

Peterborough County Watershed Plan Equivalent Map Book

Prepared for: Peterborough County

Prepared by: Onterris Canada Inc.

Submittal date: July 2026

Project No. 40848

Version 1.0

Peterborough County Watershed Plan Equivalent Map Book

Prepared for: Peterborough County

July 2026

Contributors

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Desta Frey, M.Sc., P.Biol.	Ecologist	Natural Heritage Author

Version Control

Version	Date	Issue Type	Filename	Description
V0.1	3-Jun-2026	Draft	40848 PCWP Map Book 2026-06-03 draft v0.1.docx	Issued to client for review
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V1.0	21-Jul-2026	Final	40848 PCWP Vol.2 2026-07-21 draft v0.2.docx	Issued to client

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Preamble

This Watershed Plan is intended to be a “living document” which provides a basis for both sources of data / mapping and planning / management guidance that can be updated and adapted over time based on evolving circumstances and the outcomes of collaborative efforts.

This Watershed Plan (Volumes 1 and 2) was developed between the fall of 2024 and the spring of 2026 based on the most current data / mapping and applicable policies / regulations / guidelines made available to the team. It is understood that data / mapping and policies / regulations / guidelines will continue to be updated/change after this Plan is finalized, and that moving forward, future work and studies, based on this Plan, should consider the most current and applicable information, available at that time. This map book is intended to be reviewed in conjunction with both the Volume 1: Characterization and Volume 2: Planning and Management Guidance reports.

Inclusion of First Nations Historical Context in the Volume 1 Foreword

The Michi Saagiig historical / background context prepared by Gitiga Migizi, a respected Elder and Knowledge Keeper of the Michi Saagiig Nation was provided to the County as part of the feedback on Peterborough County’s Draft Watershed Plan by Curve Lake First Nation on April 22, 2026. It has been included in the Foreword to Volume 1 of this Watershed Plan, with Curve Lake First Nation’s permission, to recognize and share this context provided from the perspective of the peoples who have lived on these lands for thousands of years.

Note on the Pending Consolidation of Conservation Authorities in Ontario

On March 10, 2026, the Province announced a revised framework to merge Ontario’s 36 Conservation Authorities (CAs) into nine (9) Regional CAs. The transition timeframe to this framework is targeted for February 1, 2027.

For Peterborough County, this means there will be one Regional CA (i.e., Eastern Lake Ontario Regional Conservation Authority) instead of the current four CAs (i.e., Otonabee Conservation, Ganaraska Conservation, Crowe Valley Conservation Authority and Kawartha Conservation). However, for the purposes of this Watershed Plan, which was developed over 2025 and finalized in 2026, the references to the four CAs have been retained, as this transition was still in progress at the time of Watershed Plan completion.

Notably, only part of the County (i.e., the southwestern area largely overlapping with Ecoregion 6E) is under the jurisdiction of CAs. The northeastern part of the County (i.e., the area largely overlapping with Ecoregion 5E) remains outside the jurisdiction of any CA, and activities that may impact key environmental resources, including water (as well as fisheries, wildlife and forests) continues to be managed by the Province, currently through the Ontario’s Ministry of Natural Resources (OMNR). In addition, Parks Canada continues to actively manage water levels and flows through the Trent-Severn Waterway, with over a quarter of this waterway running through Peterborough County.

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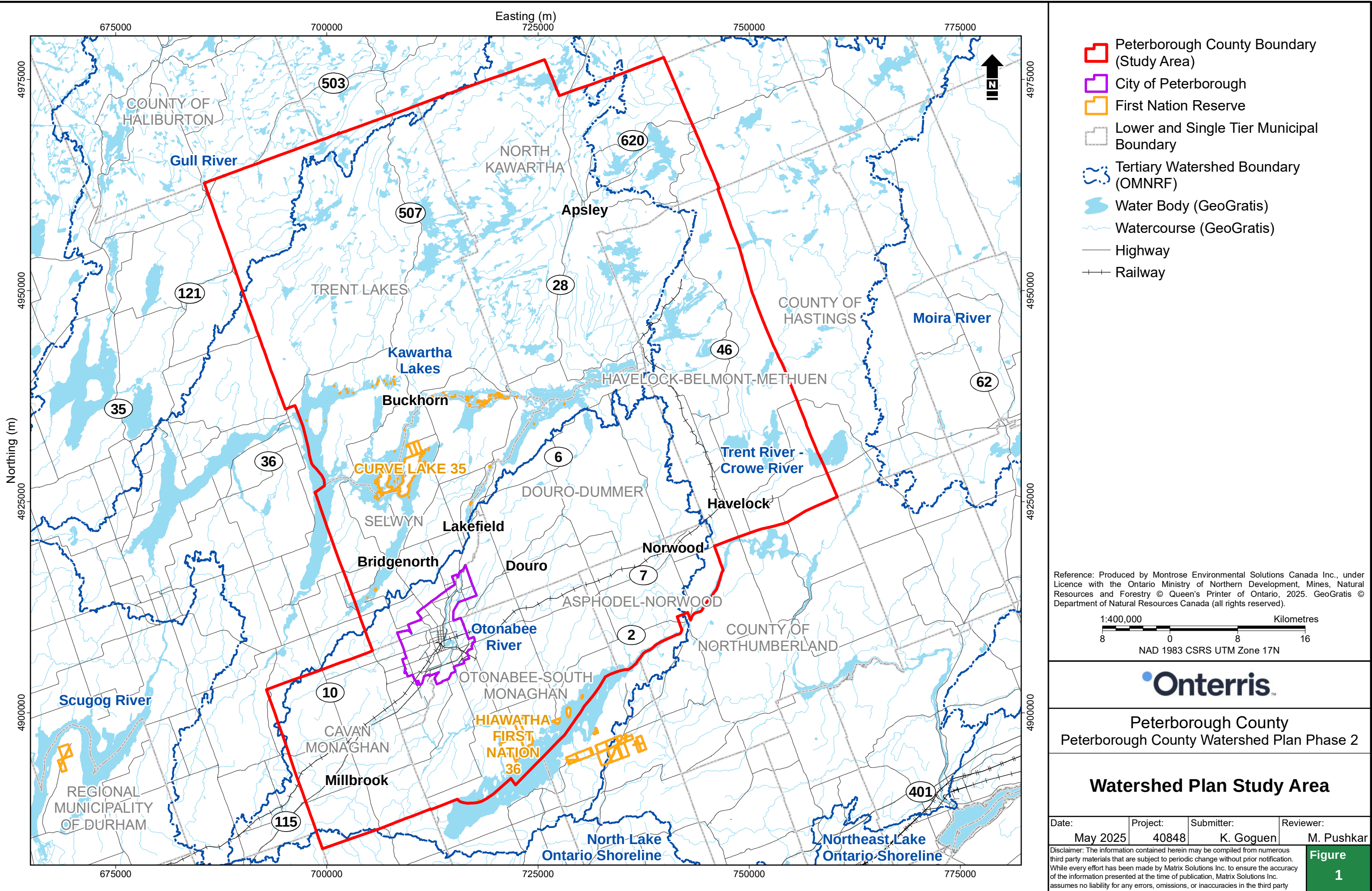
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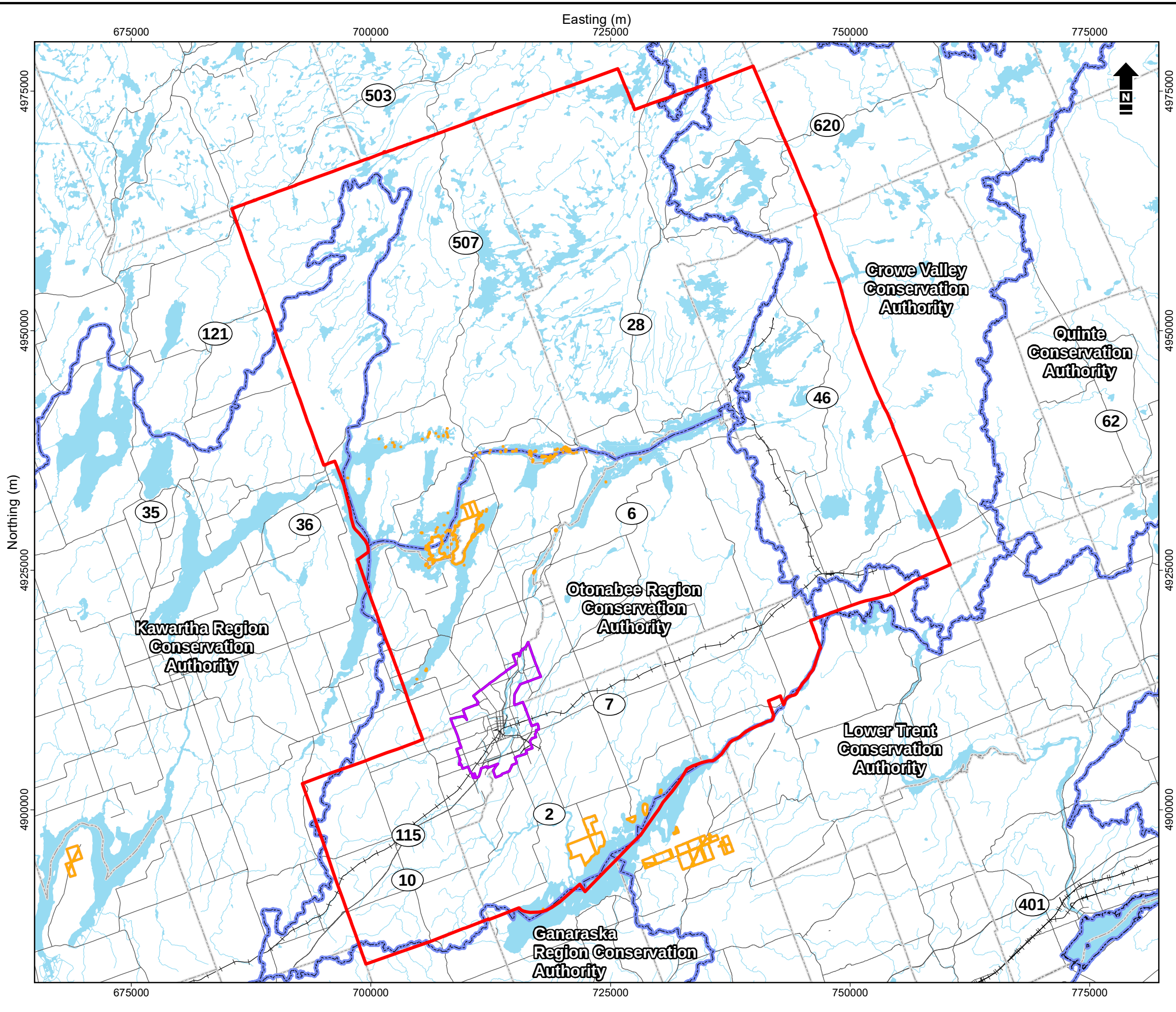
Volume 1

Characterization of Existing
Conditions Maps

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I:\CountyOfPeterborough\40848\FiguresAndTables\WAP\2024\Report\Phase2\Figure-2-Conservation_Authority_Boundaries_Overlapping_Study_Area.mxd - Tabloid_L - 02-May-25, 09:56 AM - Inwright - TID005



- Peterborough County Boundary (Study Area)
- City of Peterborough
- First Nation Reserve
- Lower and Single Tier Municipal Boundary
- Conservation Authority Boundary (LIO)
- Water Body (GeoGratis)
- Watercourse (GeoGratis)
- Highway
- Railway

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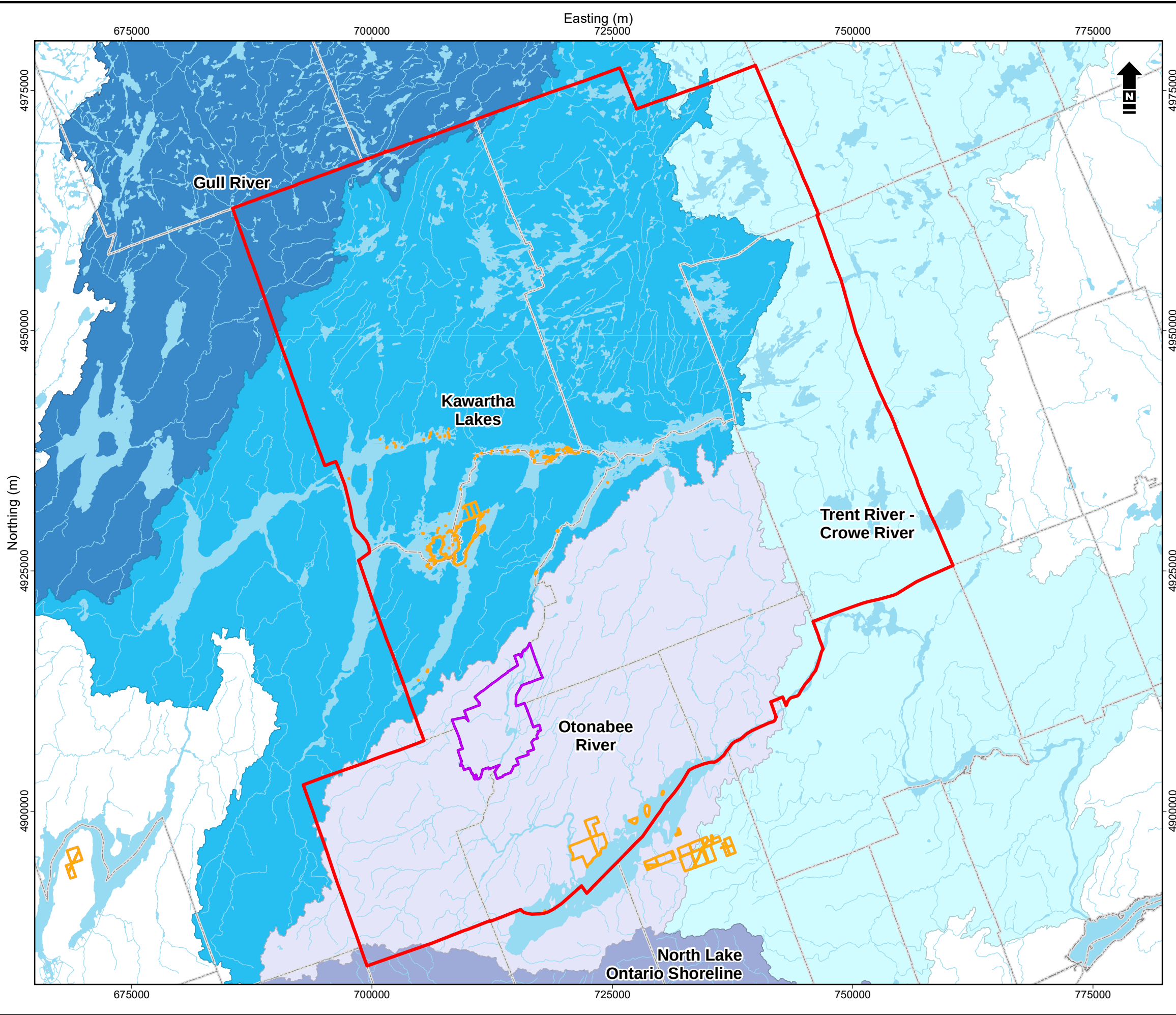
Peterborough County
Peterborough County Watershed Plan Phase 2

