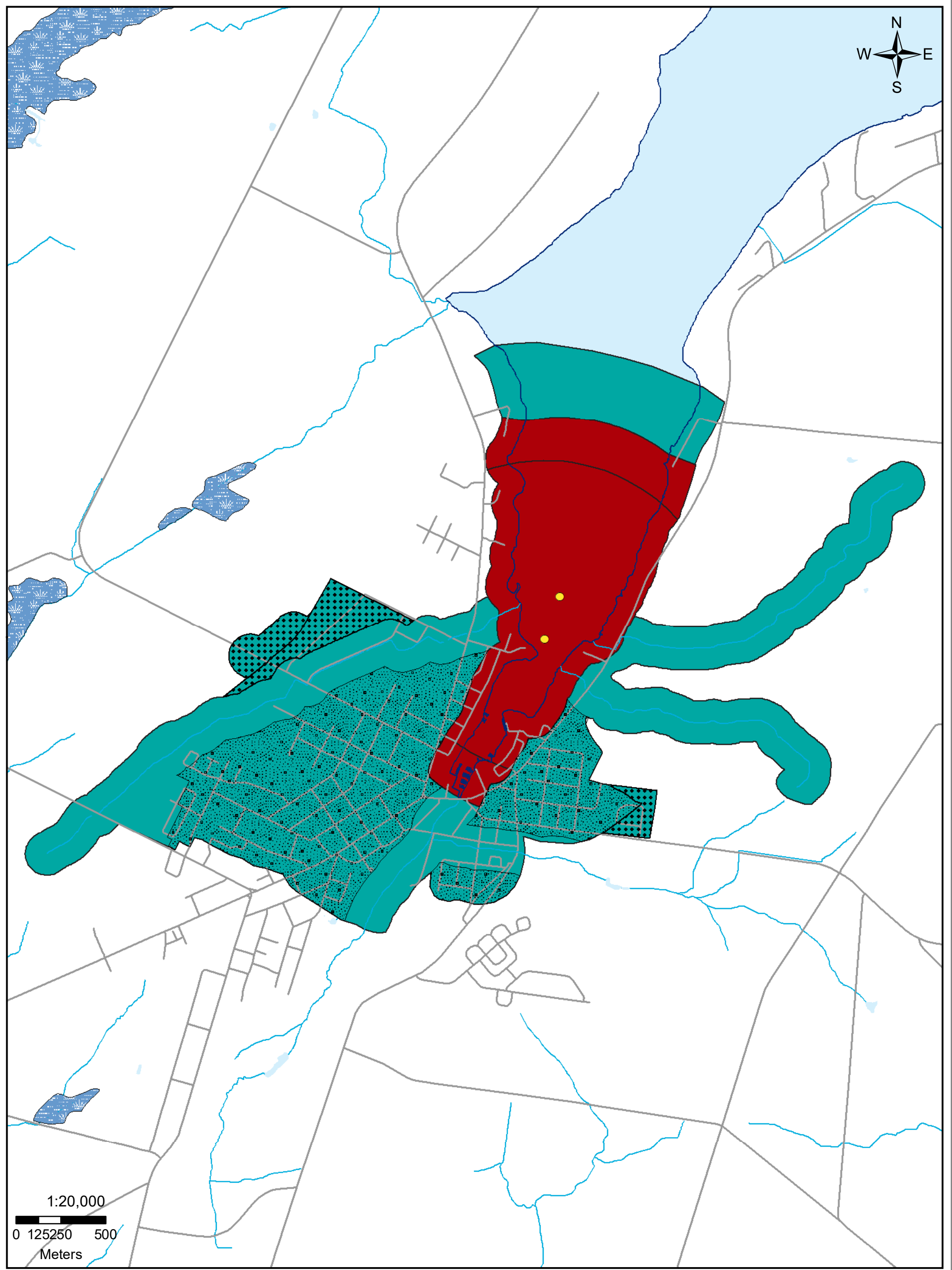

□ < 1%

□ 1 - 6%

Map 6.14 Point Anne Intake Protection Zone 3 a & b Impervious Surface Area



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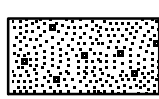


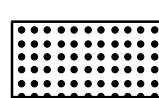
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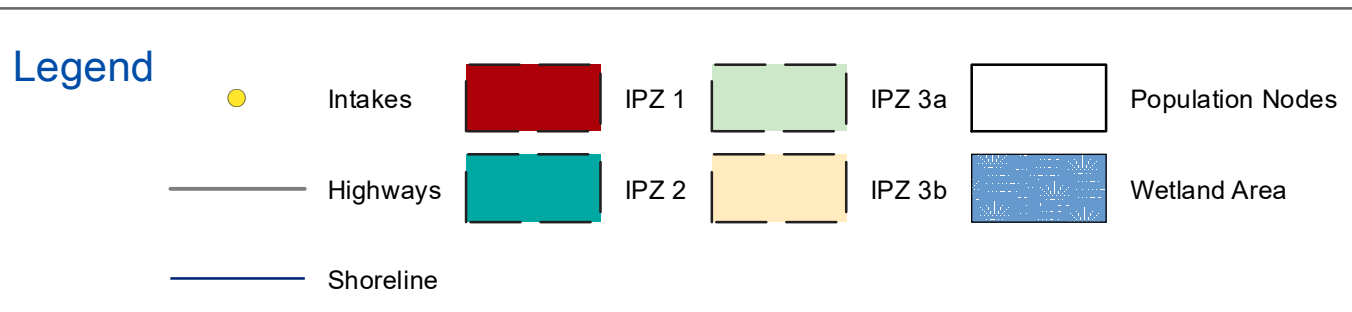
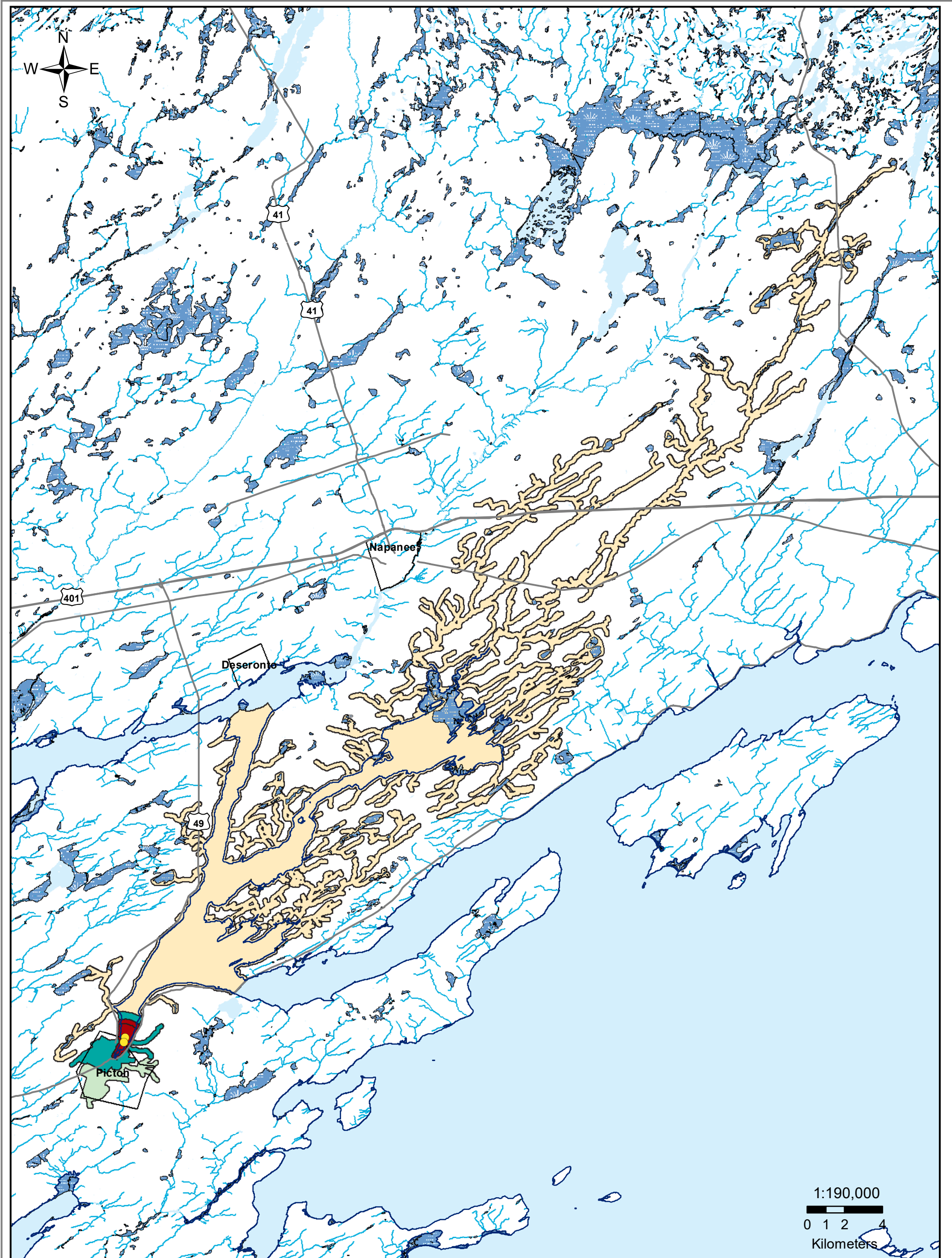
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 Intake Location - Ministry of the Environment

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Legend

	Intakes		IPZ1		Storm Sewershed
	Shoreline		IPZ2		Transport Pathway

Map 6.15 Picton Intake Protection Zones 1 & 2



Map 6.16 Picton Intake Protection Zones

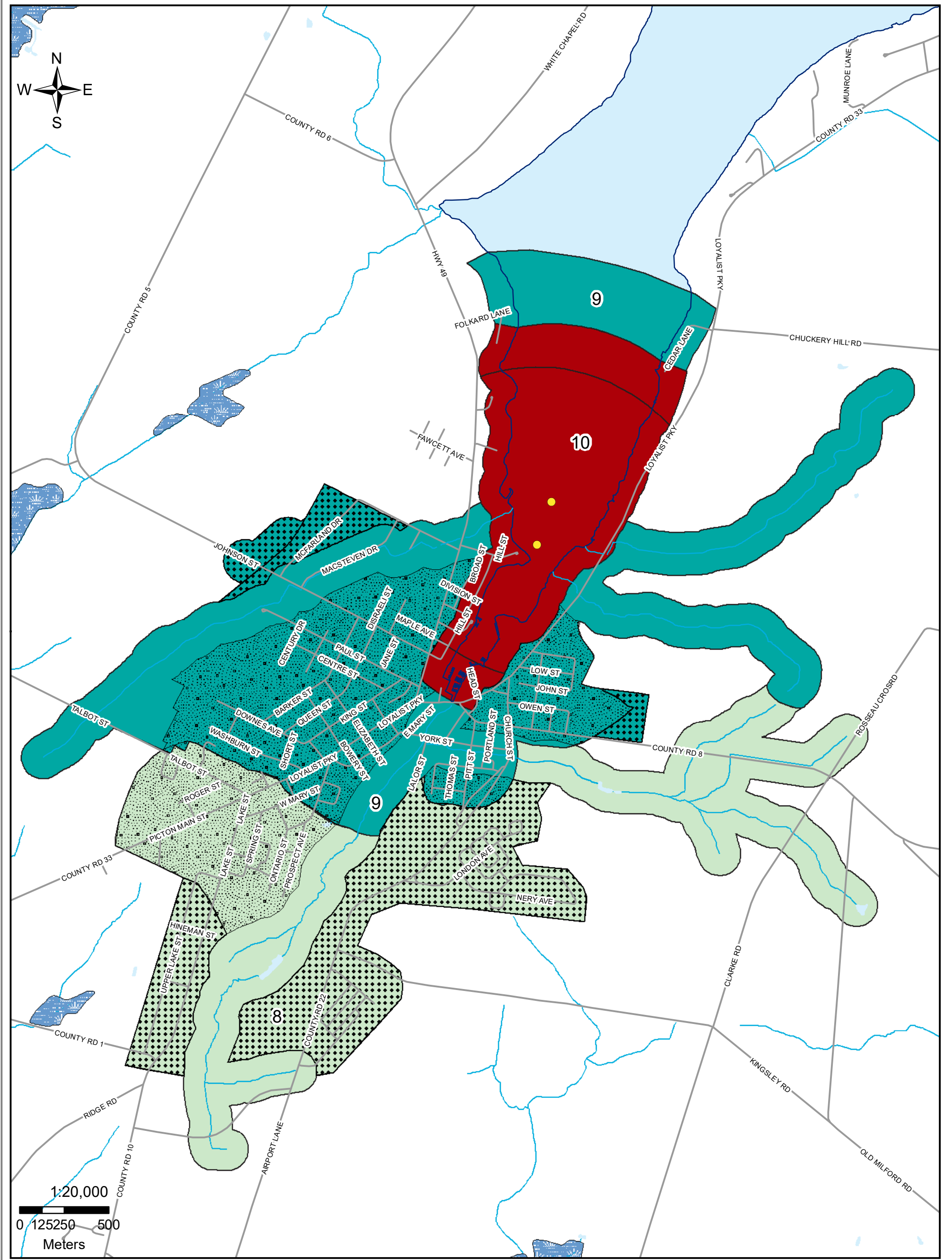


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Legend

- Intakes
- Shoreline
- Storm Sewershed
- Transport Pathway
- Vulnerability=10
- Vulnerability=9
- Vulnerability=8

Map 6.17 Picton IPZ 1,2 & 3a Vulnerability

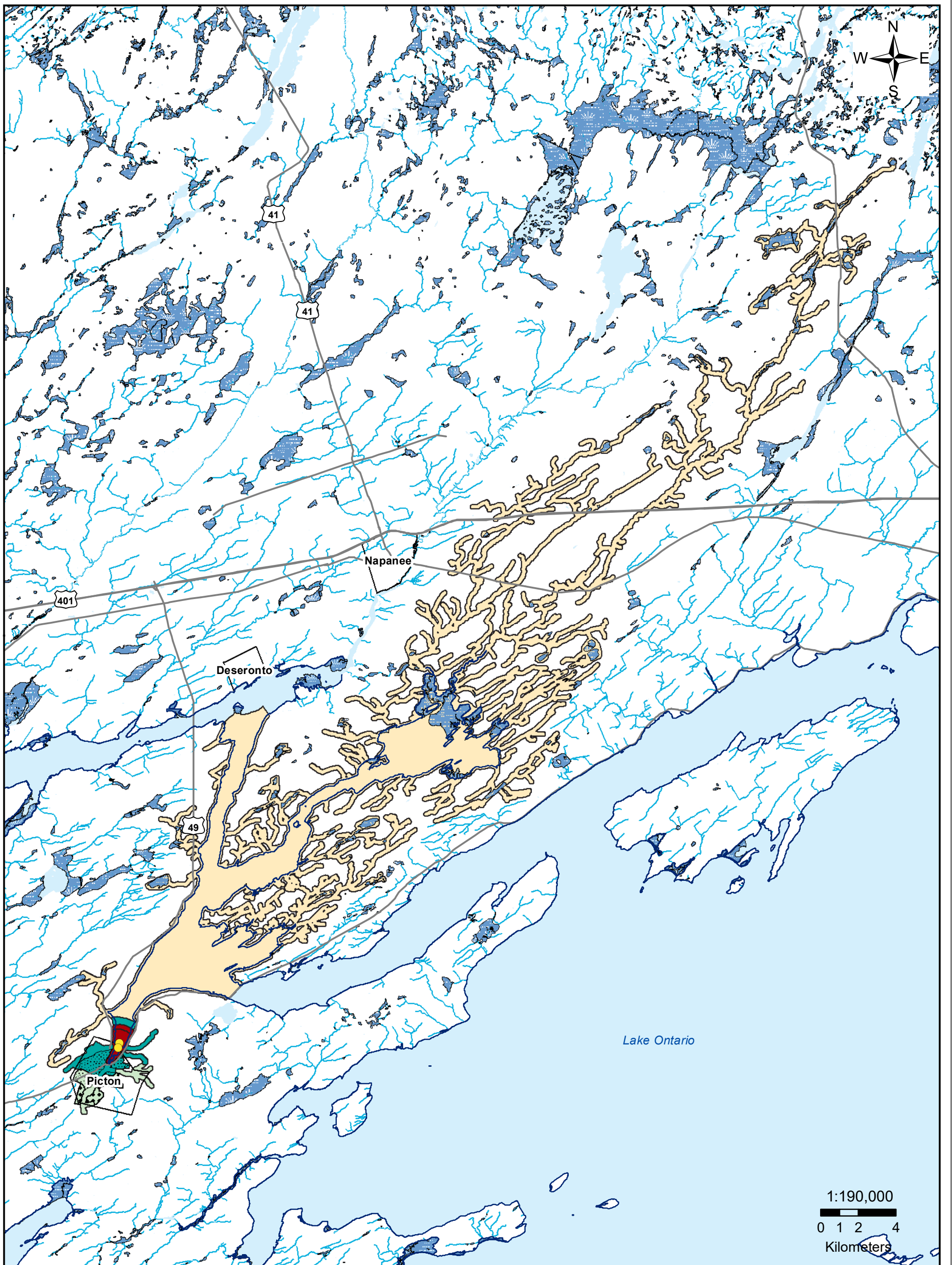


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Legend

- Intakes
- Vulnerability=10
- Vulnerability=8
- Waterbody
- Shoreline
- Vulnerability=9
- Vulnerability=6
- Transport Pathway
- Highways
- Wetland
- Storm Sewershed

