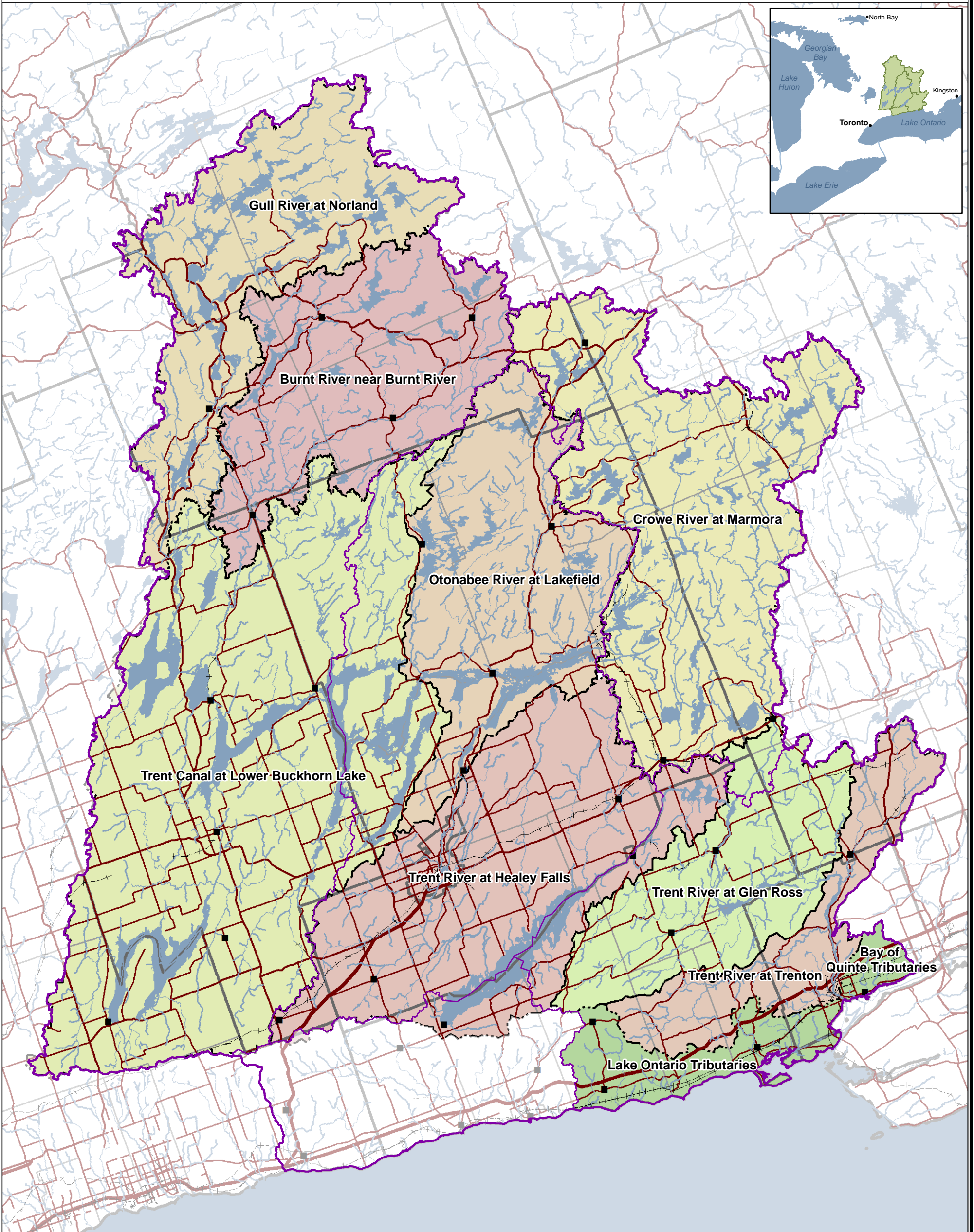


# Trent River Watershed

## Conceptual Subwatersheds



This map has been prepared for the purpose of meeting the provincial requirements under the Clean Water Act, 2006. If it is proposed to use it for another purpose, it would be advisable to first consult with the responsible conservation authority.

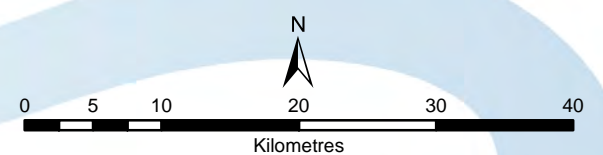
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OTHER DATA SOURCES:  
Conceptual Water Budget Subwatersheds: Trent Conservation Coalition



### Legend

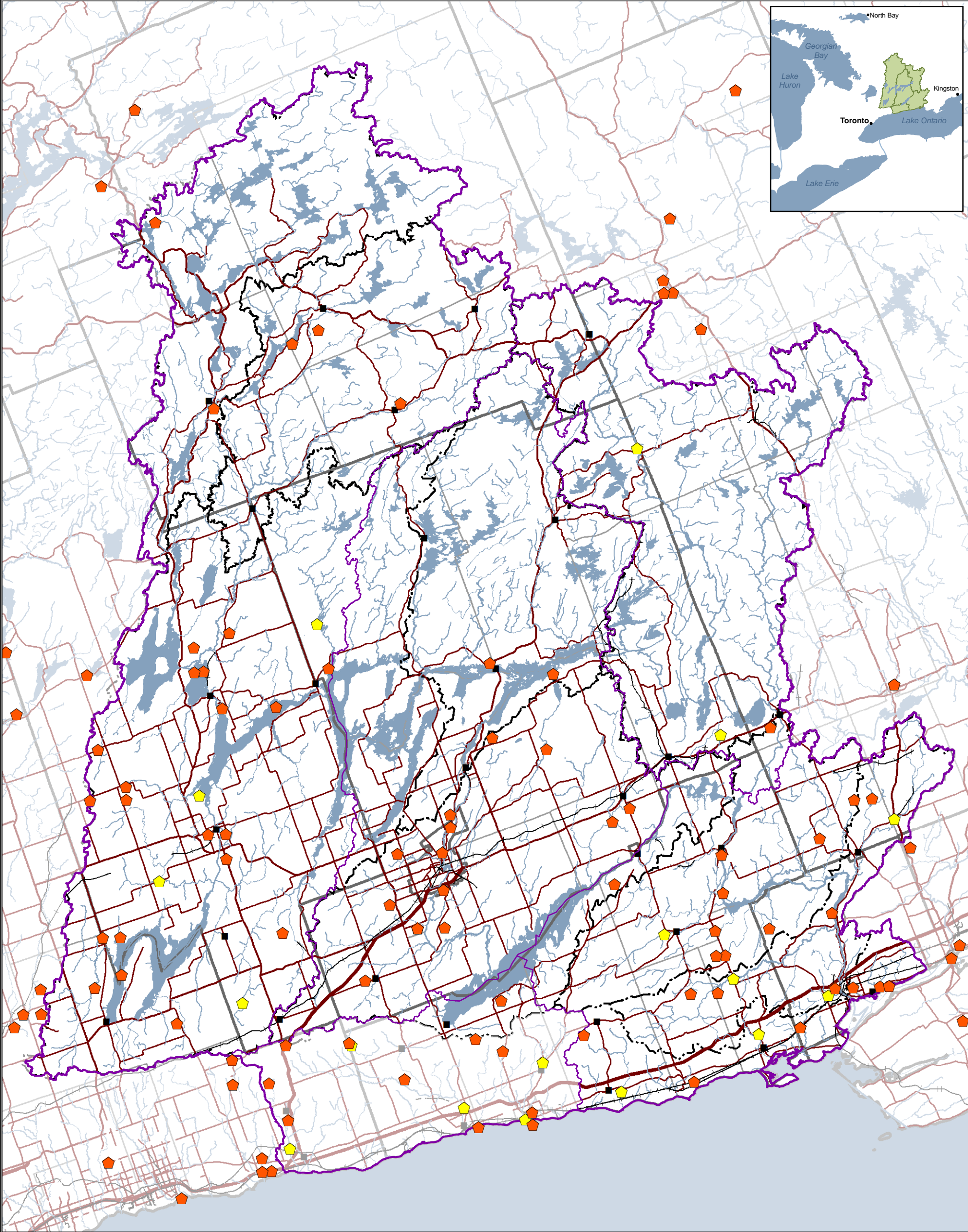
- Settlements
- +— Railways
- Watercourse
- Roads
- Highways
- Multi Lane Highways
- Source Protection Region
- Source Protection Areas
- Conceptual Water Budget Subwatersheds
- Upper and Single Tier Municipality
- Lower Tier Municipality
- Waterbody



**Trent Conservation Coalition**  
**Source Protection Region**

[www.trentsourceprotection.on.ca](http://www.trentsourceprotection.on.ca)





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OTHER DATA SOURCES:  
Conceptual Water Budget Subwatersheds: Trent Conservation Coalition

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Legend

- Settlements
- Railway
- Watercourse
- Roads
- Highways
- Multi Lane Highway
- Conceptual Water Budget Subwatersheds
- Source Protection Region
- Source Protection Areas
- Upper and Single Tier Municipality
- Lower Tier Municipality
- Waterbody

Climate Stations

- Environment Canada
- Conservation Authorities

0 5 10 20 30 40

Kilometres

N

Trent Conservation Coalition

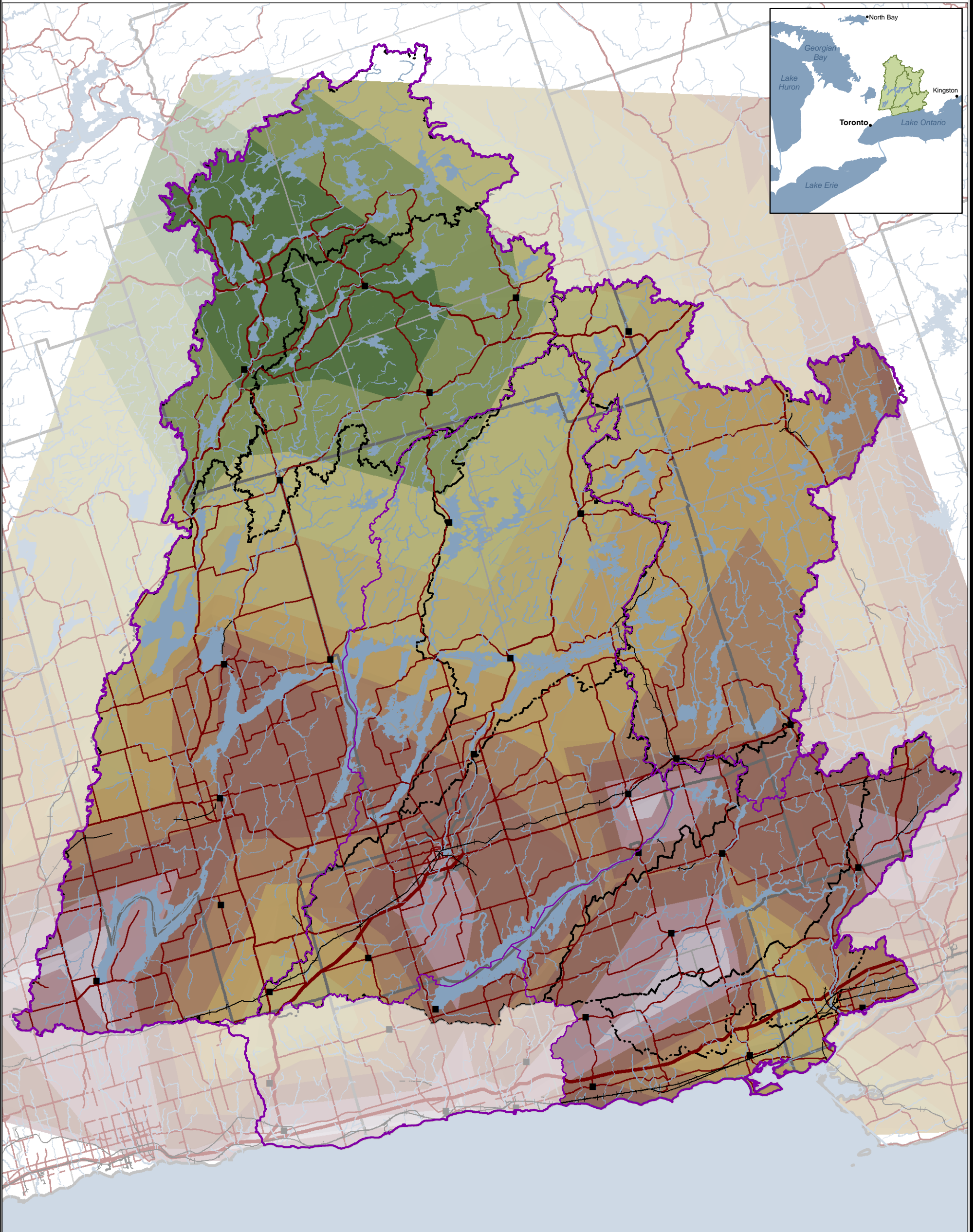
Source Protection Region

www.trentsourceprotection.on.ca



# Trent River Watershed

## Average Annual Precipitation Surface



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OTHER DATA SOURCES:  
Conceptual Water Budget Subwatersheds: Trent Conservation Coalition

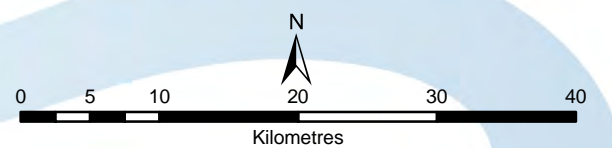


### Legend

- Settlements
- Railway
- Watercourse
- Roads
- Highways
- Multi Lane Highway
- Conceptual Water Budget Subwatersheds
- Source Protection Region
- Source Protection Areas
- Upper and Single Tier Municipality
- Lower Tier Municipality
- Waterbody

### Average Annual Precipitation (mm)

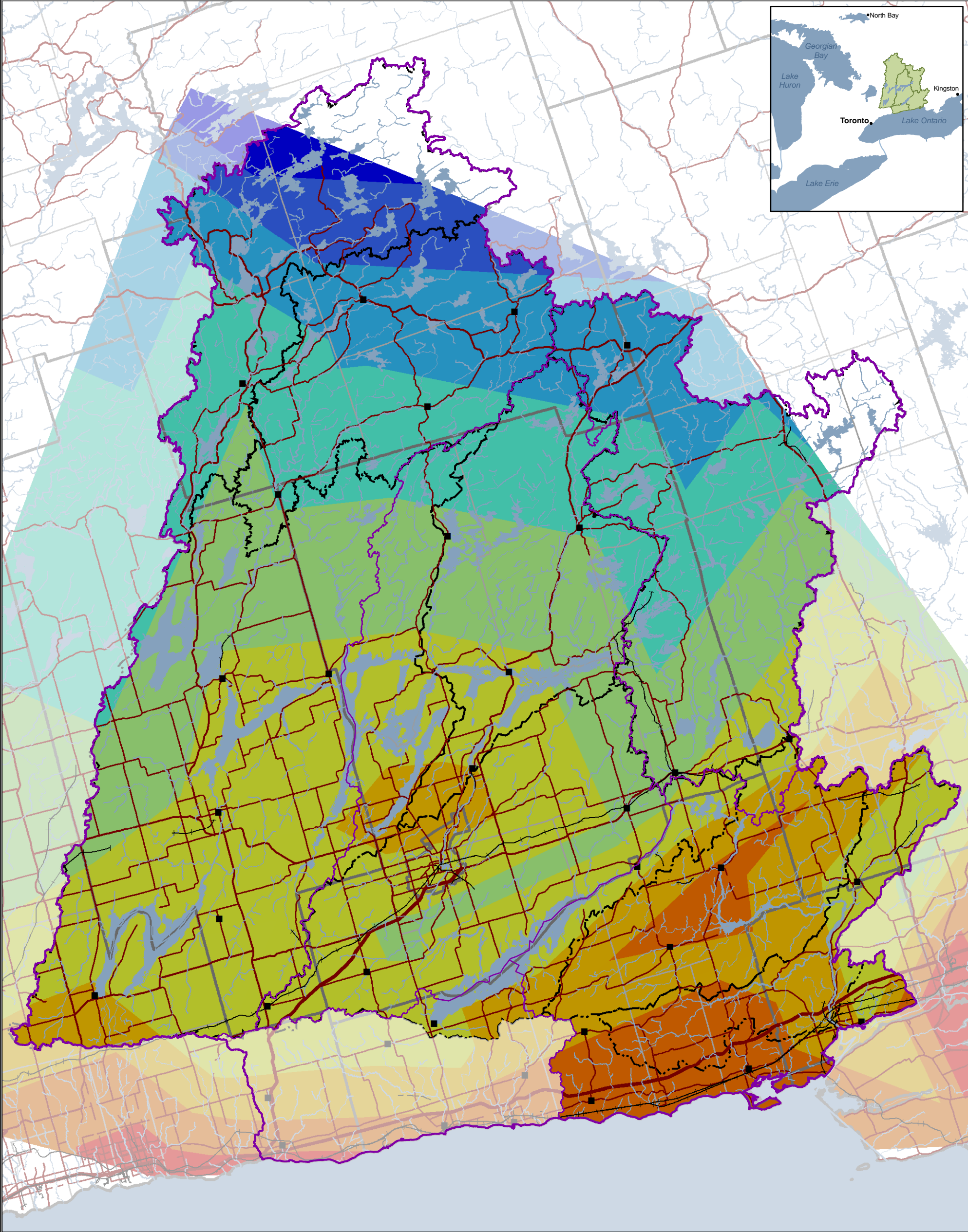
- 1059 - 1092
- 1026 - 1059
- 994 - 1026
- 961 - 994
- 928 - 961
- 895 - 928
- 862 - 895
- 830 - 862
- 797 - 830



**Trent Conservation Coalition**  
**Source Protection Region**

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OTHER DATA SOURCES:  
Conceptual Water Budget Subwatersheds: Trent Conservation Coalition

Ontario

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■

Settlements

—

Railway

—

Watercourse

—

Roads

—

Highways

—

Multi Lane Highway

—

Conceptual Water Budget Subwatersheds

—

Source Protection Region

—

Source Protection Areas

—

Upper and Single Tier Municipality

—

Lower Tier Municipality

—

Waterbody

Average Annual Temperature (°C)

7.8 - 8.4

7.3 - 7.8

6.8 - 7.3

6.3 - 6.8

5.8 - 6.3

5.3 - 5.8

4.7 - 5.3

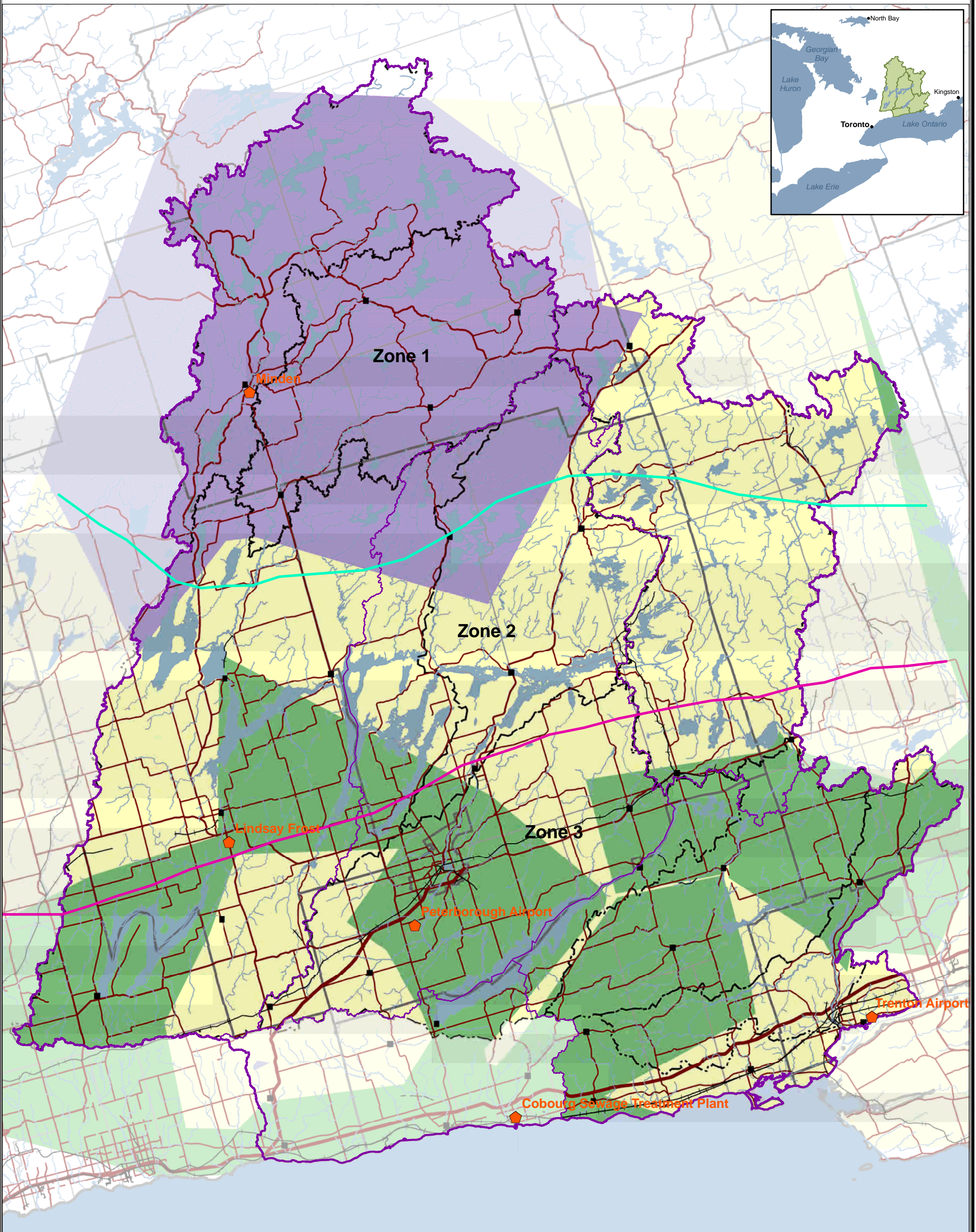
4.2 - 4.7

3.7 - 4.2



# Trent River Watershed

## Zones of Uniform Meterology (A)



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OTHER DATA SOURCES:  
Conceptual Water Budget Subwatersheds: Trent Conservation Coalition

### Legend

- Settlements
- Railway
- Watercourse
- Roads
- Highways
- Multi Lane Highway
- Source Protection Region
- Source Protection Areas
- Conceptual Water Budget Subwatersheds
- Upper and Single Tier Municipality
- Lower Tier Municipality
- Waterbody