Conservation Authority Boundaries Overlapping with Study Area

Date:	Project:	Submitter:	Reviewer:
May 2025	40848	K. Goguen	M. Pushkar

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 Peterborough County Boundary
(Study Area)

 City of Peterborough

 First Nation Reserve

 Lower and Single Tier Municipal
Boundary

 Water Body (GeoGratis)

 Watercourse (GeoGratis)

**Tertiary Watershed Boundary
(OMNRF)**

 Gull River

 Kawartha Lakes

 North Lake Ontario Shoreline

 Otonabee River

 Trent River - Crowe River

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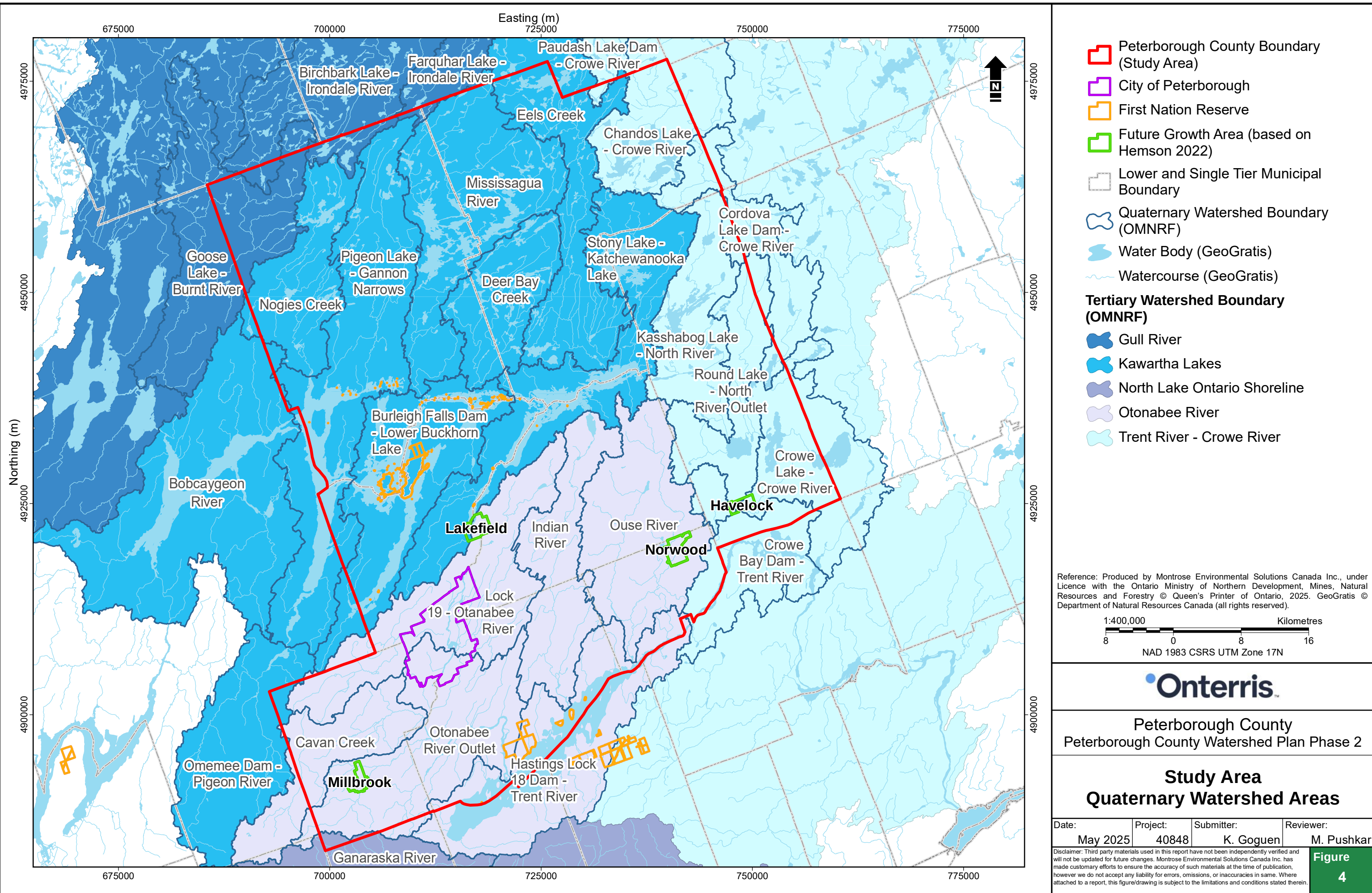
Peterborough County
Peterborough County Watershed Plan Phase 2

**Study Area
Tertiary Watershed Areas**

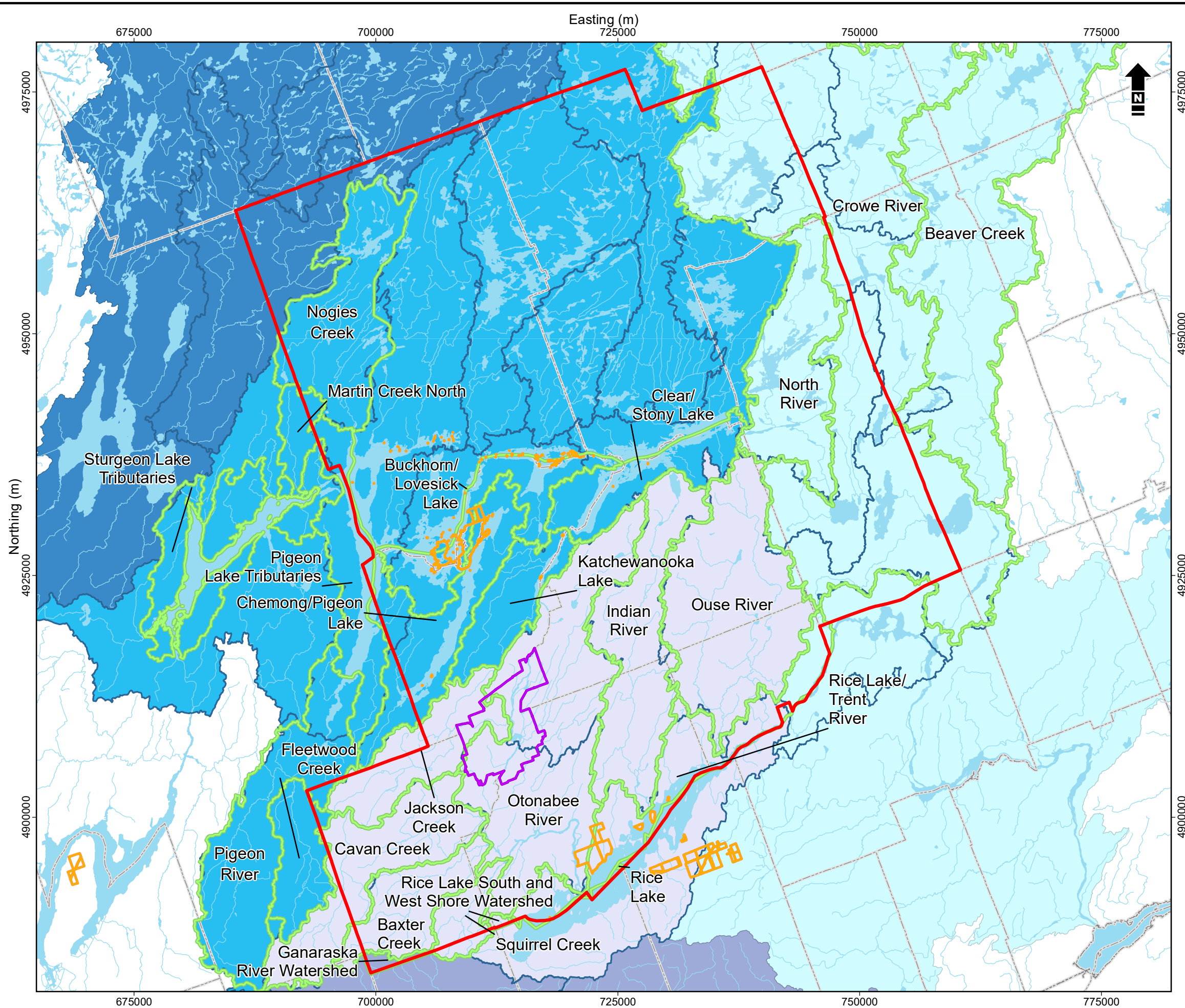
Date:	Project:	Submitter:	Reviewer:
May 2025	40848	K. Goguen	M. Pushkar

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Peterborough County
Peterborough County Watershed Plan Phase 2

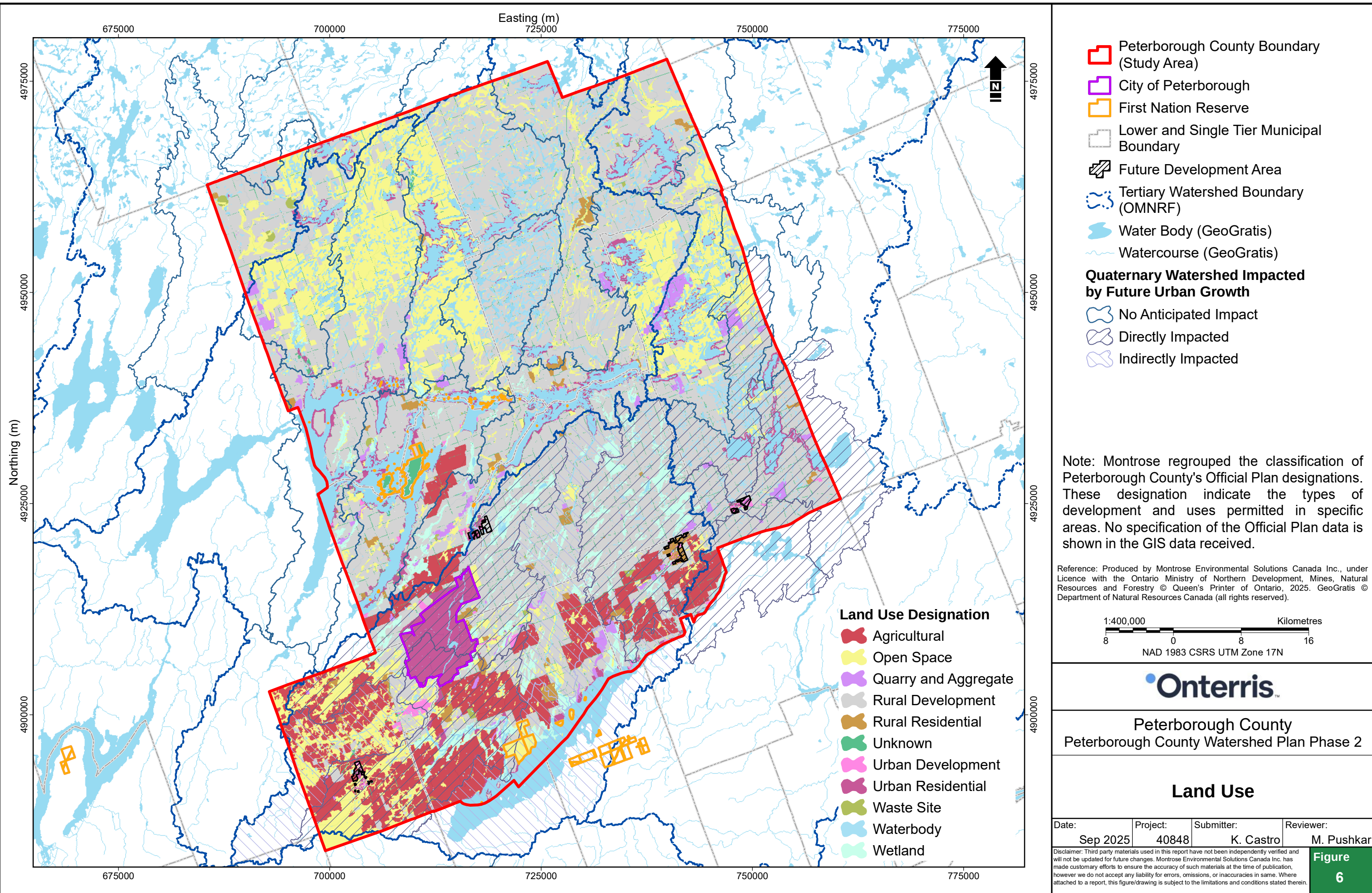
**Conservation Authority Provided
Subwatershed Areas within the
Study Area**

Date:	Project:	Submitter:	Reviewer:
May 2025	40848	K. Goguen	M. Pushkar

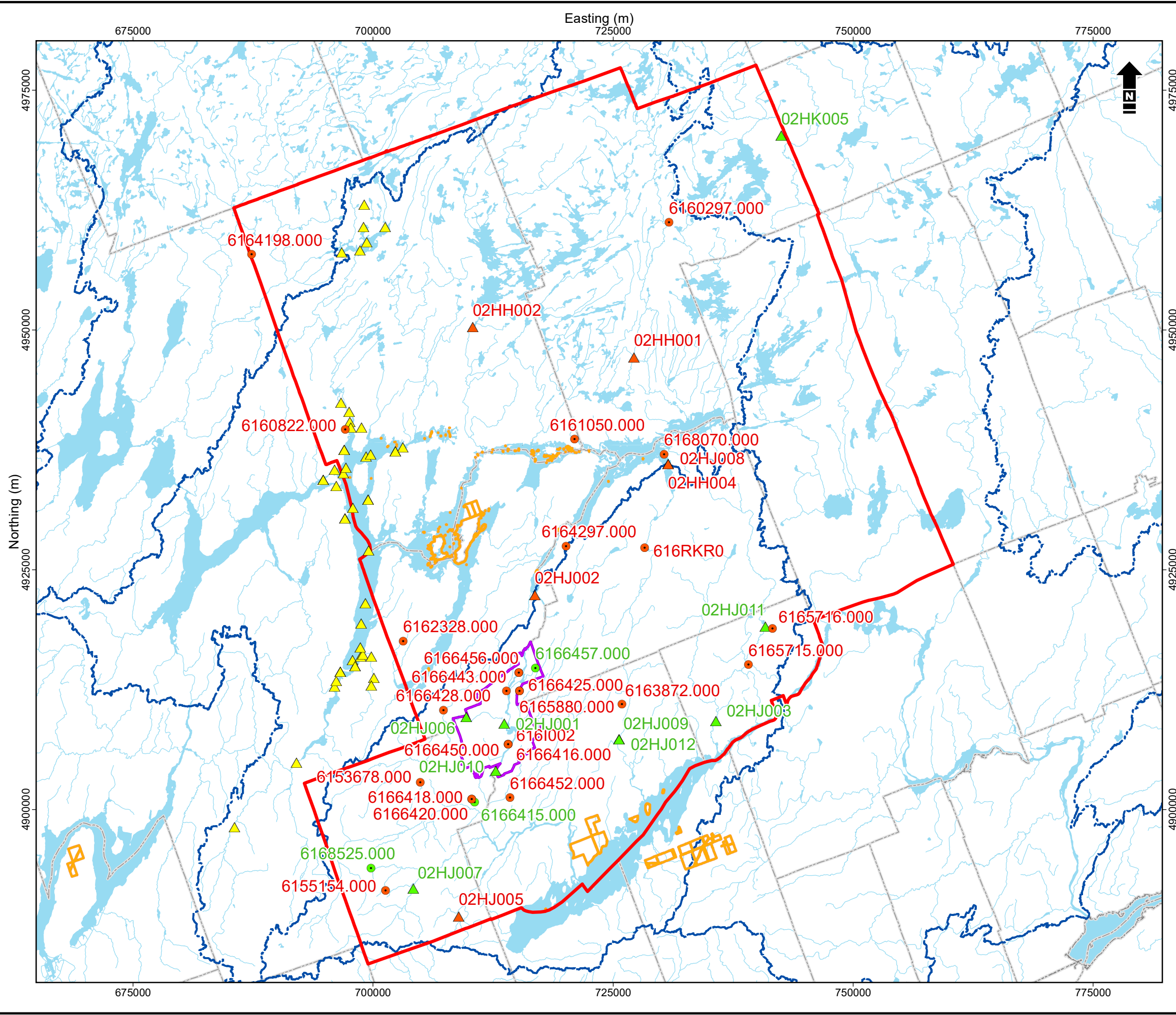
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**Figure
5**