Map 6.18
Picton Intake Protection Zones Vulnerability

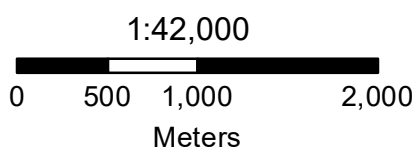
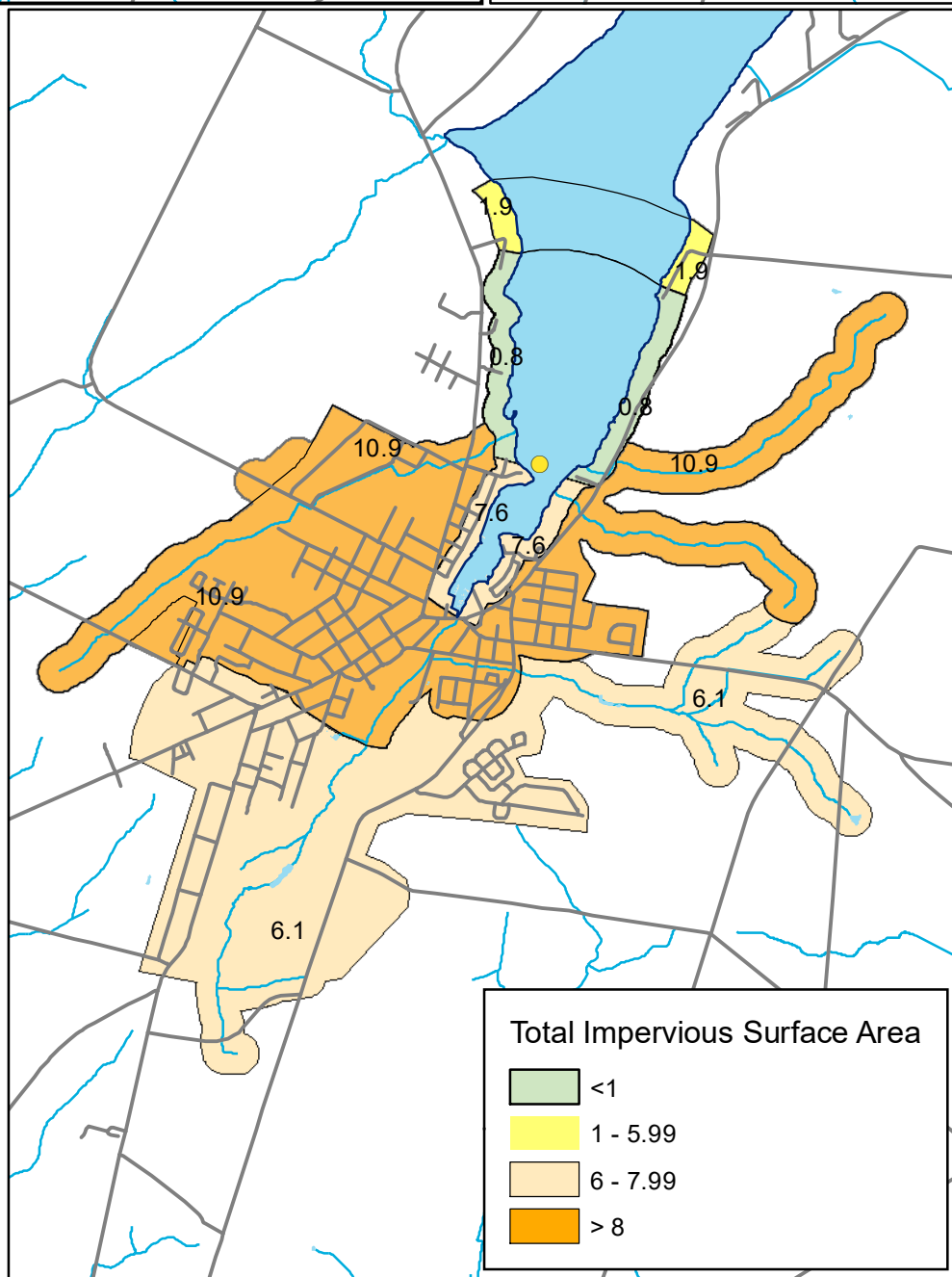
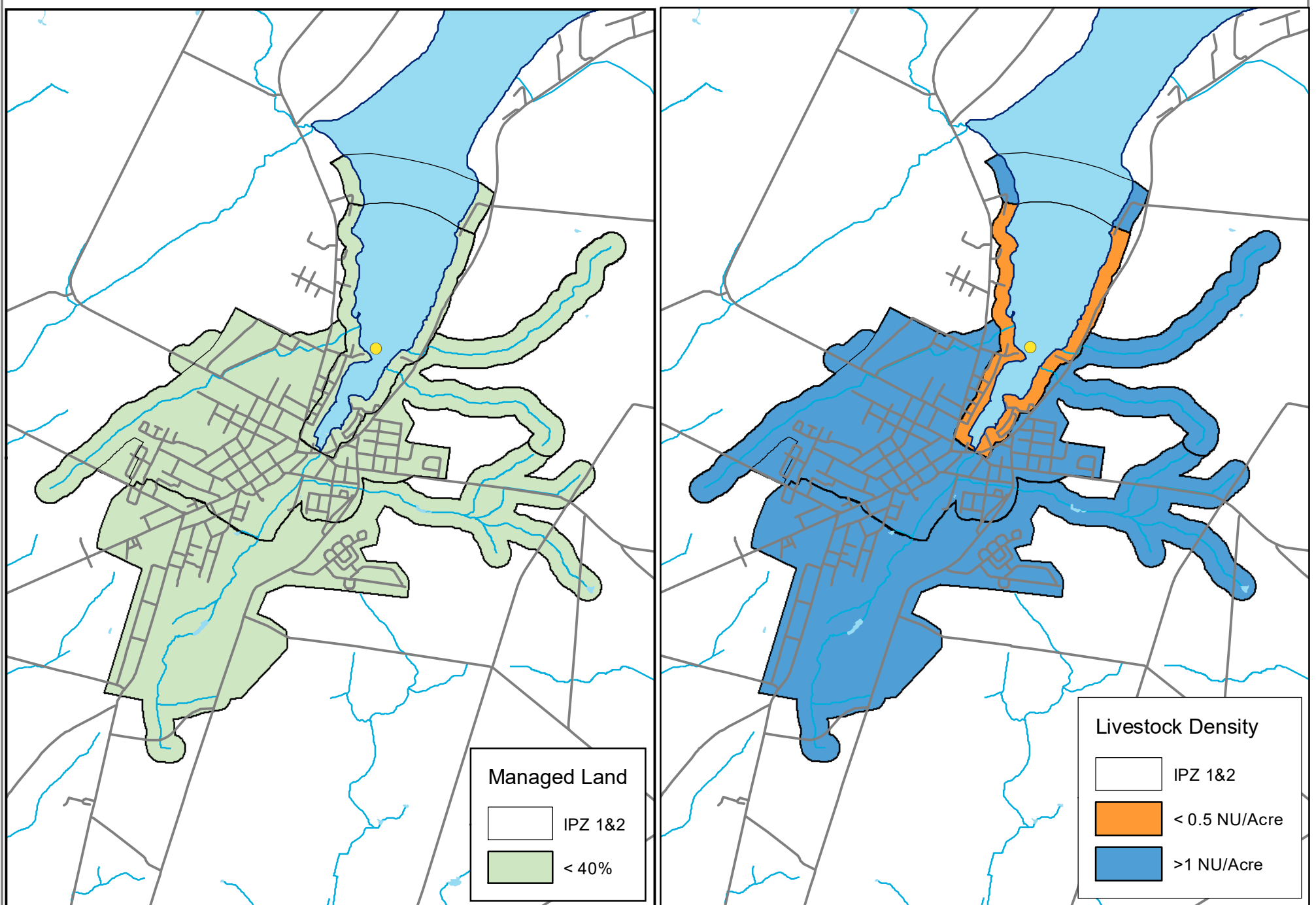


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Legend

● Intakes — Shoreline — Water Courses

**Map 6.19 Picton Intake Protection Zone
Managed Land, Livestock Density & Impervious
Surface Area**

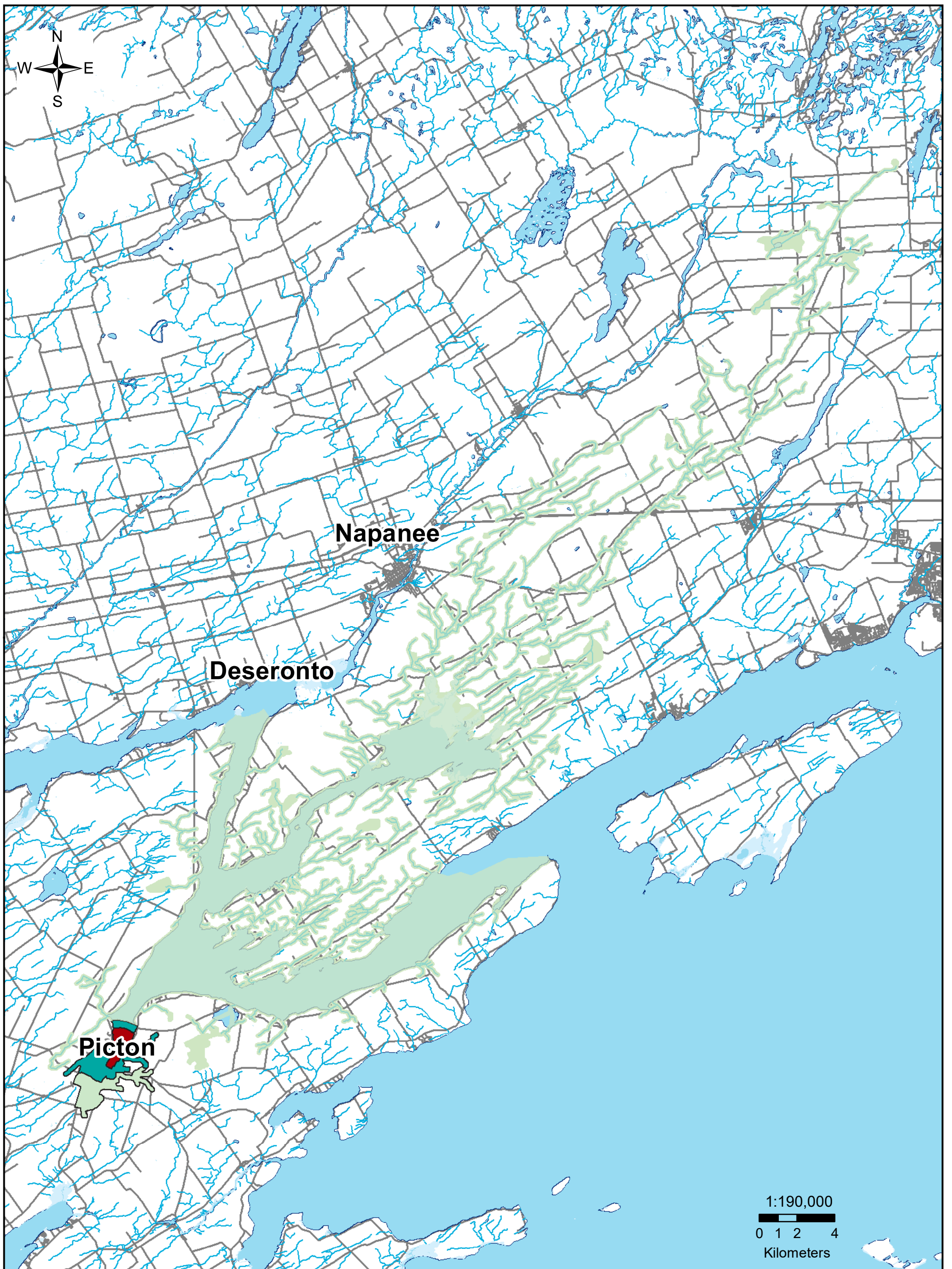


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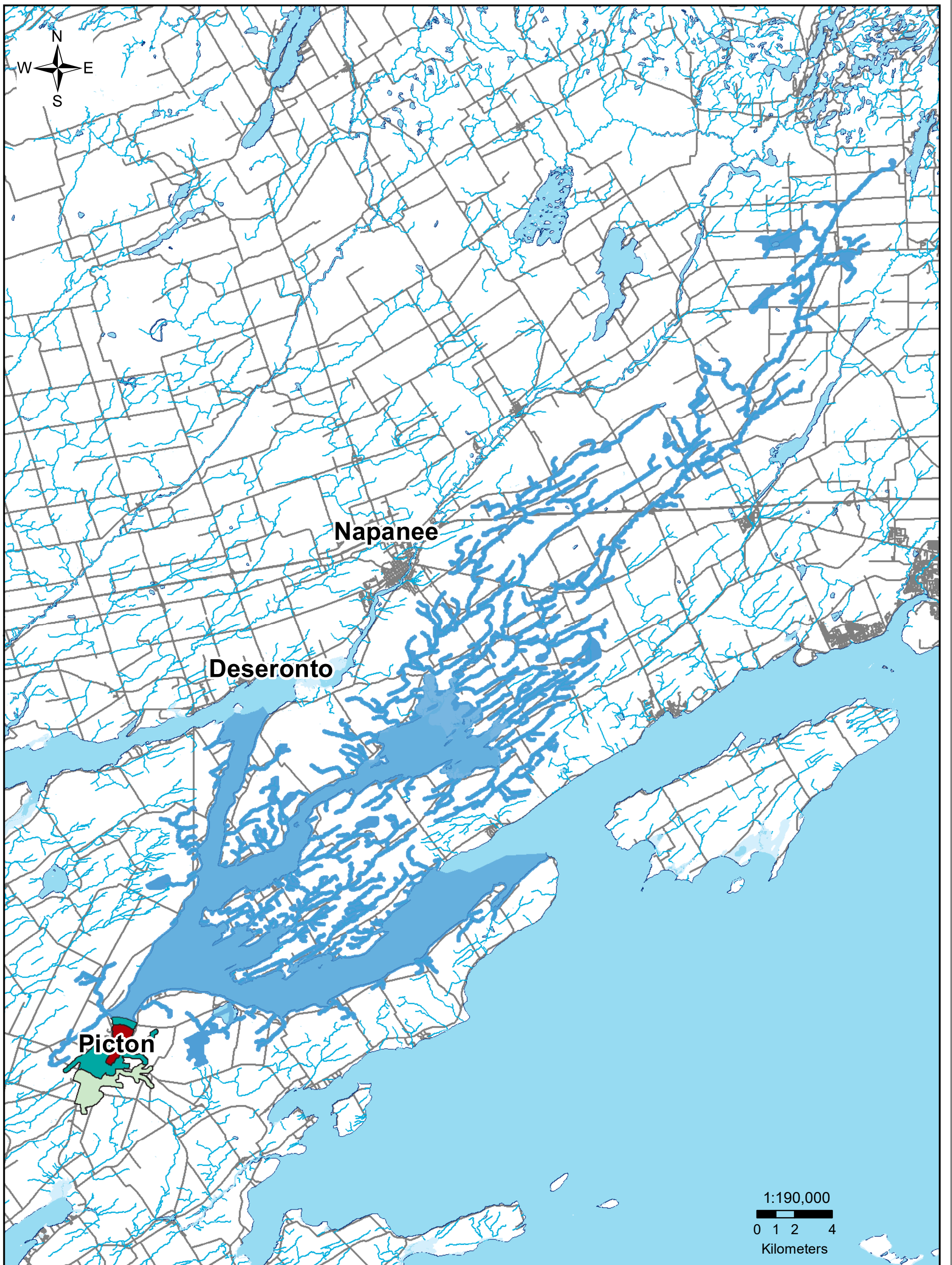
Legend

- Intakes
- Shoreline
- Highways
- IPZ 1
- IPZ 2
- IPZ 3a
- Managed Land < 40%

Map 6.20
Picton Intake Protection Zone 3b Managed Land



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Legend

- Intakes
- Shoreline
- Highways
- IPZ 1
- IPZ 2
- IPZ 3a
- Livestock Density > 1 NU/Acre