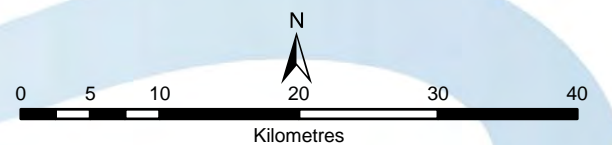
### Representative Climate Station

### Proposed Meteorological Zones

- Zone 1 - Zone 2 Boundary
- Zone 2 - Zone 3 Boundary

### Average Annual Precipitation (mm)

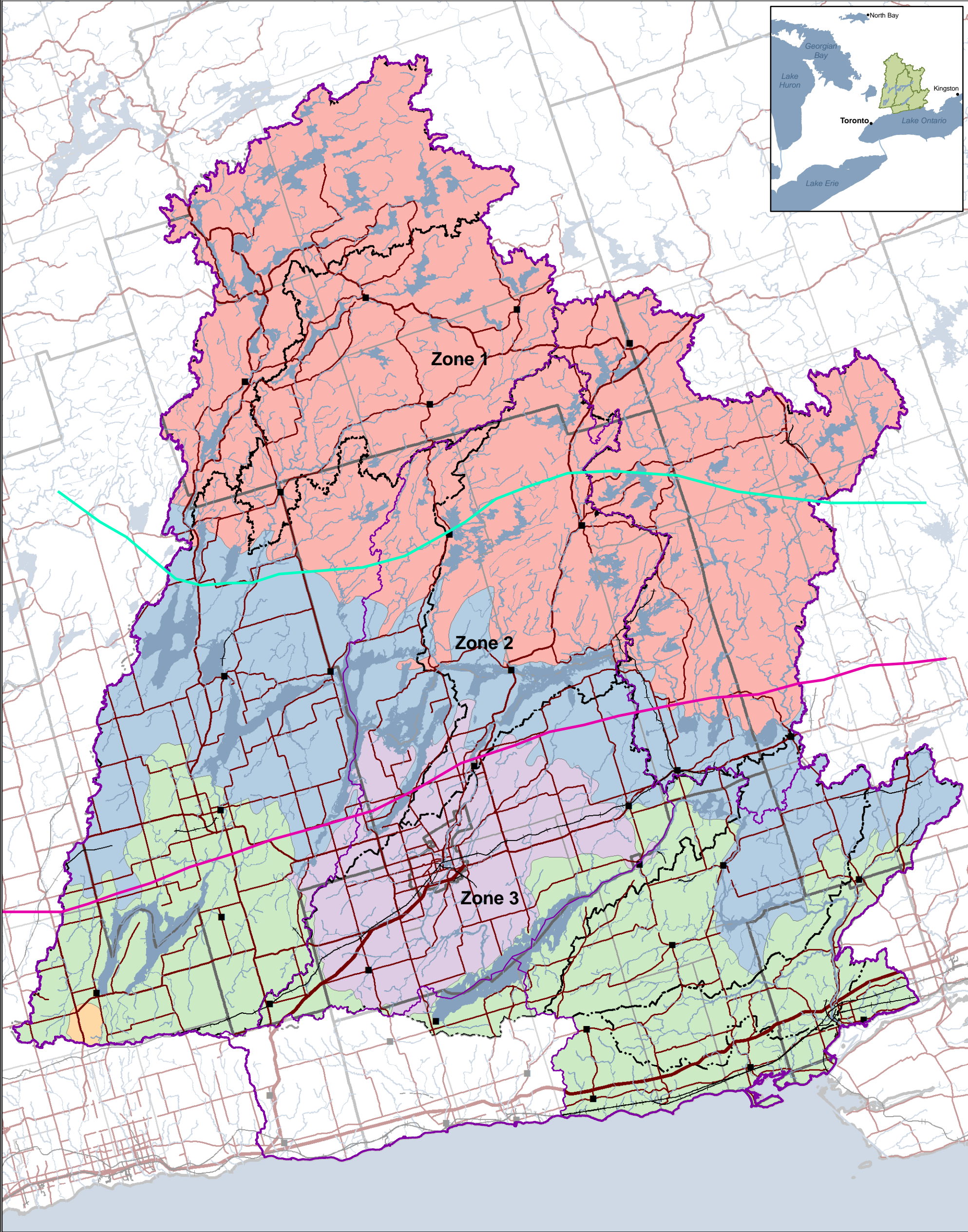
- 993 - 1092
- 895 - 993
- 797 - 895



**Trent Conservation Coalition**  
**Source Protection Region**

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OTHER DATA SOURCES:  
Conceptual Water Budget Subwatersheds: Trent Conservation Coalition

Ontario

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■

Settlements

—

Railway

—

Watercourse

—

Roads

—

Highways

—

Multi Lane Highway

—

Conceptual Water Budget Subwatersheds

—

Source Protection Region

—

Source Protection Areas

—

Upper and Single Tier Municipality

—

Lower Tier Municipality

—

Waterbody

Proposed Meterological Zones

—

Zone 1 - Zone 2 Boundary

—

Zone 2 - Zone 3 Boundary

Ecodistrict

413

552

553

554

561

Trent Conservation Coalition

Source Protection Region

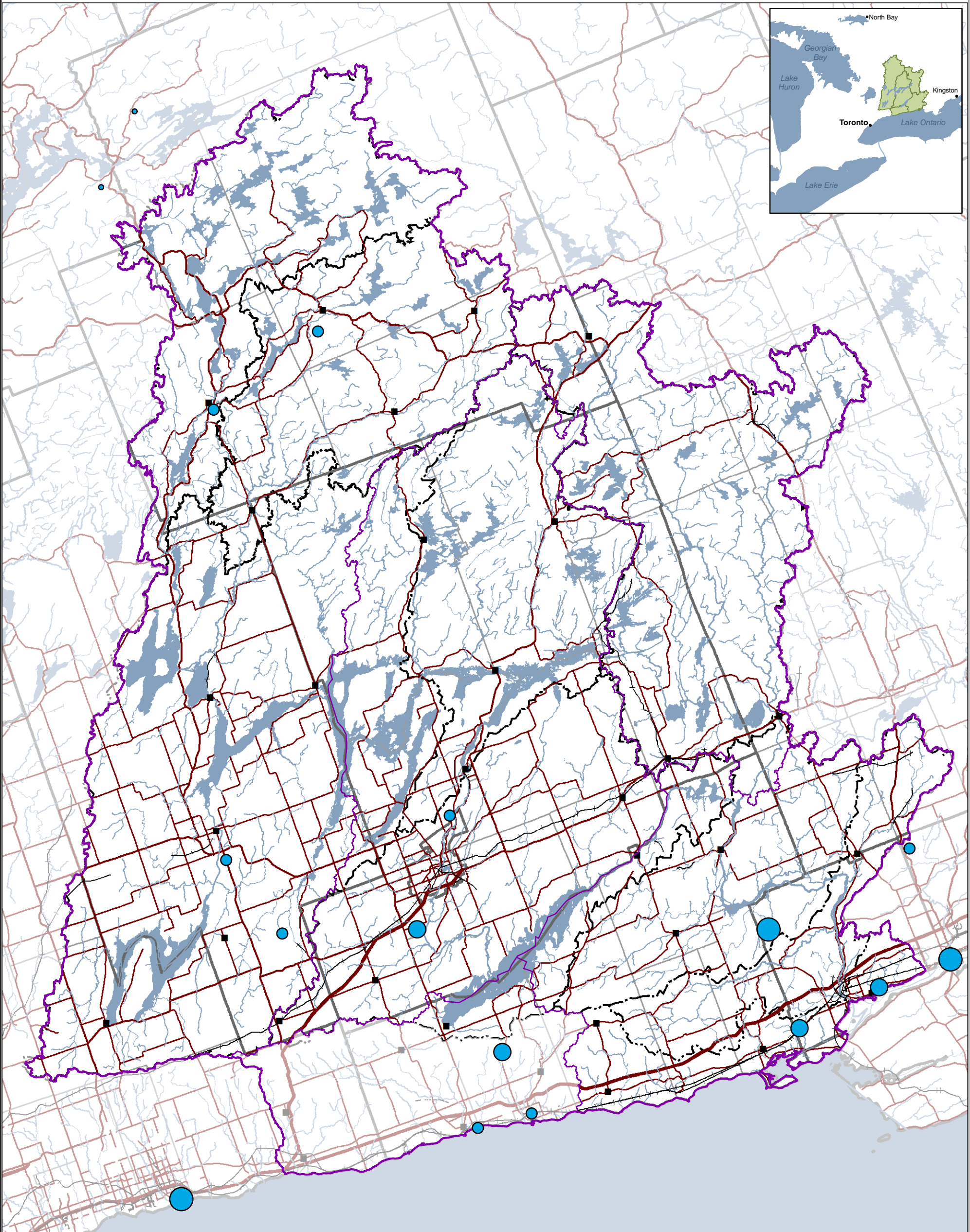
[www.trentsourceprotection.on.ca](http://www.trentsourceprotection.on.ca)

Trent Assessment Report Map 3-6



# Trent River Watershed

## Average Annual Evapotranspiration



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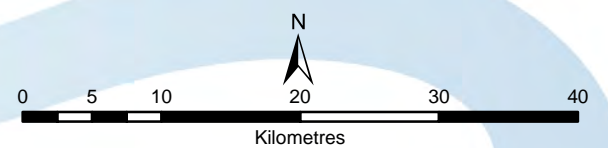
OTHER DATA SOURCES:  
Conceptual Water Budget Subwatersheds: Trent Conservation Coalition

### Legend

- Settlements
- Railway
- Watercourse
- Roads
- Highways
- Multi Lane Highway
- Source Protection Region
- Source Protection Areas
- Conceptual Water Budget Subwatersheds
- Upper and Single Tier Municipality
- Lower Tier Municipality
- Waterbody

### Mean Annual Potential Evapotranspiration (mm)

- 469 - 500
- 501 - 550
- 551 - 570
- 571 - 590



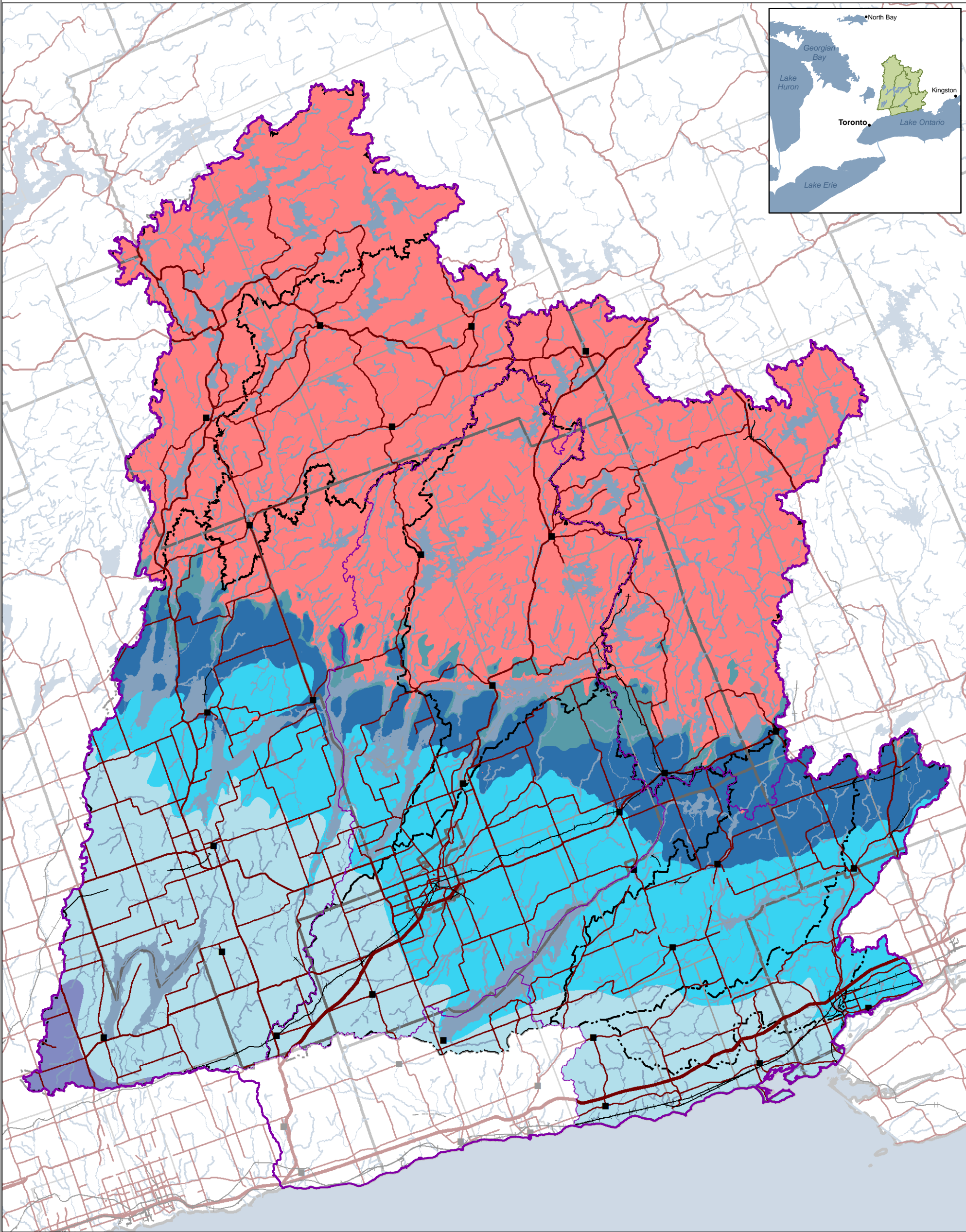
Trent Conservation Coalition  
Source Protection Region

[www.trentsourceprotection.on.ca](http://www.trentsourceprotection.on.ca)



Trent River Watershed

Bedrock Geology



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OTHER DATA SOURCES:  
 Conceptual Water Budget Subwatersheds: Trent Conservation Coalition

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**Legend**

- Settlements
- Railway
- Watercourse
- Roads
- Highways
- Multi Lane Highway
- Source Protection Region
- Source Protection Areas
- Upper and Single Tier Municipality
- Lower Tier Municipality
- Conceptual Water Budget Subwatersheds
- Waterbody

**Bedrock Geology (Formations)**

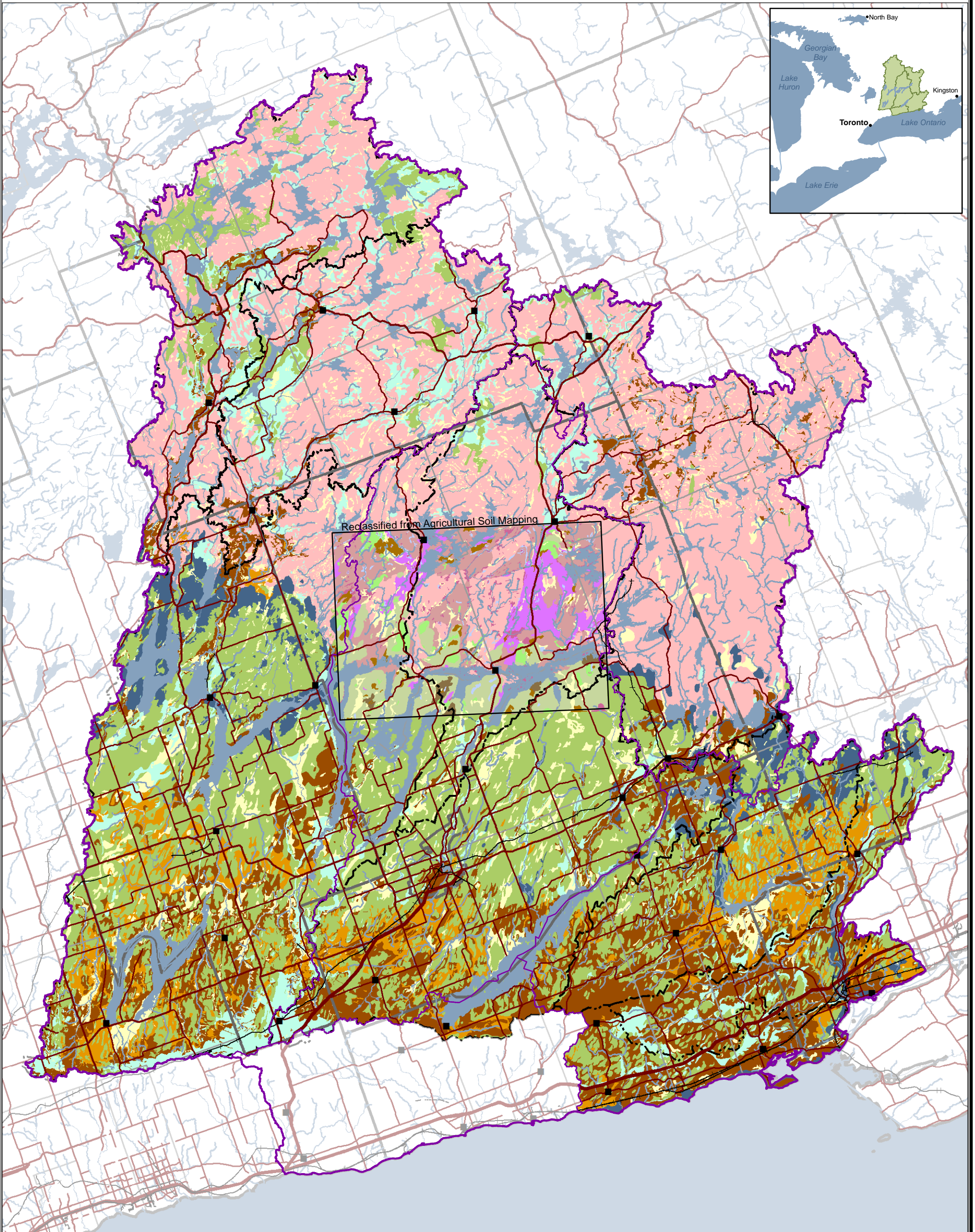
- 1: Precambrian
- 7: Shadow Lake
- 8: Gull River
- 9: Bobcaygeon
- 10: Verulam
- 11: Lindsay
- 12: Blue Mountain

**Trent Conservation Coalition**  
**Source Protection Region**  
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# Trent River Watershed

## Surficial Geology



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OTHER DATA SOURCES:  
Conceptual Water Budget Subwatersheds: Trent Conservation Coalition  
\*Conservation Authorities Moraine Coalition / York-Peel-Durham-Toronto (2009).  
Agricultural soil mapping from the Ontario Ministry of Agriculture, Food, and Rural Affairs reclassified to Ontario Geological Survey geological units.

**Legend**

- Settlements
- Railway
- Watercourse
- Roads
- Highways
- Multi Lane Highways
- Conceptual Water Budget Subwatersheds
- Source Protection Region
- Source Protection Areas
- Upper and Single Tier Municipality
- Lower Tier Municipality
- Waterbody

**Ontario Geological Survey**

- Paleozoic Bedrock
- Precambrian Bedrock
- diamicton
- fill
- gravel
- organic deposits
- sand
- silt

**CAMC-YPDT\***

- Bedrock drift complex
- Bog and swamp deposits
- Diamicton sandy
- Diamicton silty
- Glaciofluvial outwash; Sand
- Glaciolacustrine; Silt
- Kame
- Organic deposits
- Precambrian Bedrock

0 5 10 20 30 40  
Kilometres

**Trent Conservation Coalition  
Source Protection Region**

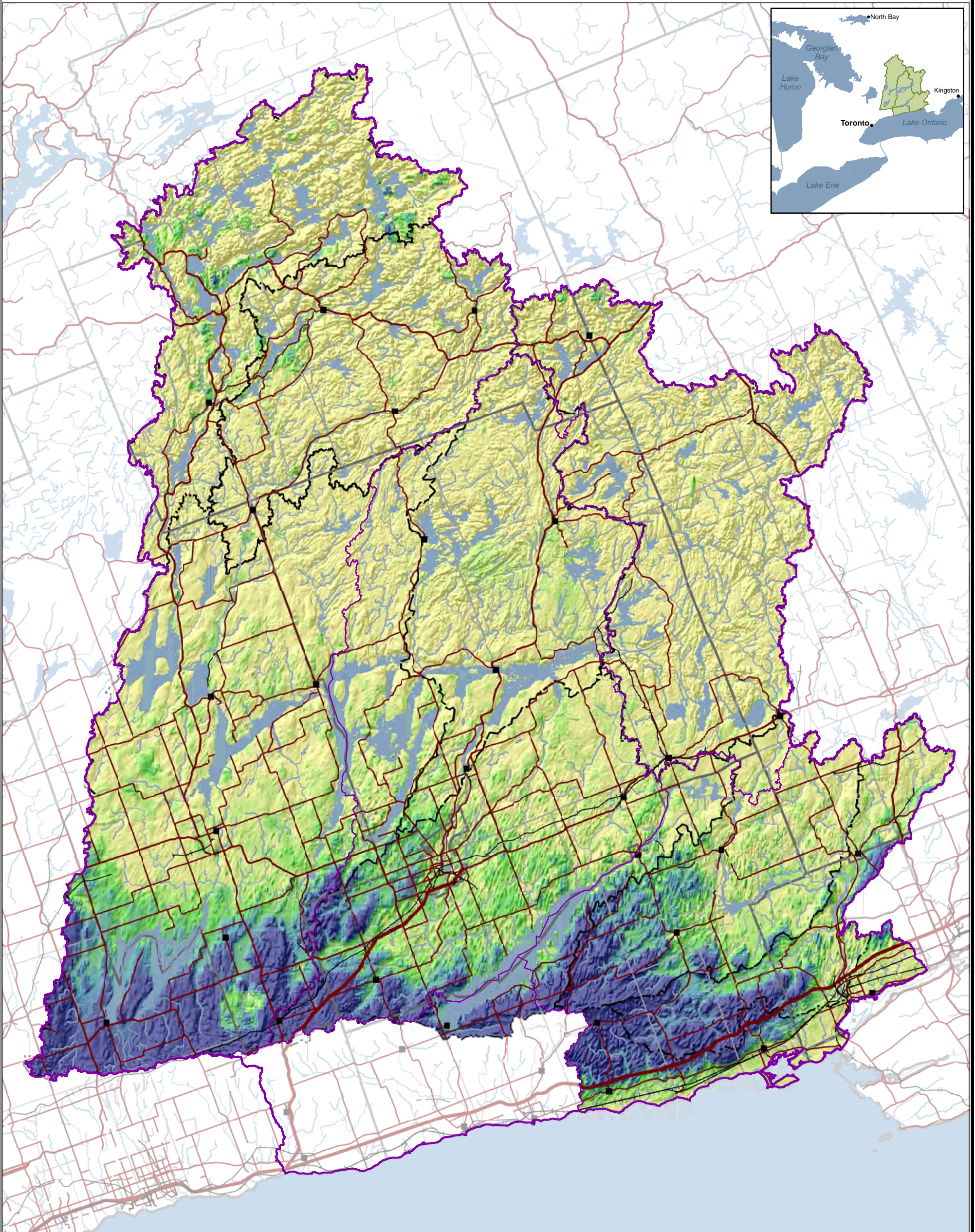
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Ontario  
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# Trent River Watershed

## Overburden Thickness



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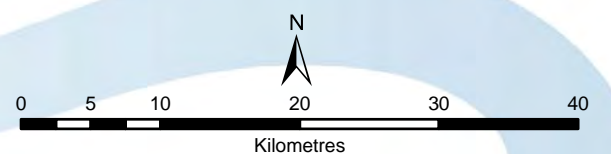
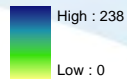
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OTHER DATA SOURCES:  
Conceptual Water Budget Subwatersheds: Trent Conservation Coalition

### Legend

- Settlements
- Railway
- Watercourse
- Roads
- Highways
- Multi Lane Highway
- Source Protection Region
- Source Protection Areas
- Upper and Single Tier Municipality
- Lower Tier Municipality
- Conceptual Water Budget Subwatersheds
- Waterbody