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Peterborough County Watershed Plan Phase 2

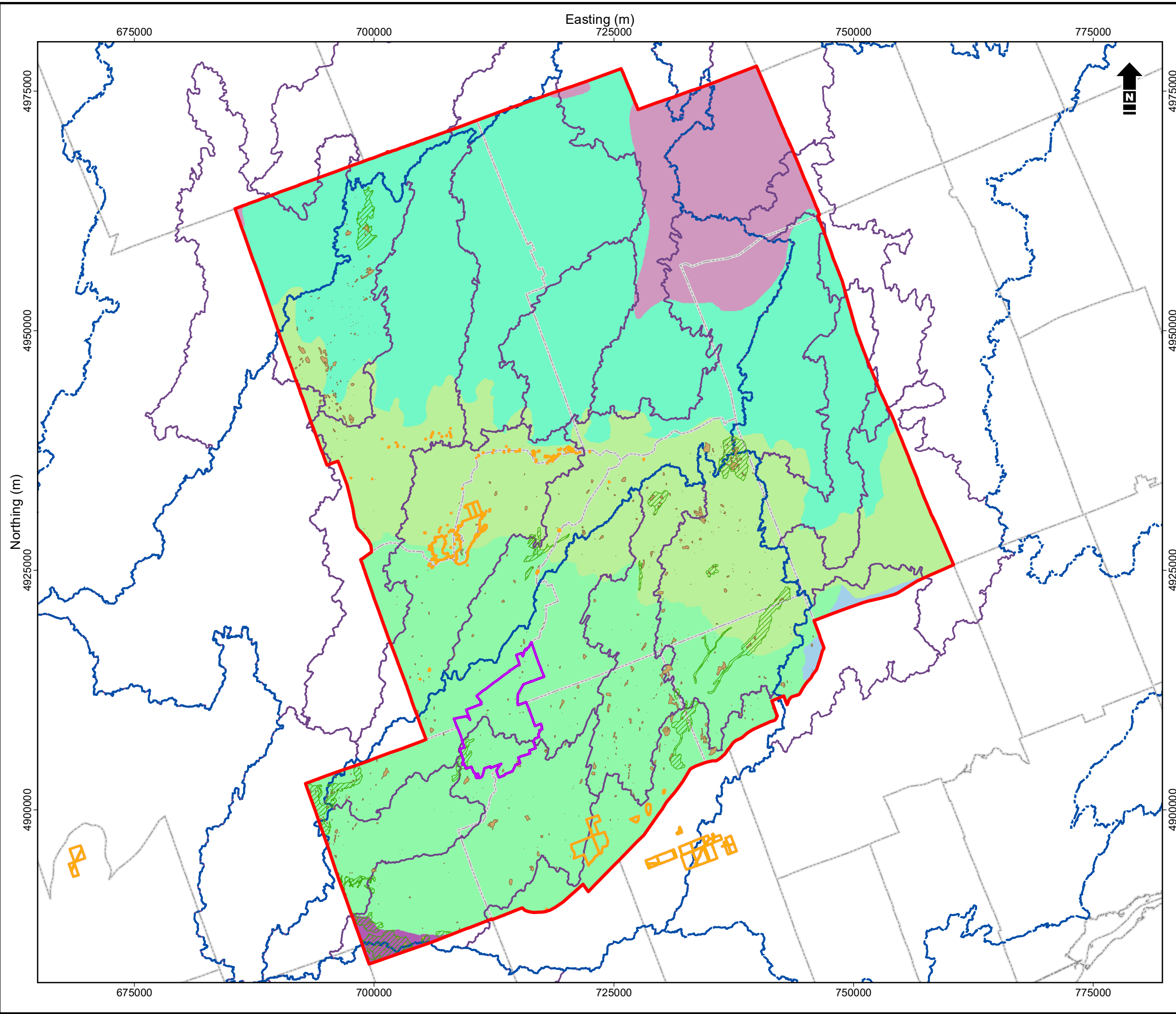
Monitoring Station Locations

Date:	Project:	Submitter:	Reviewer:
Sep 2025	40848	K. Castro	M. Pushkar

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Figure 7

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- Peterborough County Boundary (Study Area)
- City of Peterborough
- First Nation Reserve
- Lower and Single Tier Municipal Boundary
- Tertiary Watershed Boundary (OMNRF)
- Quaternary Watershed
- Hummocky Terrain
- Closed Depression
- Physiographic Region (OGS MRD228)**
 - 30 - Oak Ridges Moraine
 - 31 - Peterborough Drumlin Field
 - 38 - Dummer Moraines
 - 41 - Iroquois Plain
 - 53 - Algonquin Highlands
 - 54 - Georgian Bay Fringe

Reference: Chapman, L.J. and Putnam, D.F. 2007. Physiography of southern Ontario; Ontario Geological Survey, Miscellaneous Release—Data 228. Produced by Montrose Environmental Solutions Canada Inc., under Licence with the Ontario Ministry of Northern Development, Mines, Natural Resources and Forestry © Queen's Printer of Ontario, 2025. GeoGratis © Department of Natural Resources Canada (all rights reserved).

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NAD 1983 CSRS UTM Zone 17N



Peterborough County
Peterborough County Watershed Plan Phase 2

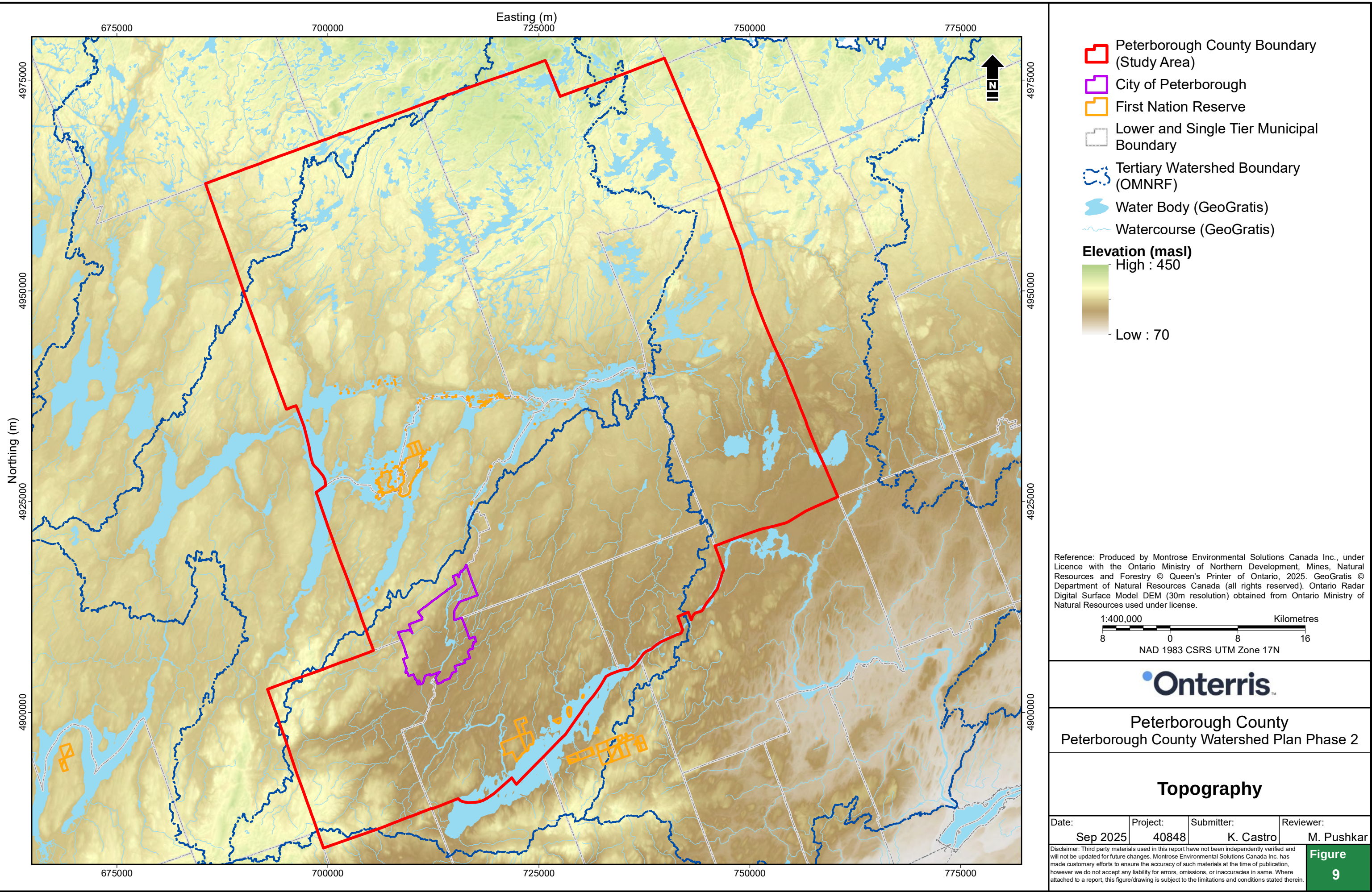
Physiography

Date:	Project:	Submitter:	Reviewer:
July 2026	40848	D. Parikh	M. Pushkar

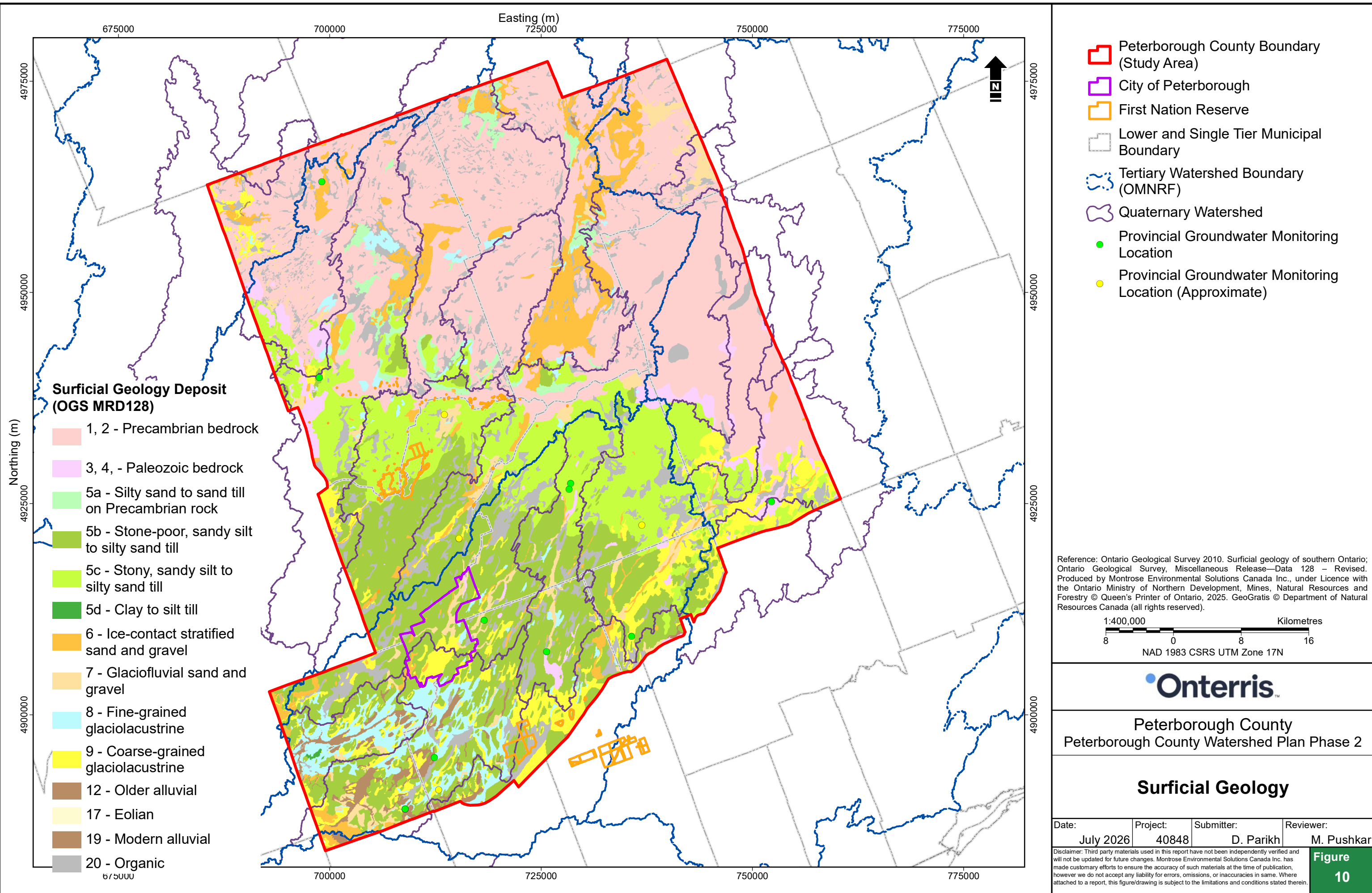
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Figure
8