Map 6.21
Picton Intake Protection Zone 3b Livestock Density

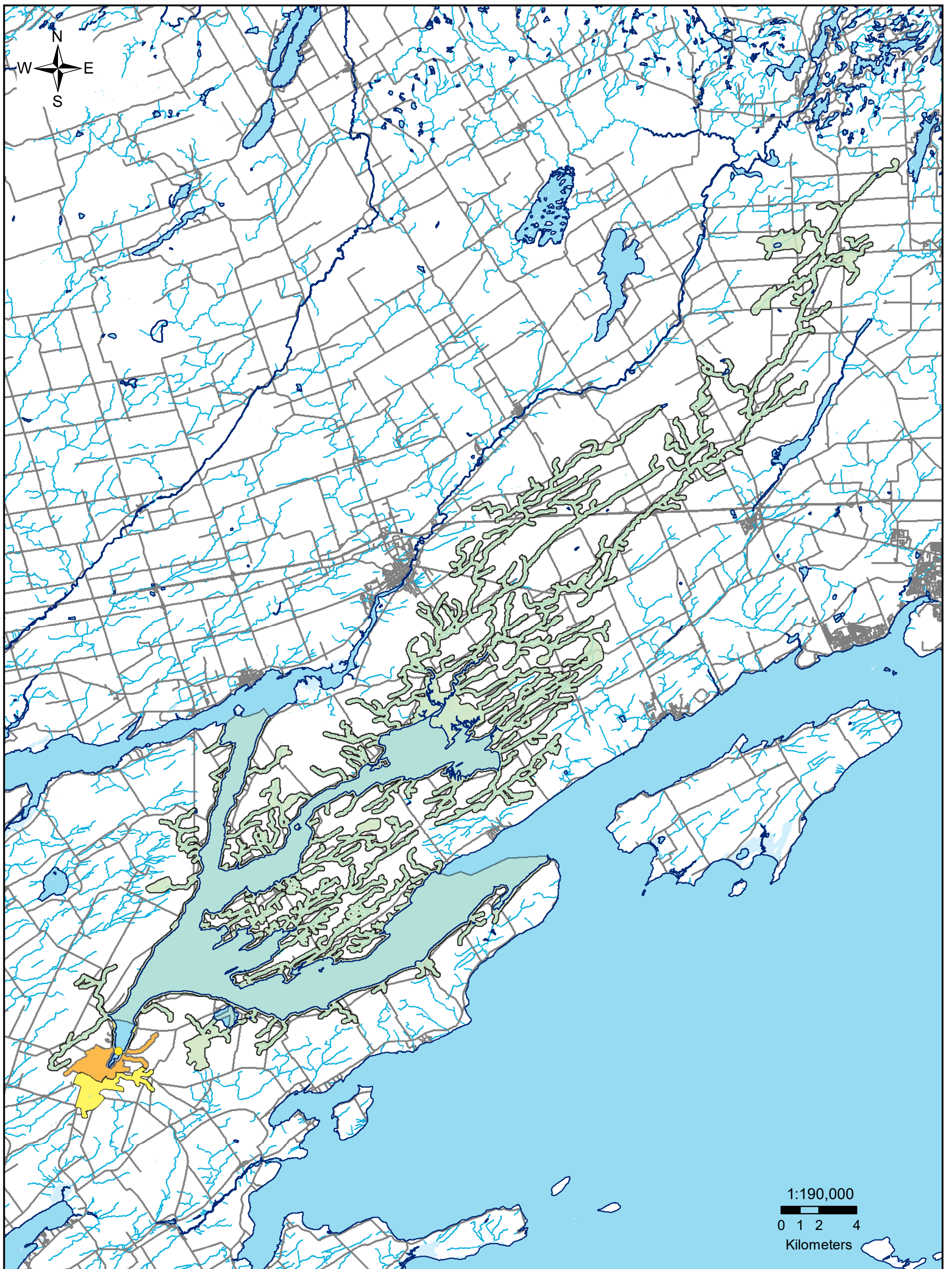


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Legend

- Intakes
- Shoreline
- <1
- 1-8
- >8



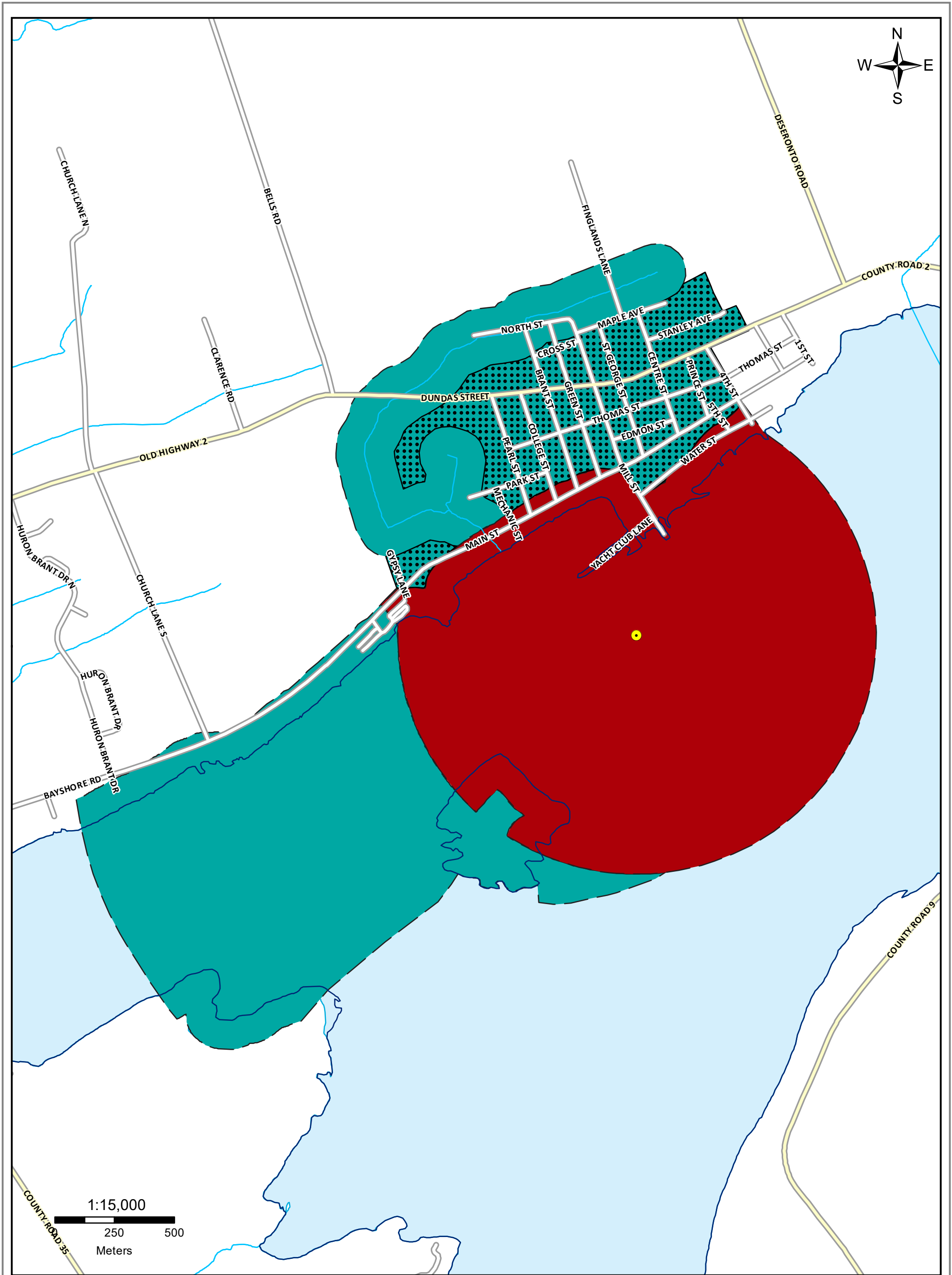

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**Map 6.22 Picton Intake Protection Zone 3b
 Total Impervious Surface Area**

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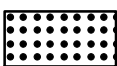

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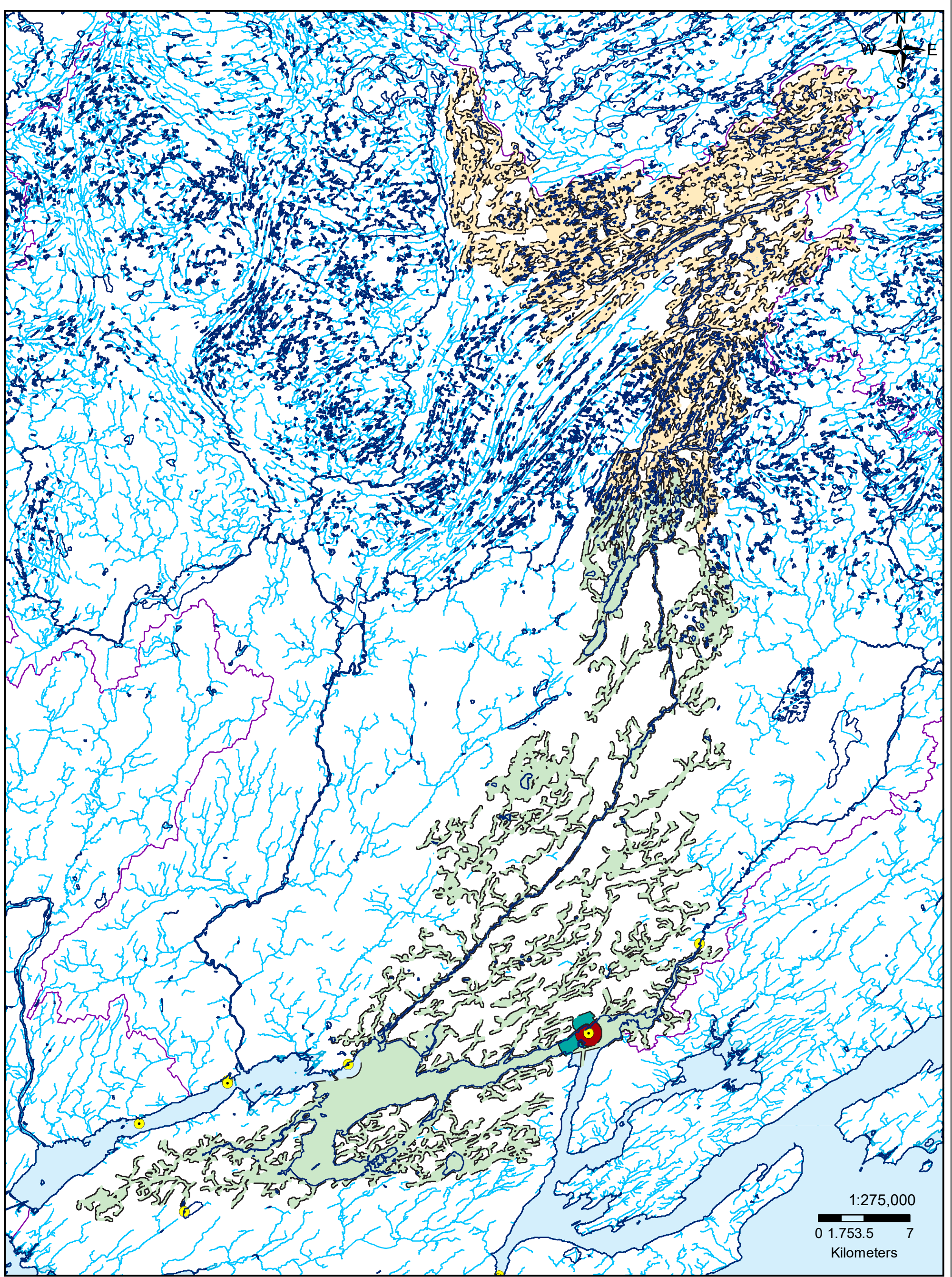
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Intake Location - Ministry of the Environment

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Legend

	Intake		Shoreline		IPZ 1
	Watercourses		Transport Pathway		IPZ 2

Map 6.23 Deseronto Intake Protection Zones 1&2



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Legend



Intake



Intake Protection Zone 1



Intake Protection Zone 3a



Shoreline

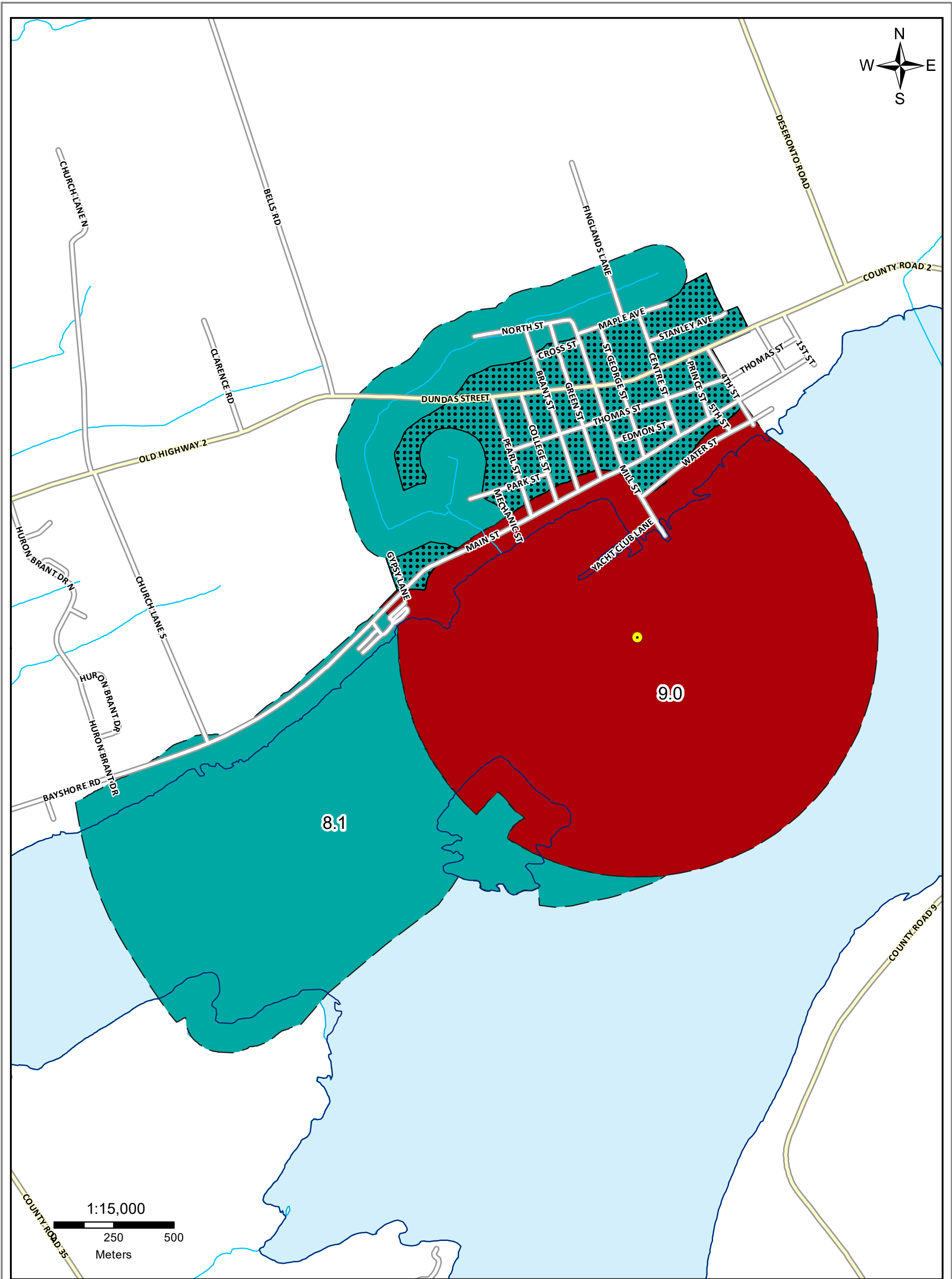


Intake Protection Zone 2



Intake Protection Zone 3b

Map 6.24 Deseronto Intake Protection Zones



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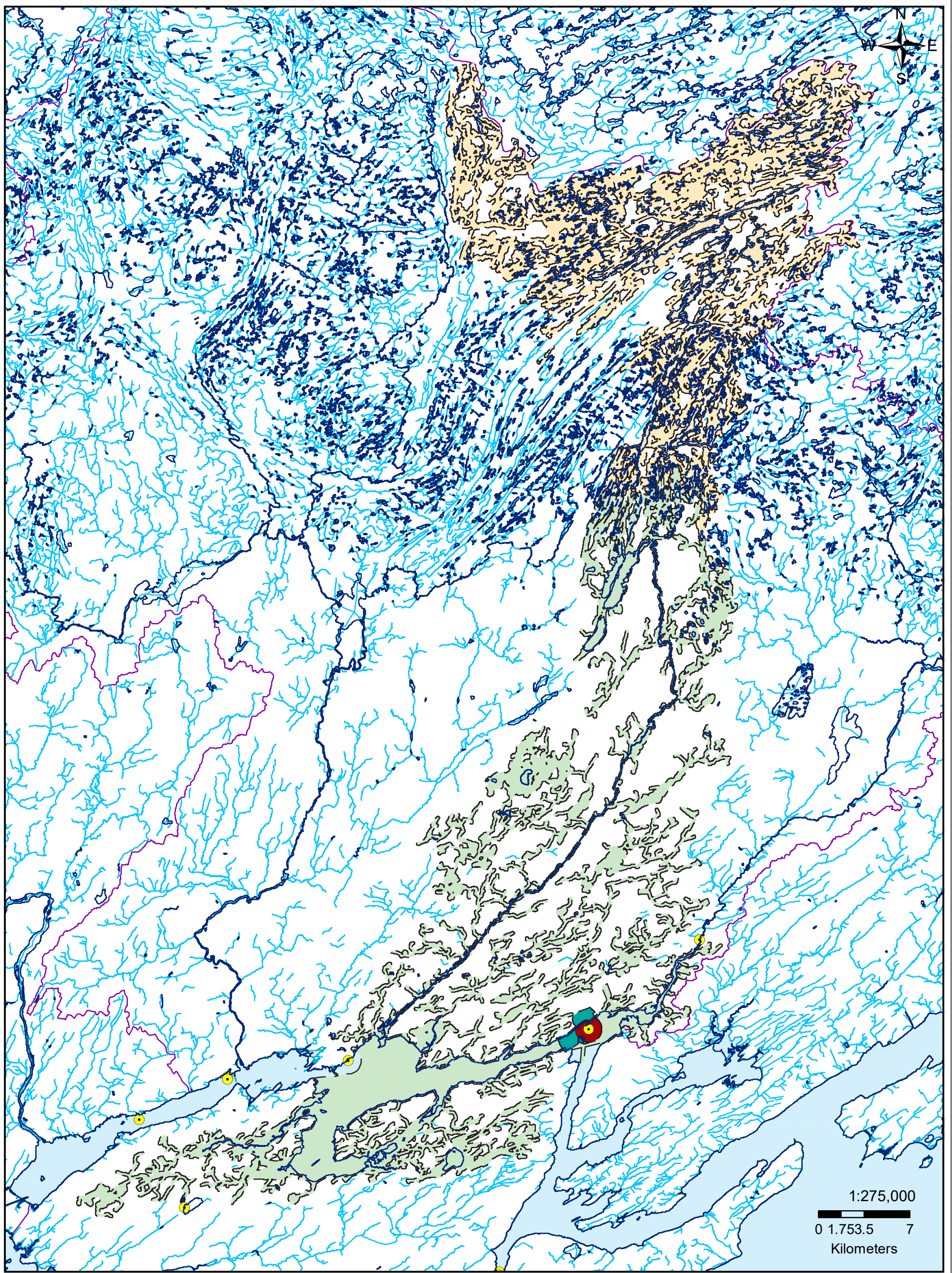
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Map 6.25 Deseronto IPZ 1&2 Vulnerability