### Overburden Thickness (m)



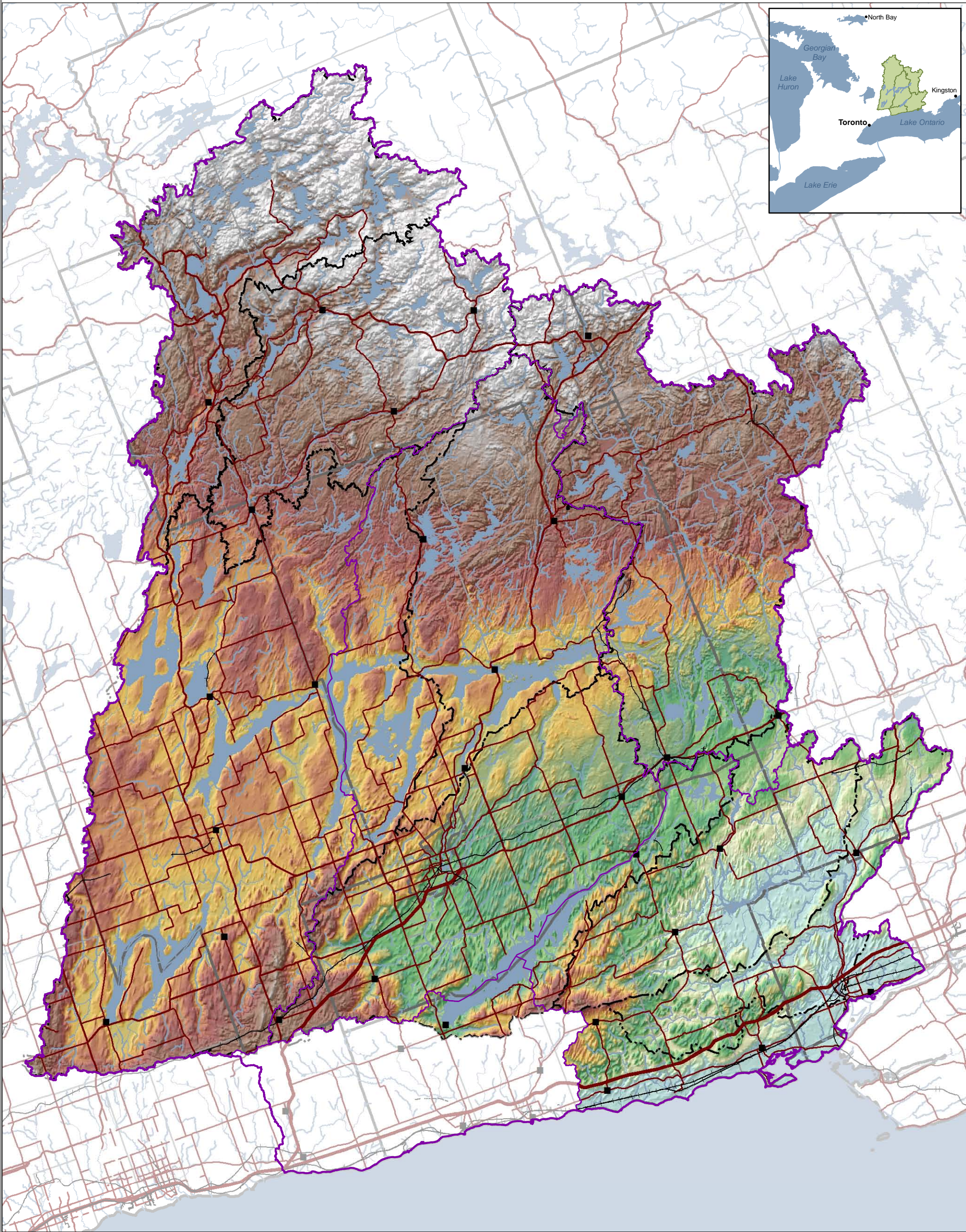
**Trent Conservation Coalition**  
**Source Protection Region**

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Trent River Watershed

Surface Topography



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OTHER DATA SOURCES:  
Conceptual Water Budget Subwatersheds: Trent Conservation Coalition

■

Settlements

—

Railway

—

Watercourse

—

Roads

—

Highways

—

Multi Lane Highway

■

Source Protection Region

■

Source Protection Areas

■

Conceptual Water Budget Subwatersheds

■

Upper and Single Tier Municipality

■

Lower Tier Municipality

■

Waterbody

Surface Elevation (m)

High : 551

Low : 45

0

5

10

20

30

40

Kilometres

N

Trent Conservation Coalition

Source Protection Region

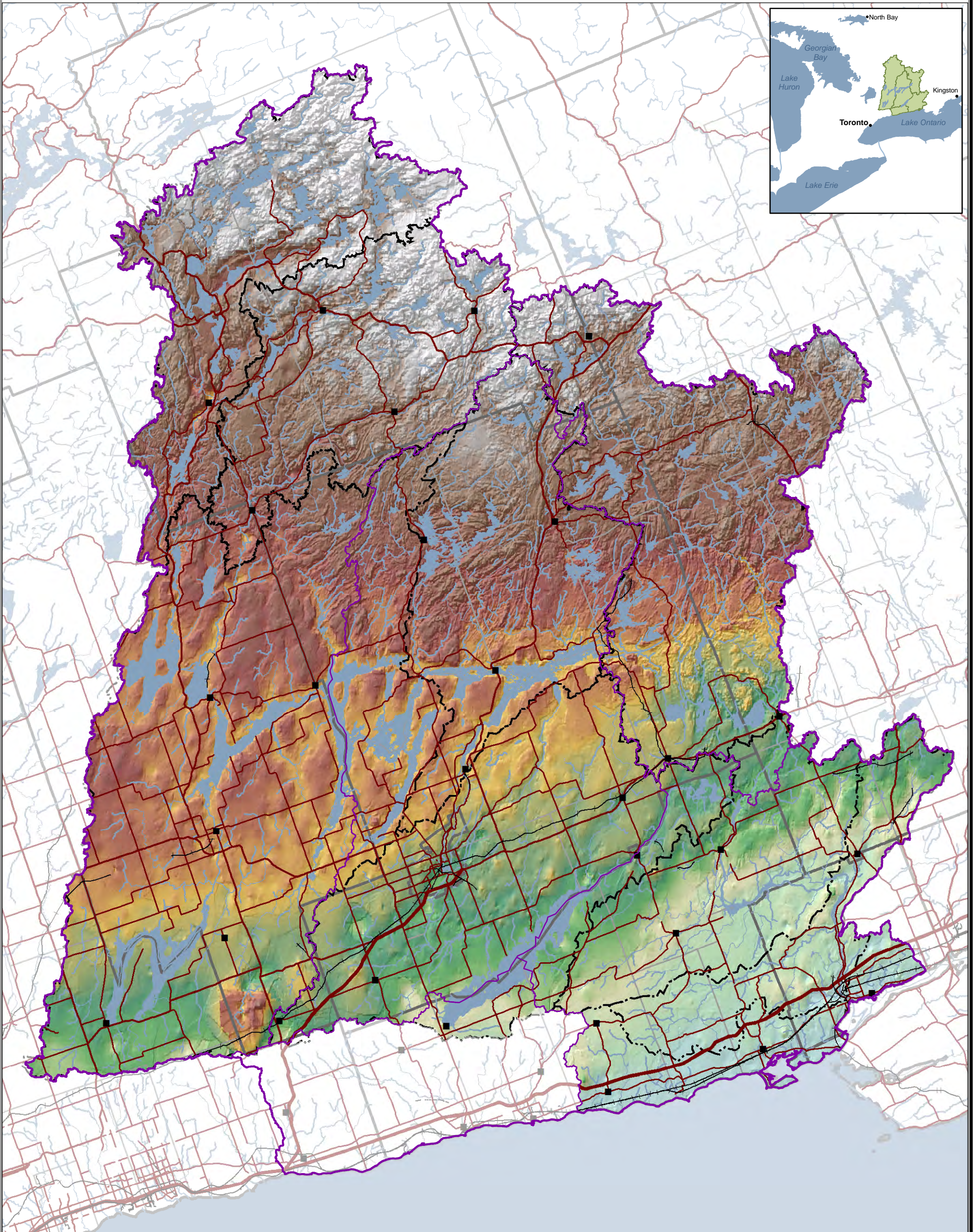
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Trent Assessment Report Map 3-11



# Trent River Watershed

## Bedrock Topography



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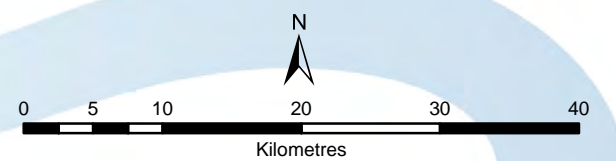
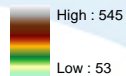
OTHER DATA SOURCES:  
Conceptual Water Budget Subwatersheds: Trent Conservation Coalition



### Legend

- Settlements
- Railway
- Watercourse
- Roads
- Highways
- Multi Lane Highways
- Source Protection Region
- Source Protection Areas
- Conceptual Water Budget Subwatersheds
- Upper and Single Tier Municipality
- Lower Tier Municipality
- Waterbody

### Bedrock Elevation (m)



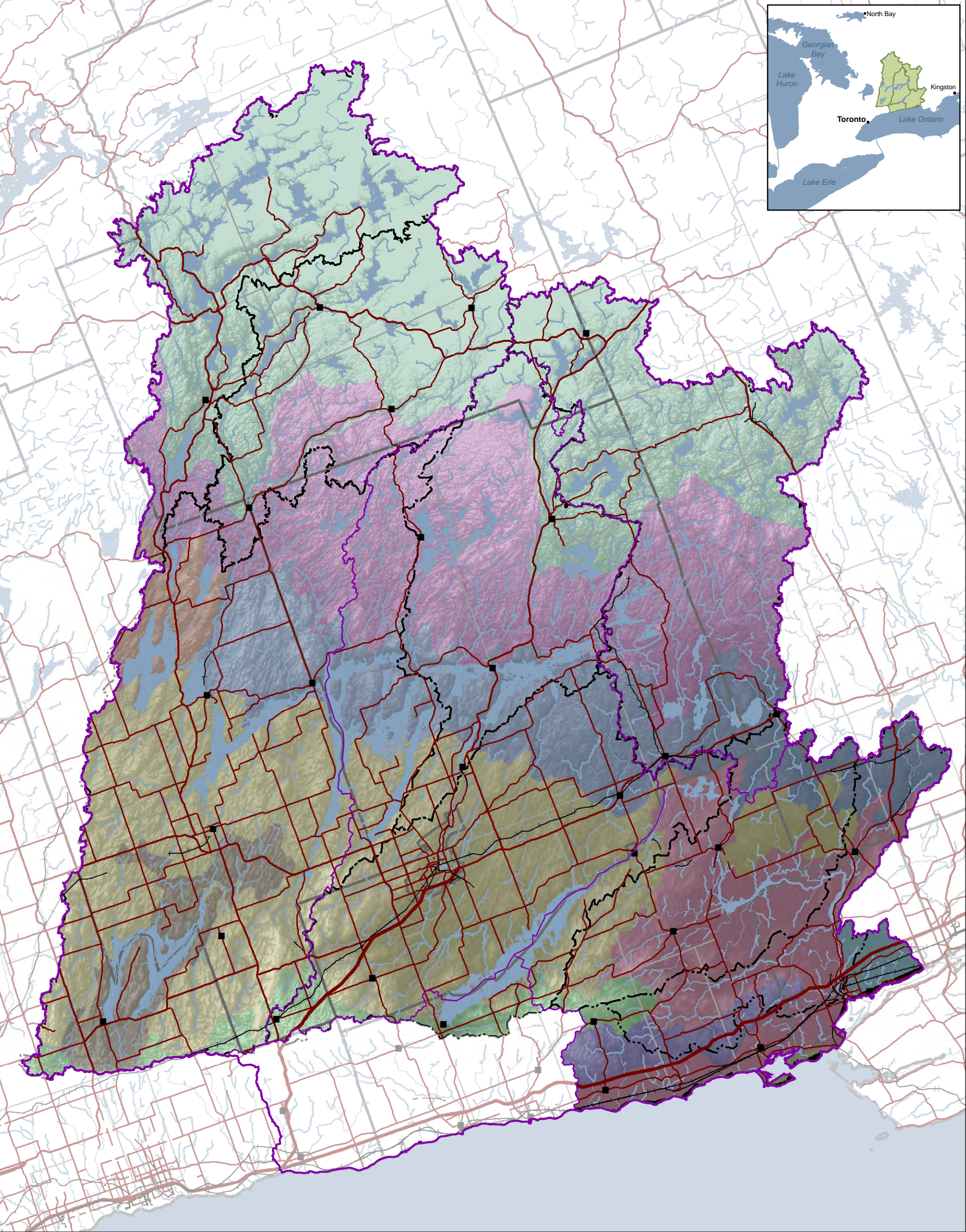
**Trent Conservation Coalition**  
**Source Protection Region**

[www.trentsourceprotection.on.ca](http://www.trentsourceprotection.on.ca)



Trent River Watershed

Physiographic Regions



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OTHER DATA SOURCES:  
Conceptual Water Budget Subwatersheds: Trent Conservation Coalition

Ontario  
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■ Settlements

— Railway

— Watercourse

— Roads

— Highways

— Multi Lane Highway

— Source Protection Region

— Source Protection Areas

— Conceptual Water Budget Subwatersheds

— Upper and Single Tier Municipality

— Lower Tier Municipality

— Waterbody

Physiographic Regions

ALGONQUIN HIGHLANDS

CARDEN PLAIN

DUMMER MORAINES

GEORGIAN BAY FRINGE

IROQUOIS PLAIN

NAPANEE PLAIN

OAK RIDGES MORaine

PETERBOROUGH DRUMLIN FIELD

PRINCE EDWARD PENINSULA

SCHOMBERG CLAY PLAINS

SOUTH SLOPE

0510203040

Kilometres

N

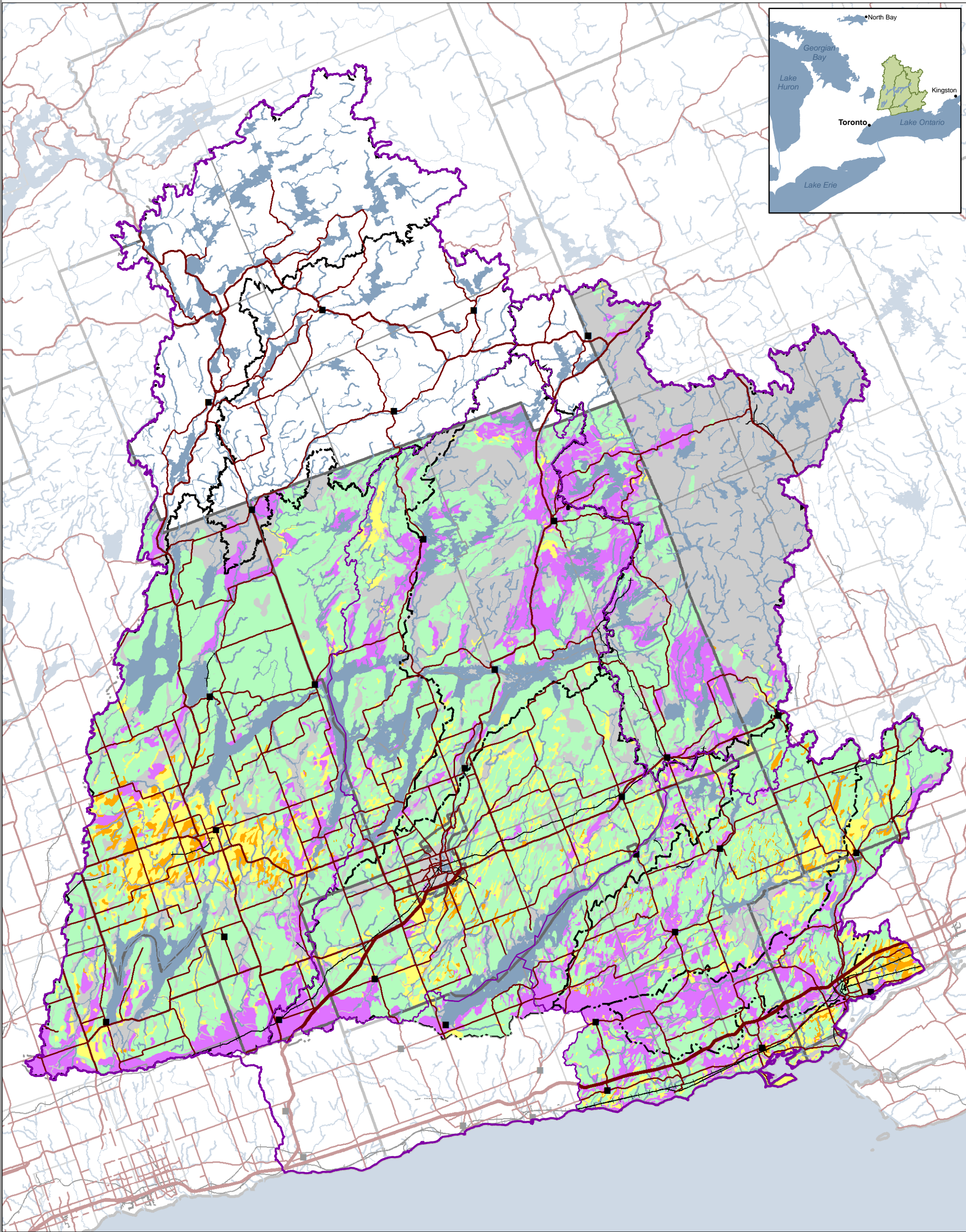
Trent Conservation Coalition

Source Protection Region

[www.trentsourceprotection.on.ca](http://www.trentsourceprotection.on.ca)

Trent Assessment Report Map 3-13





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OTHER DATA SOURCES:  
Conceptual Water Budget Subwatersheds: Trent Conservation Coalition

Legend

■

Settlements

—

Railroad

—

Watercourse

—

Roads

—

Highways

—

Multi Lane Highway

—

Source Protection Region

—

Source Protection Areas

—

Conceptual Water Budget Subwatersheds

—

Upper and Single Tier Municipality

—

Lower Tier Municipality

—

Waterbody

Hydrologic Soil Group

■

A (High Infiltration Rate)

■

B (Moderate Infiltration Rate)

■

C (Low Infiltration Rate)

■

D (Very Low Infiltration Rate)

■

Unclassified

0

5

10

20

30

40

Kilometres

N

Trent Conservation Coalition

Source Protection Region

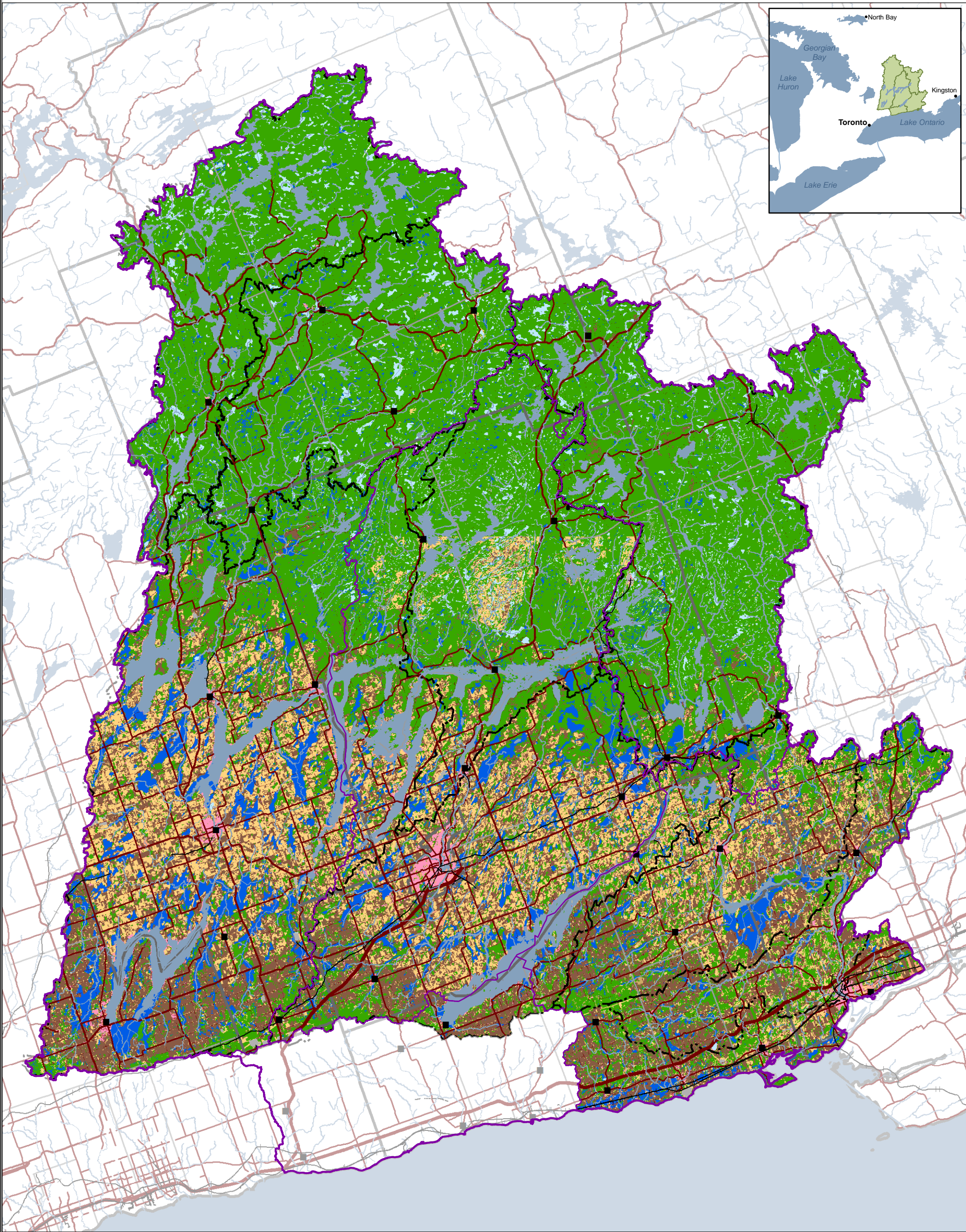
www.trentsourceprotection.on.ca

Trent Assessment Report Map 3-14



Trent River Watershed

Land Cover



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OTHER DATA SOURCES:  
Conceptual Water Budget Subwatersheds: Trent Conservation Coalition