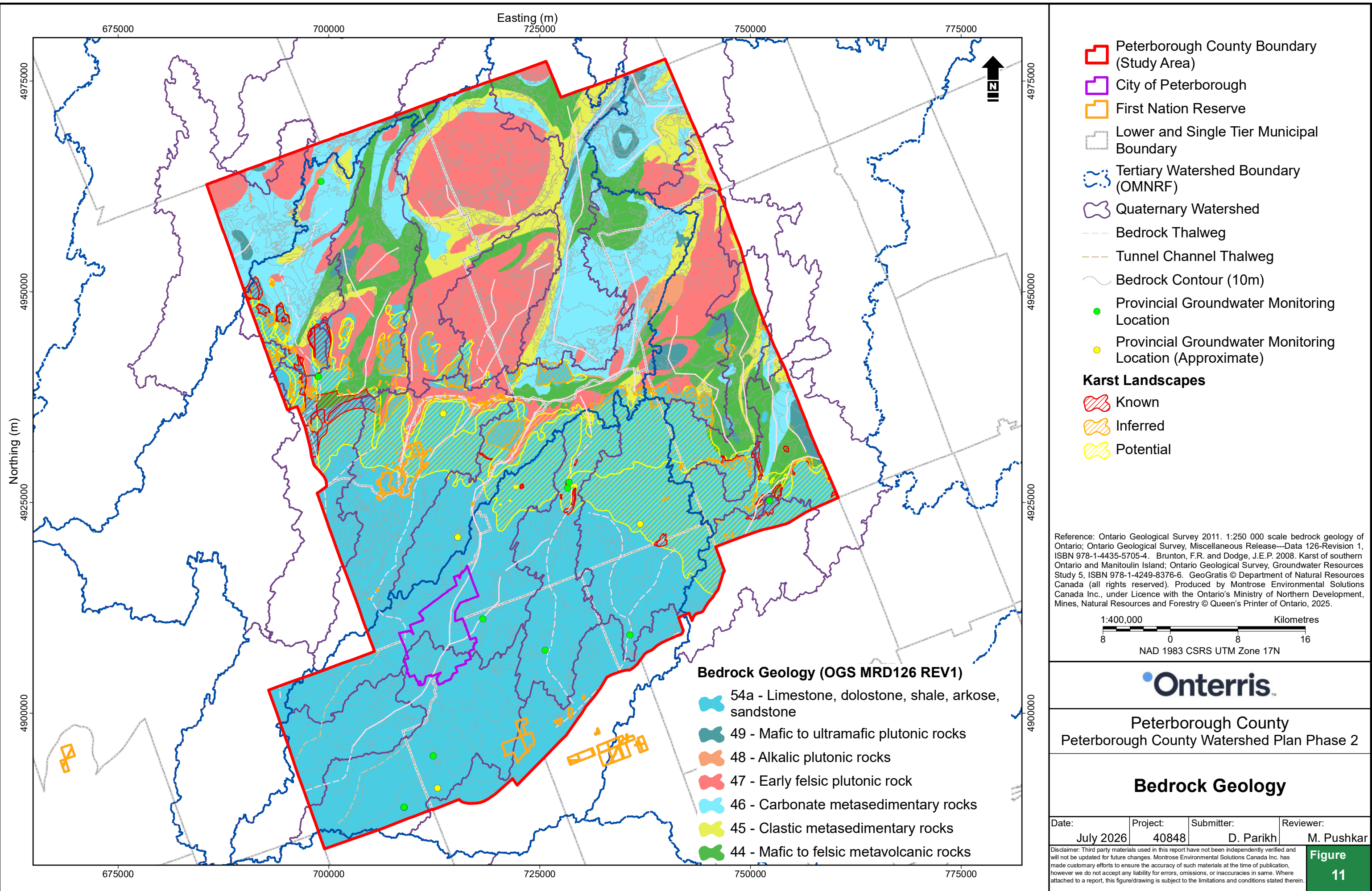
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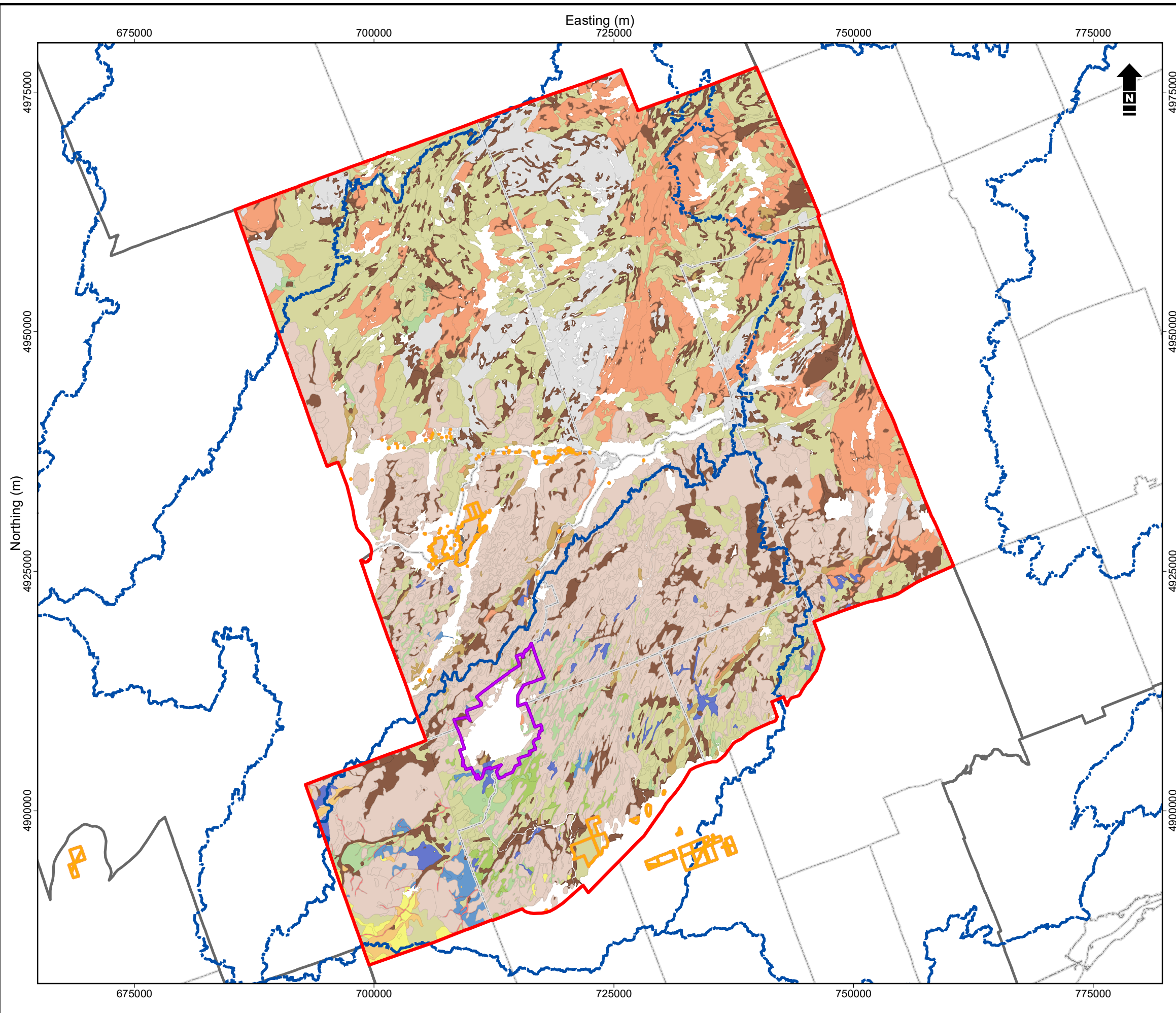
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- Peterborough County Boundary (Study Area)
- City of Peterborough
- First Nation Reserve
- Upper Tier and District Municipal Boundary
- Lower and Single Tier Municipal Boundary
- Tertiary Watershed Boundary (OMNRF)

Soil Texture (OMAFRA)

- Clay
- Clay Loam
- Fine Sandy Loam
- Gravelly Sand
- Gravelly Sandy Loam
- Loam
- Loamy Sand
- Organic
- Sand
- Silty Clay Loam
- Silt Loam
- Sandy Loam
- Variable
- Unknown

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NAD 1983 UTM Zone 17N



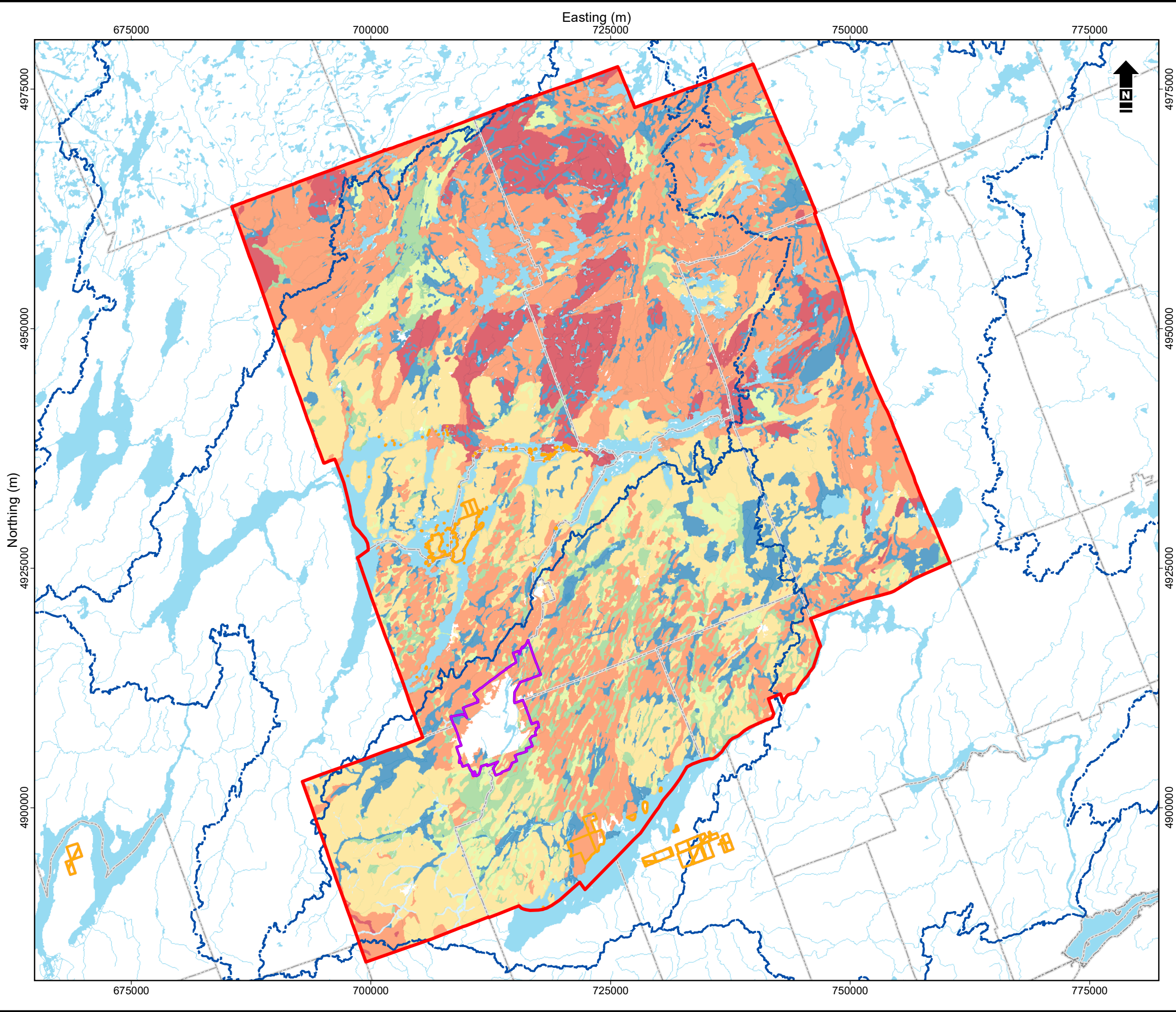
Peterborough County
Peterborough County Watershed Plan Phase 1

**Peterborough County
Soils Mapping**

Date:	Project:	Submitter:	Reviewer:
March 2025	40848	K. Goguen	M. Pushkar

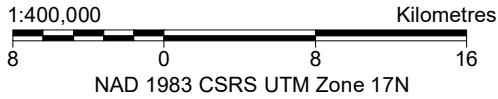
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- Peterborough County Boundary (Study Area)
- City of Peterborough
- First Nation Reserve
- Lower and Single Tier Municipal Boundary
- Tertiary Watershed Boundary (OMNRF)
- Water Body (GeoGratis)
- Watercourse (GeoGratis)
- Soil Drainage Classes (OMAFRA)**
 - Very Rapidly
 - Rapidly
 - Well
 - Imperfectly
 - Poorly
 - Very Poorly (including water features)
 - Variable
 - Unknown

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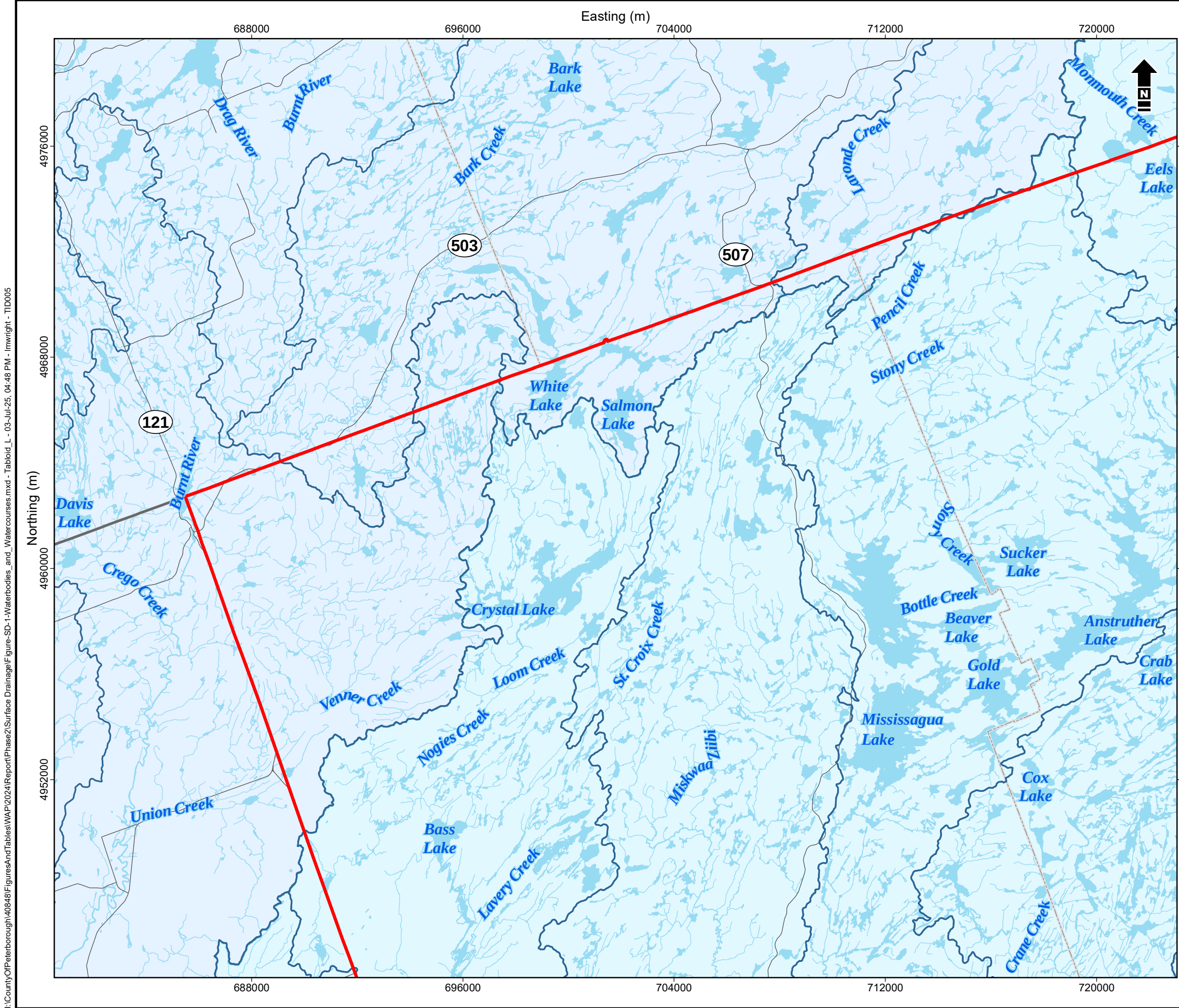