Legend

- Intake
- Shoreline
- Vulnerability = 9.0
- Vulnerability = 8.1
- Vulnerability = 7.2
- Vulnerability = 2.7

Map 6.26

Deseronto Intake Protection Zone Vulnerability

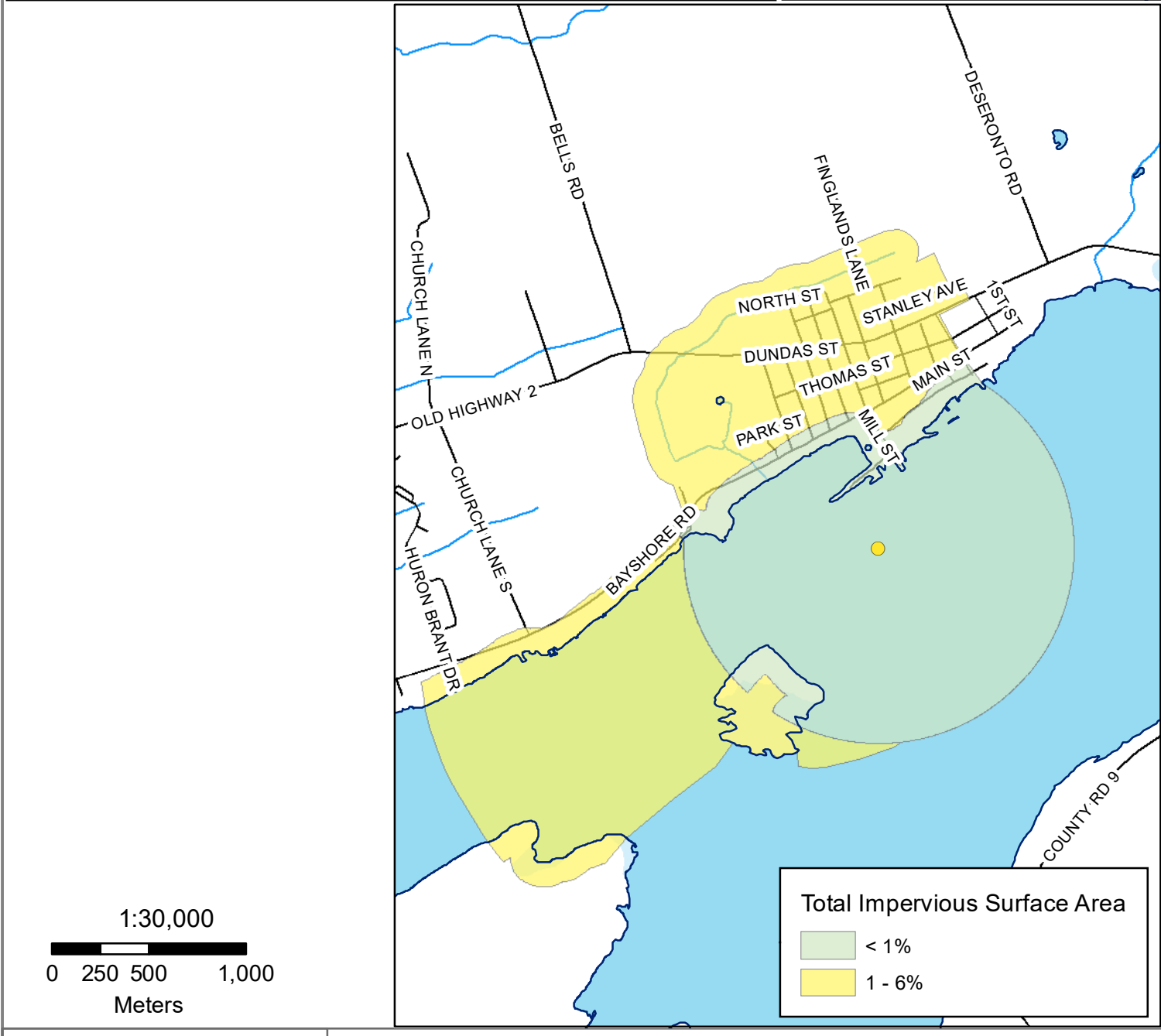
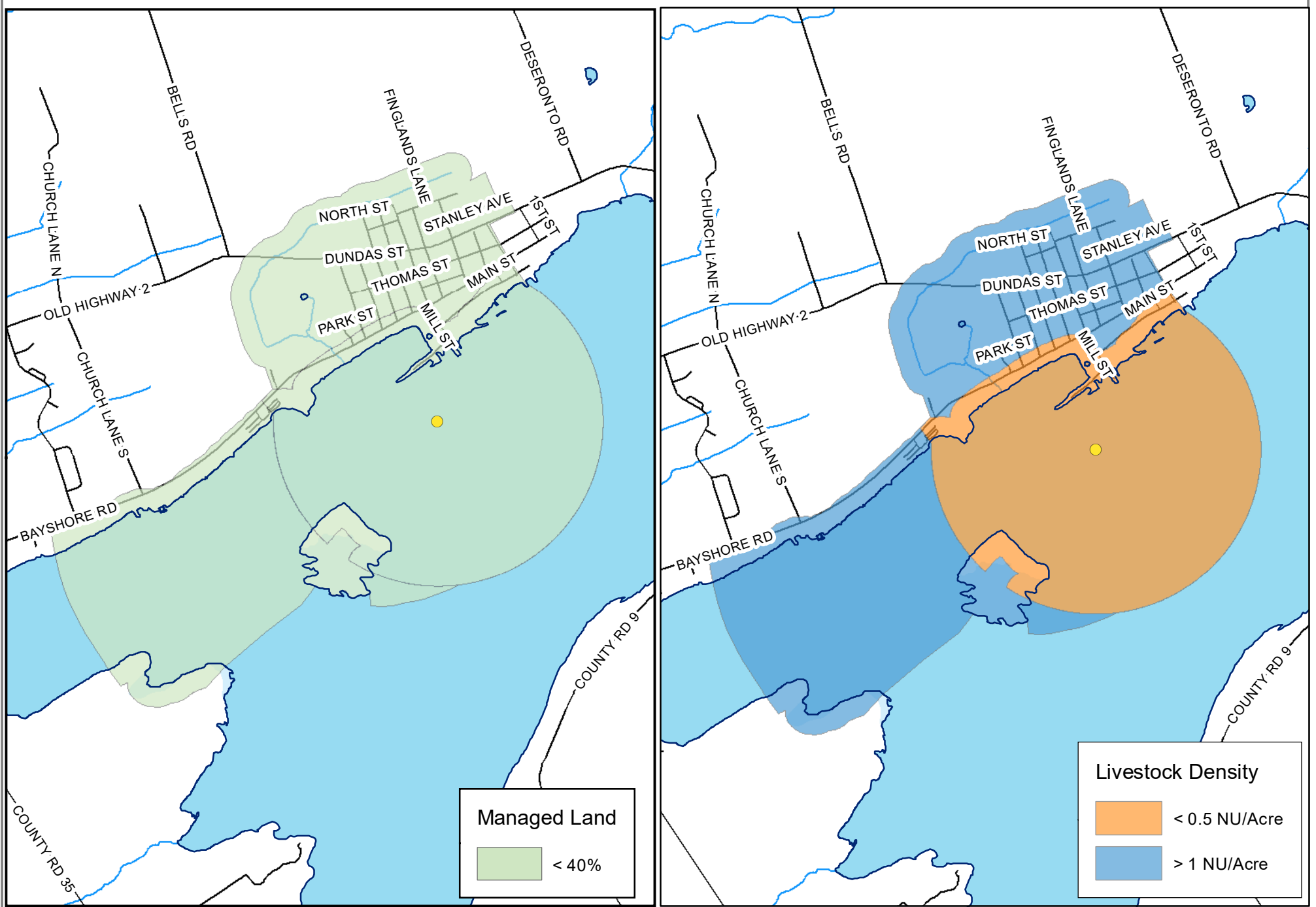


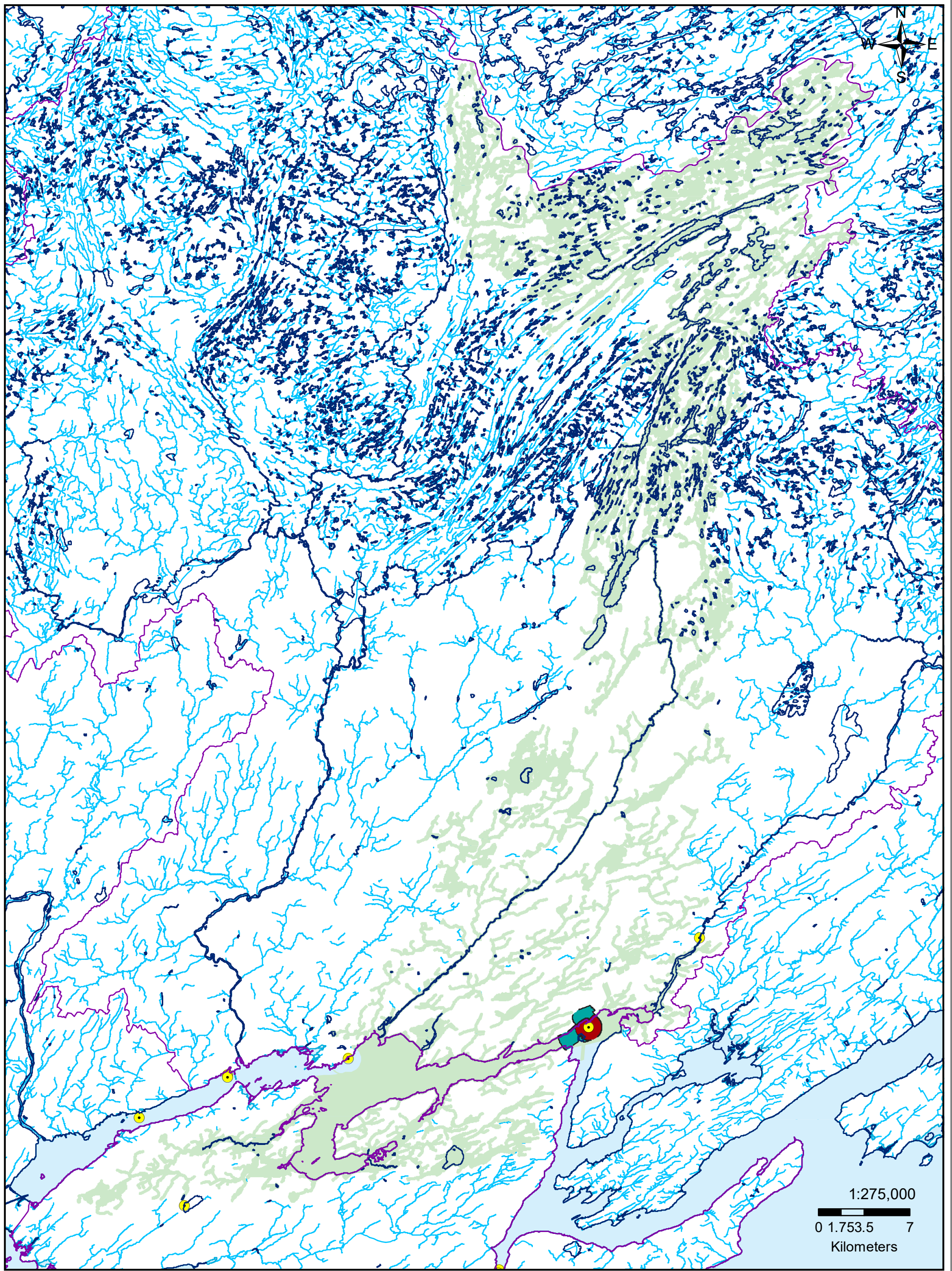
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Legend

- Intake
- Intake Protection Zone 1
- Managed Lands < 40%
- Shoreline
- Intake Protection Zone 2



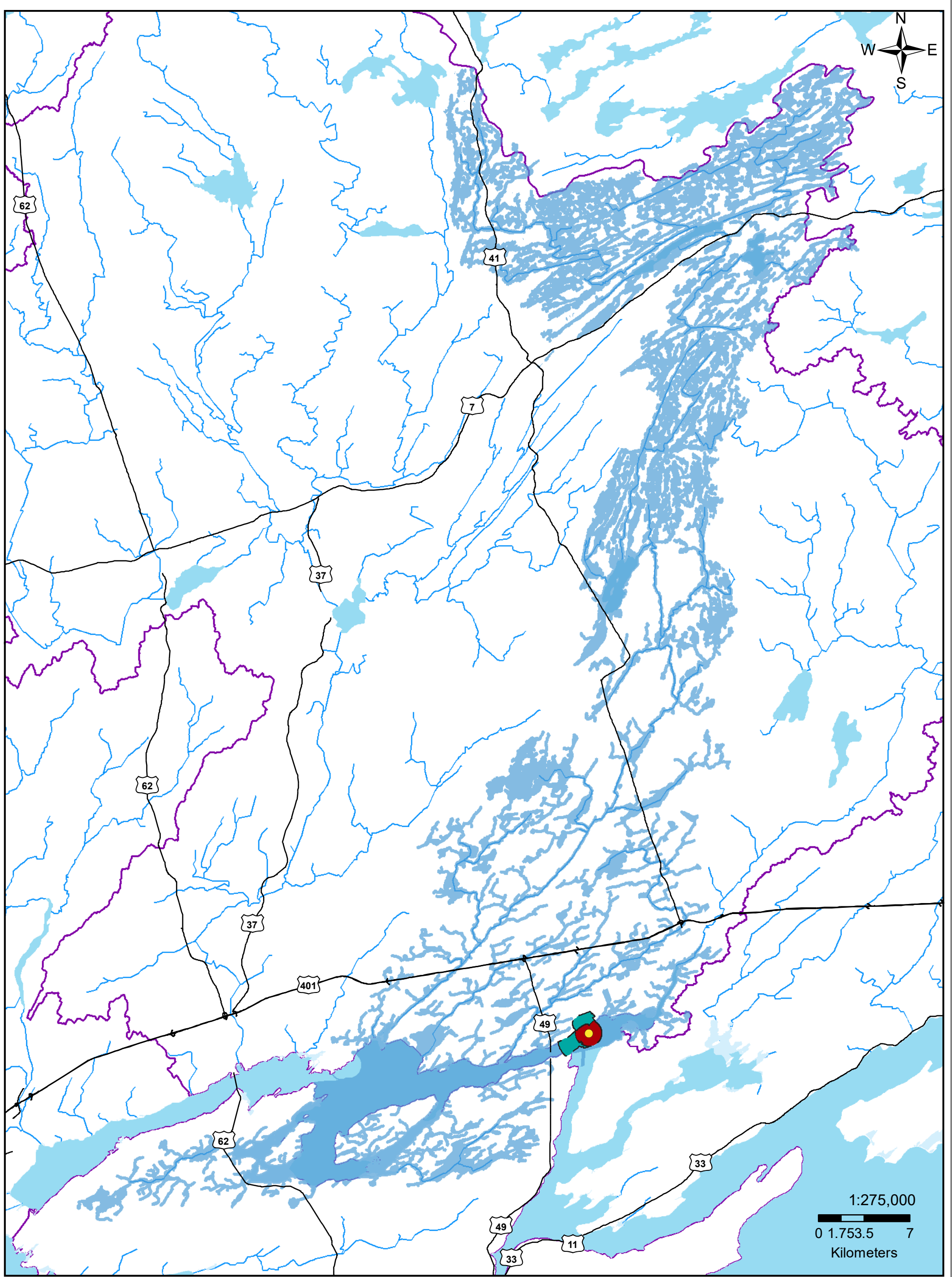
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Map 6.28 Deseronto IPZ 3a & b Managed Land

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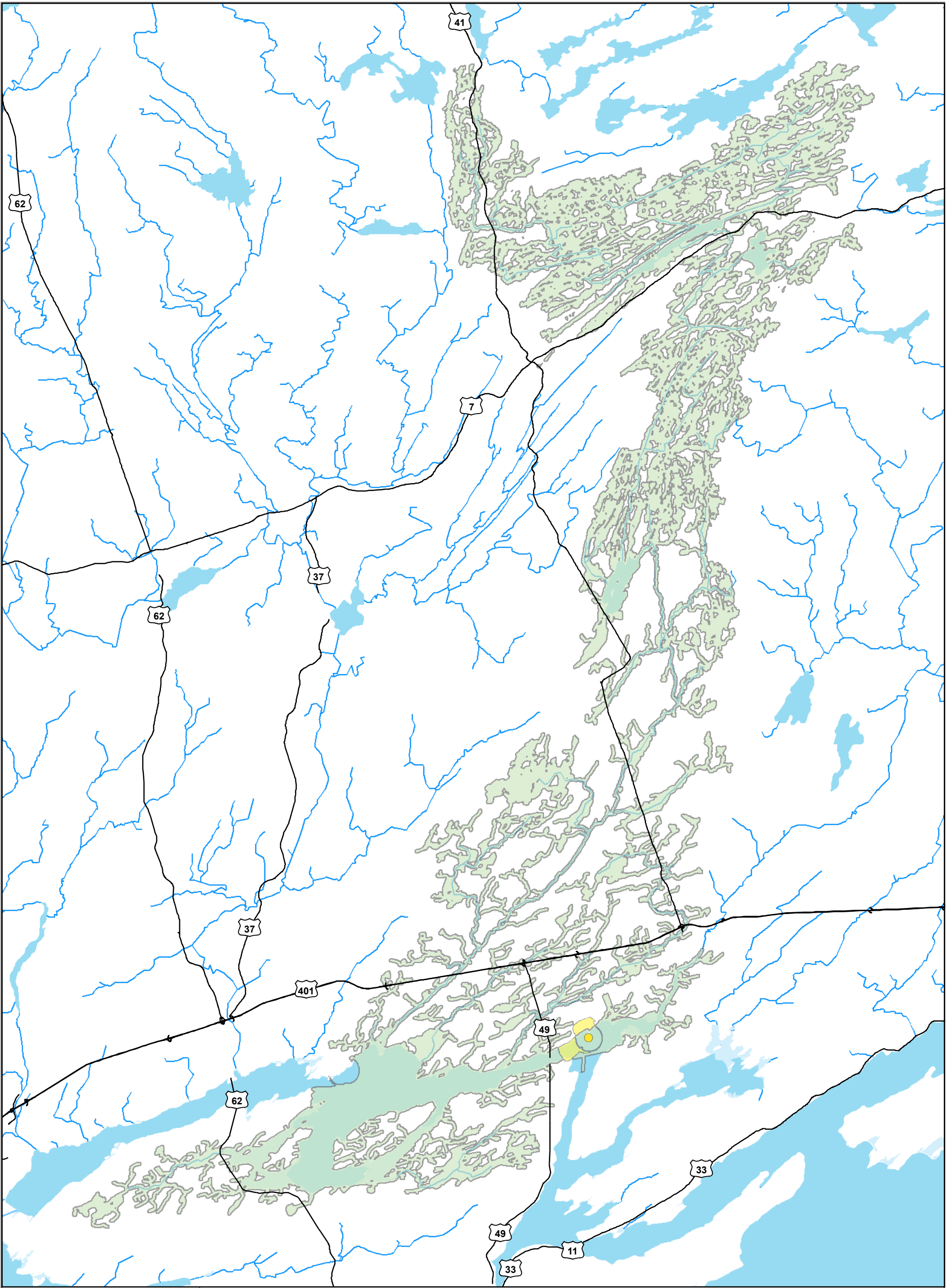
Legend