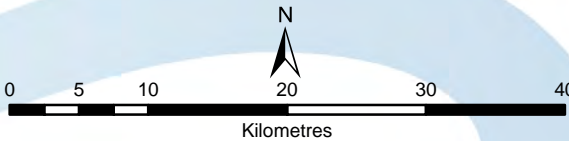
Ontario

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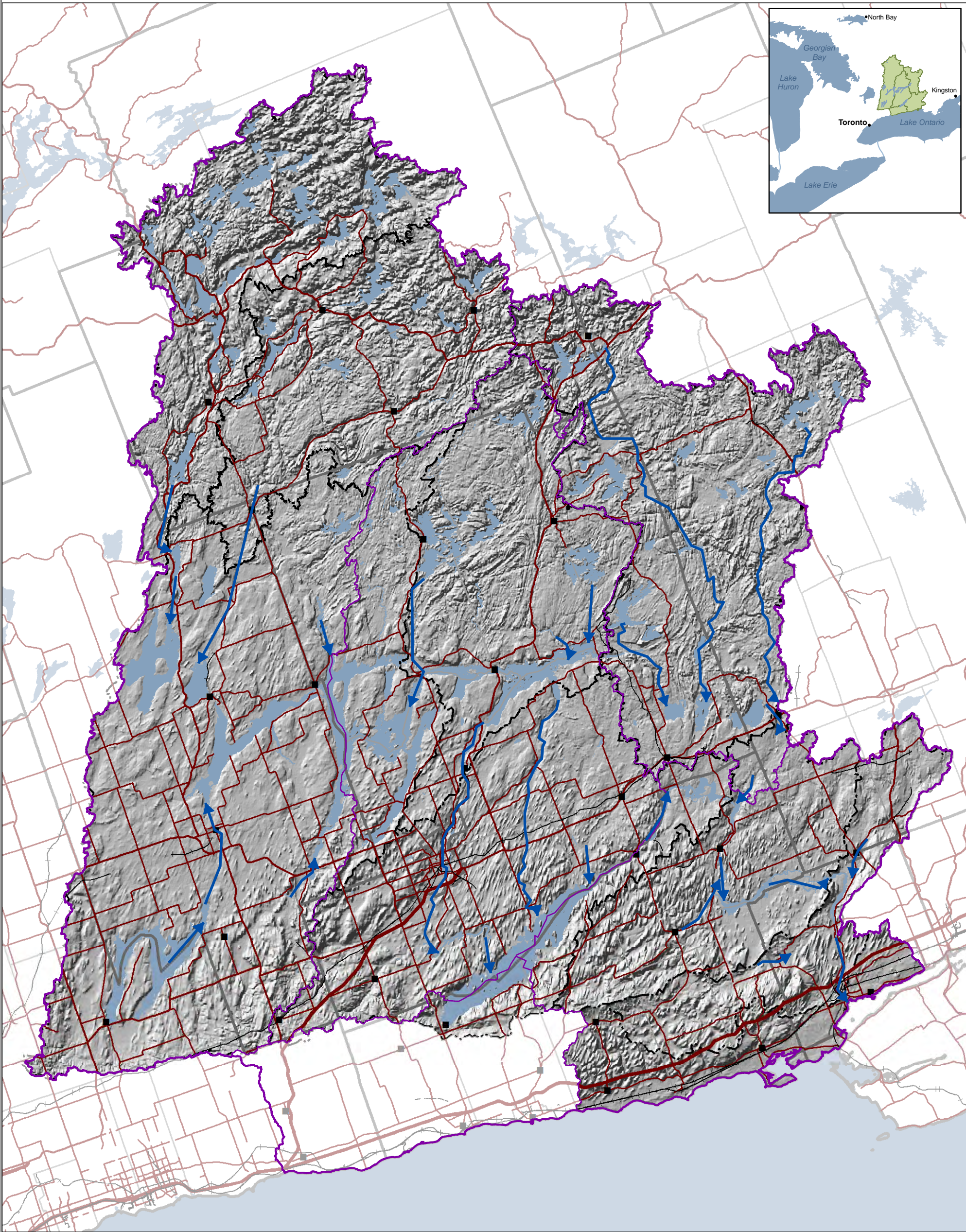
- Legend

  - Settlements
  - Railways
  - Watercourse
  - Roads
  - Highways
  - Multi Lane Highway
  - Source Protection Region
  - Source Protection Areas
  - Conceptual Water Budget Subwatersheds
  - Upper and Single Tier Municipality
  - Lower Tier Municipality
  - Waterbody
- Landcover Cover Type

  - Hay / Pasture
  - High Intensity Developed
  - Low Intensity Developed
  - Quarries
  - Roads
  - Row Crops
  - Transitional
  - Water
  - Wetland
  - Woodland







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OTHER DATA SOURCES:  
Conceptual Water Budget Subwatersheds: Trent Conservation Coalition

■

Settlements

—

Railways

—

Watercourse

—

Roads

—

Highways

—

Multi Lane Highway

—

Conceptual Water Budget Subwatersheds

—

Source Protection Region

—

Source Protection Areas

—

Upper and Single Tier Municipality

—

Lower Tier Municipality

—

Waterbody

→

Water Flow Direction

N

0 5 10 20 30 40

Kilometres

Trent Conservation Coalition

Source Protection Region

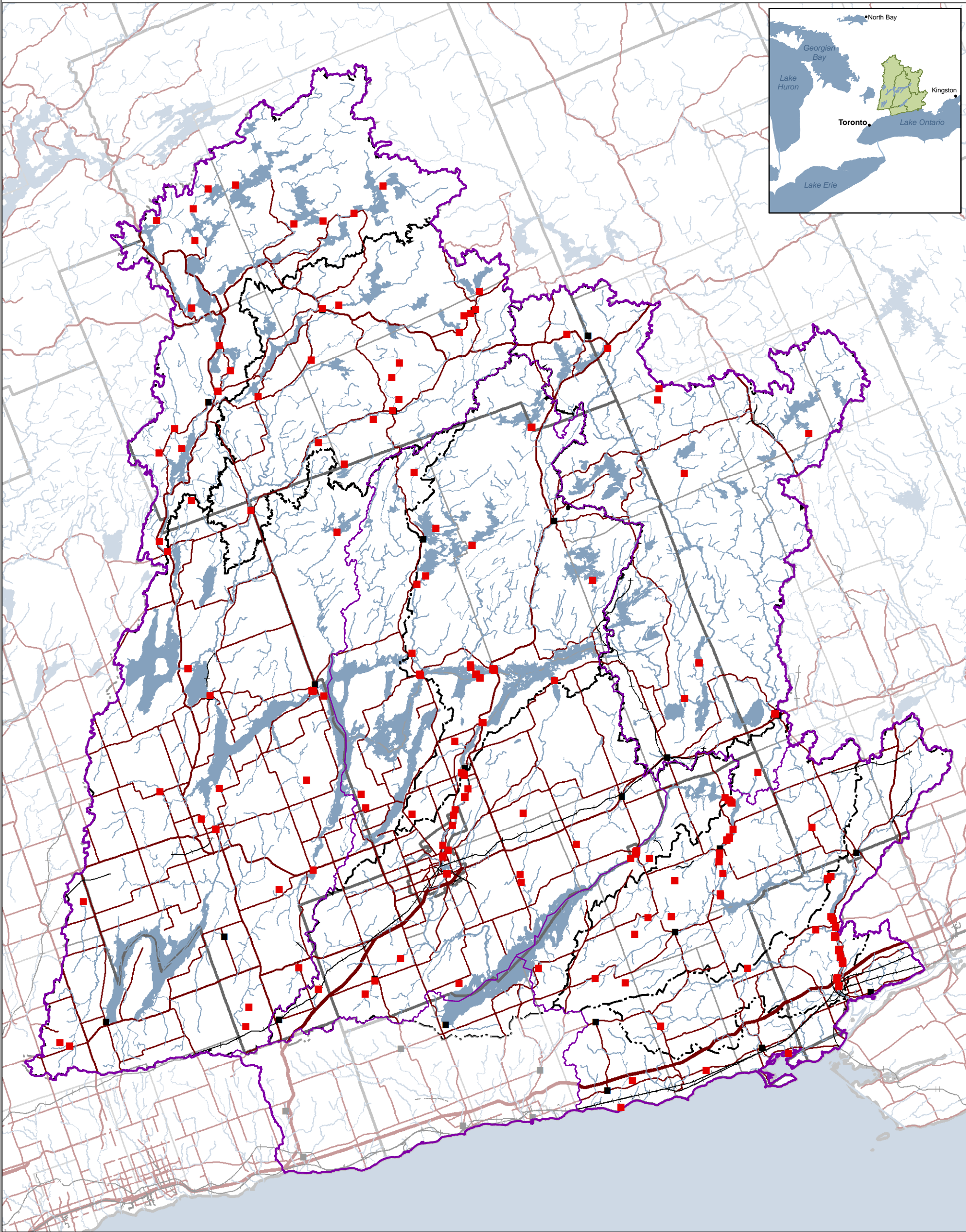
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Trent Assessment Report Map 3-16



Trent River Watershed

Water Control Structures



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OTHER DATA SOURCES:  
Conceptual Water Budget Subwatersheds: Trent Conservation Coalition

Ontario

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- Settlements

—

Railway

—

Watercourse

—

Roads

—

Highways

—

Multi Lane Highway

—

Conceptual Water Budget Subwatersheds

—

Source Protection Region

—

Source Protection Areas

—

Upper and Single Tier Municipality

—

Lower Tier Municipality

—

Waterbody

■

Water Control Structure
- 
- Trent Conservation Coalition

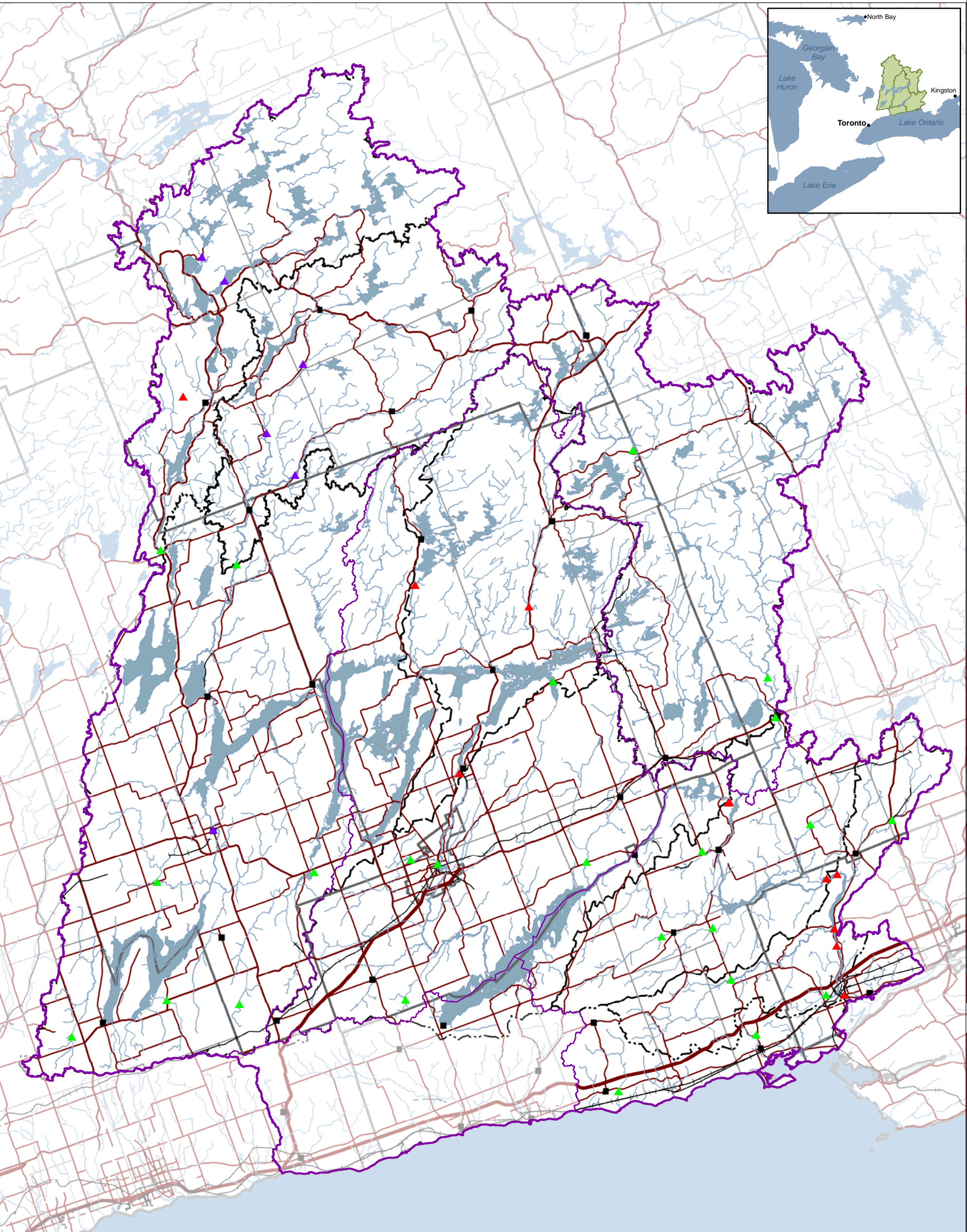
Source Protection Region

[www.trentsourceprotection.on.ca](http://www.trentsourceprotection.on.ca)
- Trent Assessment Report Map 3-17



Trent River Watershed

Hydrometric Stations



This map has been prepared for the purpose of meeting the provincial requirements under the Clean Water Act, 2006. If it is proposed to use it for another purpose, it would be advisable to first consult with the responsible conservation authority.

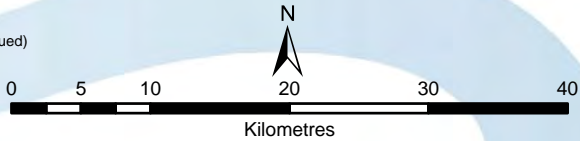
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OTHER DATA SOURCES:  
Conceptual Water Budget Subwatersheds: Trent Conservation Coalition

Ontario  
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- Legend
- Settlements
  - Railway
  - Watercourse
  - Roads
  - Highways
  - Multi Lane Highway
  - Conceptual Water Budget Subwatersheds
  - Source Protection Region
  - Source Protection Areas
  - Upper and Single Tier Municipality
  - Lower Tier Municipality
  - Waterbody

- Hydrometric Stations
- Water Survey of Canada Flow Gauging Station (Active)
  - Water Survey of Canada Flow Gauging Station (Discontinued)
  - Trent Severn Waterway Flow Gauging Stations



Trent Conservation Coalition

Source Protection Region

[www.trentsourceprotection.on.ca](http://www.trentsourceprotection.on.ca)



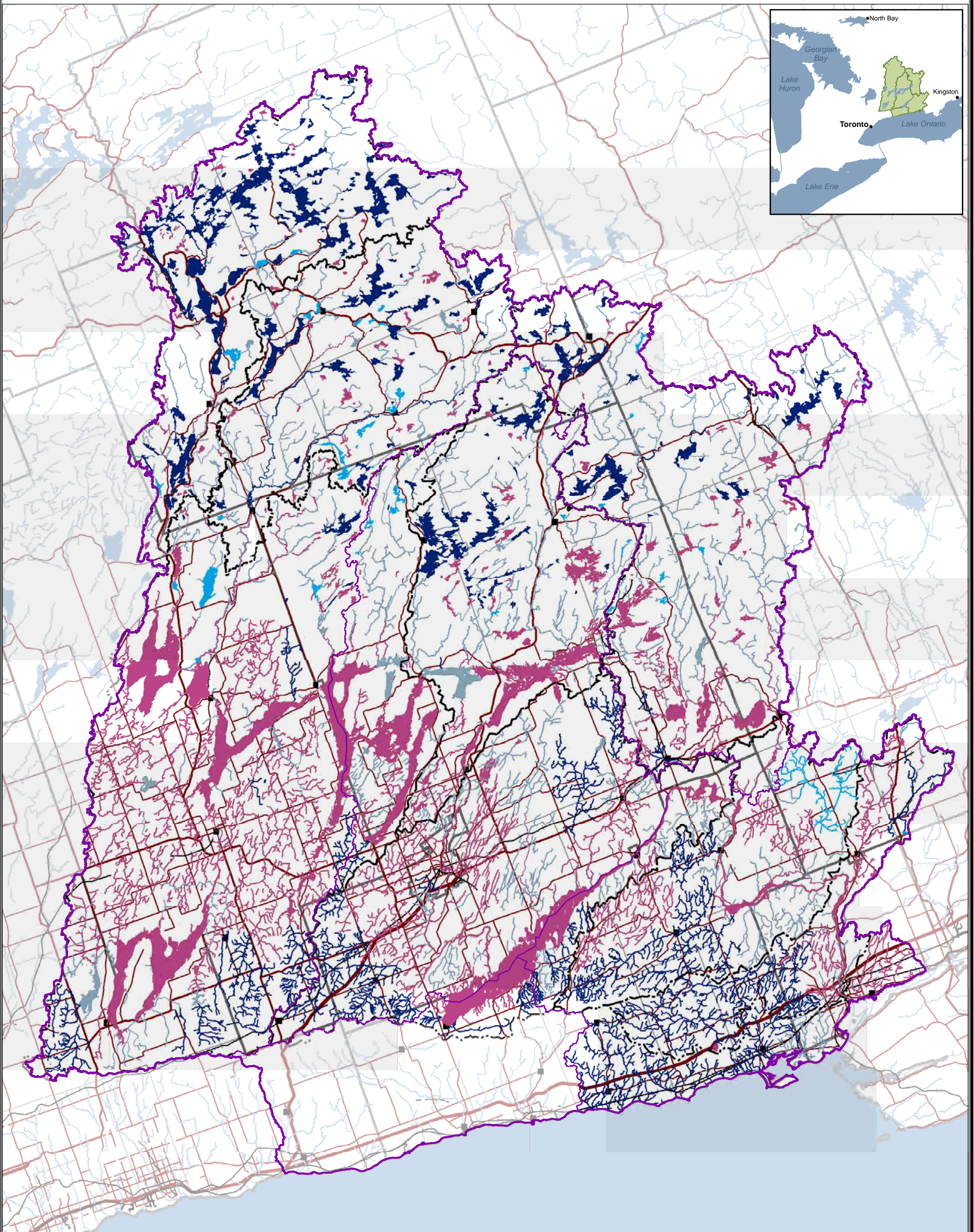


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# Trent River Watershed

## Aquatic Habitat by Stream Temperature



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OTHER DATA SOURCES:  
Conceptual Water Budget Subwatersheds: Trent Conservation Coalition

### Legend

- Settlements
- Railway
- Roads
- Highways
- Multi Lane Highway
- Source Protection Region
- Source Protection Areas
- Conceptual Water Budget Subwatersheds
- Upper and Single Tier Municipality
- Lower Tier Municipality

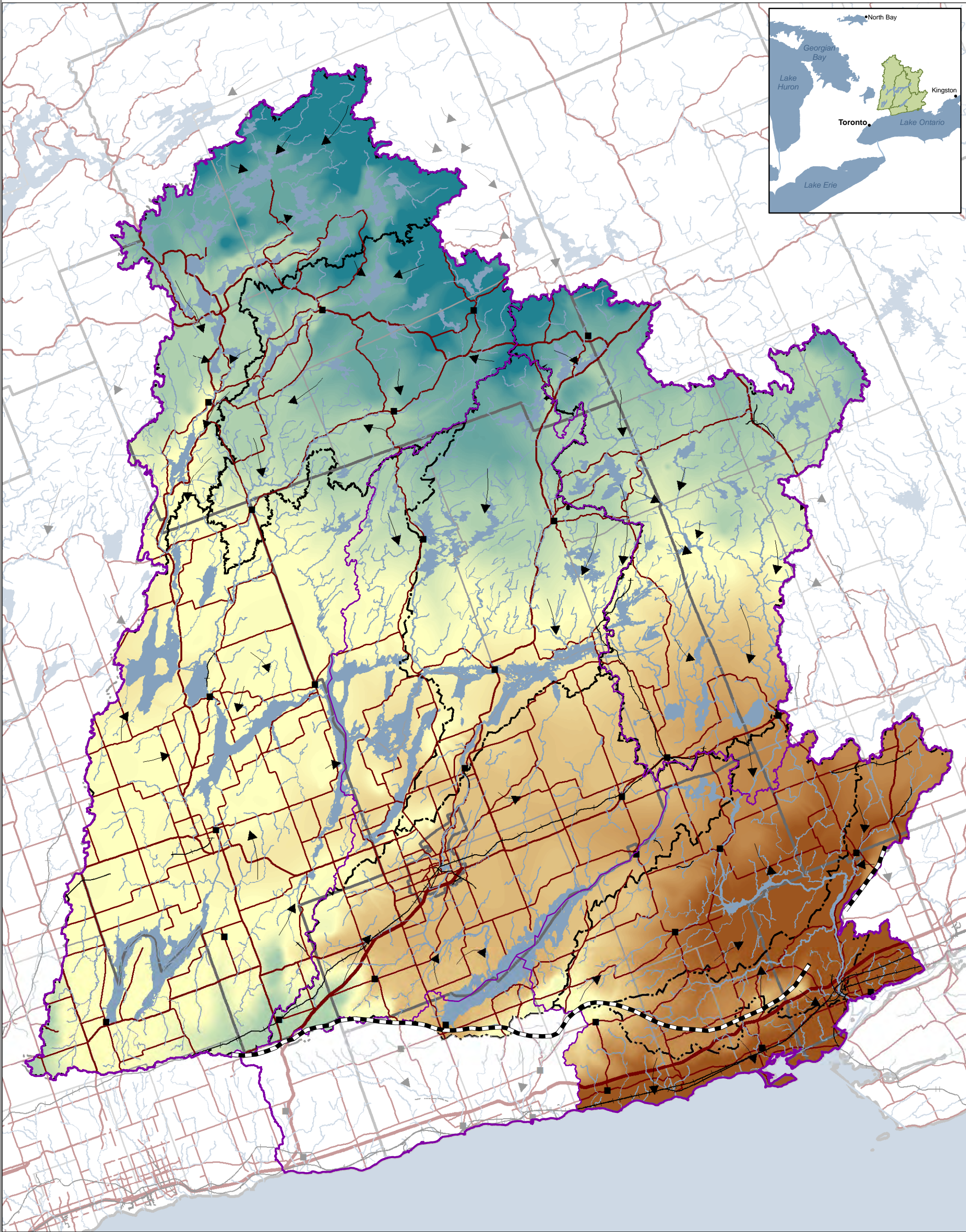
### Waterbody / Watercourse

- Cold Water
- Cool Water
- Warm Water
- Unknown



Trent River Watershed

Water Table Elevation



This map has been prepared for the purpose of meeting the provincial requirements under the Clean Water Act, 2006. If it is proposed to use it for another purpose, it would be advisable to first consult with the responsible conservation authority.