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Peterborough County Watershed Plan Phase 2

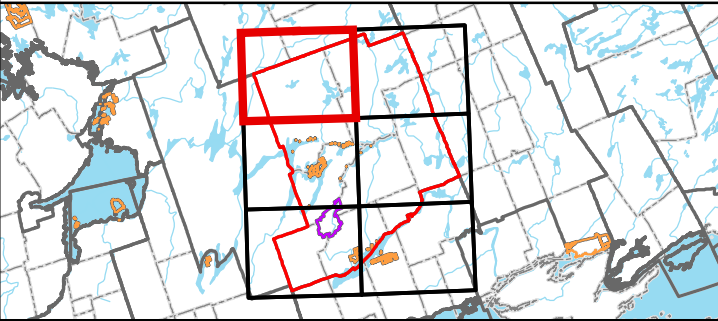
Soil Drainage

Date:	Project:	Submitter:	Reviewer:
Sep 2025	40848	K. Castro	M. Pushkar

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- Peterborough County Boundary (Study Area)
- Upper Tier and District Municipal Boundary
- Lower and Single Tier Municipal Boundary
- Quaternary Watershed Boundary (OMNRF)
- Water Body (OHN)
- Watercourse (OHN)
- Highway
- Tertiary Watershed Boundary (OMNRF)**
 - Gull River
 - Kawartha Lakes



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NAD 1983 UTM Zone 17N



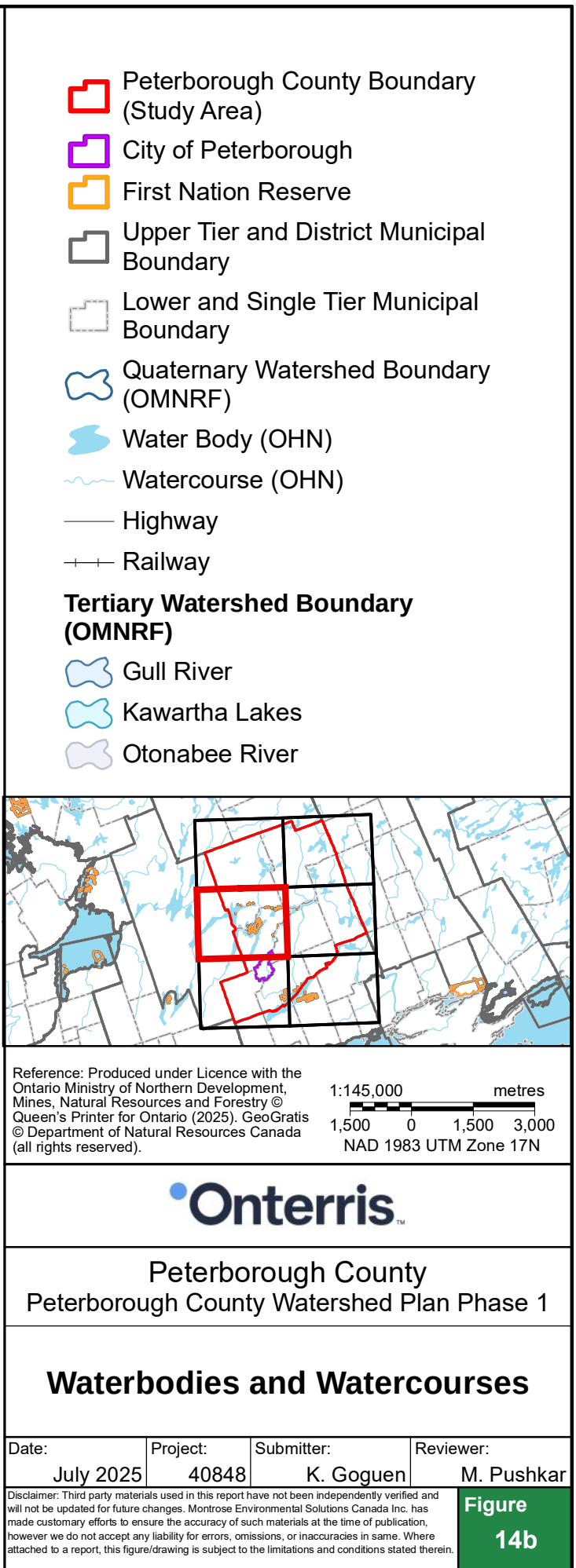
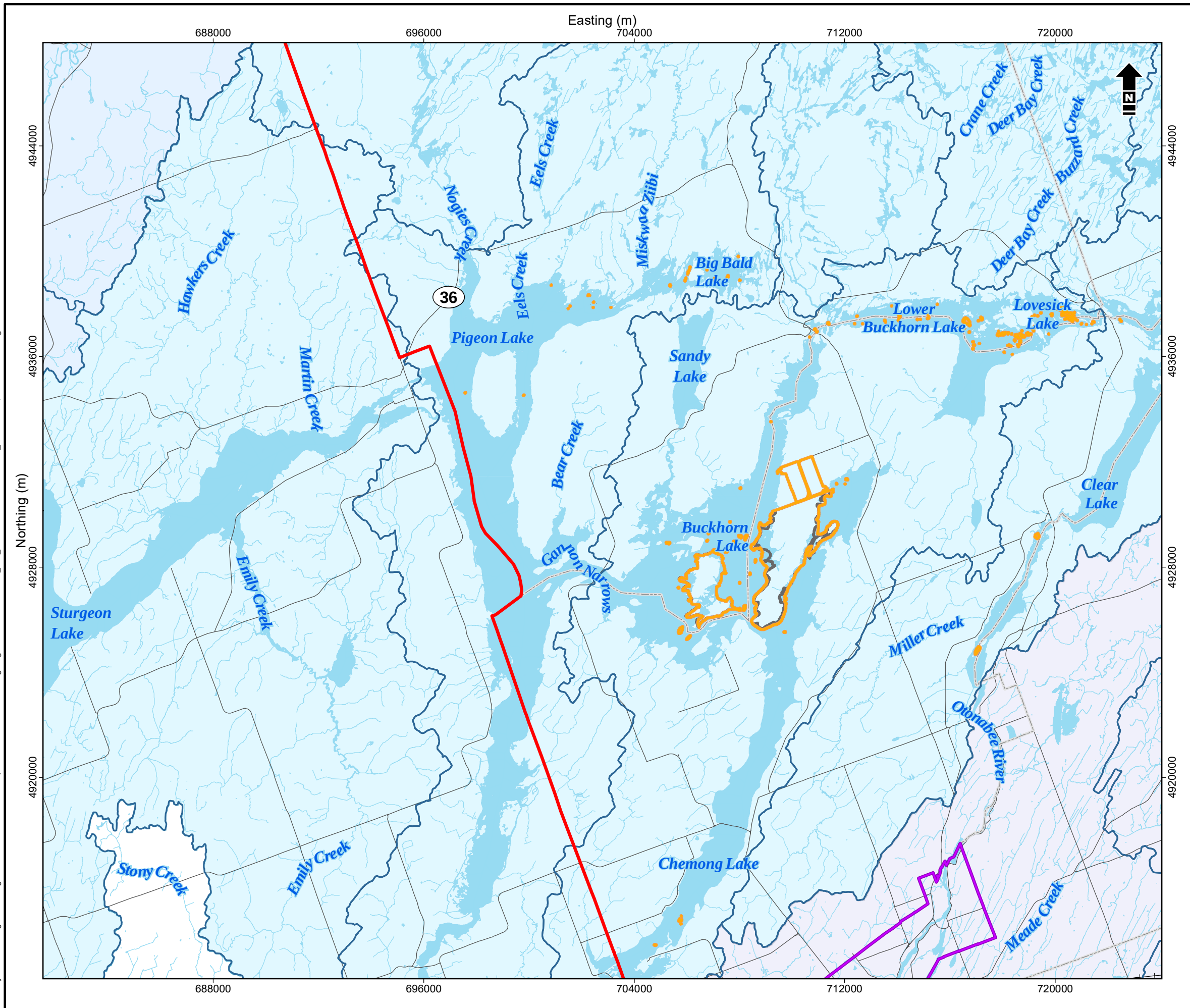
Peterborough County
Peterborough County Watershed Plan Phase 1

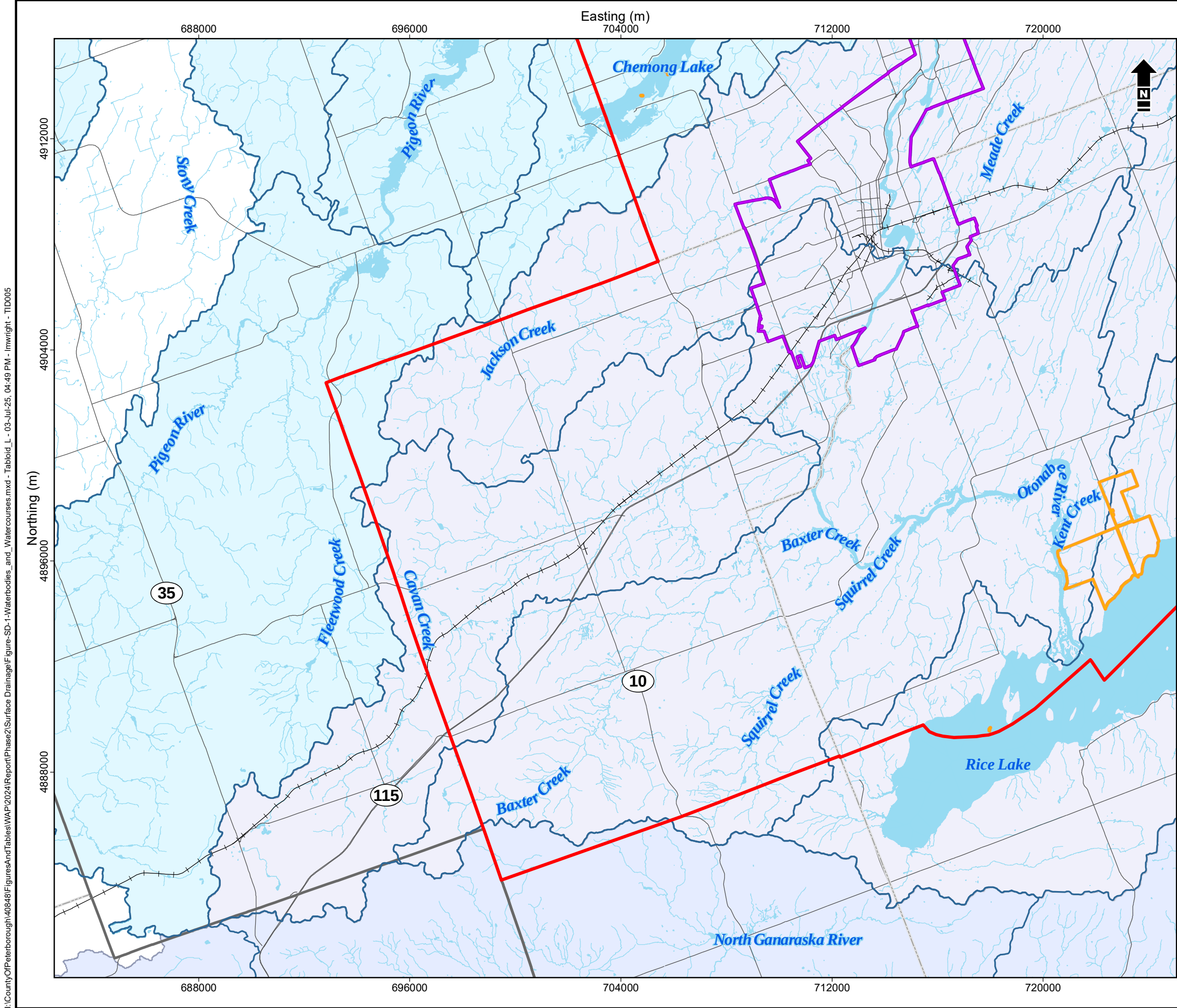
Waterbodies and Watercourses

Date:	Project:	Submitter:	Reviewer:
July 2025	40848	K. Goguen	M. Pushkar

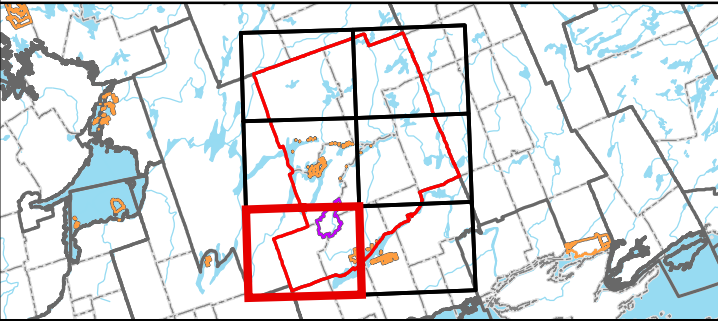
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Figure
14a





- Peterborough County Boundary (Study Area)
- City of Peterborough
- First Nation Reserve
- Upper Tier and District Municipal Boundary
- Lower and Single Tier Municipal Boundary
- Quaternary Watershed Boundary (OMNRF)
- Water Body (OHN)
- Watercourse (OHN)
- Highway
- Railway
- Tertiary Watershed Boundary (OMNRF)**
 - Kawartha Lakes
 - North Lake Ontario Shoreline
 - Otonabee River



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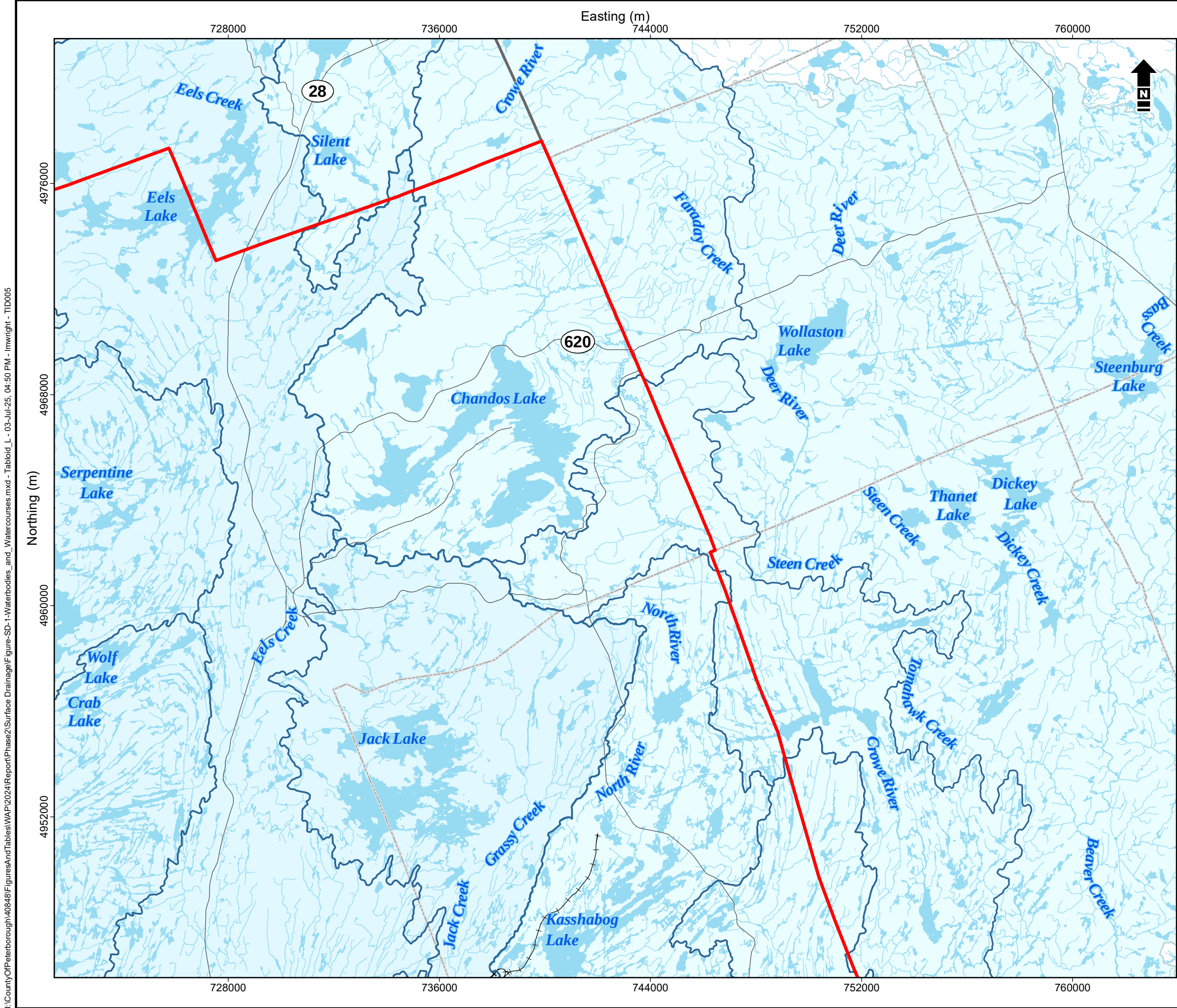
Peterborough County
Peterborough County Watershed Plan Phase 1