- Intakes
- Intake Protection Zone 1
- Livestock Density >1 NU/Acre
- Highways
- Intake Protection Zone 2

Map 6.29
Deseronto IPZ 3a & b Livestock Density



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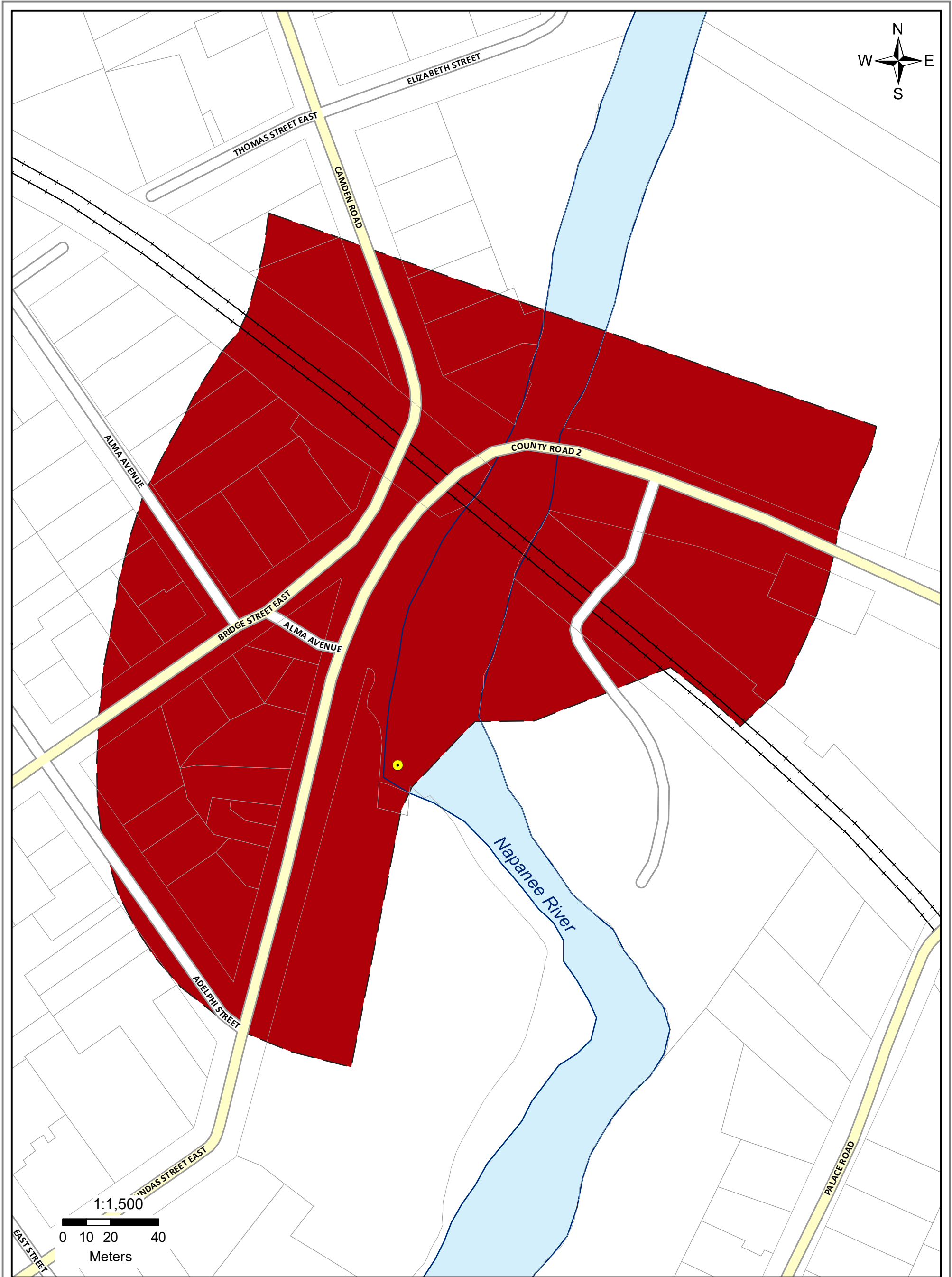

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Legend

- Intakes
 - Highways
- Total Impervious Surface Area**
- < 1%
 - 1 - 6%

Map 6.30 Deseronto Intake Protection Zone 3 a & b Total Impervious Surface Area

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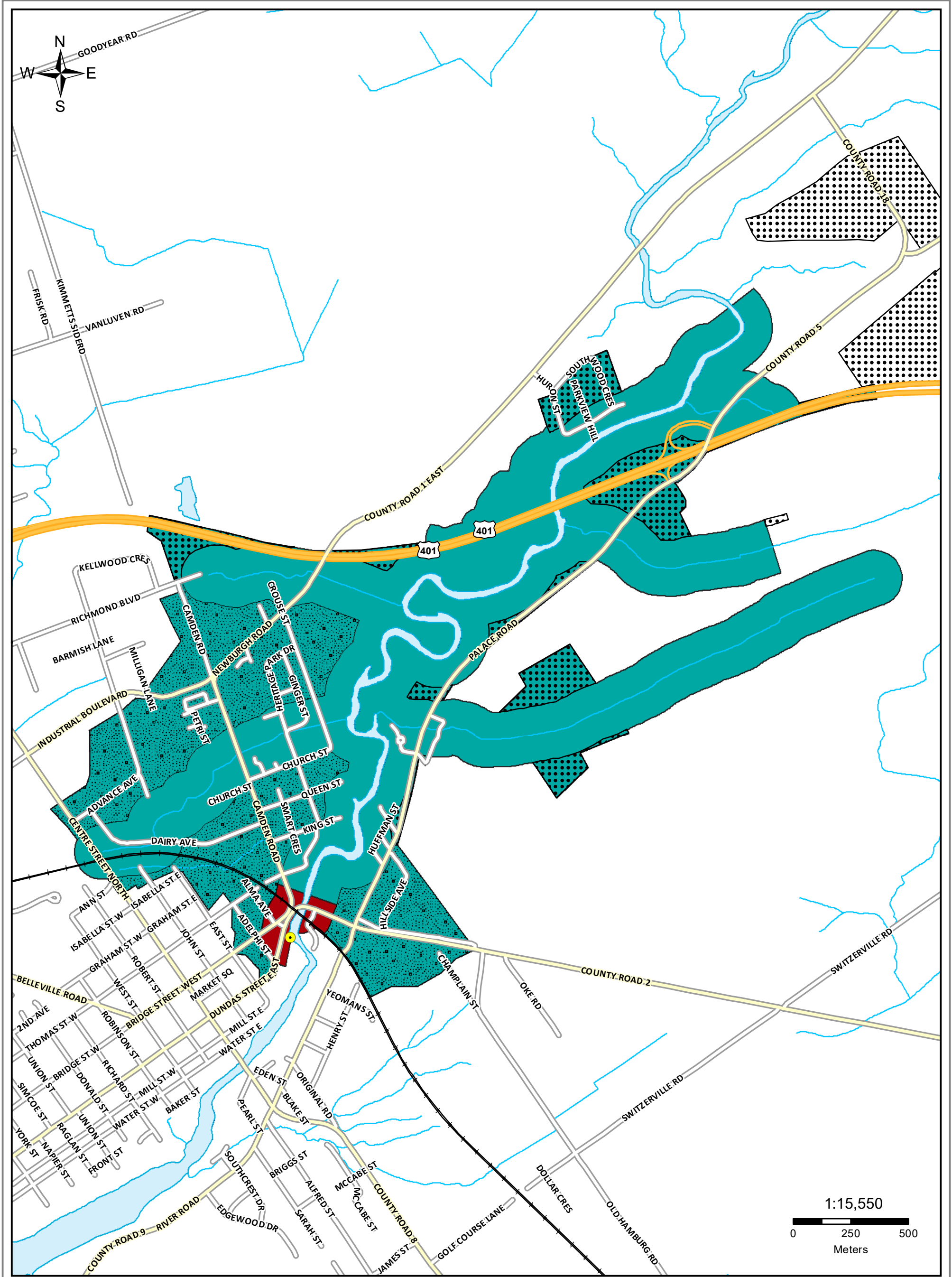

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 Intake Location - Ministry of the Environment

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Legend

- Intake
- Shoreline
- Railway
- IPZ 1

Map 6.31 Napanee Intake Protection Zone One

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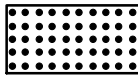


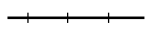
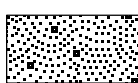

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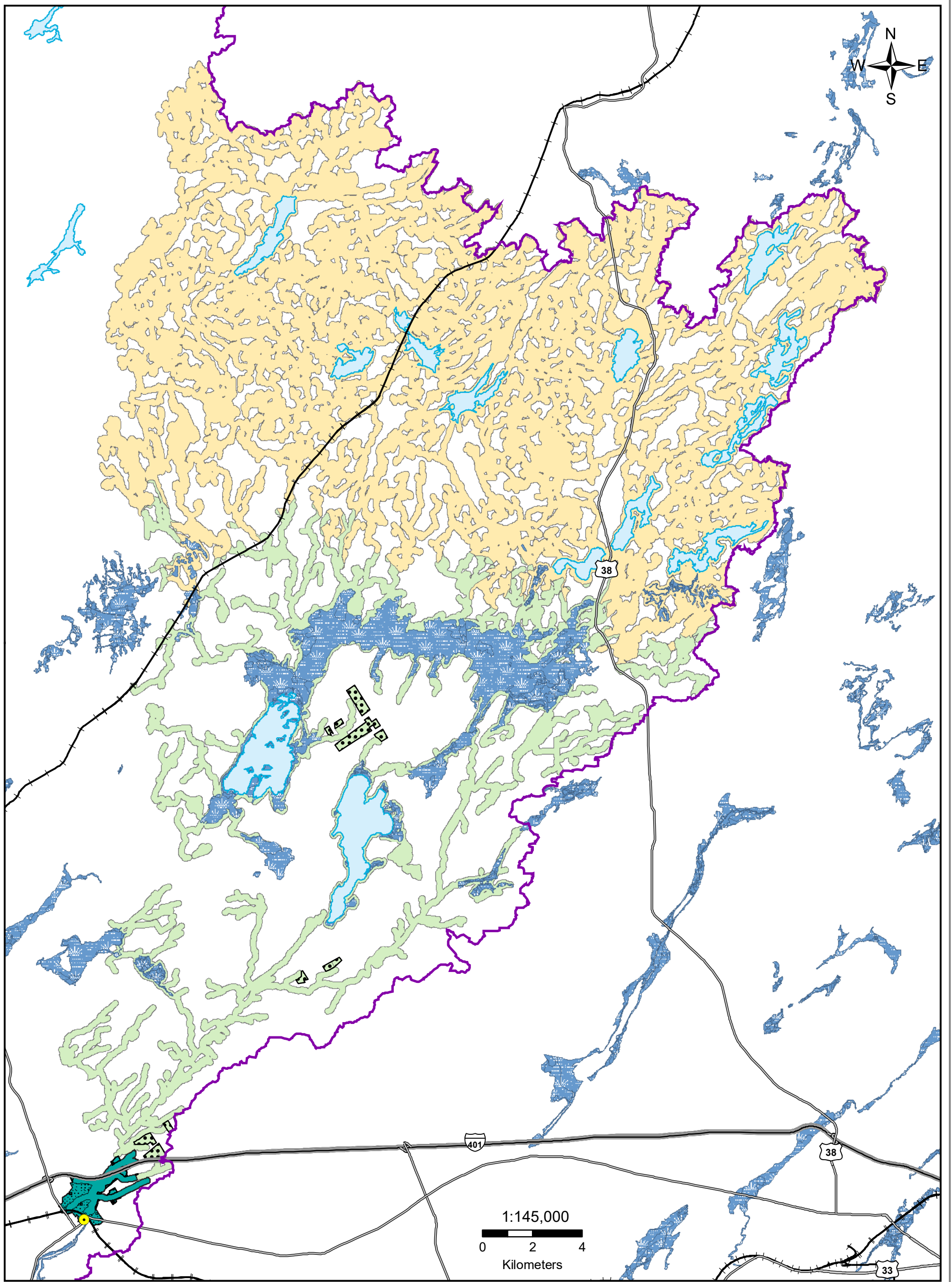
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Legend

	Intake		Watercourses		Transport Pathway		IPZ 1
	Shoreline		Railway		Sewershed		IPZ 2

Map 6.32 Napanee Intake Protection Zones 1 & 2




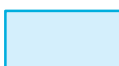

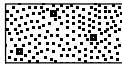








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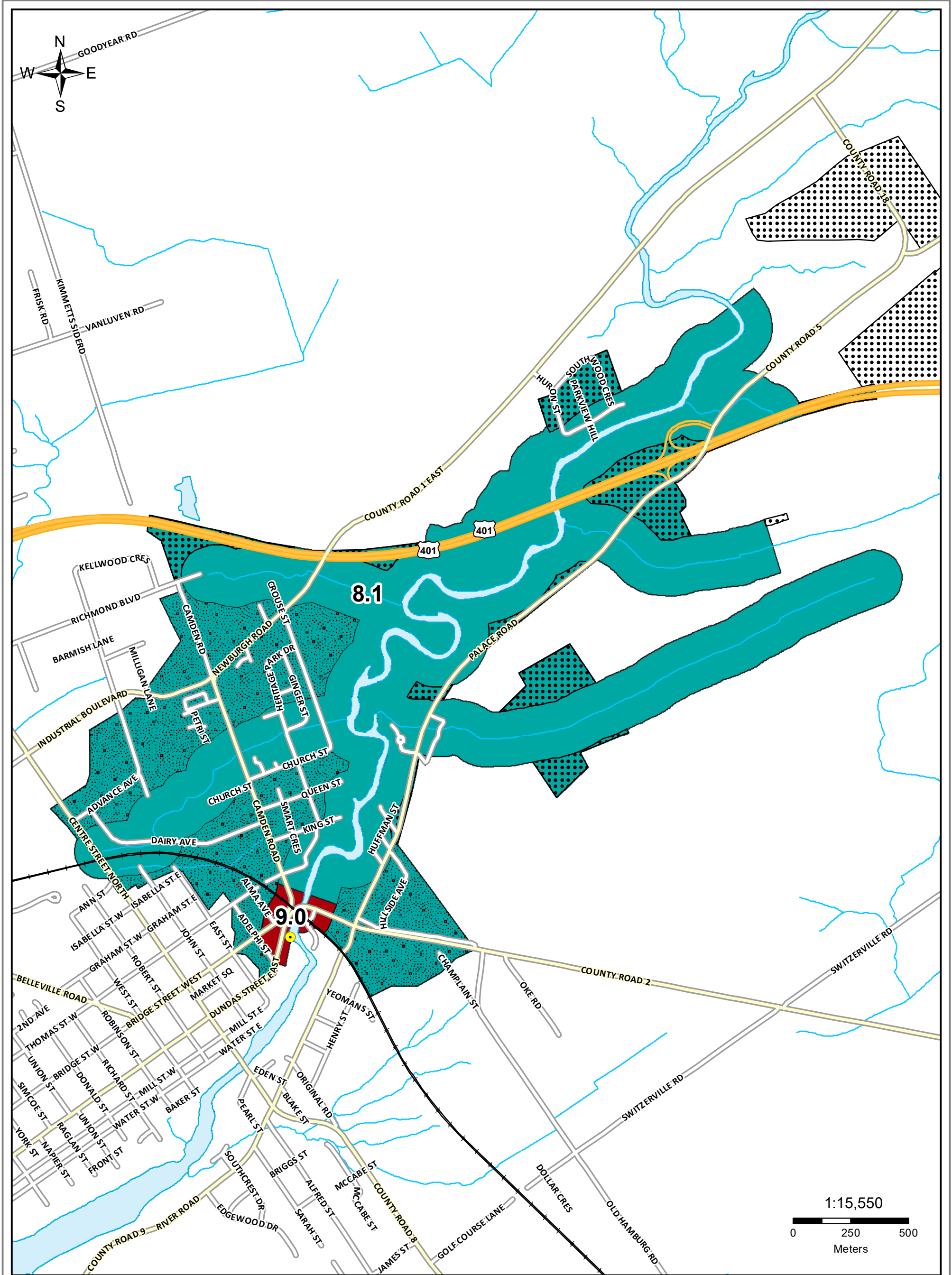
Digital Mapping Sources:
 Base Map - Ontario Ministry of Natural Resources
 Intake Location - Ministry of the Environment