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OTHER DATA SOURCES:  
Conceptual Water Budget Subwatersheds: Trent Conservation Coalition

■ Settlements

— Railway

— Watercourse

— Roads

— Highways

— Multi Lane Highway

--- Conceptual Water Budget Subwatersheds

— Source Protection Region

— Source Protection Areas

— Upper and Single Tier Municipality

— Lower Tier Municipality

— Waterbody

▶ Water Flow Direction

--- Approximate Groundwater Divide

Water Table Elevation (m Above Sea Level)

High : 482

Low : 67

0510203040

Kilometres

N

Trent Conservation Coalition

Source Protection Region

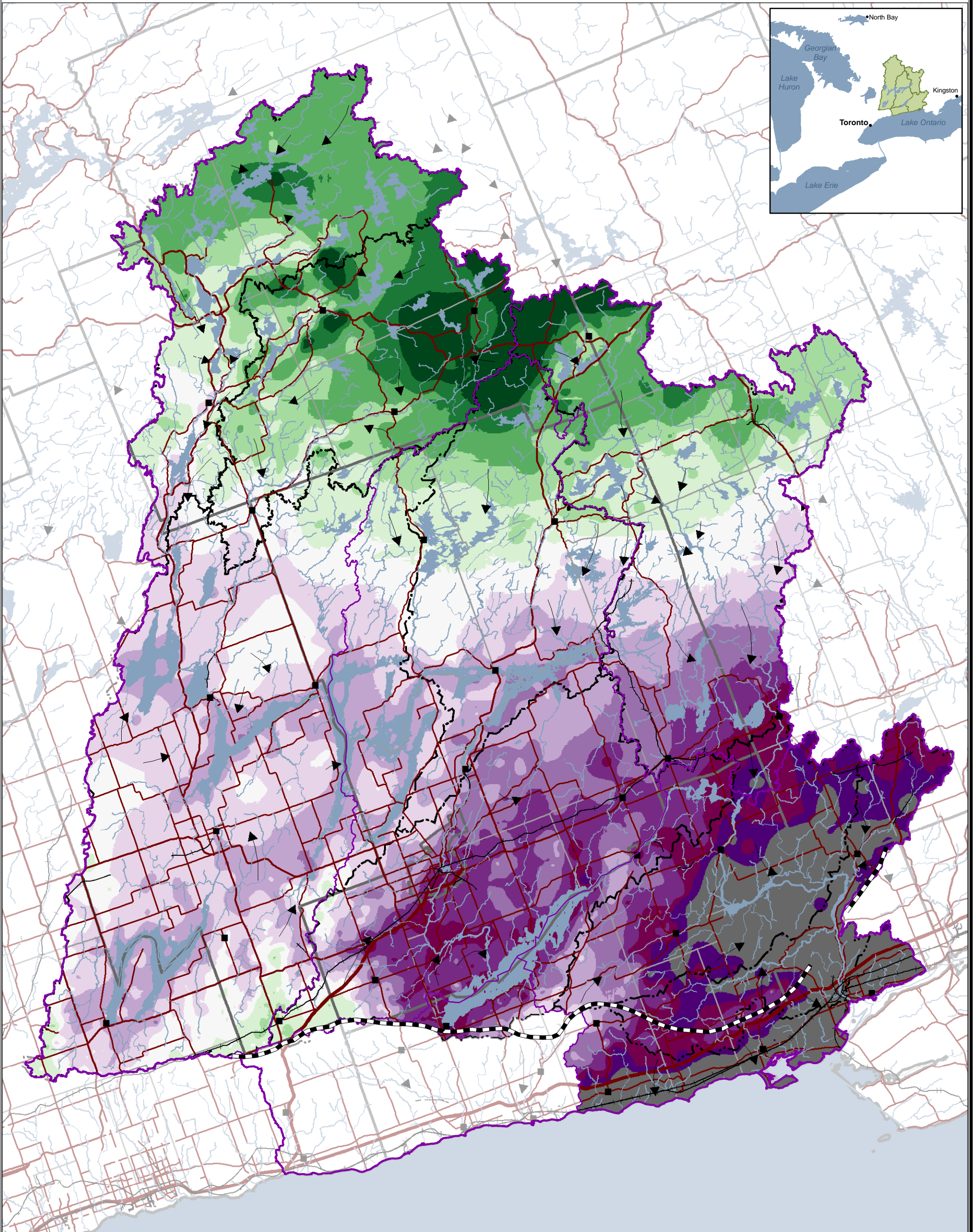
www.trentsourceprotection.on.ca

Trent Assessment Report Map 3-21



# Trent River Watershed

## Potentiometric Surface



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OTHER DATA SOURCES:  
Conceptual Water Budget Subwatersheds: Trent Conservation Coalition



### Legend

- Settlements
- Railway
- Watercourse
- Roads
- Highways
- Multi Lane Highway
- Conceptual Water Budget Subwatersheds
- Source Protection Region
- Source Protection Areas
- Upper and Single Tier Municipality
- Lower Tier Municipality
- Waterbody

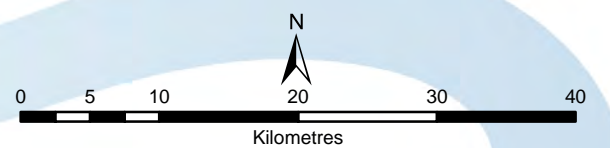
→ Water Flow Direction

--- Approximate Groundwater Divide

**Potentiometric Surface Elevation (m ASL)**

High : 478

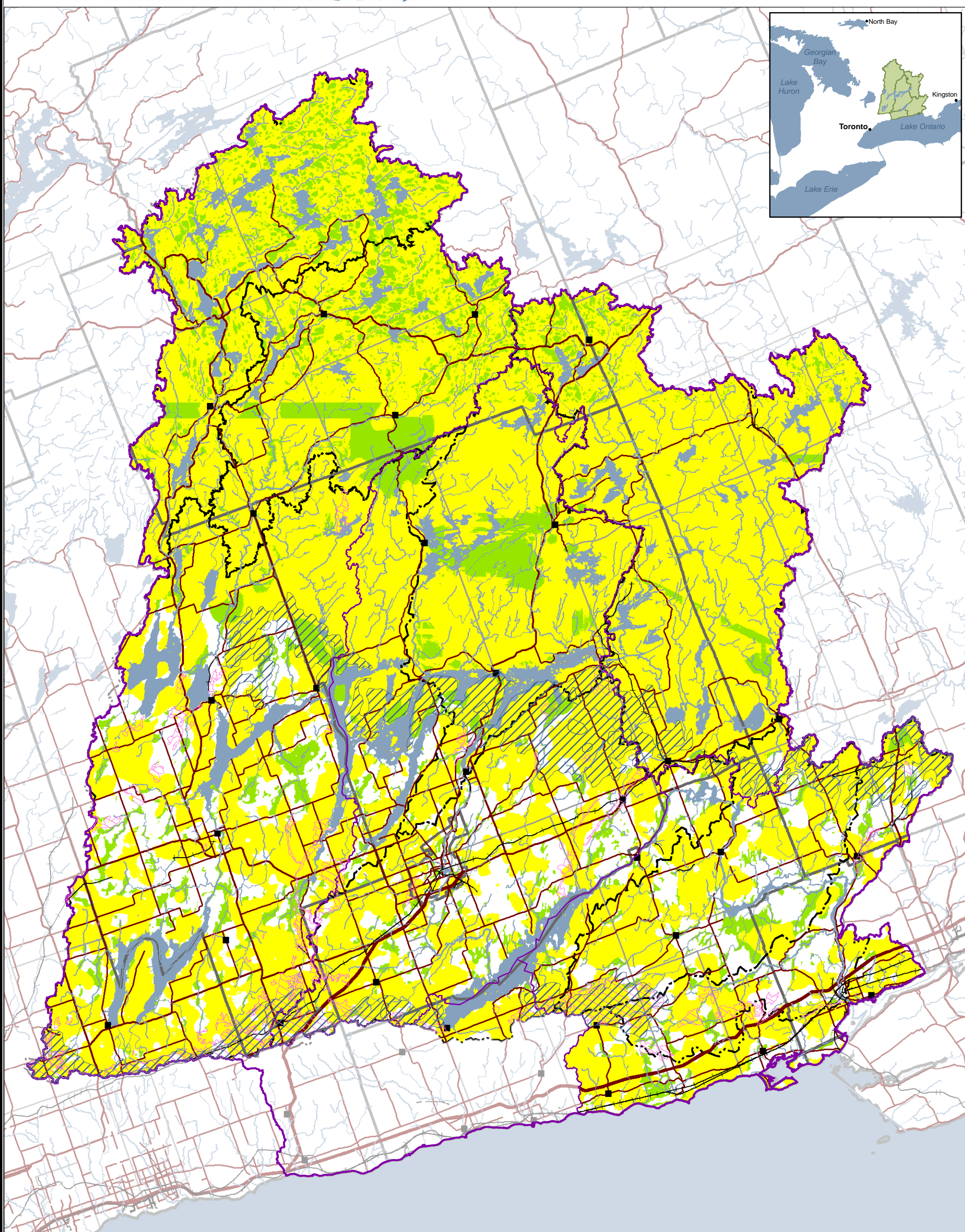
Low : 52







**Trent Conservation Coalition**  
**Source Protection Region**

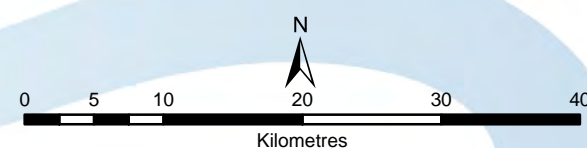
[www.trentsourceprotection.on.ca](http://www.trentsourceprotection.on.ca)





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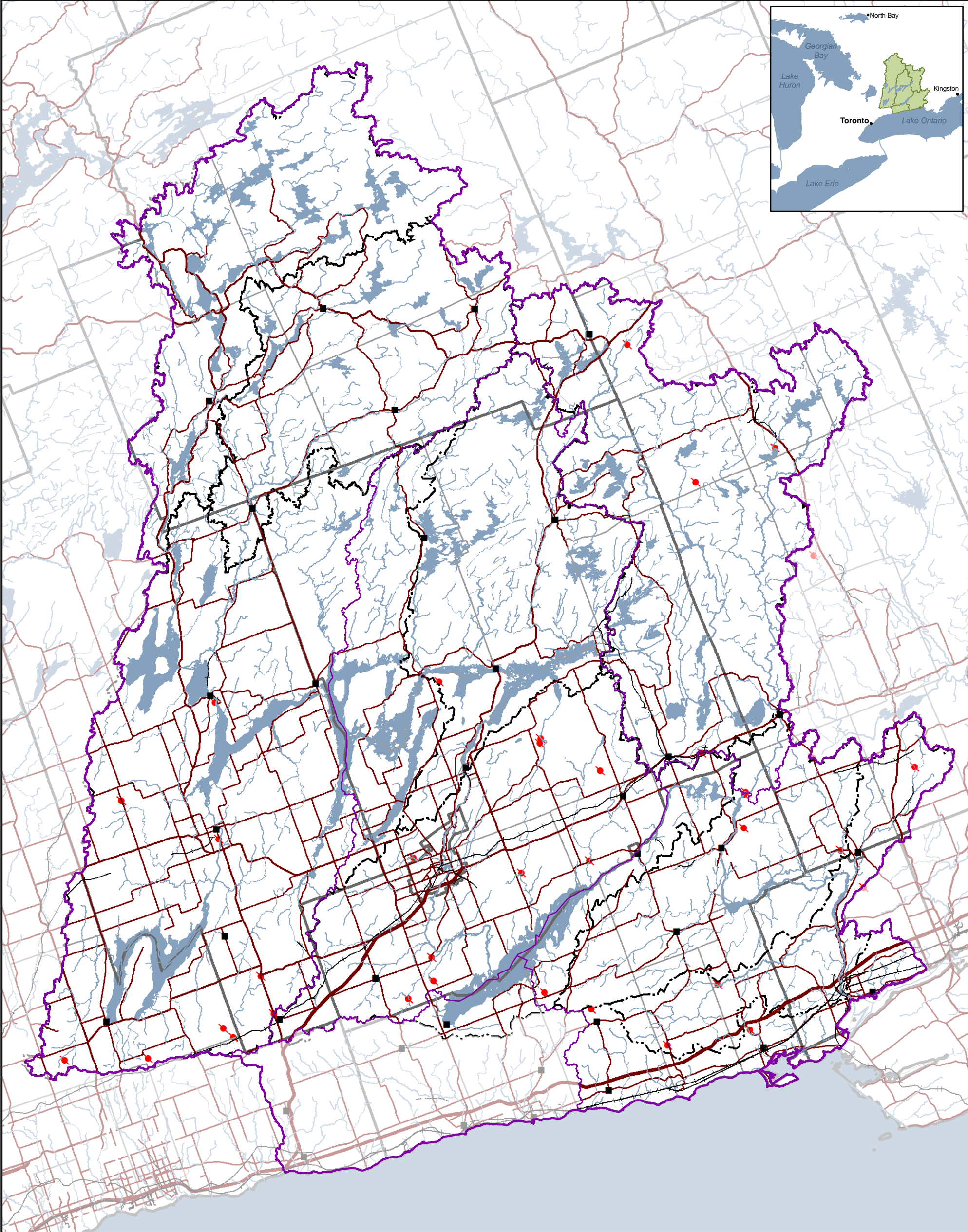
-  Hummocky Topography (Morrison)  
 Hummocky Topography (CAMC)  
 Recharge  
 Discharge



## Trent Conservation Coalition Source Protection Region

[www.trentsourceprotection.on.ca](http://www.trentsourceprotection.on.ca)





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OTHER DATA SOURCES:  
Conceptual Water Budget Subwatersheds: Trent Conservation Coalition

Ontario

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■ Settlements

— Railway

— Watercourse

— Roads

— Highways

— Multi Lane Highway

■ Source Protection Region

■ Source Protection Areas

■ Conceptual Water Budget Subwatersheds

■ Upper and Single Tier Municipality

■ Lower Tier Municipality

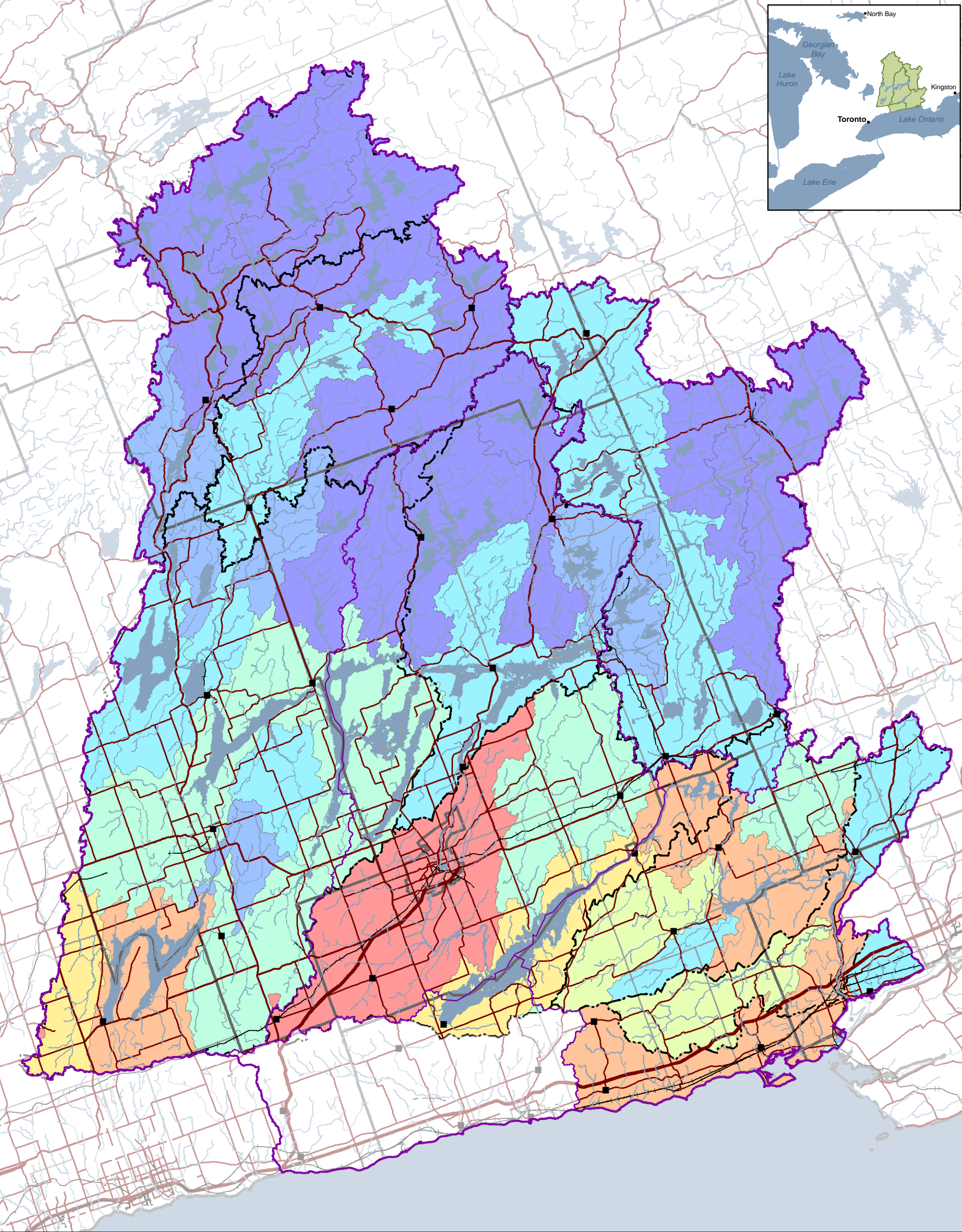
■ Waterbody

● Provincial Groundwater Monitoring Network



Trent River Watershed

Agricultural Water Usage



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OTHER DATA SOURCES:  
Conceptual Water Budget Subwatersheds: Trent Conservation Coalition

Ontario  
Made possible through the support of the Government of Ontario

■ Settlements

— Railway

— Watercourse

— Roads

— Highways

— Multi Lane Highway

— Source Protection Region

— Source Protection Areas

— Conceptual Water Budget Subwatersheds

— Upper and Single Tier Municipality

— Lower Tier Municipality

— Waterbody

Water Use by Subwatershed (m³ / year)

246 - 10000
10001 - 50000
50001 - 100000
100001 - 200000
200001 - 300000
300001 - 400000
400001 - 500000
500001 - 2000000

0510203040

Kilometres

N

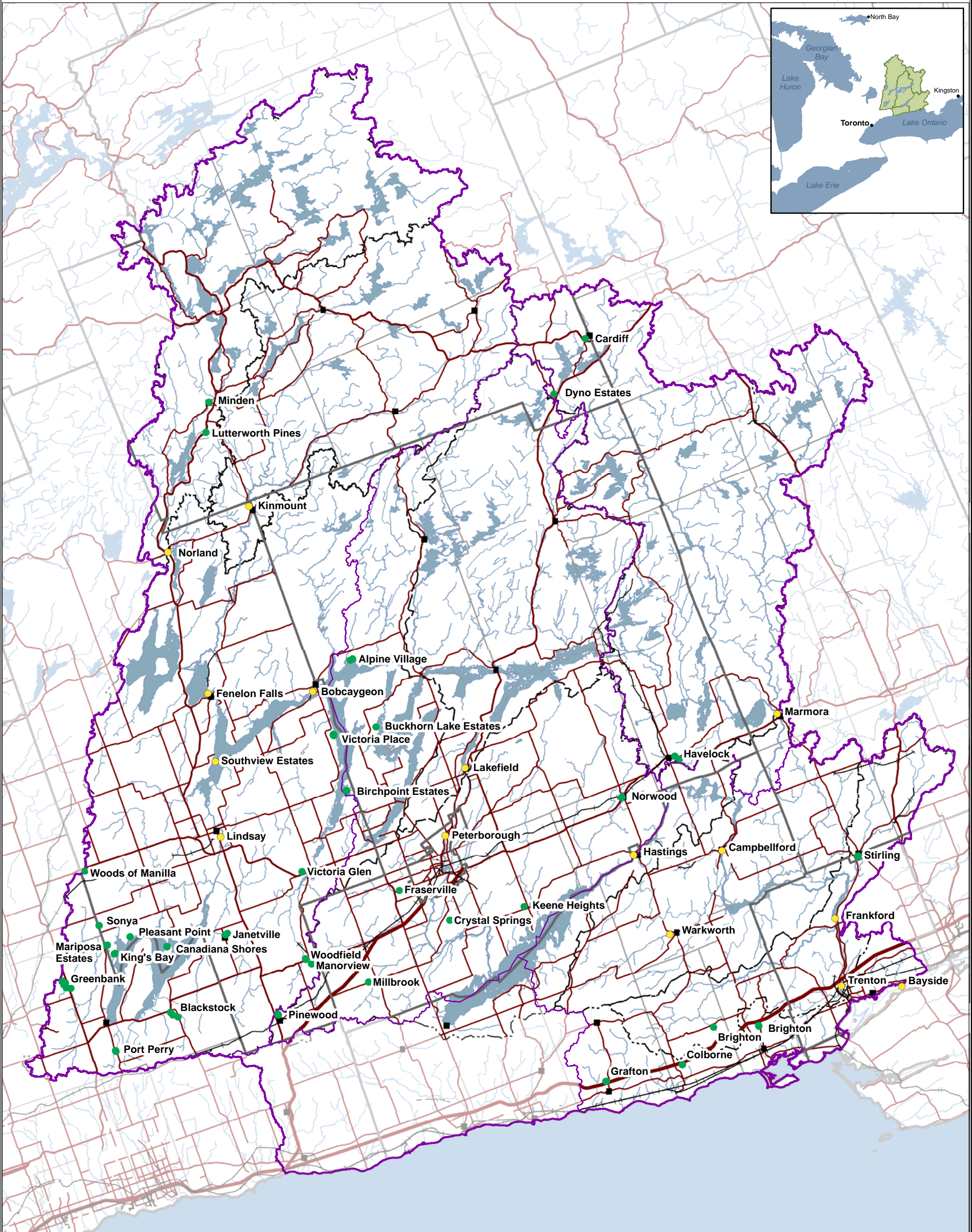
Trent Conservation Coalition  
Source Protection Region

www.trentsourceprotection.on.ca



# Trent River Watershed

## Municipal Wells and Intakes



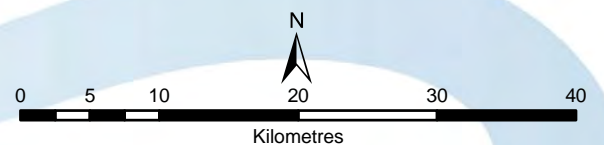
This map has been prepared for the purpose of meeting the provincial requirements under the Clean Water Act, 2006. If it is proposed to use it for another purpose, it would be advisable to first consult with the responsible conservation authority.

PRODUCED BY Lower Trent Conservation on behalf of the Trent Conservation Coalition Source Protection Committee, March 2011, with data supplied under licence by members of the Ontario Geospatial Data Exchange.