Waterbodies and Watercourses

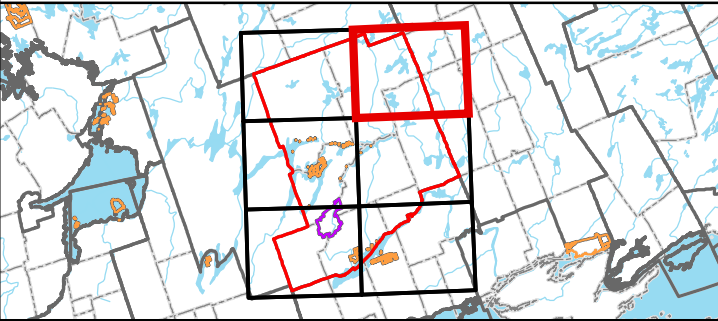
Date:	Project:	Submitter:	Reviewer:
July 2025	40848	K. Goguen	M. Pushkar

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Figure
14c



- Peterborough County Boundary (Study Area)
- Upper Tier and District Municipal Boundary
- Lower and Single Tier Municipal Boundary
- Quaternary Watershed Boundary (OMNRF)
- Water Body (OHN)
- Watercourse (OHN)
- Highway
- Railway
- Tertiary Watershed Boundary (OMNRF)**
 - Gull River
 - Kawartha Lakes
 - Trent River - Crowe River



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NAD 1983 UTM Zone 17N



Peterborough County
Peterborough County Watershed Plan Phase 1

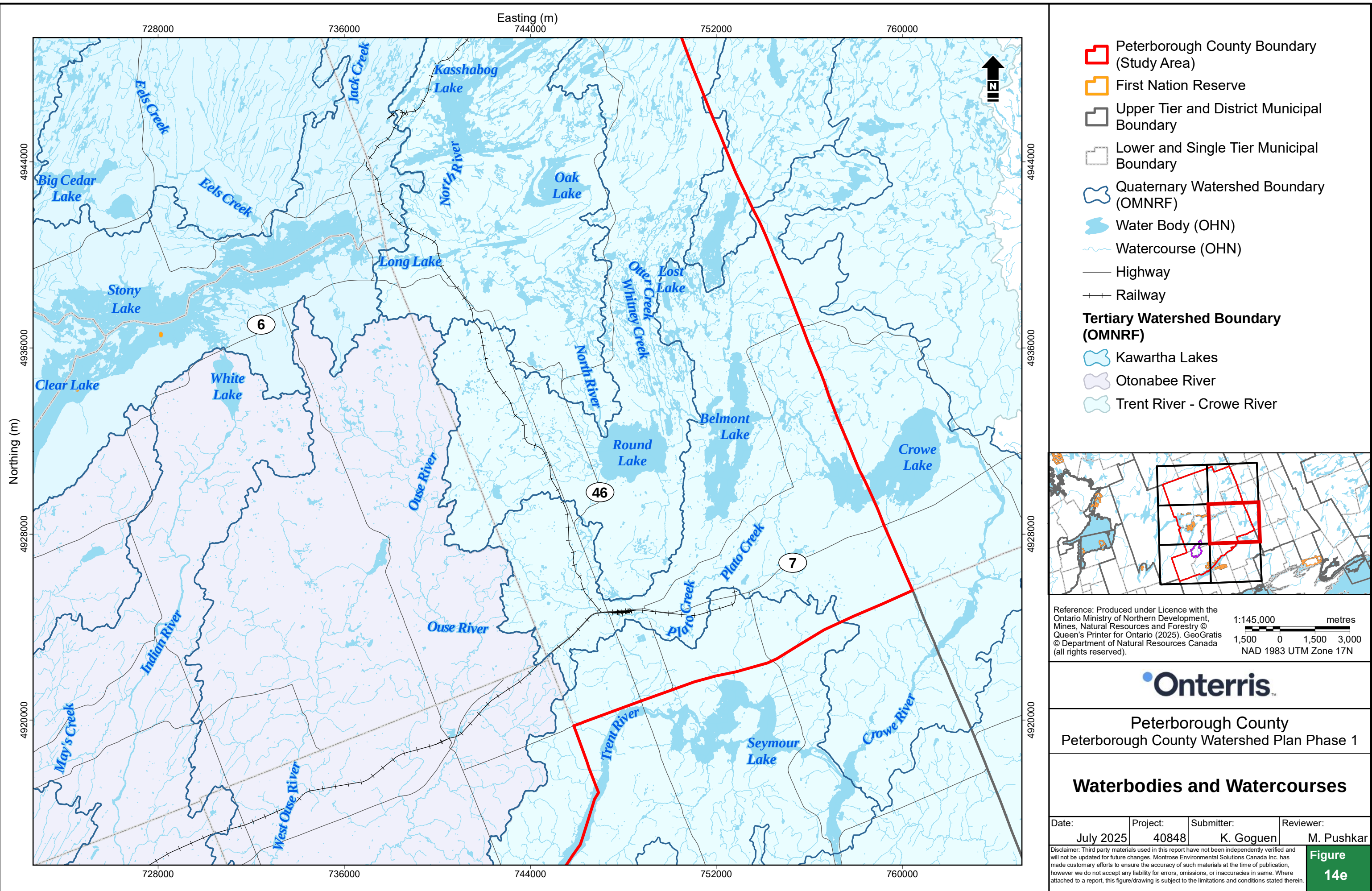
Waterbodies and Watercourses

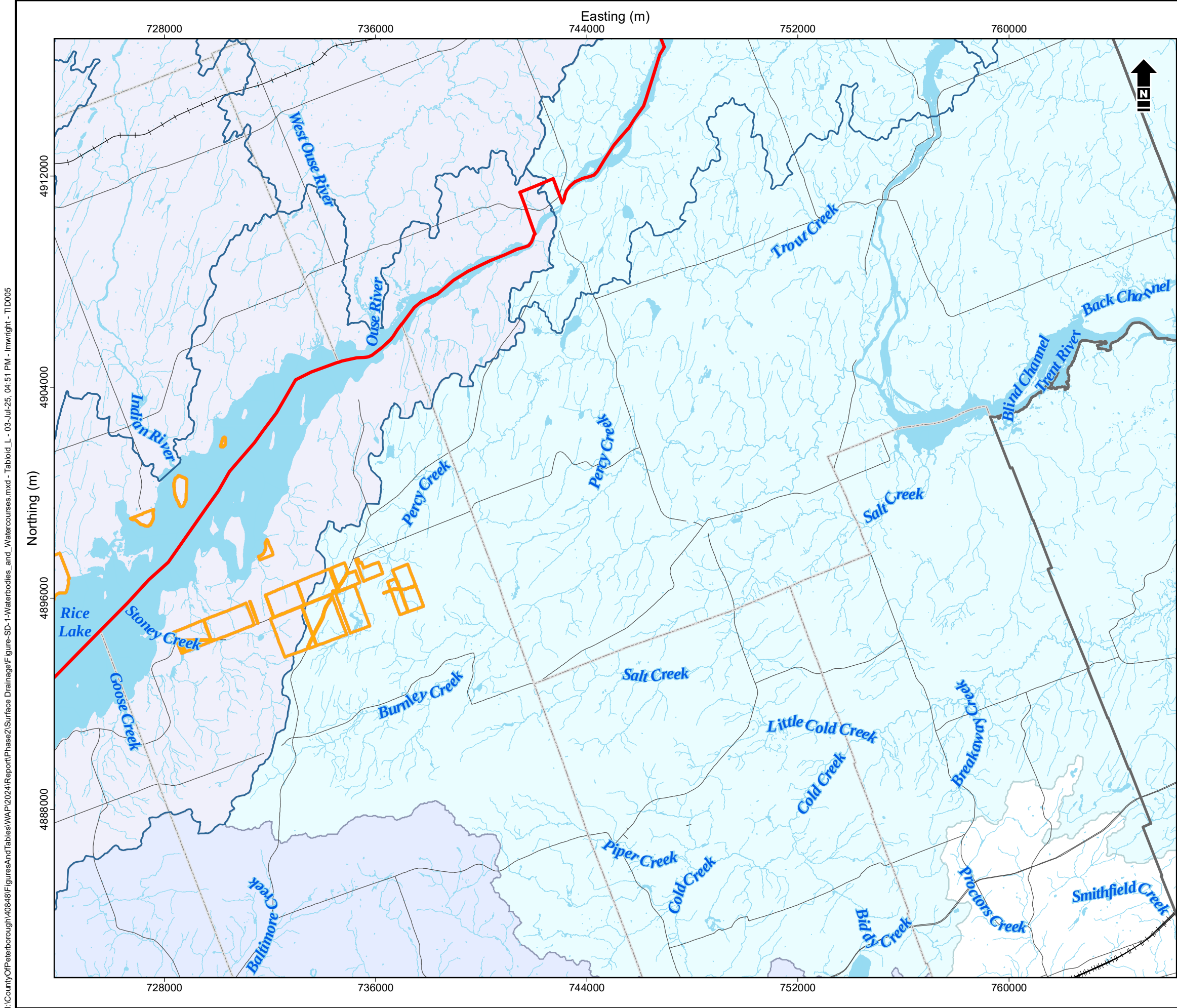
Date:	Project:	Submitter:	Reviewer:
July 2025	40848	K. Goguen	M. Pushkar

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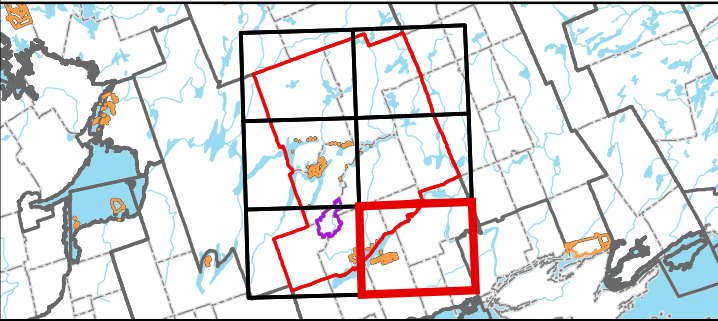
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- Peterborough County Boundary (Study Area)
- First Nation Reserve
- Upper Tier and District Municipal Boundary
- Lower and Single Tier Municipal Boundary
- Quaternary Watershed Boundary (OMNRF)
- Water Body (OHN)
- Watercourse (OHN)
- Highway
- Railway
- Tertiary Watershed Boundary (OMNRF)**
 - North Lake Ontario Shoreline
 - Otonabee River
 - Trent River - Crowe River



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NAD 1983 UTM Zone 17N



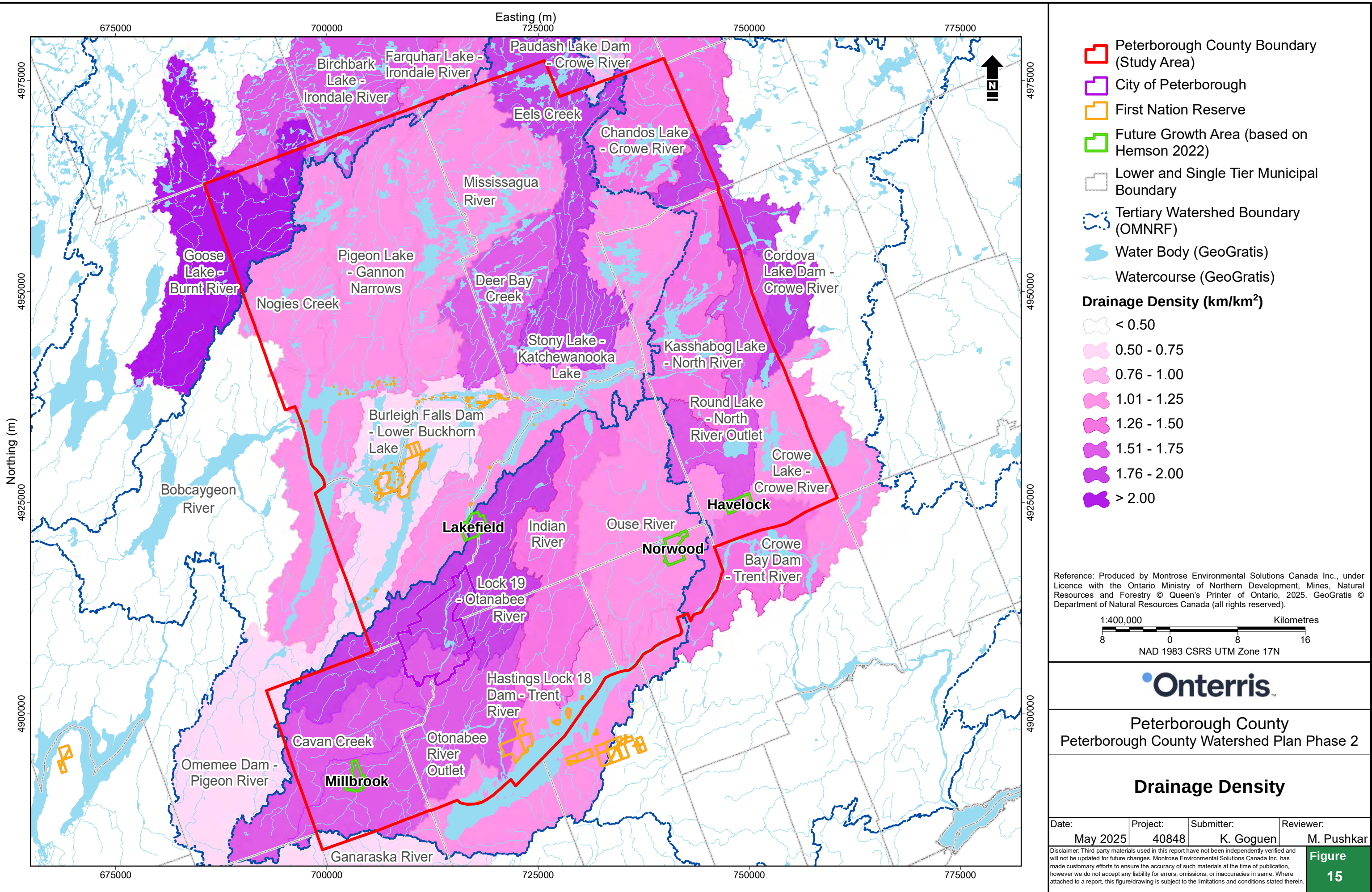
Peterborough County
Peterborough County Watershed Plan Phase 1