Legend

- | | | | | | | | |
|---|-------------|--|-------------------|---|--------|---|---------------|
|  | Intake |  | Transport Pathway |  | IPZ 2 |  | Lakes |
|  | Highways |  | Sewershed |  | IPZ-3a |  | Wetland |
|  | Highway 401 |  | IPZ 1 |  | IPZ-3b |  | Quinte Region |

Map 6.33 Napanee Intake Protection Zones

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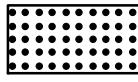


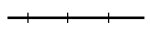
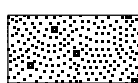

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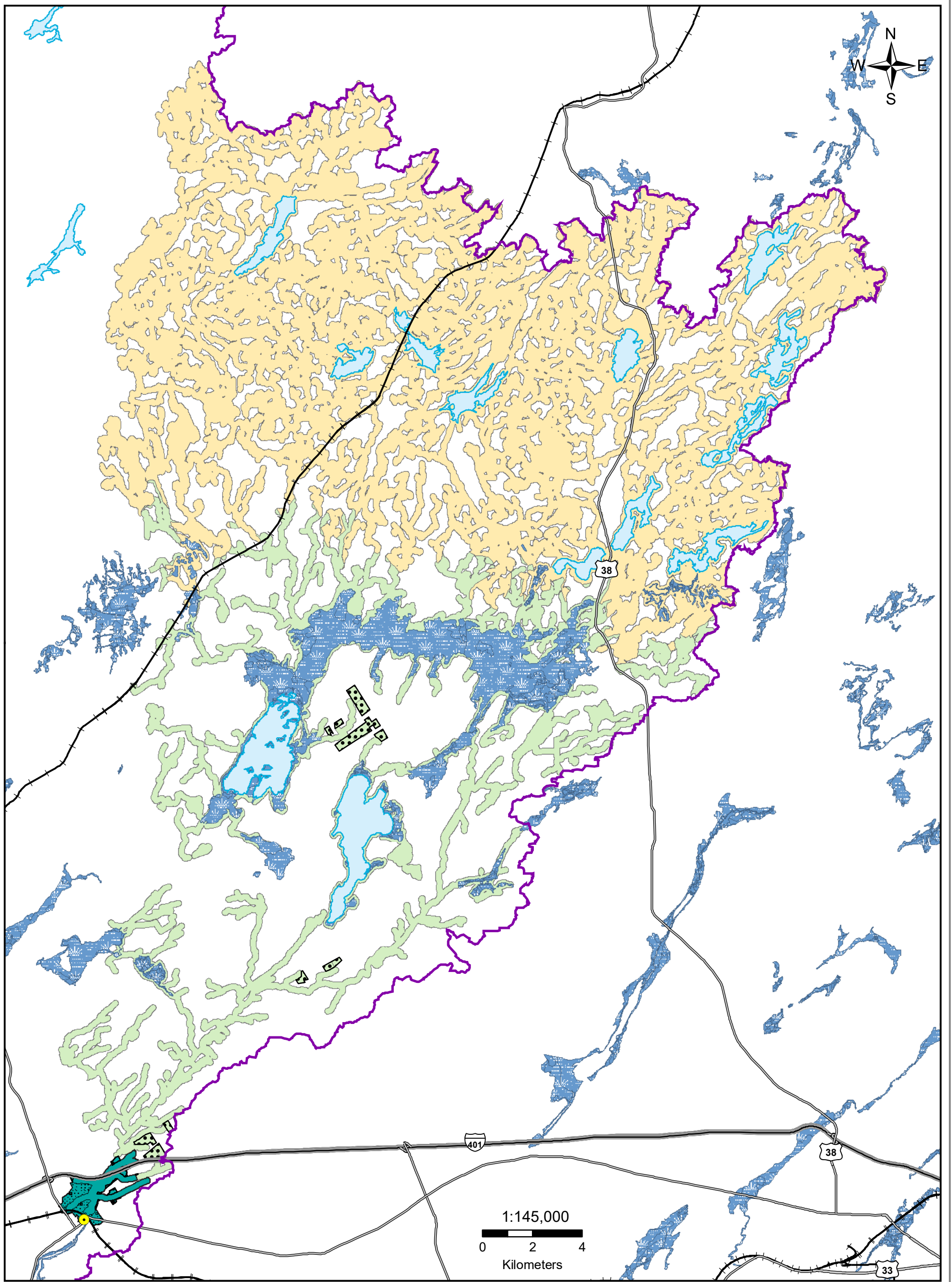
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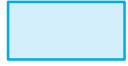








Legend

	Intake		Watercourses		Transport Pathway		Vulnerability = 9.0
	Shoreline		Railway		Sewershed		Vulnerability = 8.1

Map 6.34 Napanee IPZ 1 & 2 Vulnerability



Legend

-  Intake
-  Transport Pathway
-  Vulnerability = 8.1
-  Lakes
-  Highways
-  Sewershed
-  Vulnerability = 7.2
-  Wetland
-  Highway 401
-  Vulnerability = 9.0
-  Vulnerability = 2.7
-  Quinte Region

Map 6.35 Napanee IPZ Vulnerability

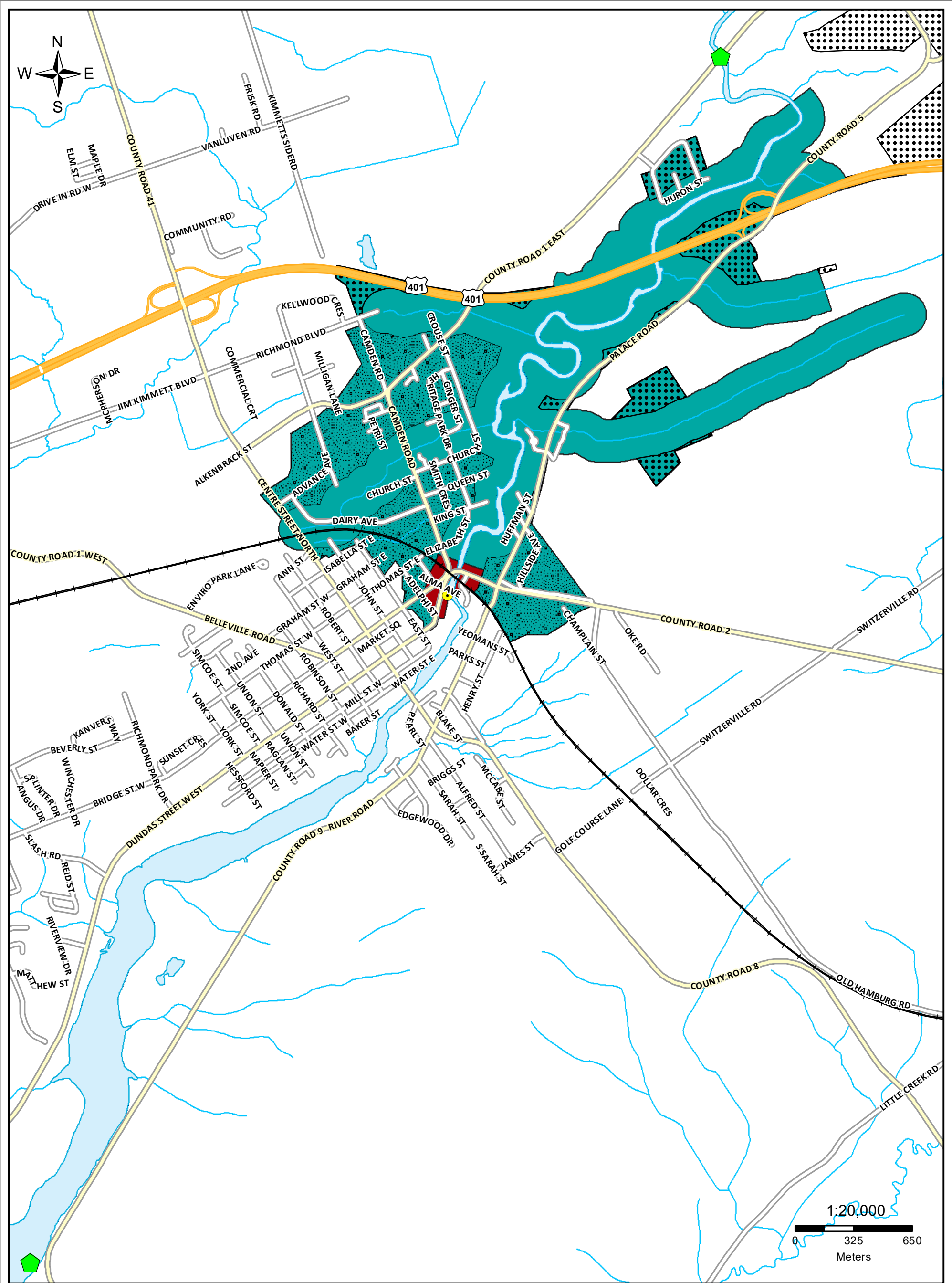


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Legend

- Intake
- Watercourses
- Shoreline
- Railway
- Transport Pathway
- Sewershed
- IPZ 1
- IPZ 2

Map 6.36 Napanee Backup System Monitoring

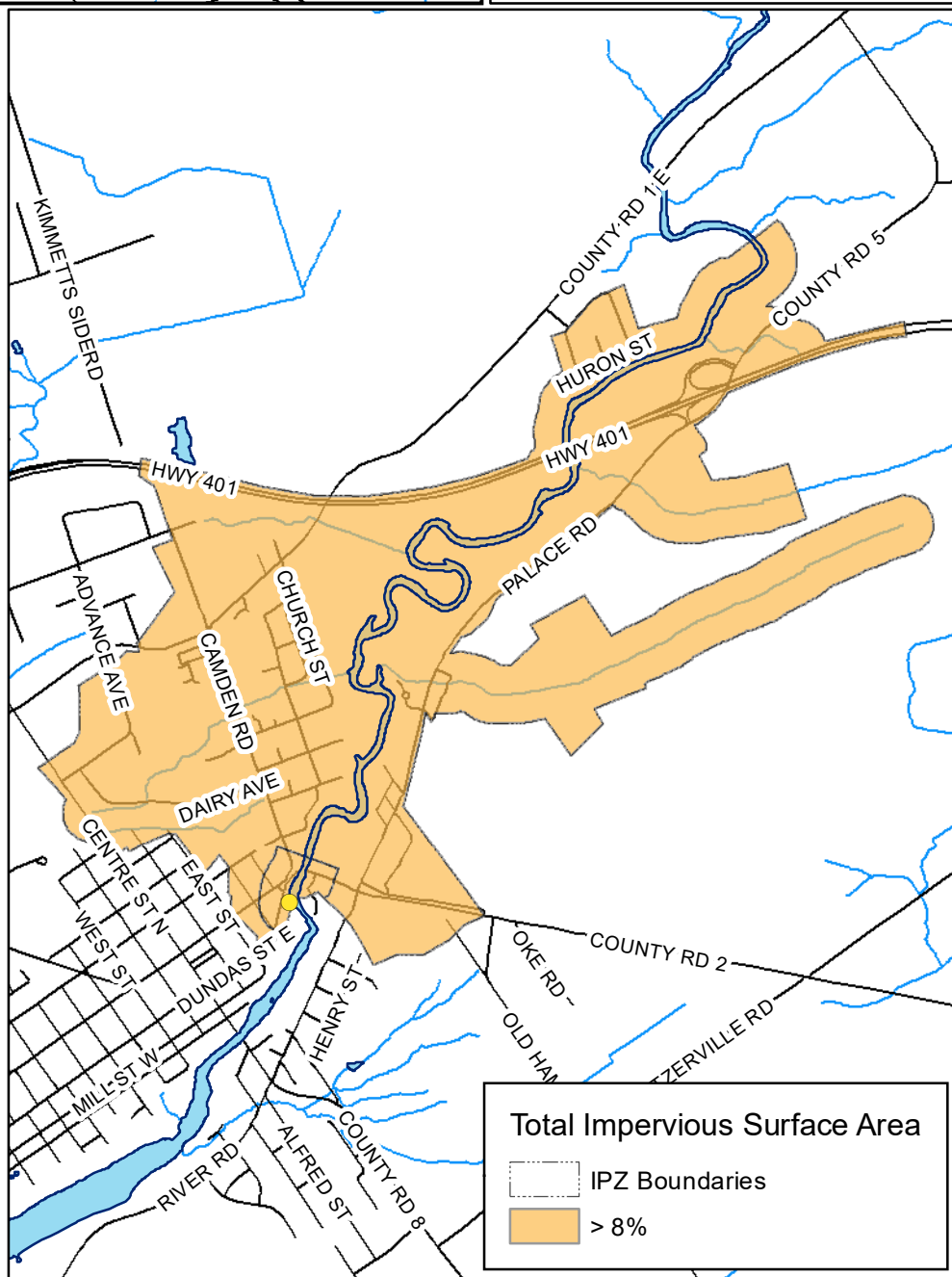
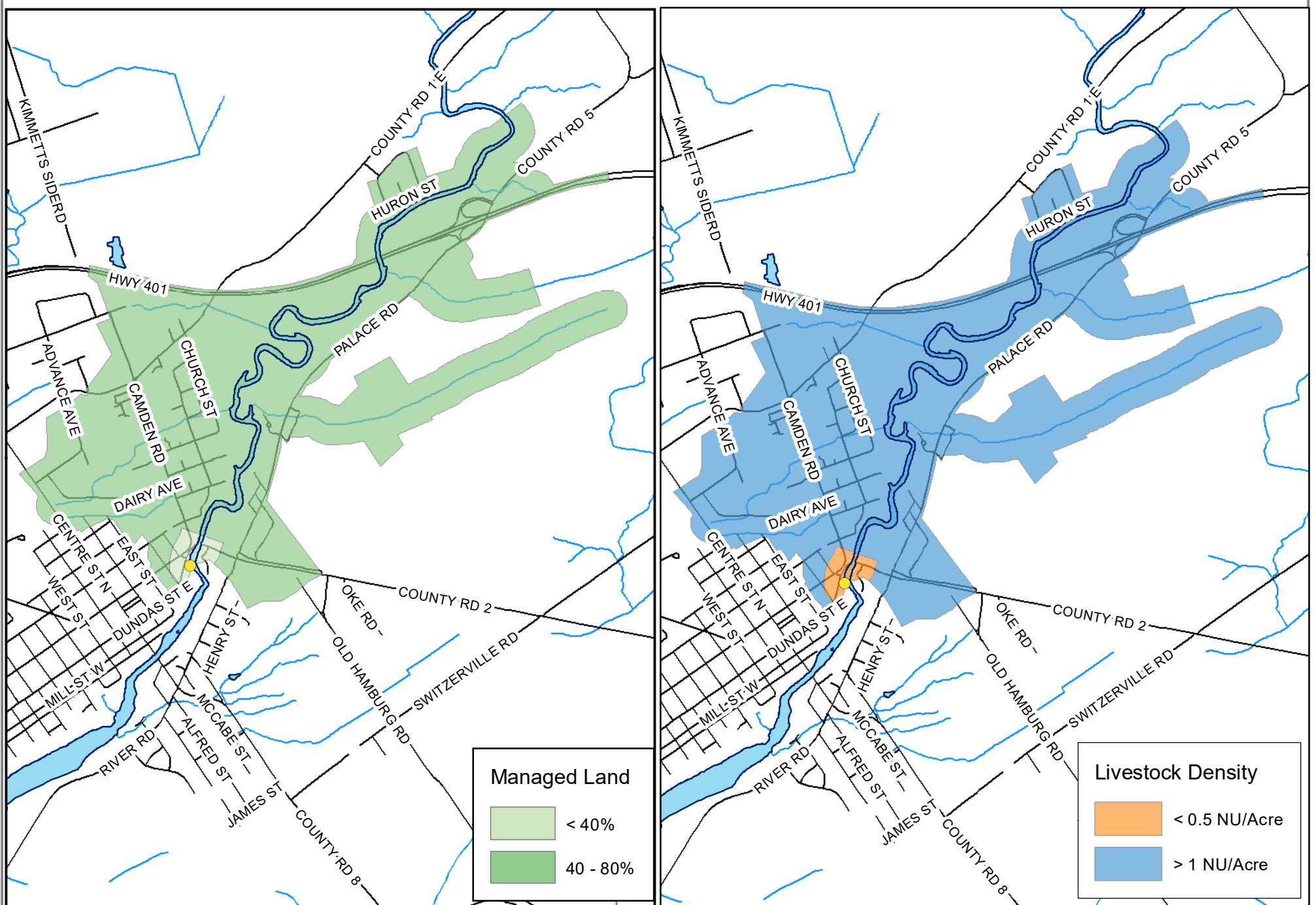