OTHER DATA SOURCES:  
Conceptual Water Budget Subwatersheds: Trent Conservation Coalition

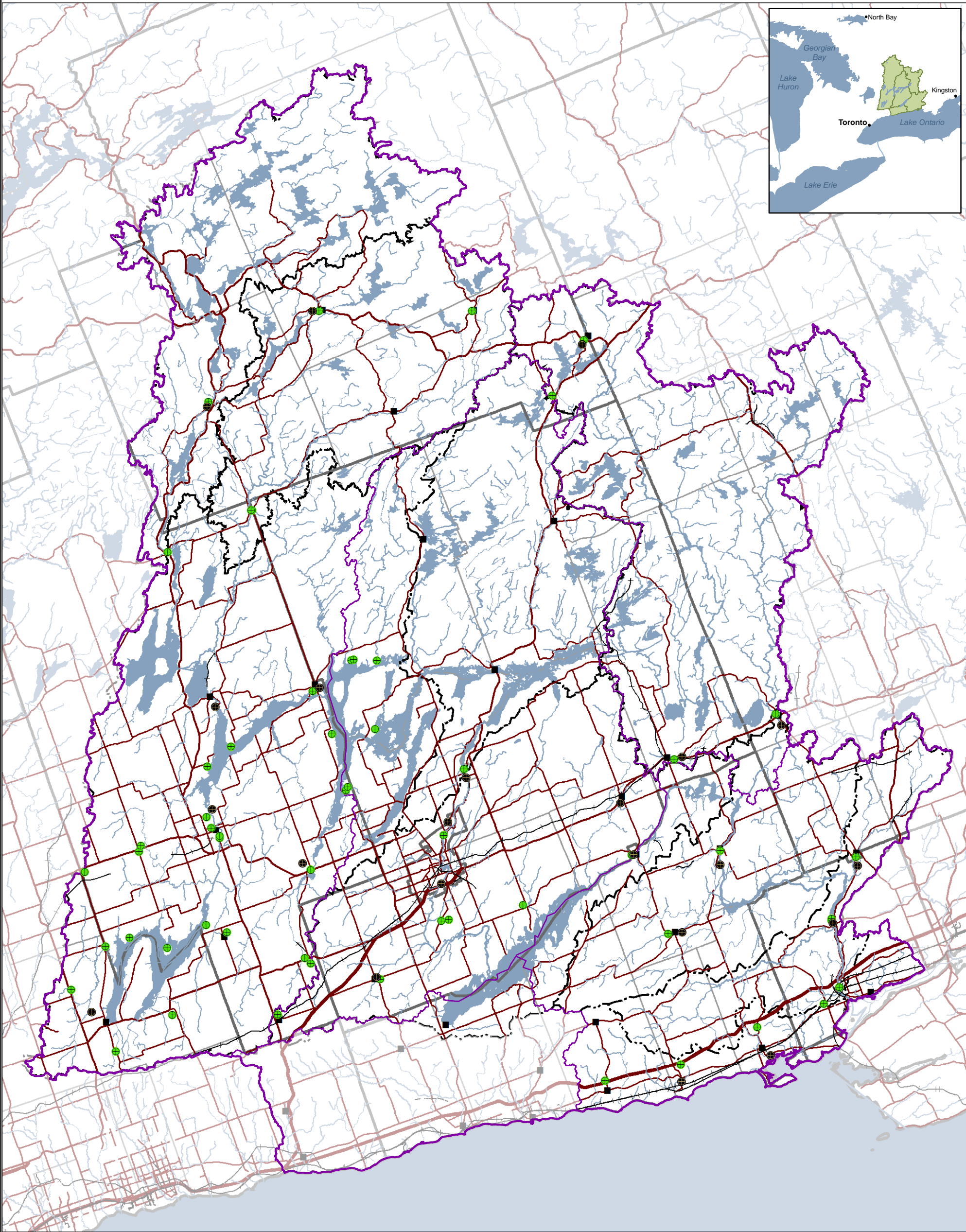
Ontario  
Made possible through the support of the Government of Ontario

- Legend**
- Settlements
  - Railroad
  - Watercourse
  - Roads
  - Highways
  - Multi Lane Highway
  - Source Protection Region
  - Source Protection Areas
  - Conceptual Water Budget Subwatersheds
  - Upper and Single Tier Municipality
  - Lower Tier Municipality
  - Waterbody
  - Surface Water Intake
  - Groundwater Well



**Trent Conservation Coalition**  
**Source Protection Region**  
[www.trentsourceprotection.on.ca](http://www.trentsourceprotection.on.ca)





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OTHER DATA SOURCES:  
Conceptual Water Budget Subwatersheds: Trent Conservation Coalition

Ontario

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Legend

■ Settlements

— Railways

— Roads

— Highways

— Multi Lane Highway

— Source Protection Region

— Source Protection Areas

— Conceptual Water Budget Subwatersheds

— Upper and Single Tier Municipality

— Lower Tier Municipality

— Waterbody

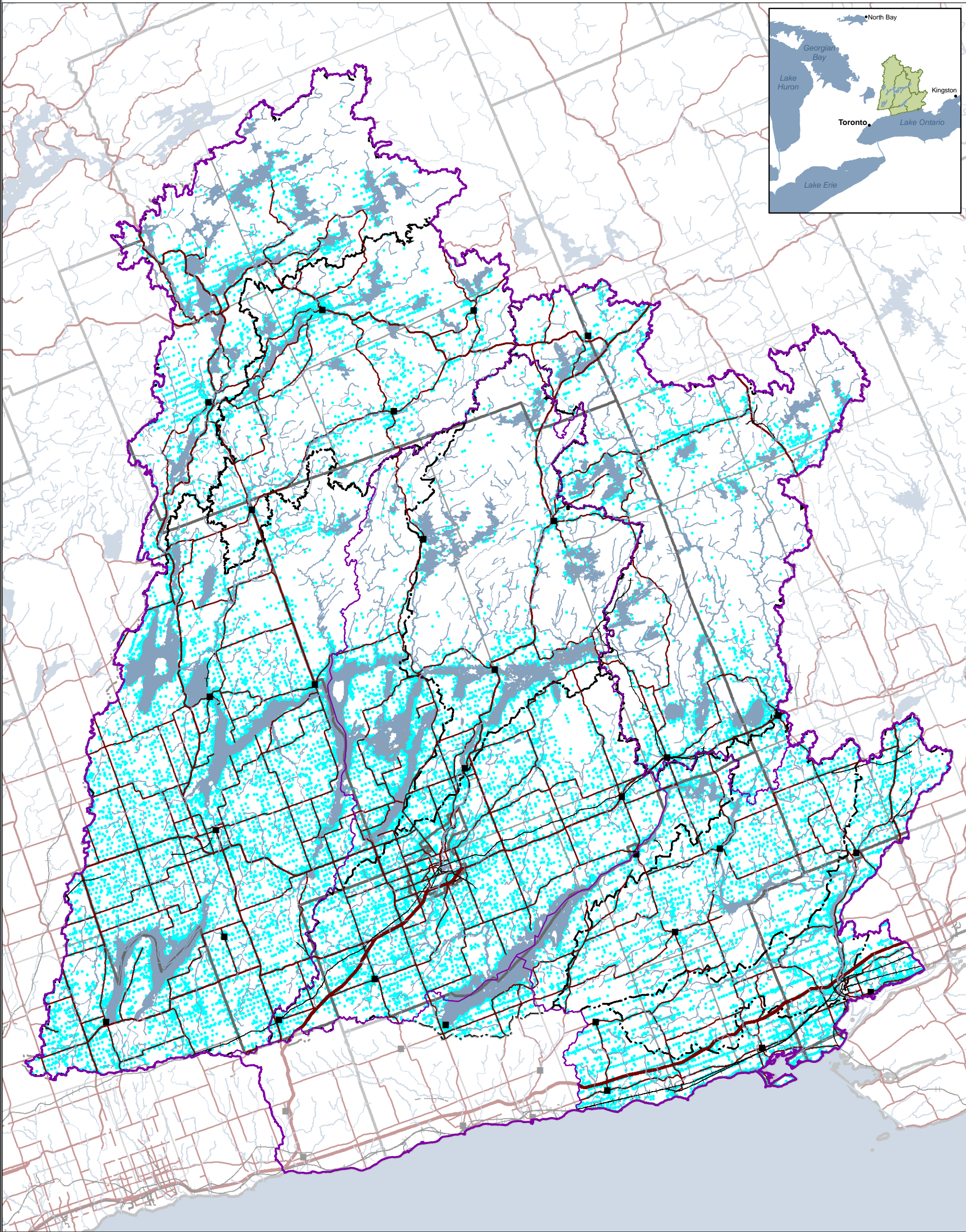
● Municipal / Provincial Sewage Treatment Plant

● Municipal Water Treatment Plant



Trent River Watershed

Registered Domestic Wells



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OTHER DATA SOURCES:  
Conceptual Water Budget Subwatersheds: Trent Conservation Coalition

■

Settlements

—

Railway

—

Watercourse

—

Roads

—

Highways

—

Multi Lane Highway

—

Source Protection Region

—

Source Protection Areas

—

Conceptual Water Budget Subwatersheds

—

Upper and Single Tier Municipality

—

Lower Tier Municipality

—

Waterbody

●

Registered Domestic Wells

N

0 5 10 20 30 40

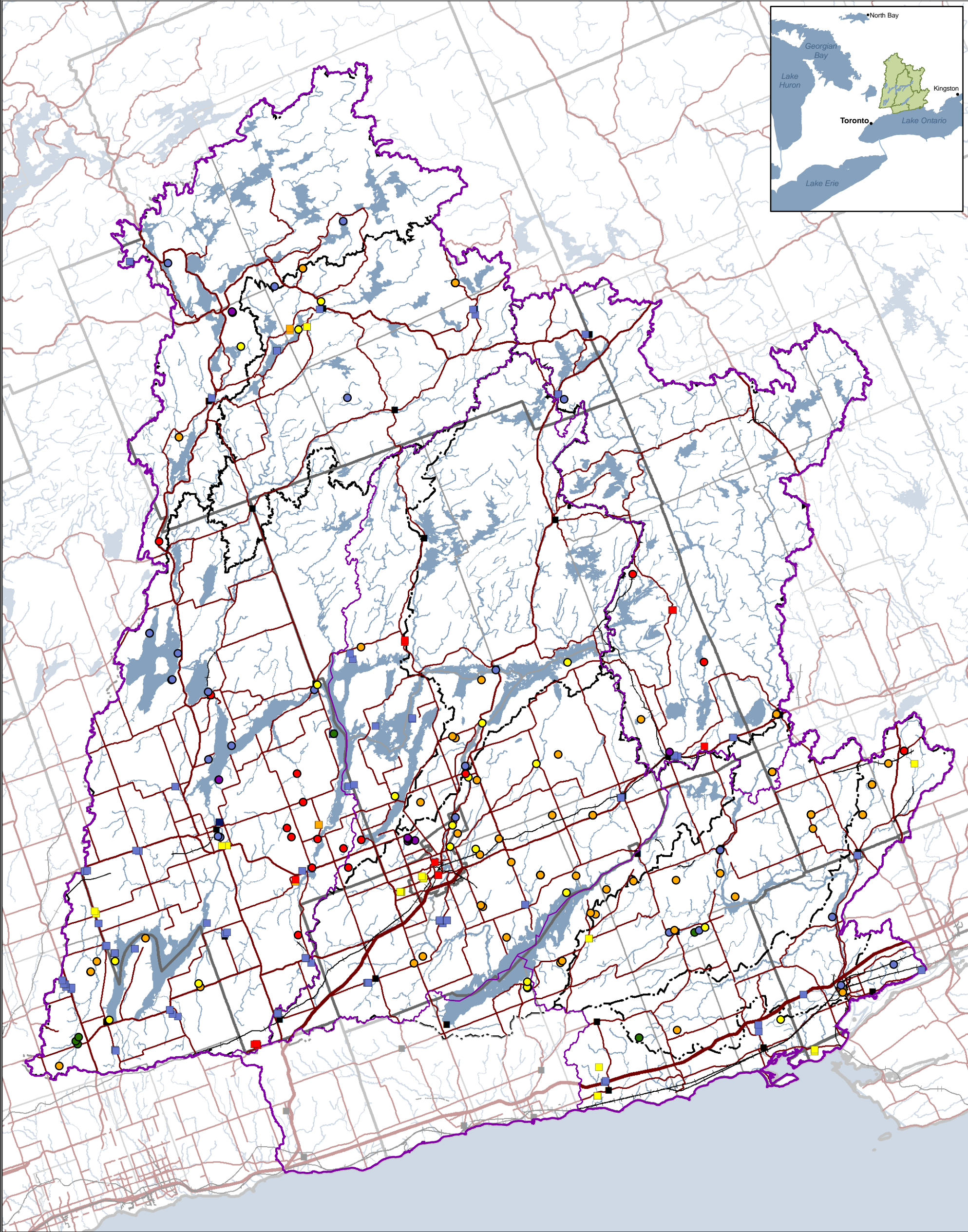
Kilometres

Trent Conservation Coalition

Source Protection Region

www.trentsourceprotection.on.ca





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OTHER DATA SOURCES:  
Conceptual Water Budget Subwatersheds: Trent Conservation Coalition

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■ Settlements

— Railway

— Watercourse

— Roads

— Highways

— Multi Lane Highway

— Source Protection Region

— Source Protection Areas

— Conceptual Water Budget Subwatersheds

— Upper and Single Tier Municipality

— Lower Tier Municipality

— Waterbody

● Industrial

● Agricultural

● Commercial

● Recreational

● Water Supply

● Miscellaneous

■ Industrial

■ Commercial

■ Water Supply

■ Miscellaneous

■ Remediation

Permitted Surface Water Takings

● Industrial

● Agricultural

● Commercial

● Recreational

● Water Supply

● Miscellaneous

Permitted Groundwater Takings

■ Industrial

■ Commercial

■ Water Supply

■ Miscellaneous

■ Remediation

0

4.5

9

18

27

36

Kilometres

N

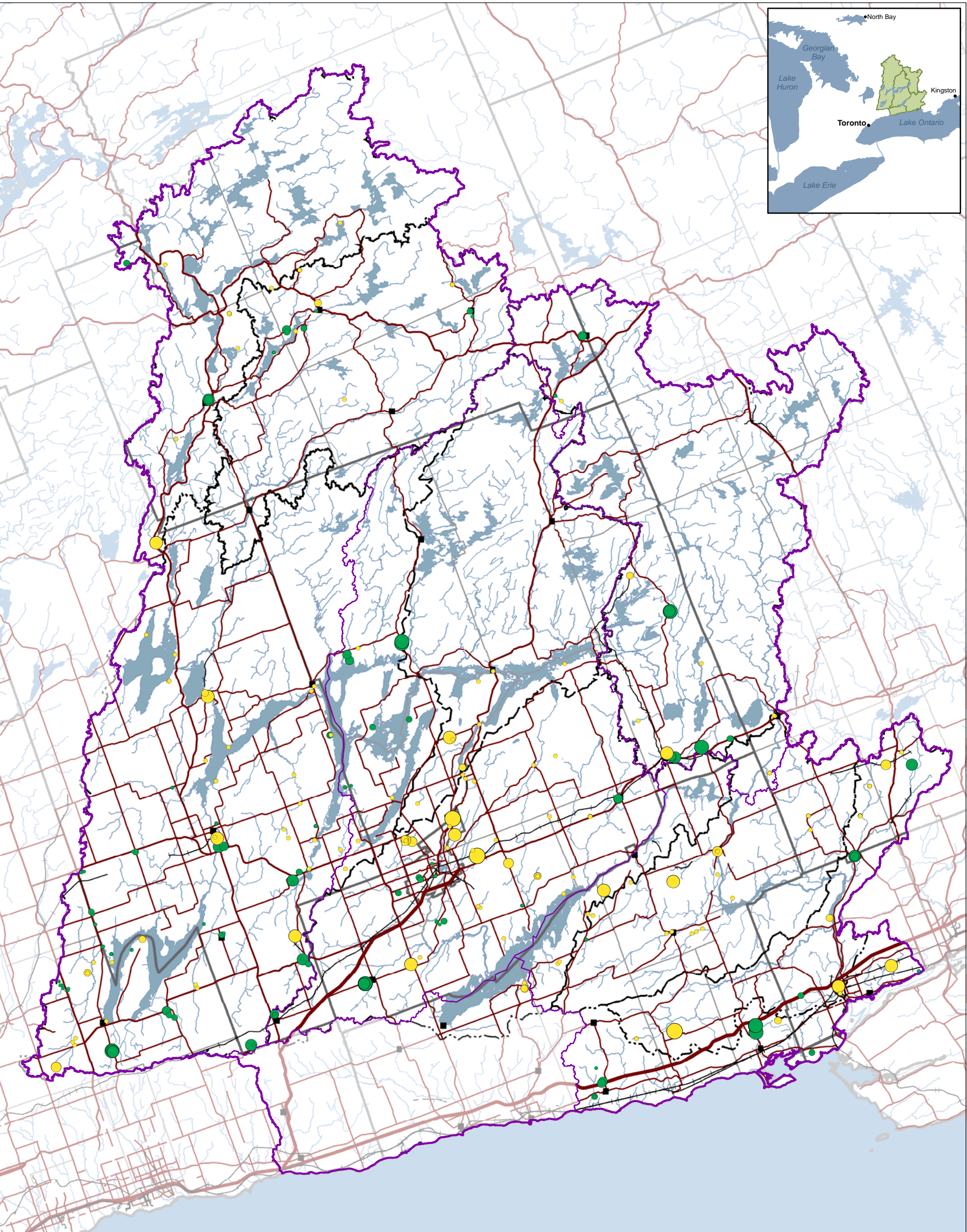
Trent Conservation Coalition

Source Protection Region

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Trent Assessment Report Map 3-29





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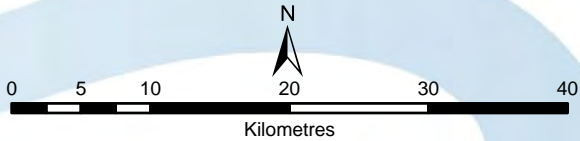
OTHER DATA SOURCES:  
Conceptual Water Budget Subwatersheds: Trent Conservation Coalition

Ontario  
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- Legend
- Settlements
  - Railway
  - Watercourse
  - Roads
  - Highways
  - Multi Lane Highway
  - Source Protection Region
  - Source Protection Areas
  - Conceptual Water Budget Subwatersheds
  - Upper and Single Tier Municipality
  - Lower Tier Municipality
  - Waterbody

- Surface Water (m3/year)
- 0 - 478000
  - 478001 - 1825000
  - 1825001 - 4364000
  - 4364001 - 27016000
  - 27016001 - 83299000

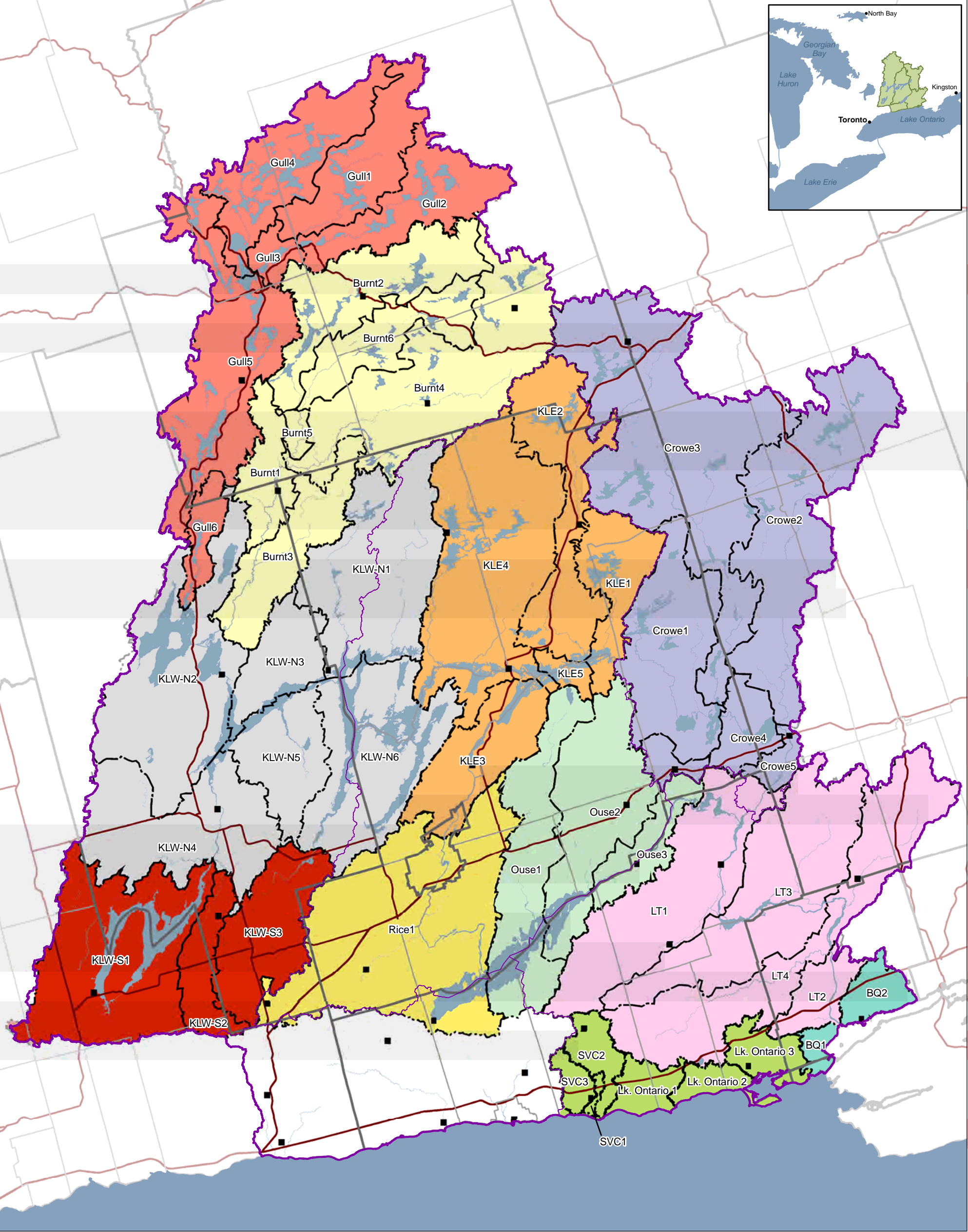
- Groundwater (m3/year)
- 0 - 69000
  - 69001 - 167000
  - 167001 - 360000
  - 360001 - 785000
  - 785001 - 1912000





Trent River Watershed

Tier 1 - Subwatersheds



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OTHER DATA SOURCES:  
Conceptual Water Budget Subwatersheds: Trent Conservation Coalition

Legend

■ Settlements

— Railway

— Watercourse

— Roads

— Highways

— Multi Lane Highway

— Source Protection Region

— Source Protection Areas

— Upper and Single Tier Municipality

— Lower Tier Municipality

— Waterbody

Tier 1 Water Budget Subwatersheds

Conceptual Water Budget Subwatersheds

BAY OF QUINTE TRIBUTARIES

BURNT RIVER

CROWE RIVER

GULL RIVER

KAWARTHA LAKES EAST

LAKE ONTARIO TRIBUTARIES

LOWER TRENT

KAWARTHA LAKES WEST (NORTHERN)

OUSE RIVER

RICE LAKE

KAWARTHA LAKES WEST (SOUTHERN)

Please refer to table 3.3-6 in the text for a description of the Tier 1 subwatersheds

N

0 5 10 20 30 40

Kilometres

Trent Conservation Coalition

Source Protection Region

[www.trentsourceprotection.on.ca](http://www.trentsourceprotection.on.ca)

Trent Assessment Report Map 3-31





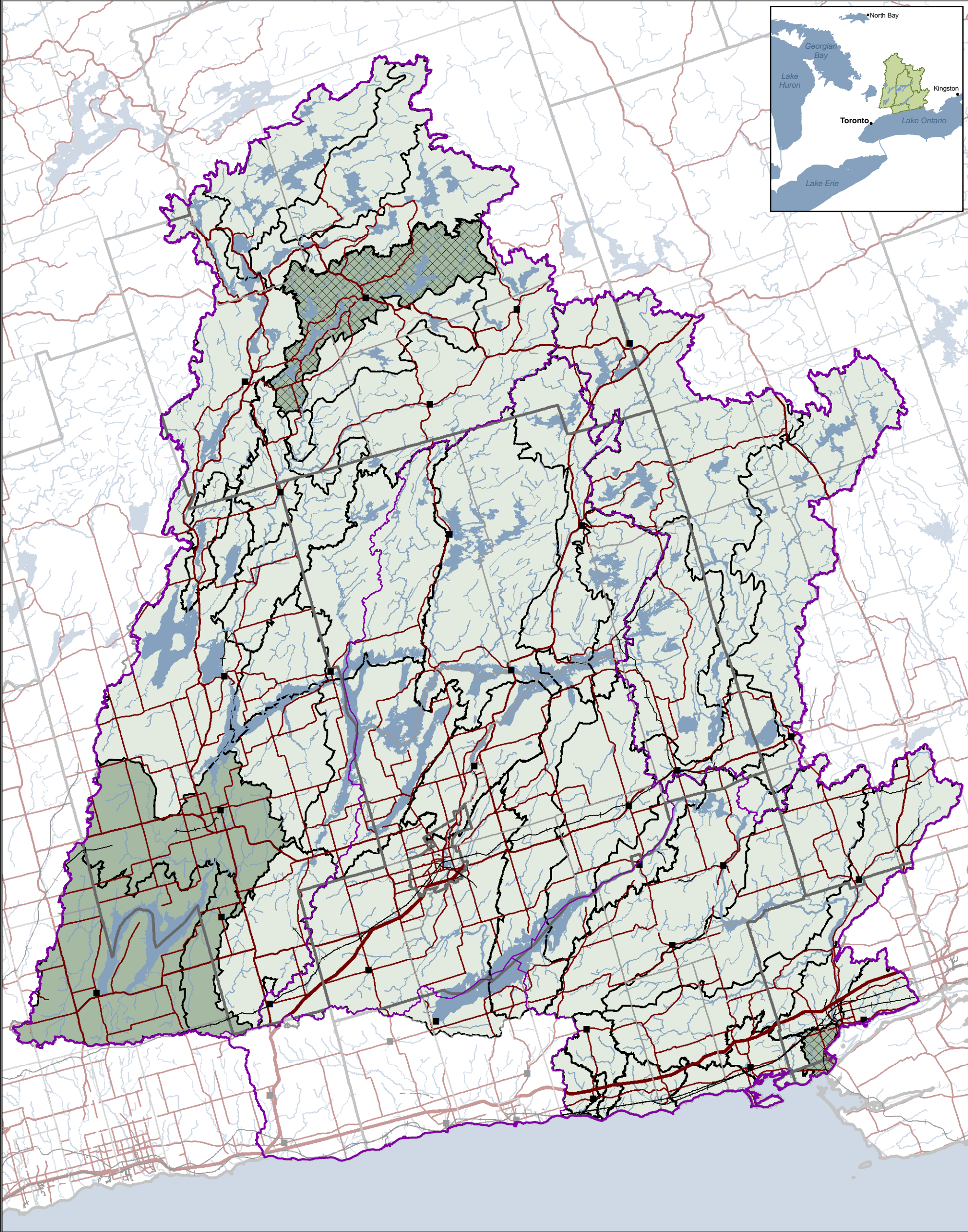
[www.trentsourceprotection.on.ca](http://www.trentsourceprotection.on.ca)