Waterbodies and Watercourses

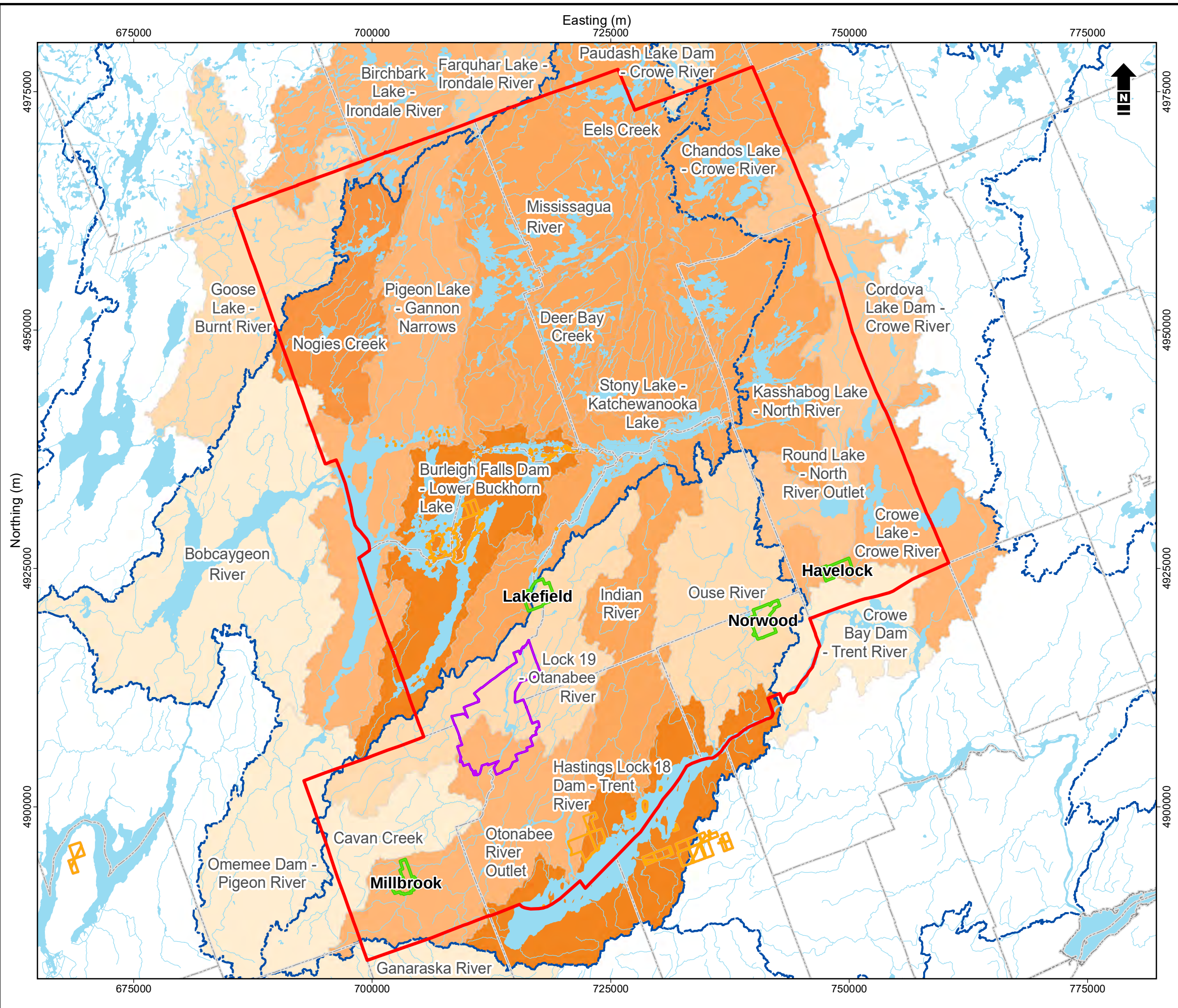
Date:	Project:	Submitter:	Reviewer:
July 2025	40848	K. Goguen	M. Pushkar

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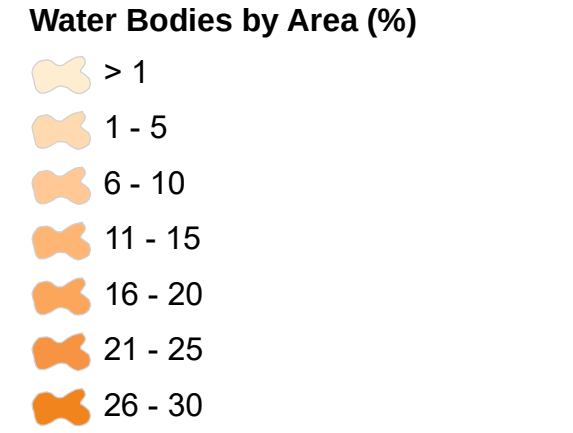
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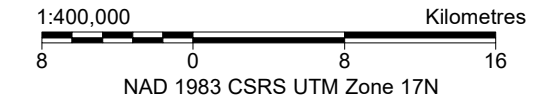
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- Peterborough County Boundary (Study Area)
- City of Peterborough
- First Nation Reserve
- Future Growth Area (based on Hemson 2022)
- Lower and Single Tier Municipal Boundary
- Tertiary Watershed Boundary (OMNRF)
- Water Body (GeoGratis)
- Watercourse (GeoGratis)



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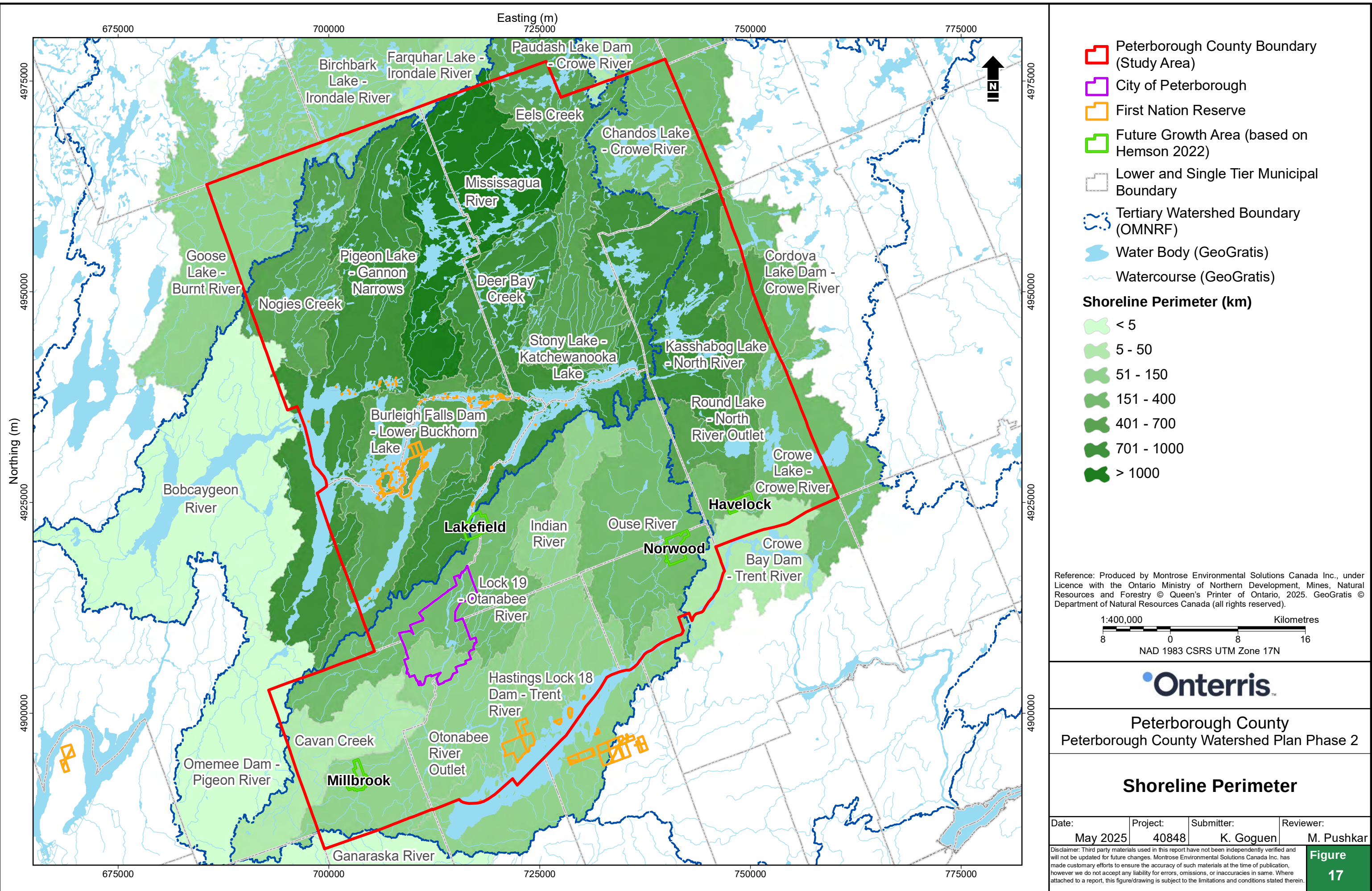
Peterborough County
Peterborough County Watershed Plan Phase 2

Percentage of Waterbodies by Area

Date:	Project:	Submitter:	Reviewer:
May 2025	40848	K. Goguen	M. Pushkar

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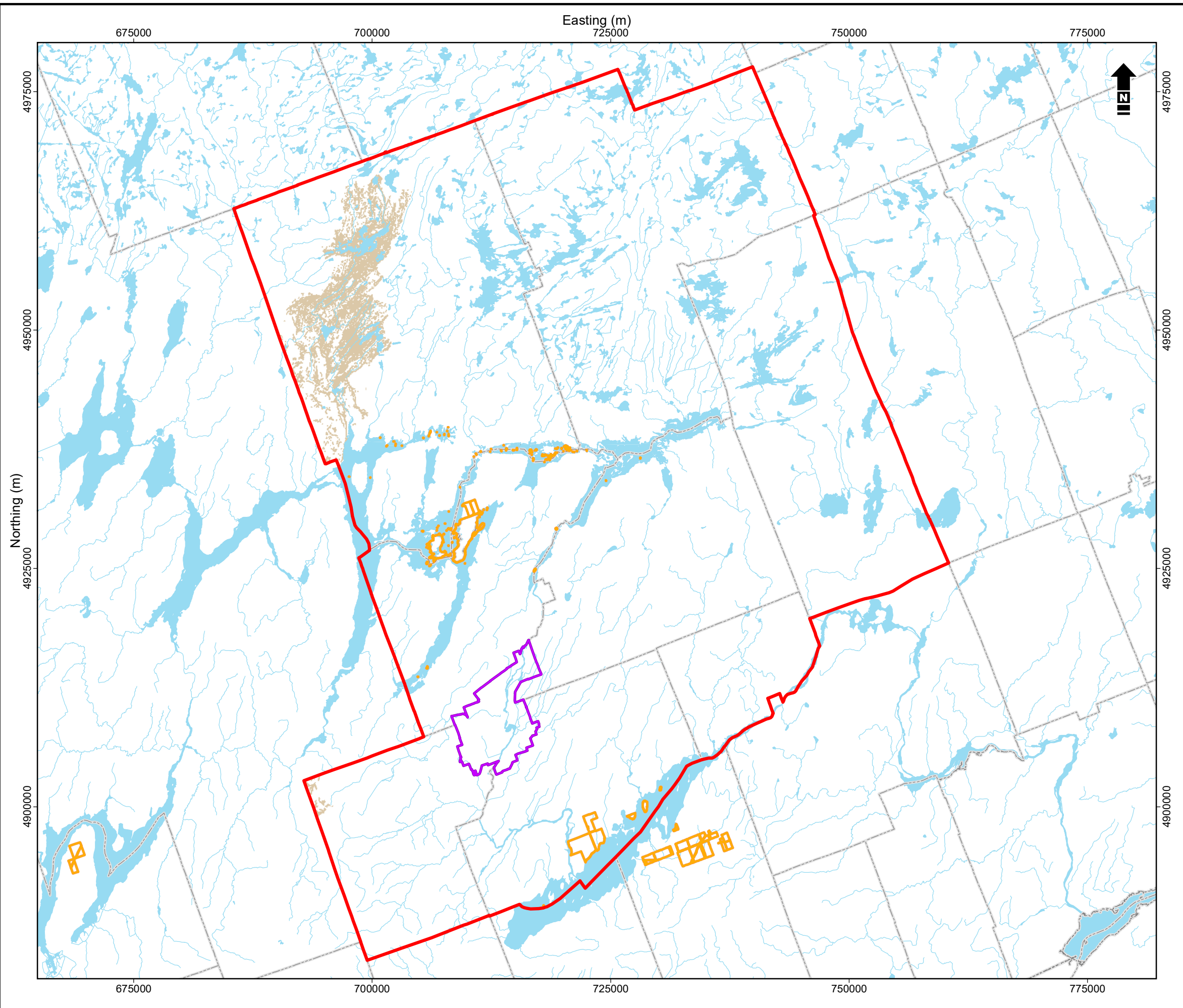
Peterborough County
Peterborough County Watershed Plan Phase 2

Shoreline Perimeter

Date:	Project:	Submitter:	Reviewer:
May 2025	40848	K. Goguen	M. Pushkar

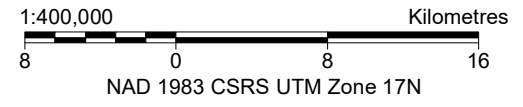
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- Peterborough County Boundary (Study Area)
- City of Peterborough
- First Nation Reserve
- Lower and Single Tier Municipal Boundary
- Water Body (GeoGratis)
- Watercourse (GeoGratis)
- Available Regulated Slopes Mapping (GIS Dataset Recieved from Conservation Authorities)**
- Kawartha Region Conservation Authority (KRCA)