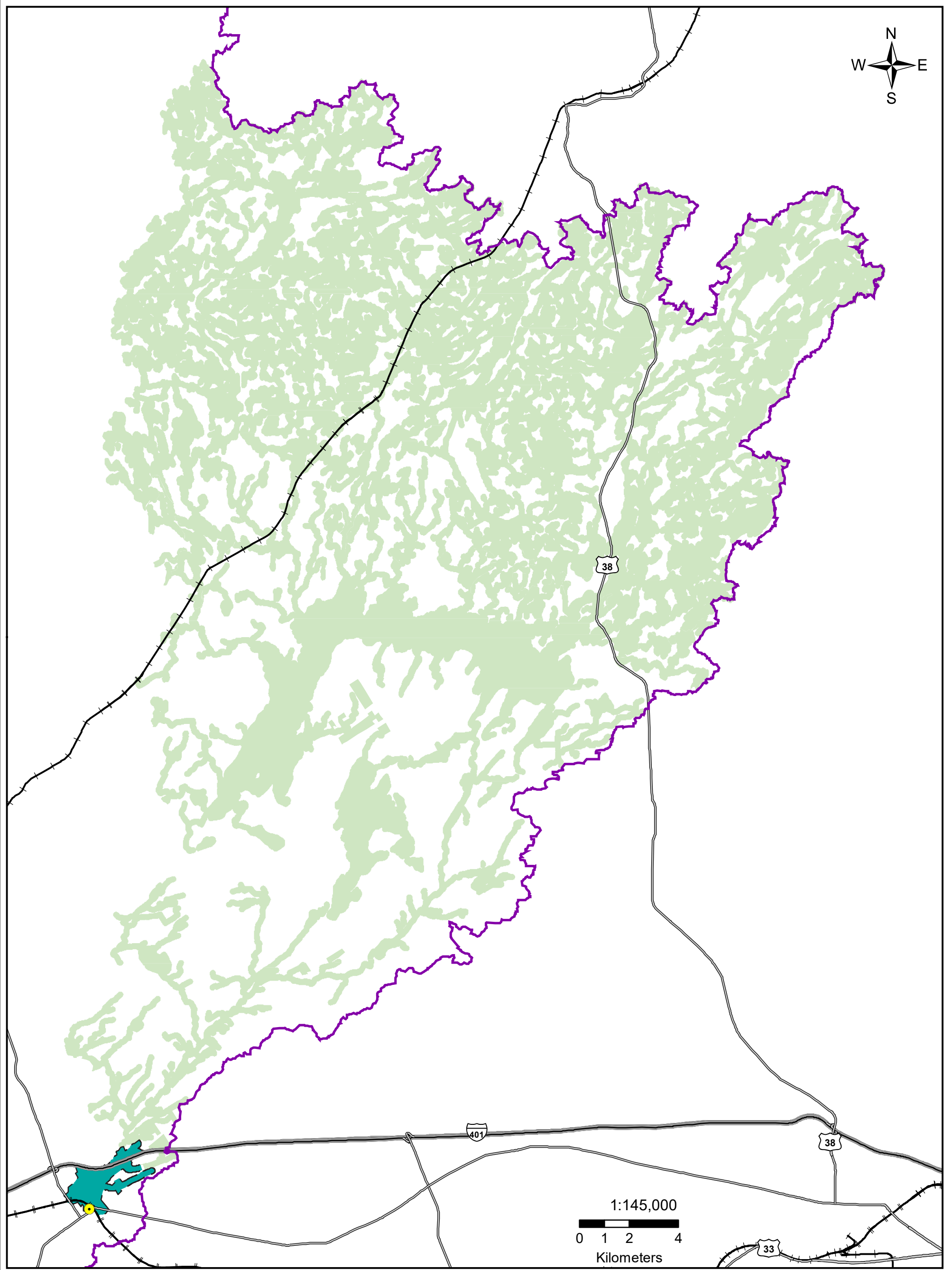

Moira River, Napanee Region and Prince Edward Region Watersheds.
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Digital Mapping Sources:
Base Map - Ontario Ministry of Natural Resources
Intake Location - Ministry of the Environment








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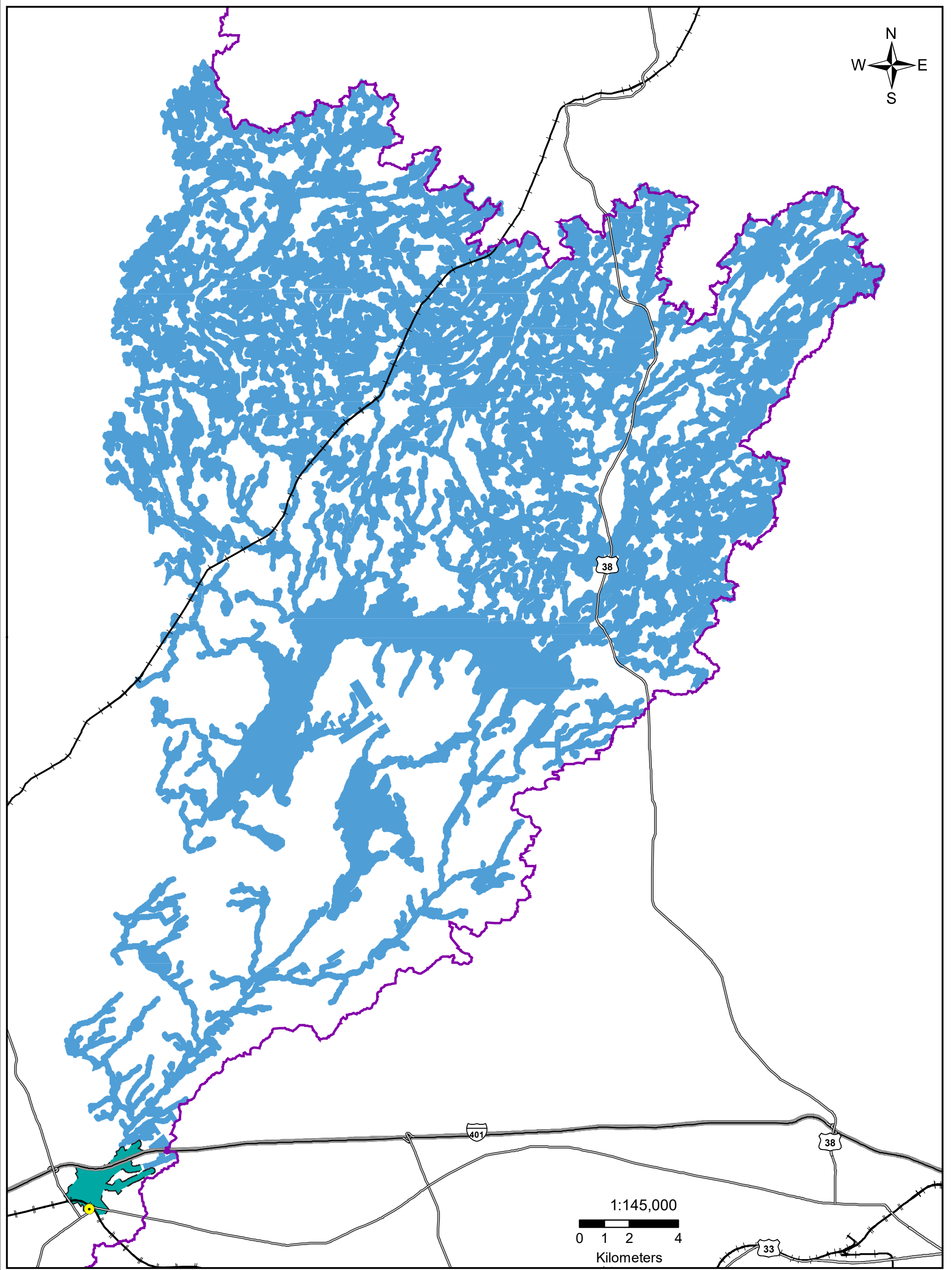



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Legend

	Intake		IPZ 1		Managed Lands < 40%
	Highways		IPZ 2		Quinte Region
	Highway 401				

Map 6.38 Napanee IPZ 3a & b Managed Land



Legend

- Intake
- IPZ 1
- Livestock Density > 1 NU/Acre
- IPZ 2
- Quinte Region
- Highways
- Highway 401

Map 6.39
Napanee IPZ 3a & b Livestock Density

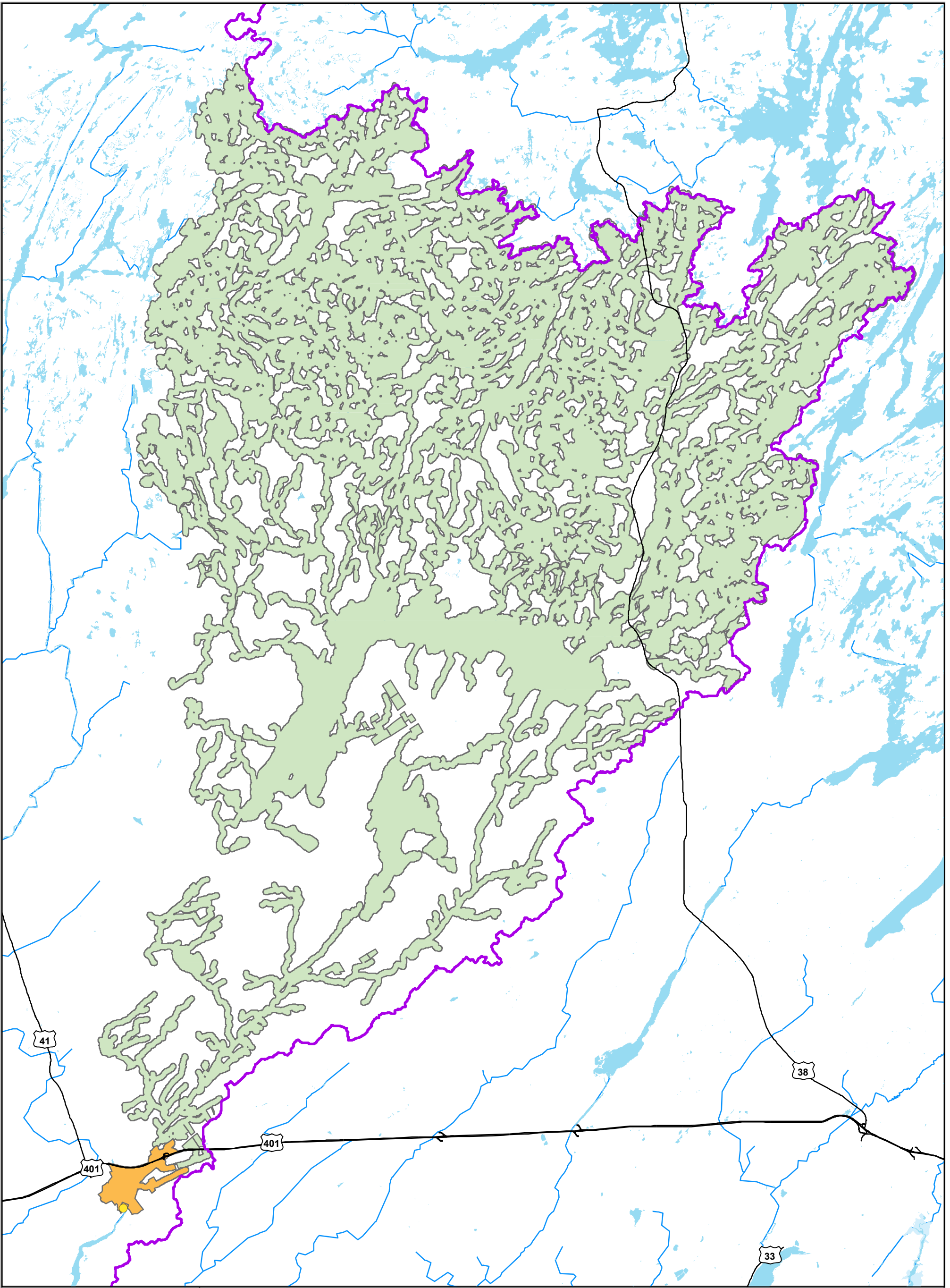


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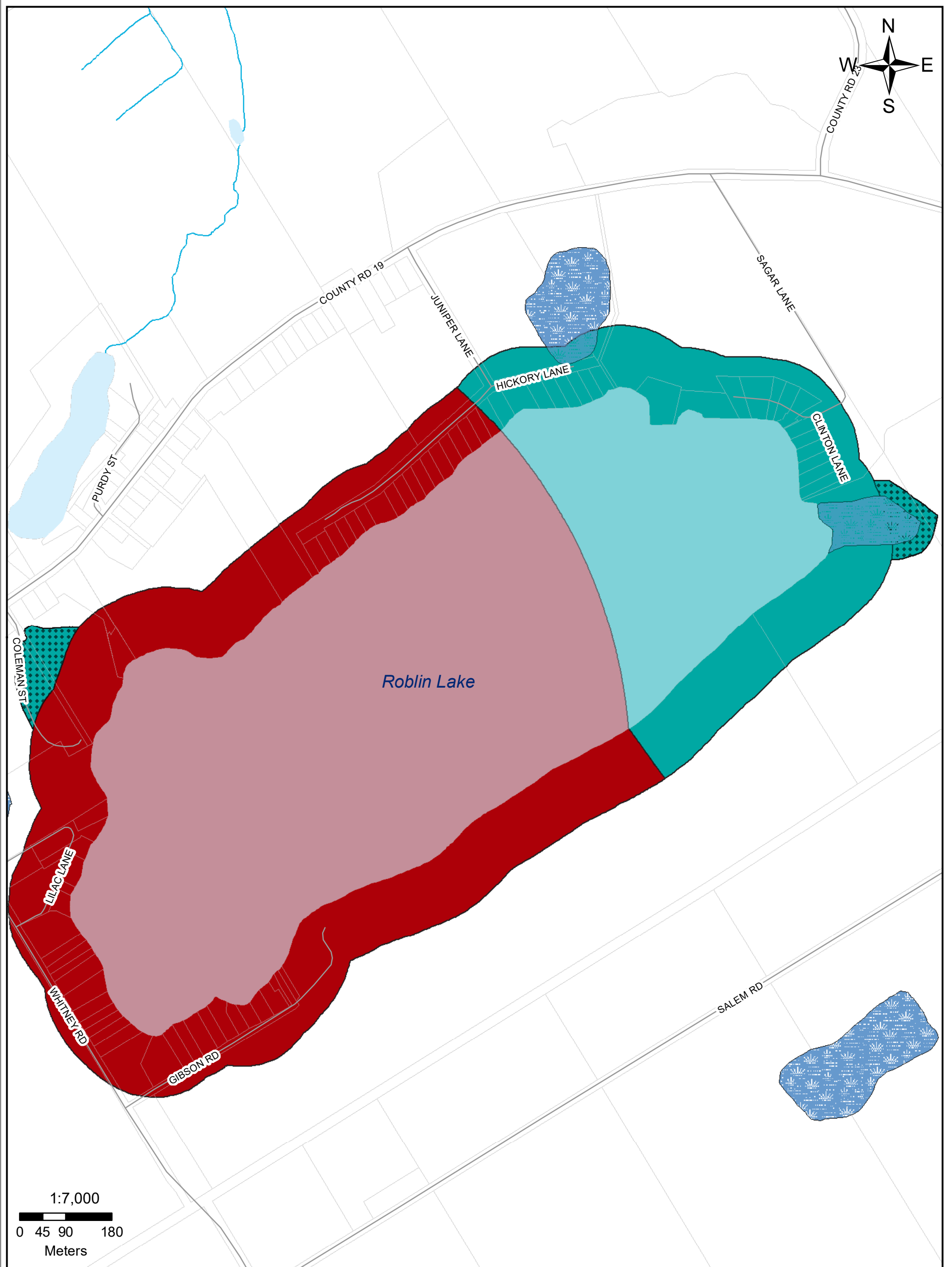


Legend

- Intakes
- < 1%
- Quinte Watershed
- Highways
- > 8%

Map 6.40 Napanee Intake Protection Zone 3 a & b Impervious Surface Area

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Legend

- Intakes
- Water Courses
- Waterbody
- Wetland Area
- IPZ 1
- IPZ 2
- Parcels
- Transport Pathway

Map 6.41 Ameliasburgh Intake Protection Zones

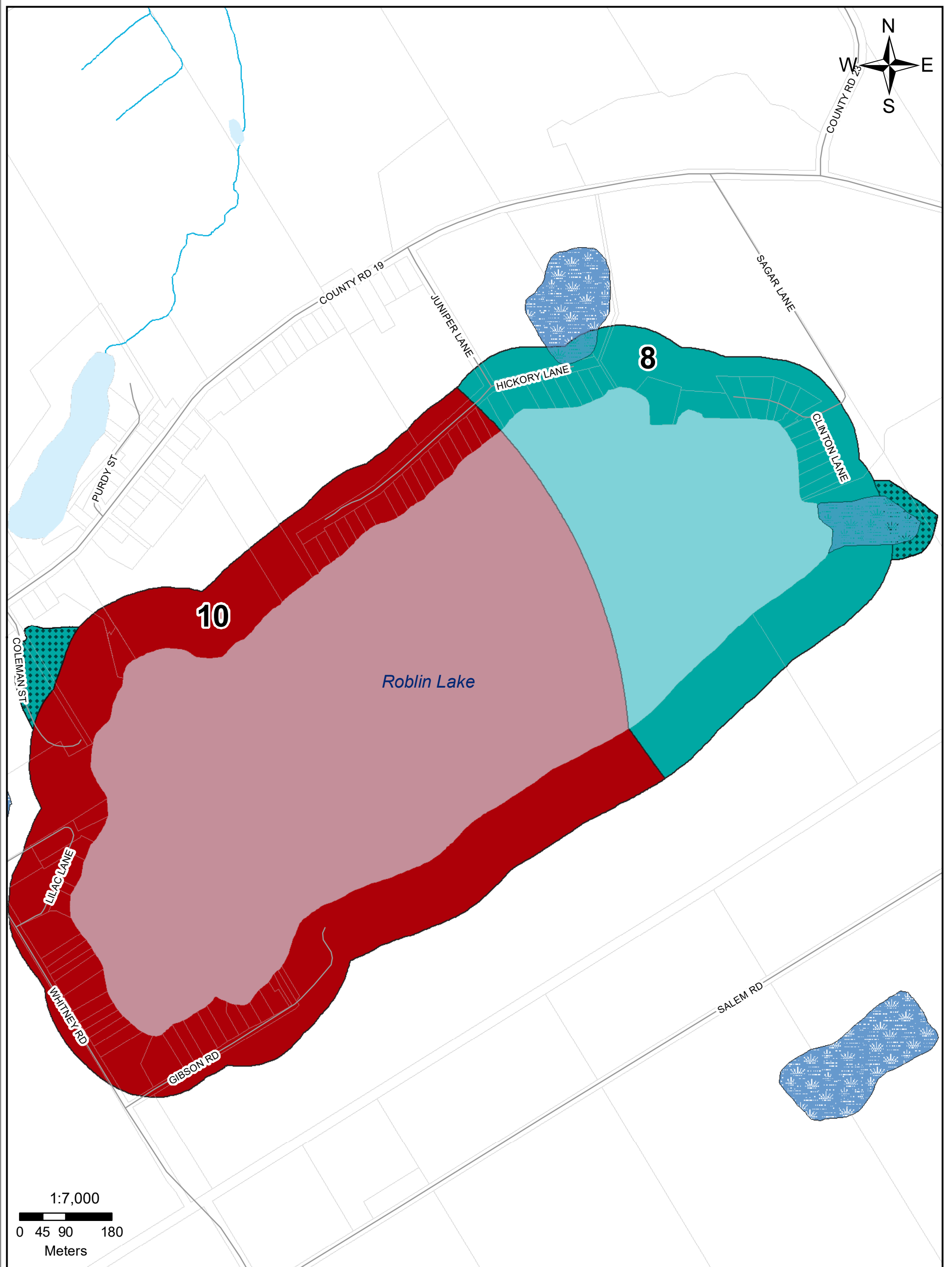


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 Intake Location - Ministry of the Environment