Trent River Watershed

Tier 1 - Surface Water

Stress Levels



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OTHER DATA SOURCES:  
Conceptual Water Budget Subwatersheds: Trent Conservation Coalition

Ontario

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- Settlements

—

Railway

—

Watercourse

—

Roads

—

Highways

—

Multi Lane Highway

—

Source Protection Region

—

Source Protection Areas

—

Upper and Single Tier Municipality

—

Lower Tier Municipality

—

Waterbody

Tier 1 Water Budget Subwatershed

Tier 1 Stressed Subwatershed Without Municipal Drinking Water System

Tier 1 Surface Water Stress Level

Moderate

Low

N

0510203040

Kilometres

Trent Conservation Coalition

Source Protection Region

www.trentsourceprotection.on.ca

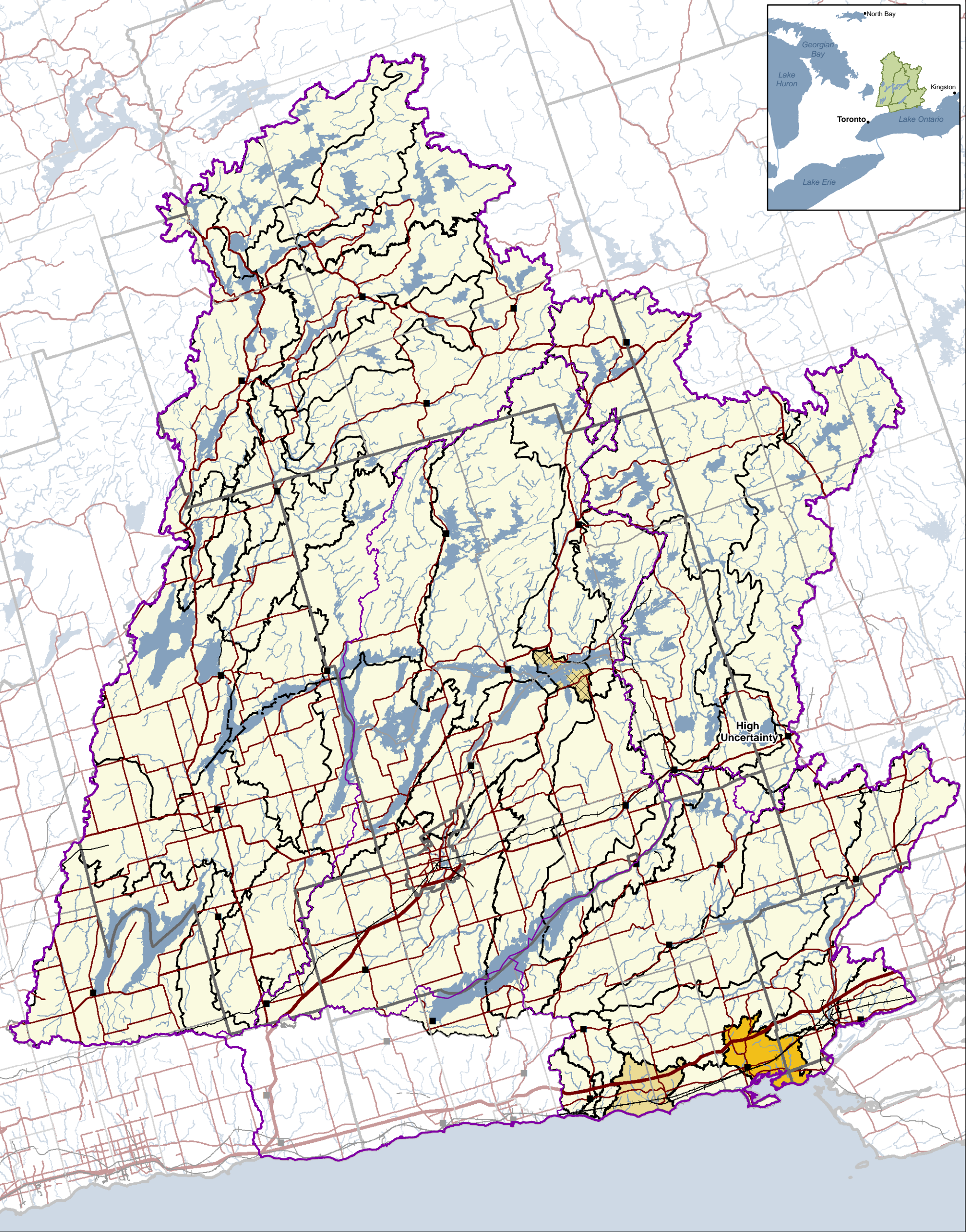
Trent Assessment Report Map 3-33



Trent River Watershed


Tier 1 - Groundwater

Stress Levels



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 Ontario

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Legend

■ Settlements

— Railway

— Watercourse

— Roads

— Highways

— Multi Lane Highway

— Source Protection Region

— Source Protection Areas

— Upper and Single Tier Municipality

— Lower Tier Municipality

— Waterbody

Tier 1 Water Budget Subwatershed

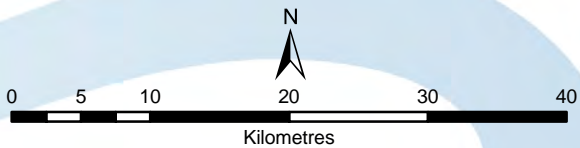
Tier 1 Stressed Subwatershed Without Municipal Drinking Water System

Tier 1 Groundwater Stress Level

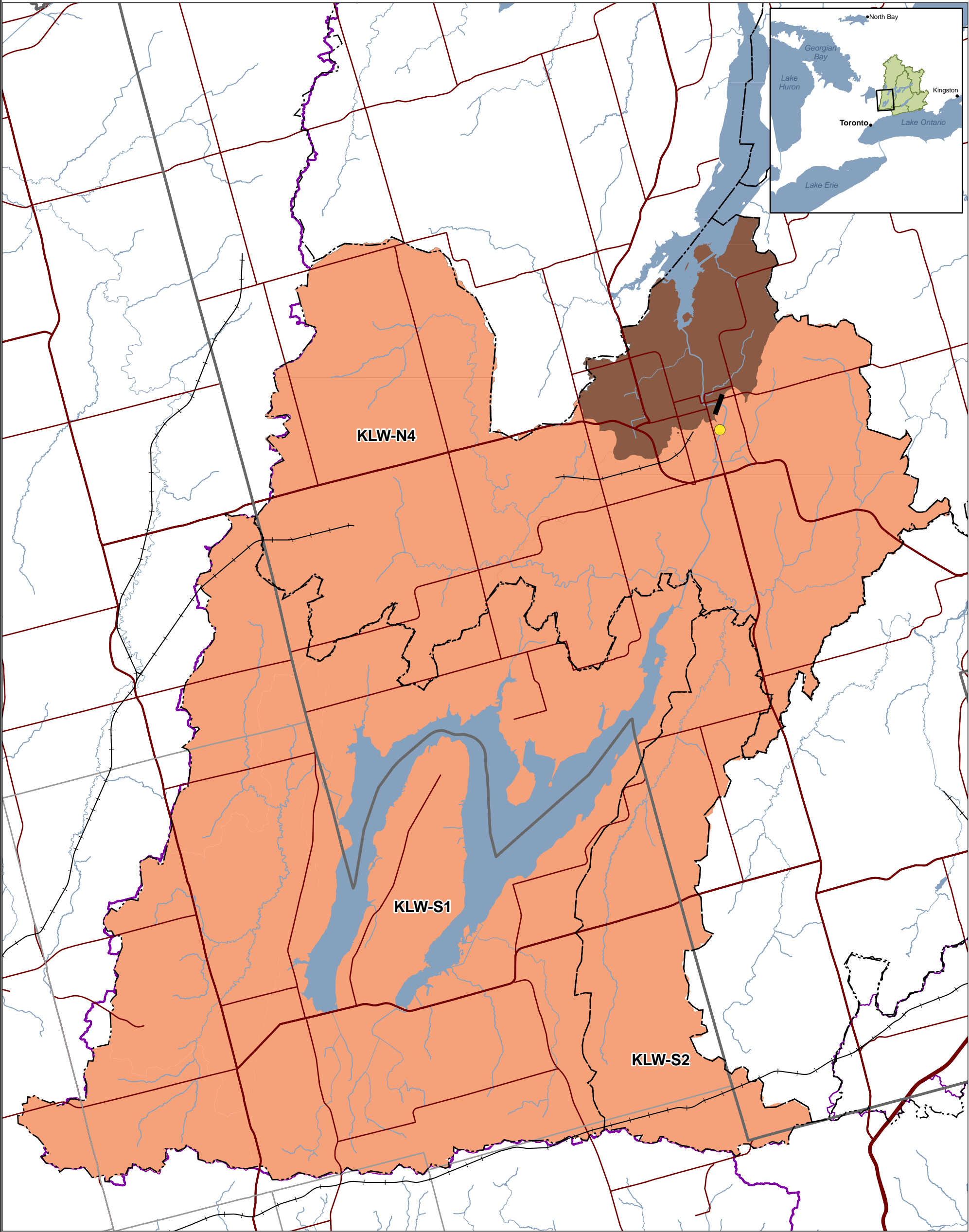
Significant

Moderate

Low







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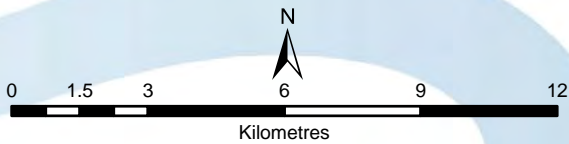
Ontario

Made possible through the support of the Government of Ontario

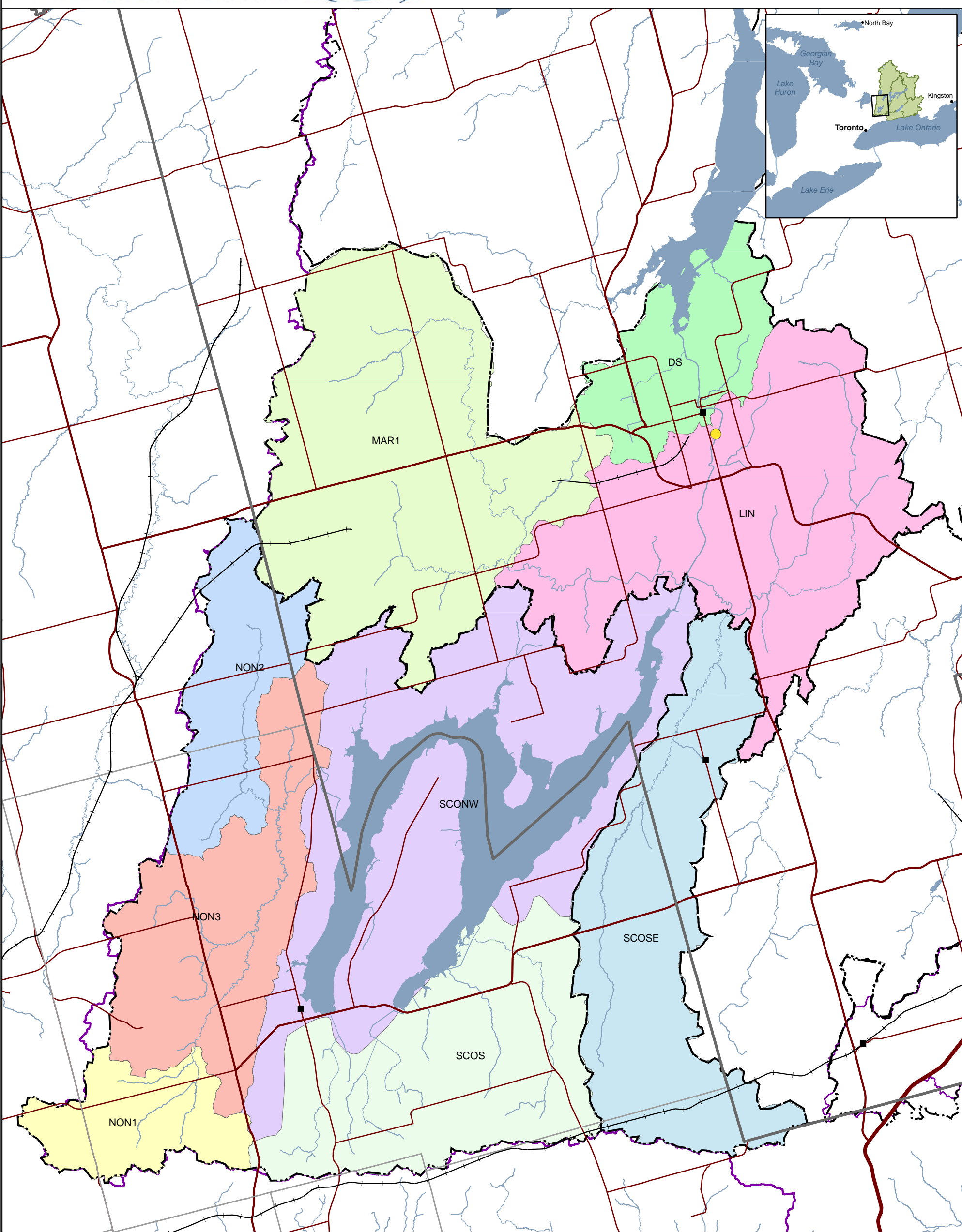
- Legend

  - Settlements
  - Railway
  - Watercourse
  - Roads
  - Highways
  - Multi Lane Highway
  - Source Protection Region
  - Source Protection Areas
  - Upper and Single Tier Municipality
  - Lower Tier Municipality
  - Waterbody

- Lindsay Intake
  - Lindsay Dam
  - Tier 1 Water Budget Subwatersheds
  - Lindsay Intake-defined Subwatershed
  - Downstream of Lindsay Dam





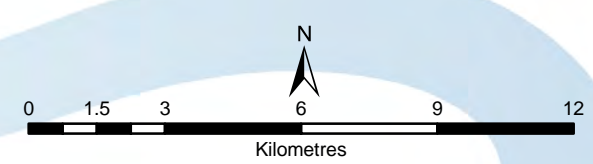


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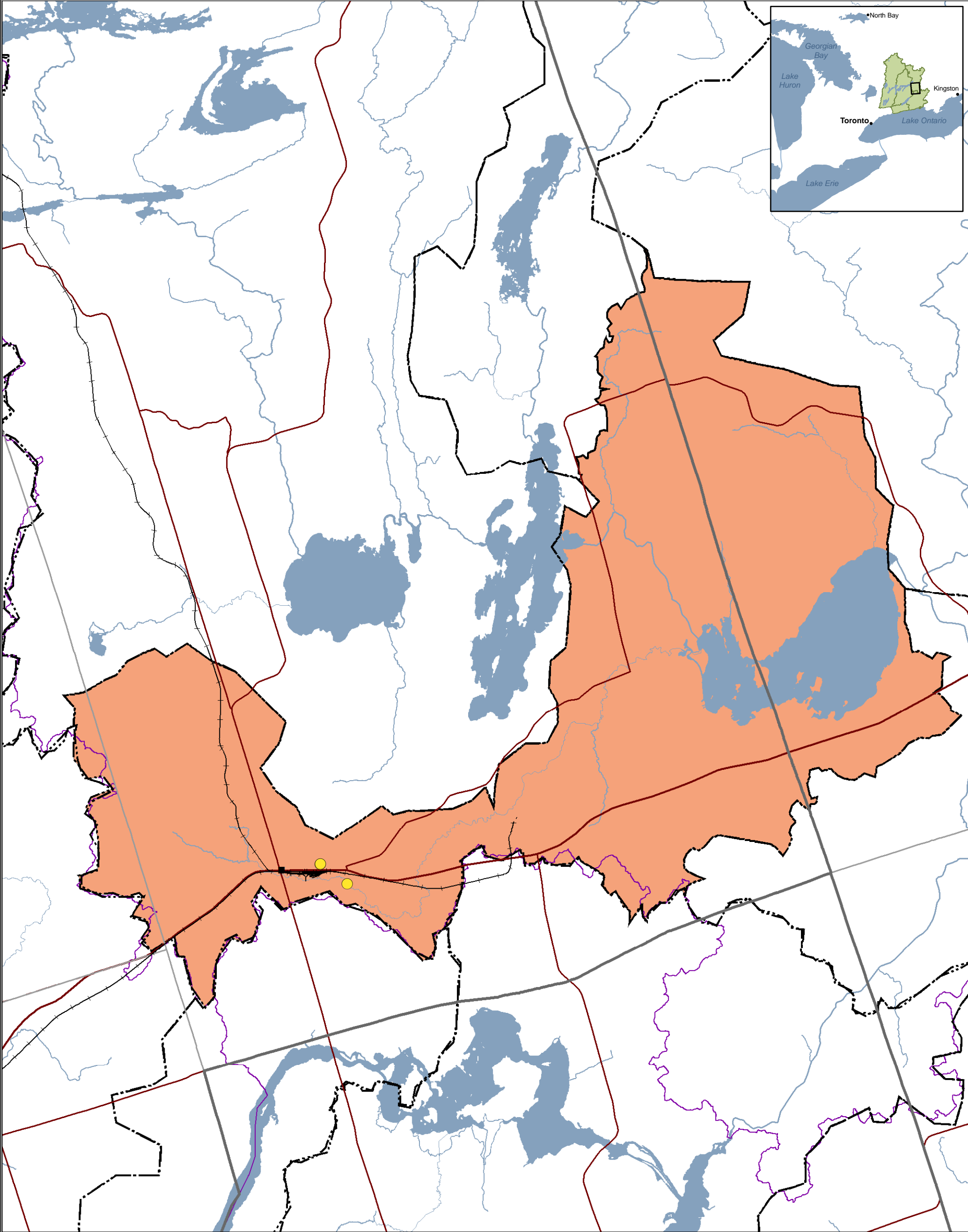
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**Ontario**  
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- Legend**
- Settlements
  - Railway
  - Watercourse
  - Roads
  - Highways
  - Multi Lane Highway
  - Source Protection Region
  - Source Protection Areas
  - Upper and Single Tier Municipality
  - Lower Tier Municipality
  - Waterbody
- Discretization of Lindsay Subwatershed for modeling**
- Lindsay Municipal Intake
  - Tier 1 Water Budget Subwatersheds
  - SCONW - Scugog Northwest Subwatershed
  - SCOS - Scugog South Subwatershed
  - SCOSE - Scugog Southeast Subwatershed
  - LIN - Lindsay Subwatershed
  - MAR 1 - Mariposa Brook 1 Subwatershed
  - NON 1 - Nonquon River 1 Subwatershed
  - NON 2 - Nonquon River 2 Subwatershed
  - NON 3 - Nonquon River 3 Subwatershed
  - DS - Subwatershed downstream of Lindsay Dam







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Ontario

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- Settlements

—

Railway

—

Watercourse

—

Roads

—

Highways

—

Multi Lane Highway

—

Source Protection Region

—

Source Protection Areas

—

Upper and Single Tier Municipality

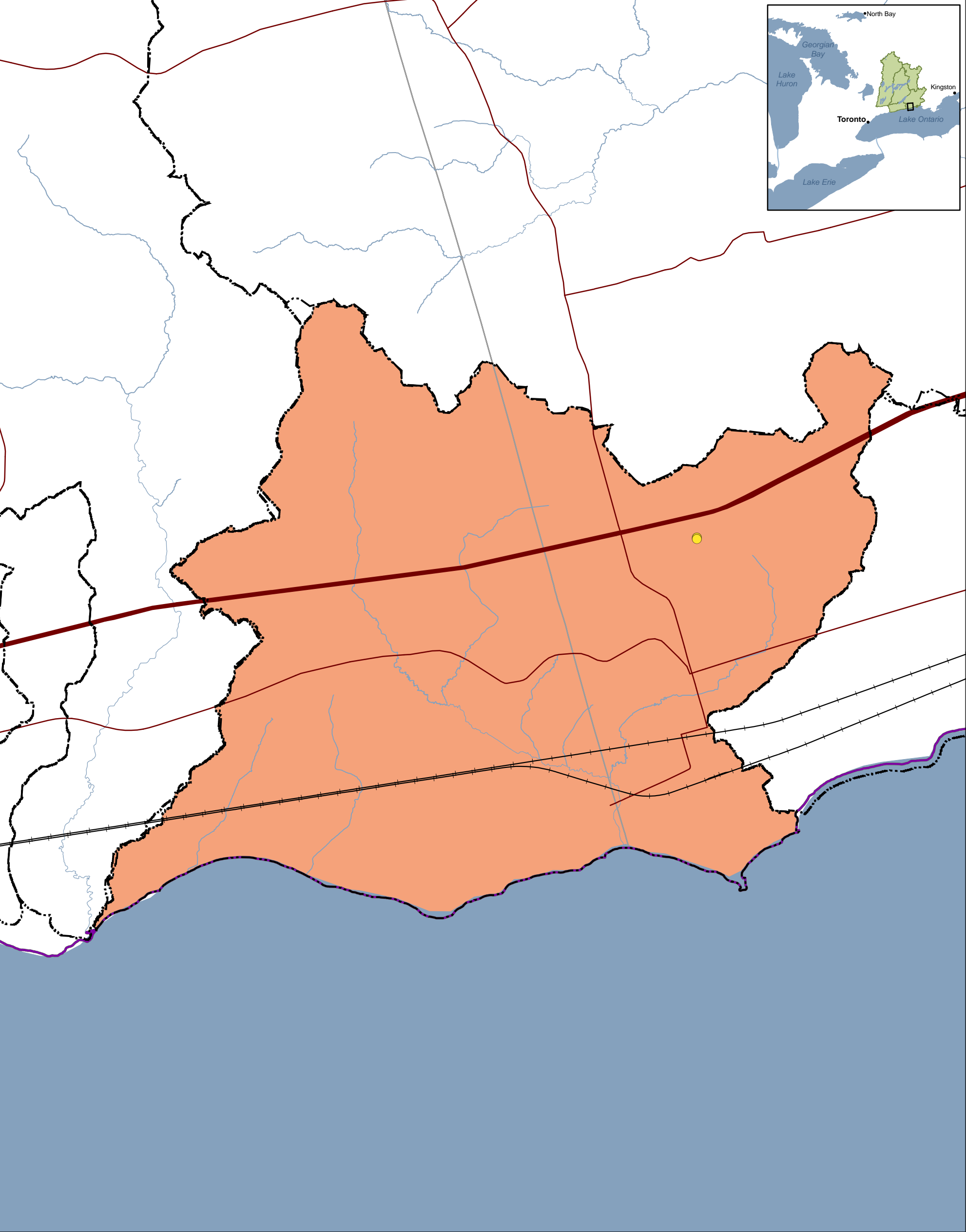
—

Lower Tier Municipality

—


Waterbody
- Havelock Municipal Wells
- Tier 1 Water Budget Subwatersheds
- Subwatershed Containing Havelock Wells





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Ontario

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- Legend
- Settlements

—+—

Railway

—

Watercourse

—

Roads

—

Highways

—

Multi Lane Highway

—

Source Protection Region

—

Source Protection Areas

—

Upper and Single Tier Municipality

—

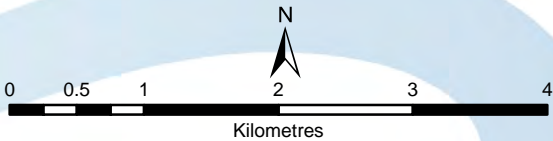
Lower Tier Municipality

—

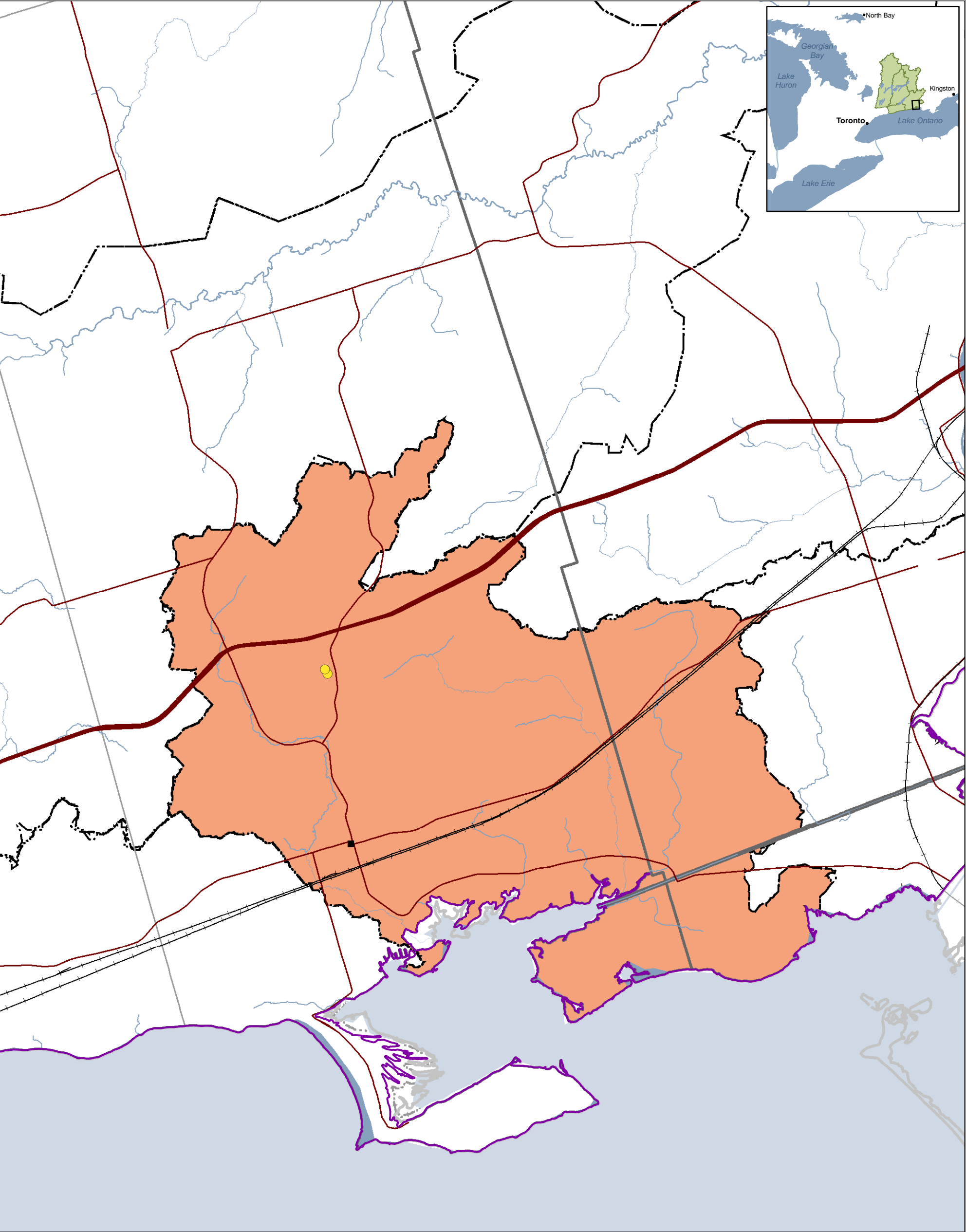
Waterbody
- Colborne Municipal Wells

Tier 1 Water Budget Subwatersheds

Subwatershed Containing Colborne Wells








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 Ontario  
Made possible through the support of the Government of Ontario

- Legend
- Settlements

— Railway

— Watercourse

— Roads

— Highways

— Multi Lane Highway

— Source Protection Region

— Source Protection Areas

— Upper and Single Tier Municipality

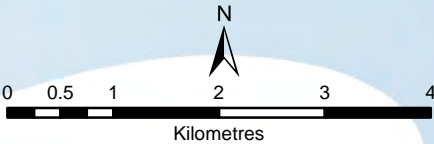
— Lower Tier Municipality

— Waterbody

● Brighton Municipal Wells

--- Tier 1 Water Budget Subwatersheds

■ Subwatershed Containing Brighton Wells





# Trent River Watershed

## Tier 2 - Surface Water

### Subwatershed Stress Level

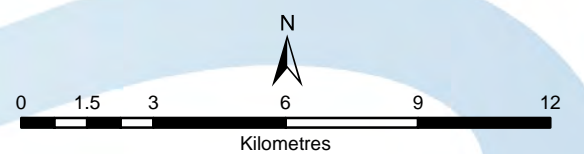


This map has been prepared for the purpose of meeting the provincial requirements under the Clean Water Act, 2006. If it is proposed to use it for another purpose, it would be advisable to first consult with the responsible conservation authority.

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**Ontario**  
Made possible through the support of the Government of Ontario

- Legend**
- Settlements
  - Railway
  - Watercourse
  - Roads
  - Highways
  - Multi Lane Highway
  - Source Protection Region
  - Source Protection Areas
  - Upper and Single Tier Municipality
  - Lower Tier Municipality
  - Waterbody
  - Lindsay Municipal Intake
  - Tier 1 Water Budget Subwatersheds
  - Low Stress



**Trent Conservation Coalition  
Source Protection Region**

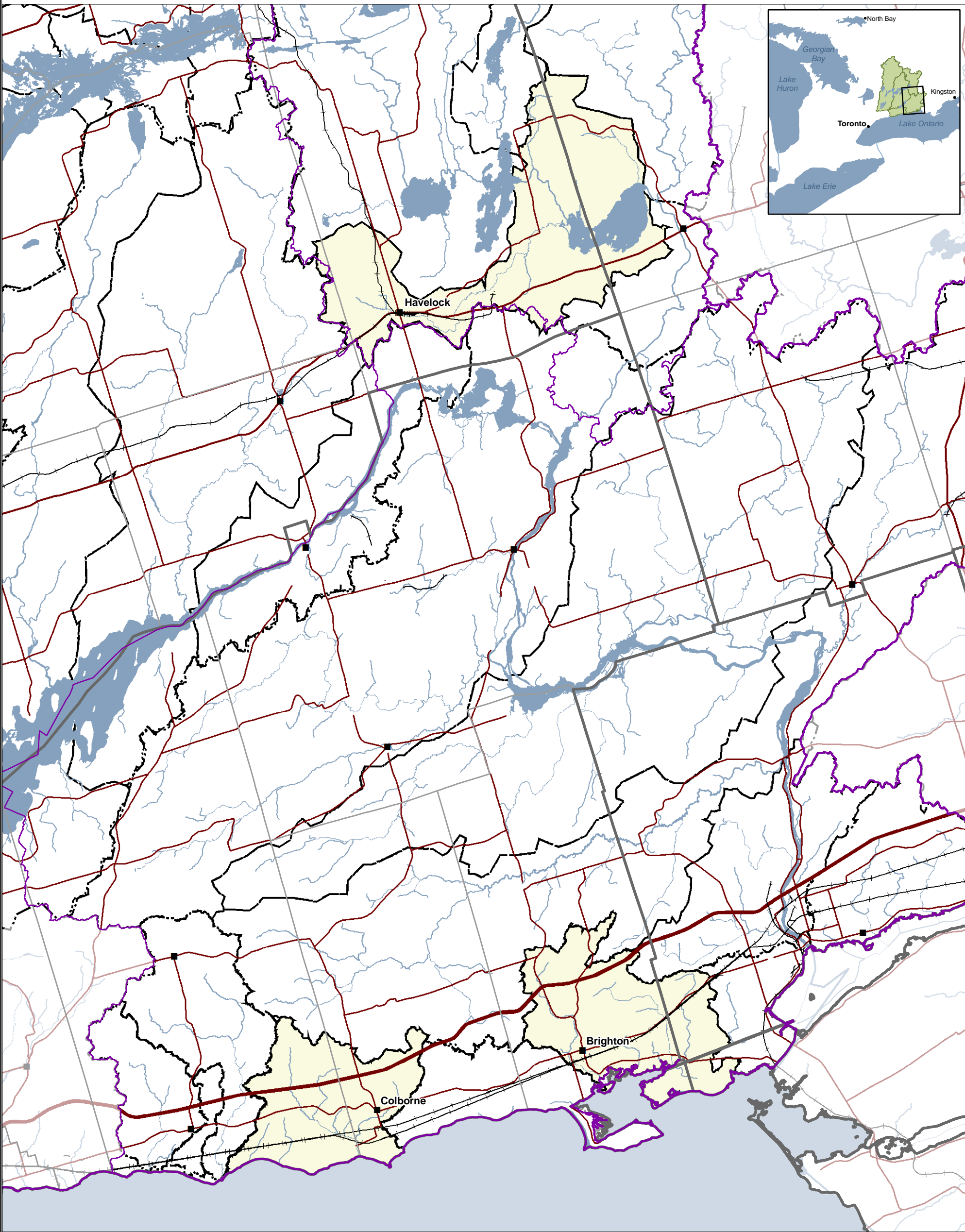
[www.trentsourceprotection.on.ca](http://www.trentsourceprotection.on.ca)



# Trent River Watershed


## Tier 2 - Groundwater

### Subwatershed Stress Level

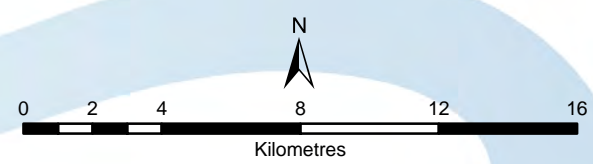


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 **Ontario**  
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- Legend**
- Settlements
  - Railway
  - Watercourse
  - Roads
  - Highways
  - Multi Lane Highway
  - Source Protection Region
  - Source Protection Areas
  - Upper and Single Tier Municipality
  - Lower Tier Municipality
  - Waterbody
  - Tier 1 Water Budget Subwatersheds
  - Low Stress



**Trent Conservation Coalition**  
**Source Protection Region**  
[www.trentsourceprotection.on.ca](http://www.trentsourceprotection.on.ca)



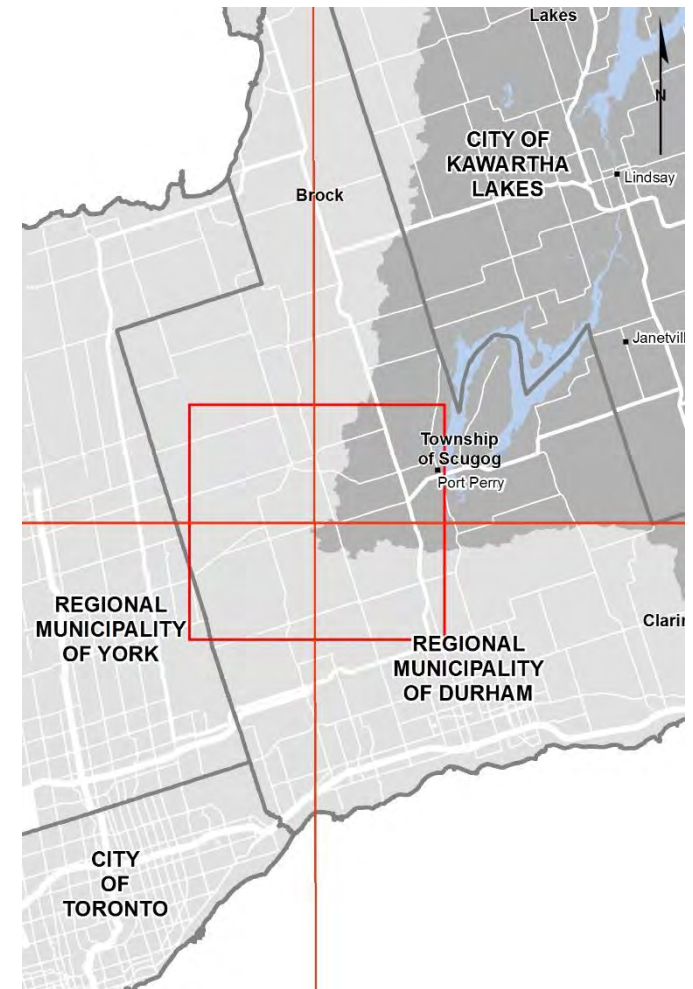
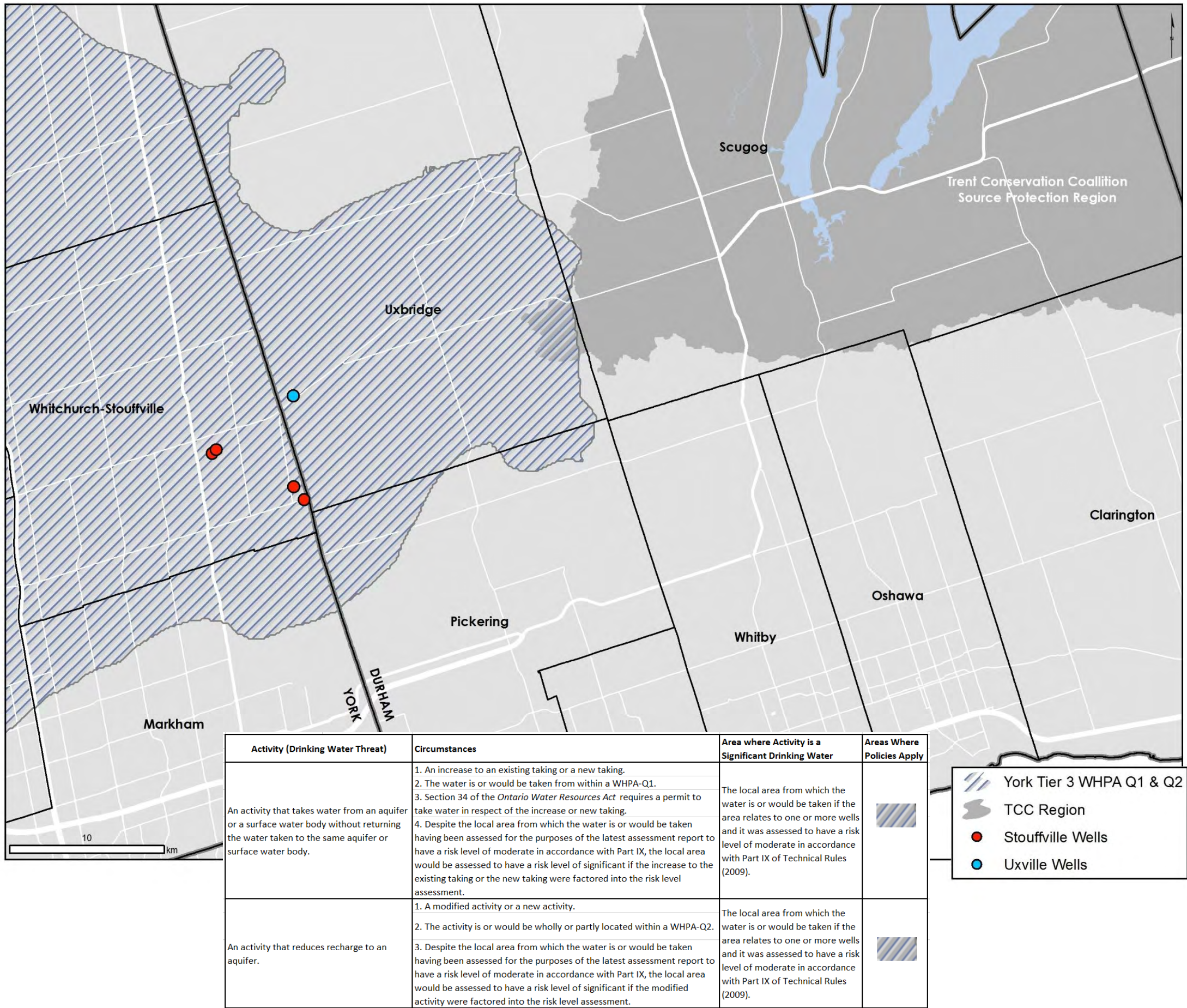
Water Quantity Demand

Q1 & Recharge Q2

Kawartha-Haliburton

Source Protection Area

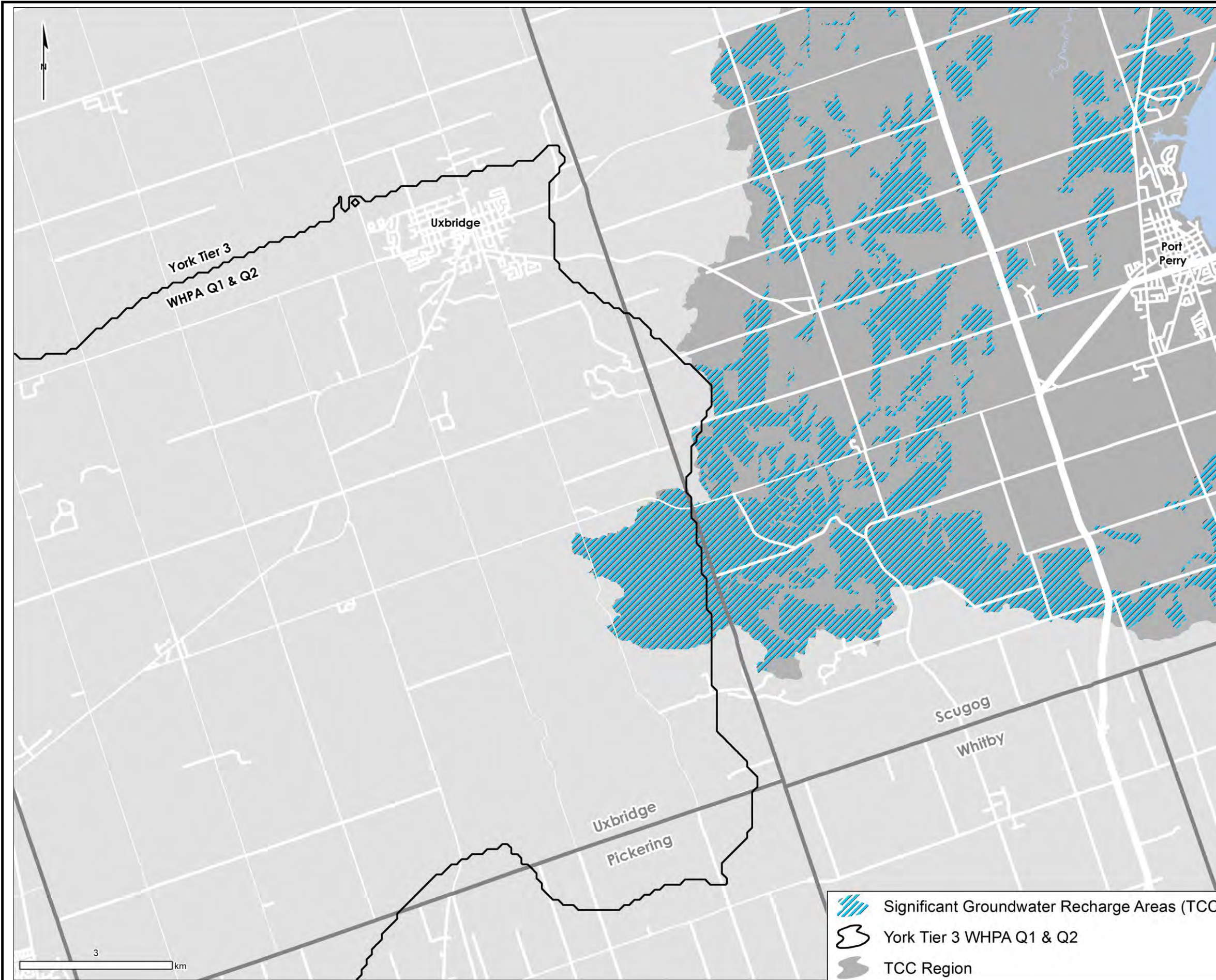
Policy Applicability Map



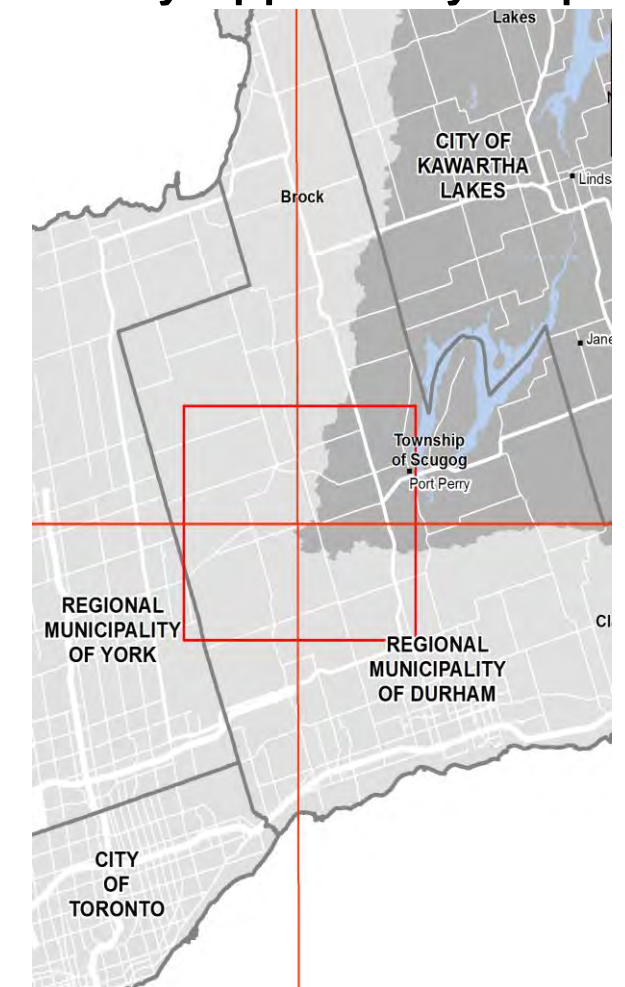
PRODUCED BY Lower Trent Conservation on behalf of the Trent Conservation Coalition Source Protection Committee, 2015.

Waterbodies and watercourses located within the extent of an intake protection zone or wellhead protection area are included in that zone.





## Water Quantity: Policy Z-1 WHPA Q2 and SGRA - Kawartha-Halibirton Source Protection Area Policy Applicability Map



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**Trent Conservation Coalition  
Source Protection Region**

[www.trentsourceprotection.on.ca](http://www.trentsourceprotection.on.ca)