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Legend

- Intakes
- Waterbody
- Vulnerability = 10
- Parcels
- Water Course
- Wetland
- Vulnerability = 8
- Transport Pathway

Map 6.42 Ameliasburgh IPZ Vulnerability

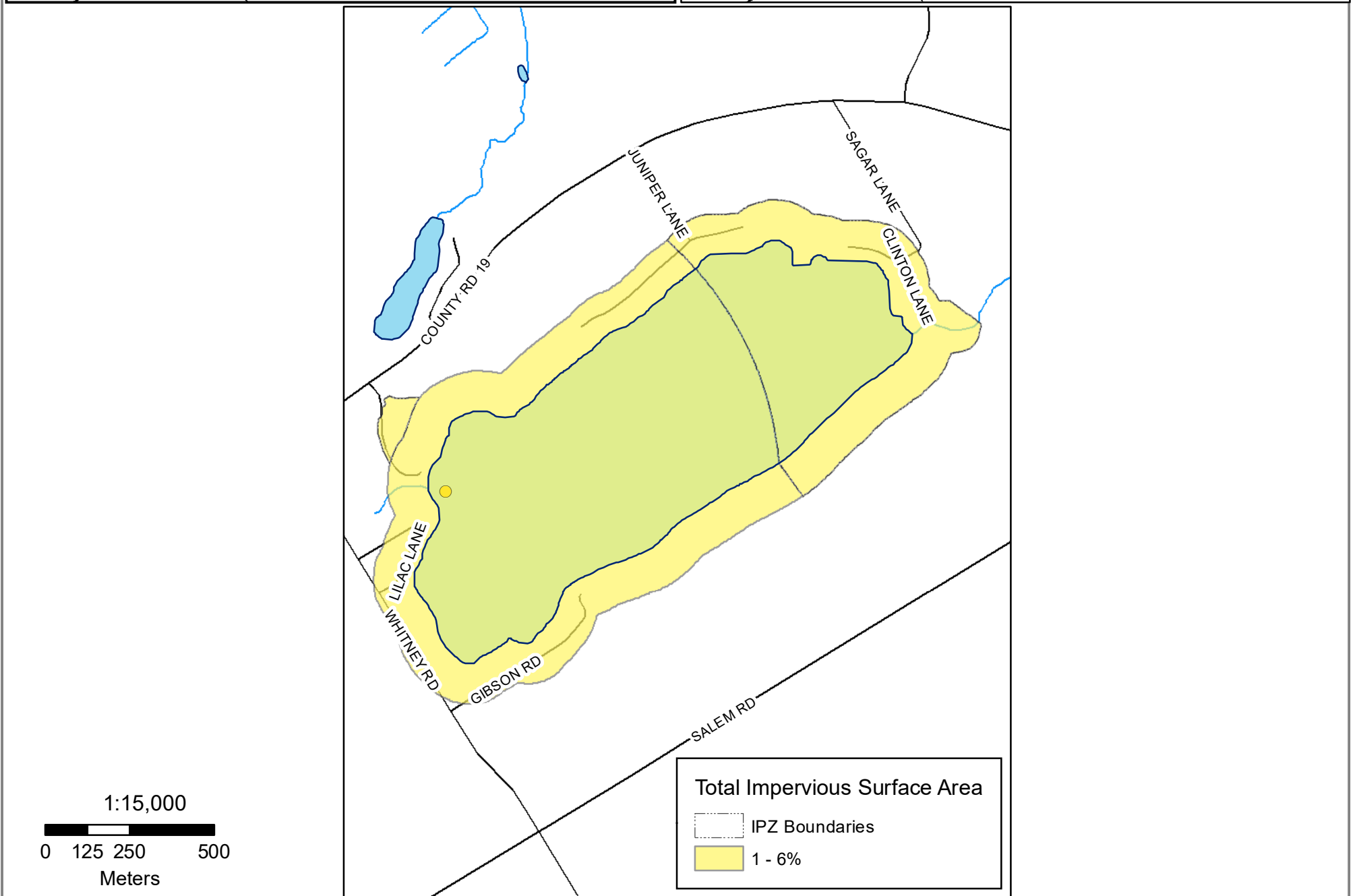
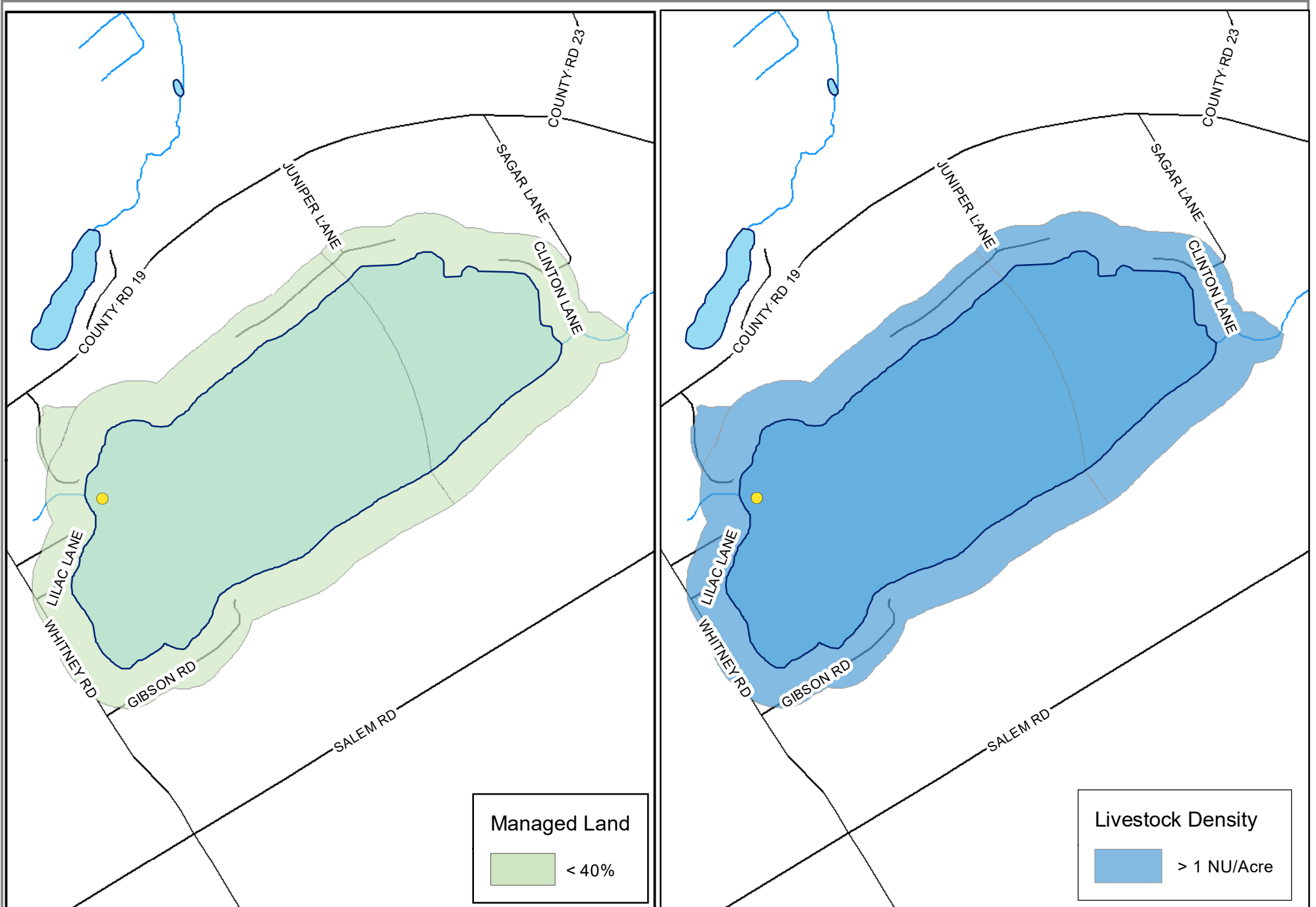



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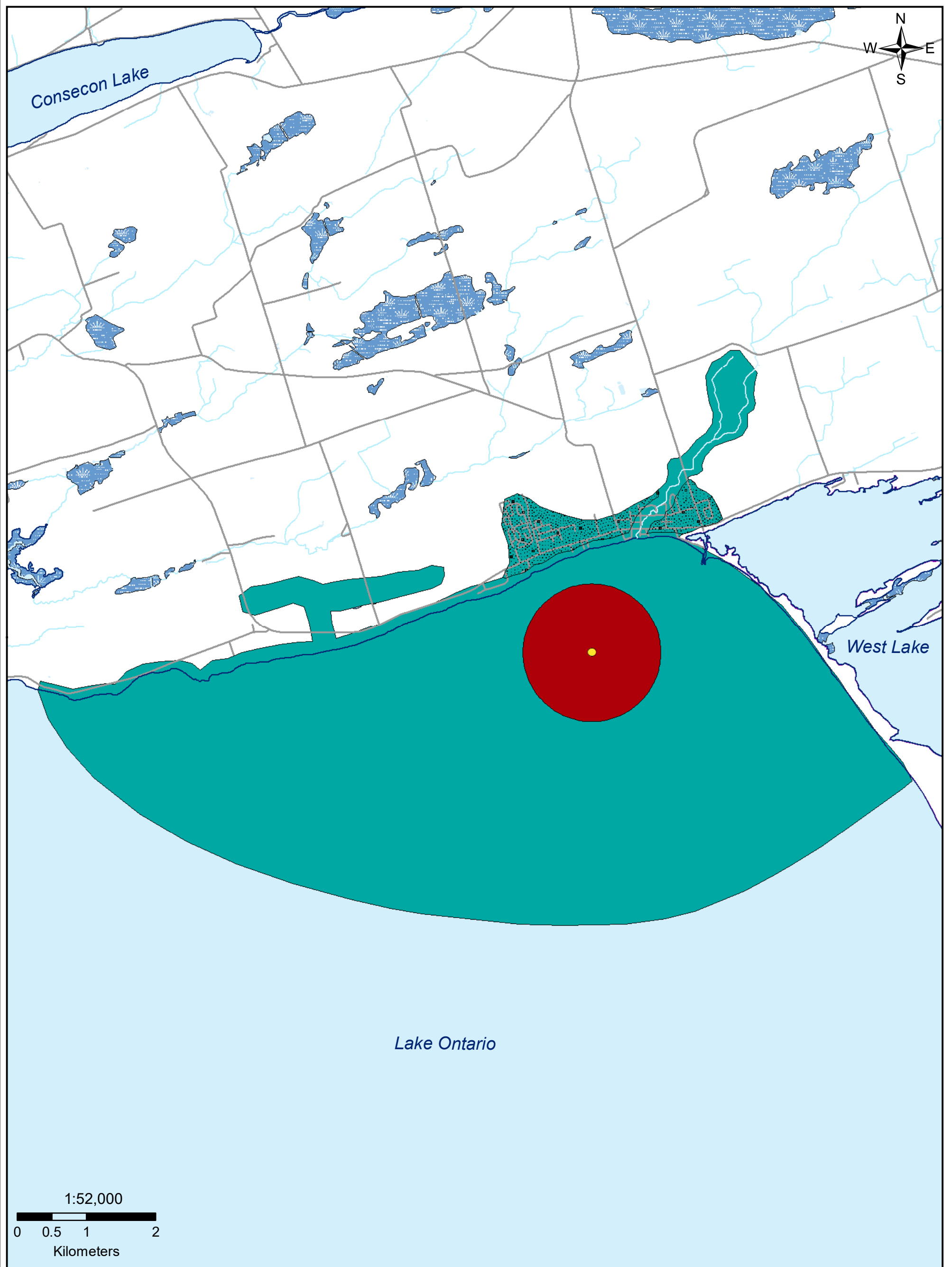

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Legend

- Intakes
- Shoreline
- Roads

**Map 6.43 Ameliasburgh Intake Protection Zone
Managed Land, Livestock Density & Impervious
Surface Area**








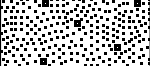



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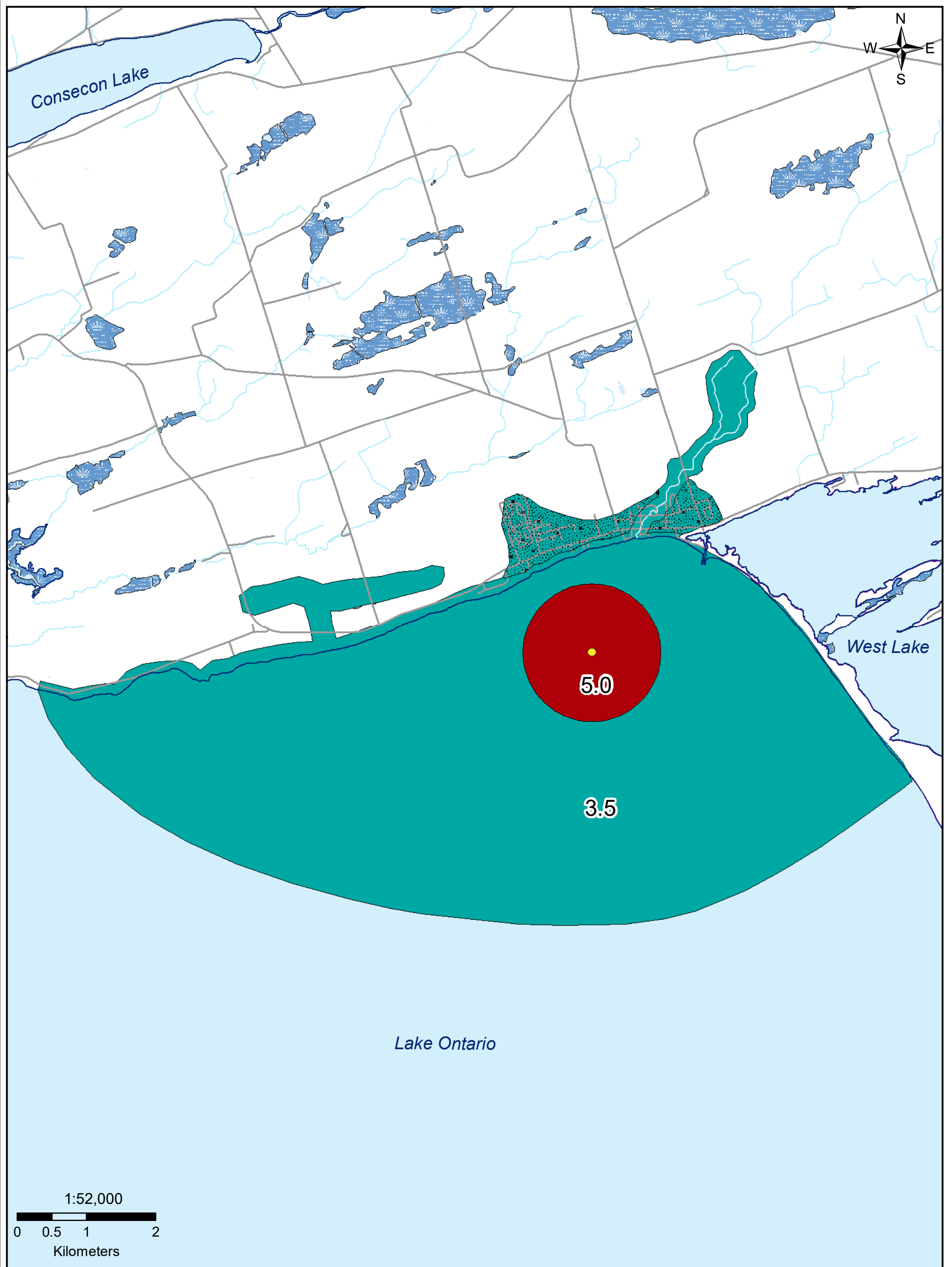

Digital Mapping Sources:
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 Intake Location - Ministry of the Environment

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Legend

	Intakes		Shoreline		IP Zone 2
	Water Courses		IP Zone 1		Sewershed

Map 6.44 Wellington Intake Protection Zones

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 Intake Location - Ministry of the Environment

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Legend

- Intakes
- Shoreline
- Vulnerability = 3.5
- Water Courses
- Vulnerability = 5.0
- Sewershed

Map 6.45 Wellington IPZ Vulnerability