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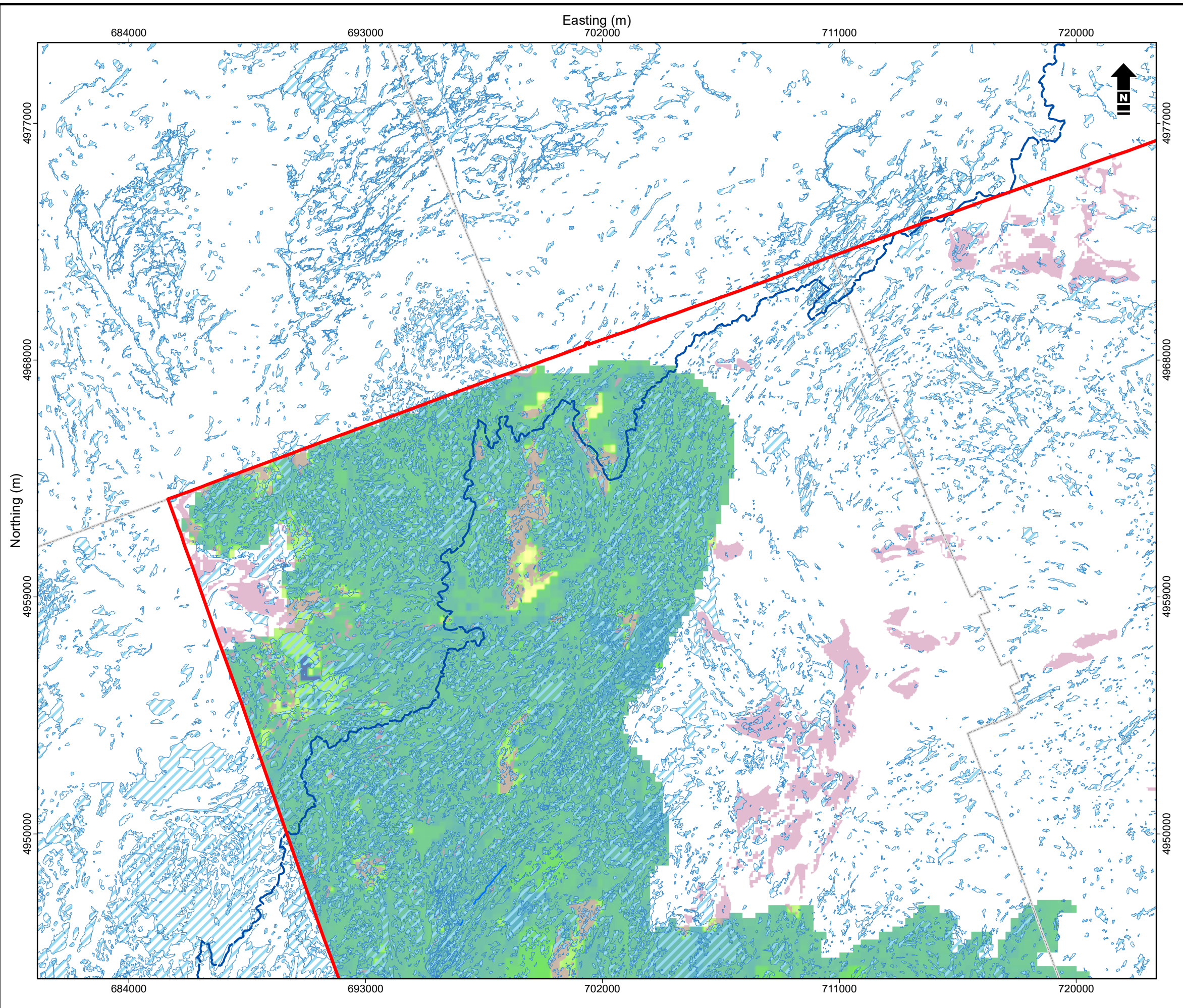
Peterborough County
Peterborough County Watershed Plan Phase 2

Regulated Slopes

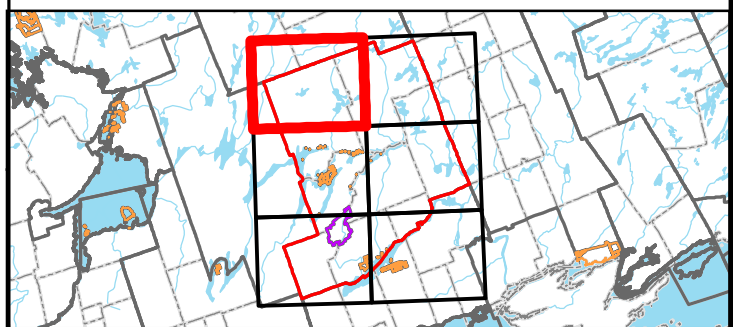
Date:	Project:	Submitter:	Reviewer:
Sep 2025	40848	K. Goguen	M. Pushkar

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- Peterborough County Boundary (Study Area)
- City of Peterborough
- First Nation Reserve
- Lower and Single Tier Municipal Boundary
- Tertiary Watershed Boundary (OMNRF)
- Quaternary Watershed Impacted by Anticipated Growth
- Significant Groundwater Recharge Area
- Wetland
- Aquatic Resource Thermal Regime**
 - Cold
- Recharge (mm) (ORMGP)**
 - High : 896
 - Low : 6



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NAD 1983 UTM Zone 17N



Peterborough County
Peterborough County Watershed Plan Phase 2

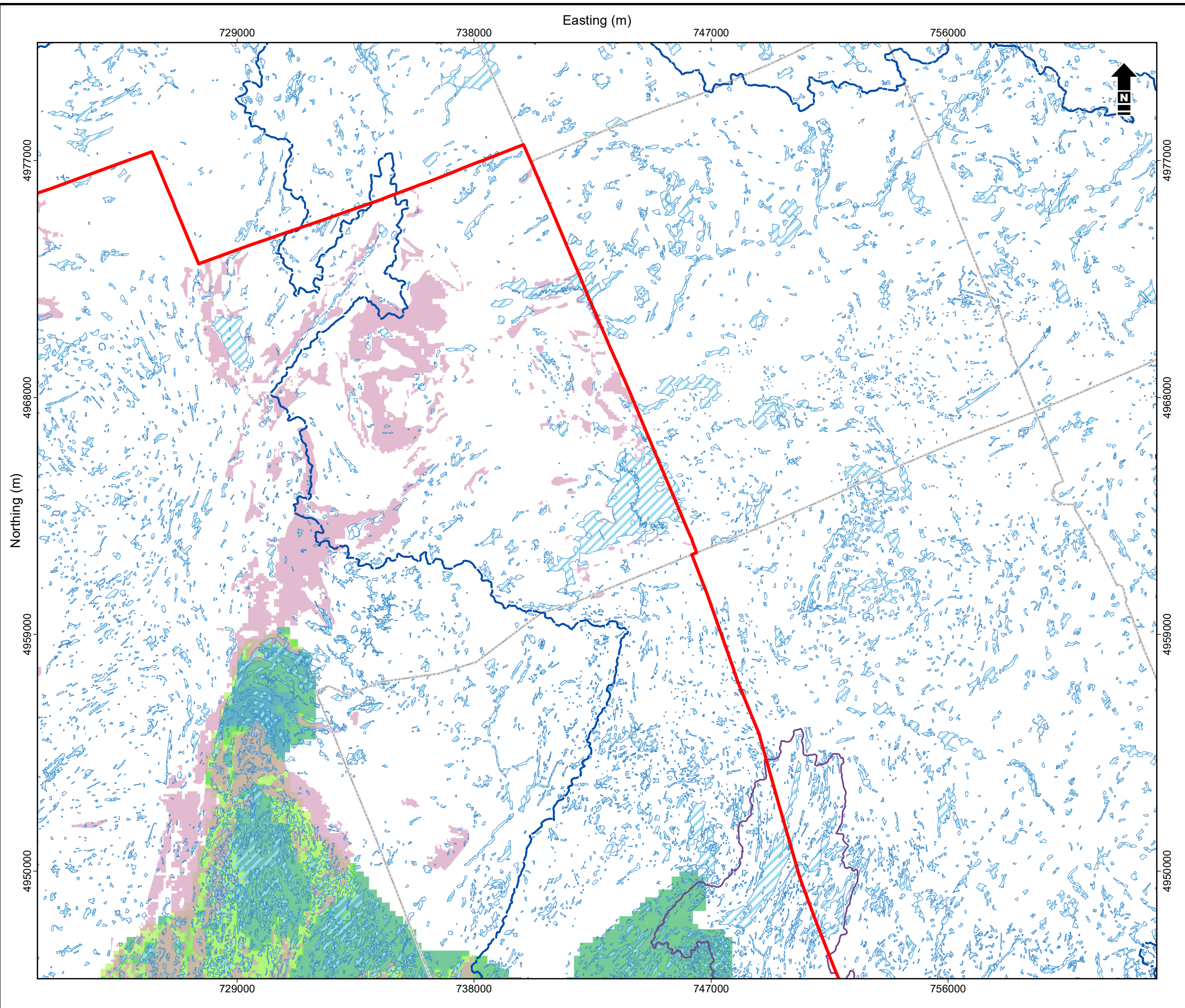
Source Water Protection Groundwater Recharge

Date:	Project:	Submitter:	Reviewer:
August 2025	40848	D. Parikh	M. Pushkar

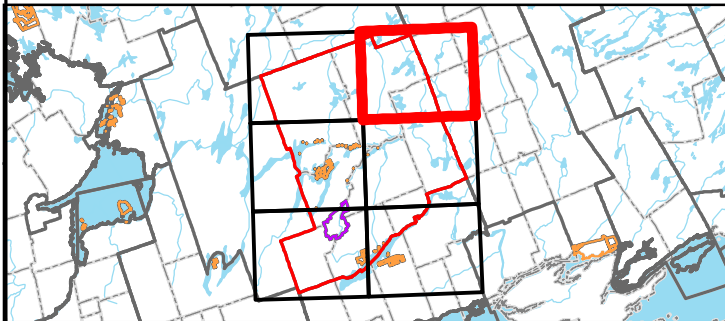
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**Figure
19a**

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- Peterborough County Boundary (Study Area)
- City of Peterborough
- First Nation Reserve
- Lower and Single Tier Municipal Boundary
- Tertiary Watershed Boundary (OMNRF)
- Quaternary Watershed Impacted by Anticipated Growth
- Significant Groundwater Recharge Area
- Wetland
- Aquatic Resource Thermal Regime**
 - Cold
- Recharge (mm) (ORMGP)**
 - High : 896
 - Low : 6



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1:145,000 metres
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NAD 1983 UTM Zone 17N



Peterborough County
Peterborough County Watershed Plan Phase 2

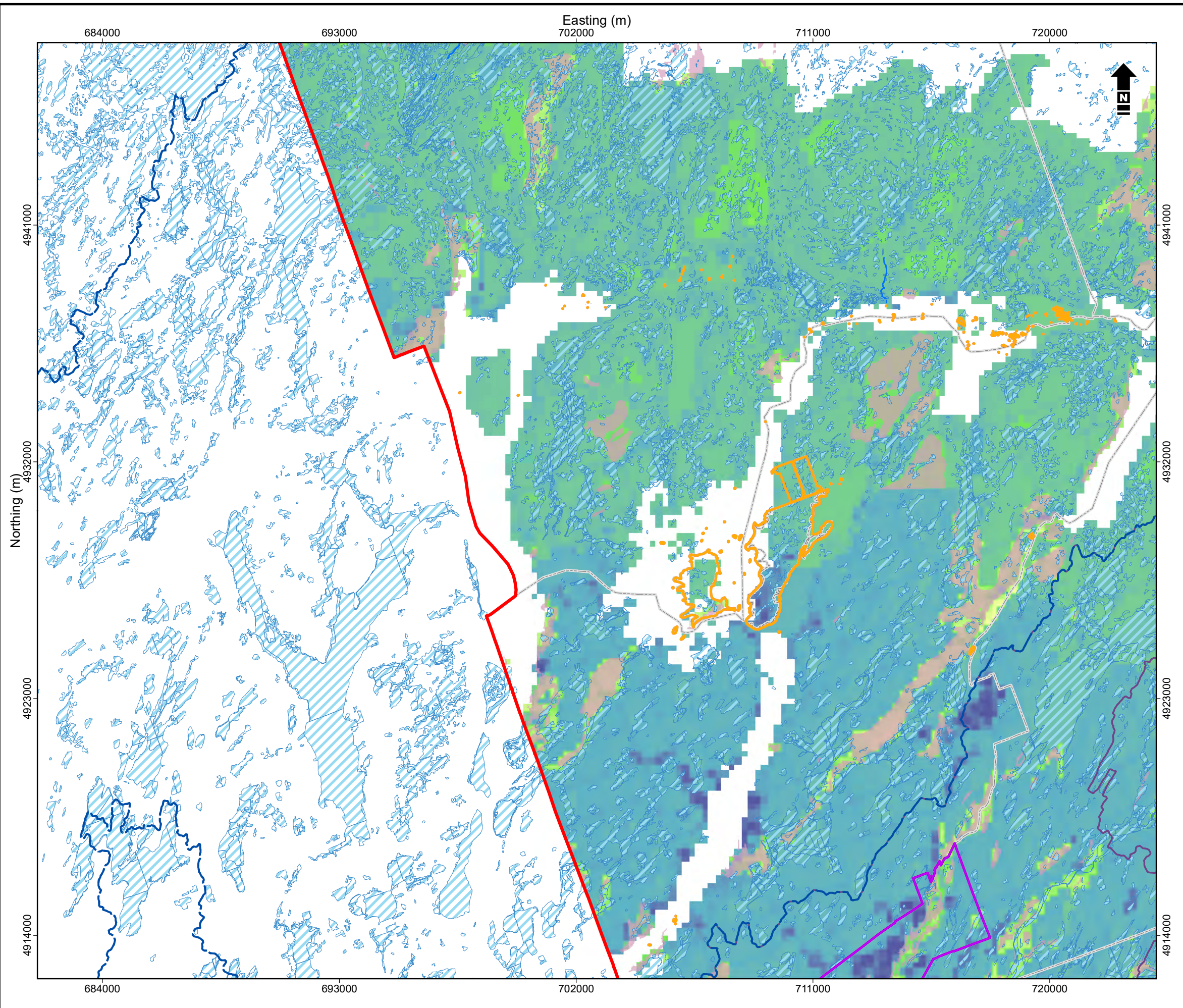
Source Water Protection Groundwater Recharge

Date:	Project:	Submitter:	Reviewer:
August 2025	40848	D. Parikh	M. Pushkar

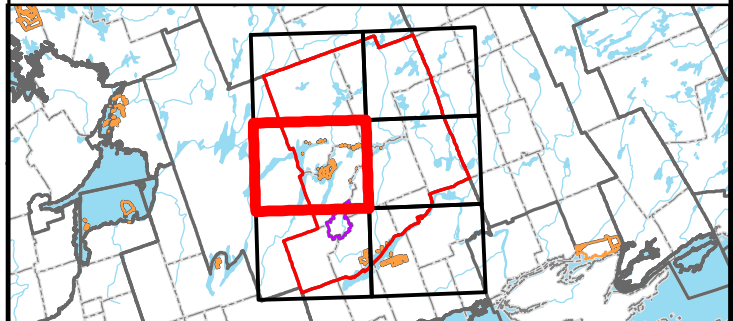
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**Figure
19b**

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- Peterborough County Boundary (Study Area)
- City of Peterborough
- First Nation Reserve
- Lower and Single Tier Municipal Boundary
- Tertiary Watershed Boundary (OMNRF)
- Quaternary Watershed Impacted by Anticipated Growth
- Significant Groundwater Recharge Area
- Wetland
- Aquatic Resource Thermal Regime**
 - Cold
- Recharge (mm) (ORMGP)**
 - High : 896
 - Low : 6



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1:145,000 metres
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NAD 1983 UTM Zone 17N



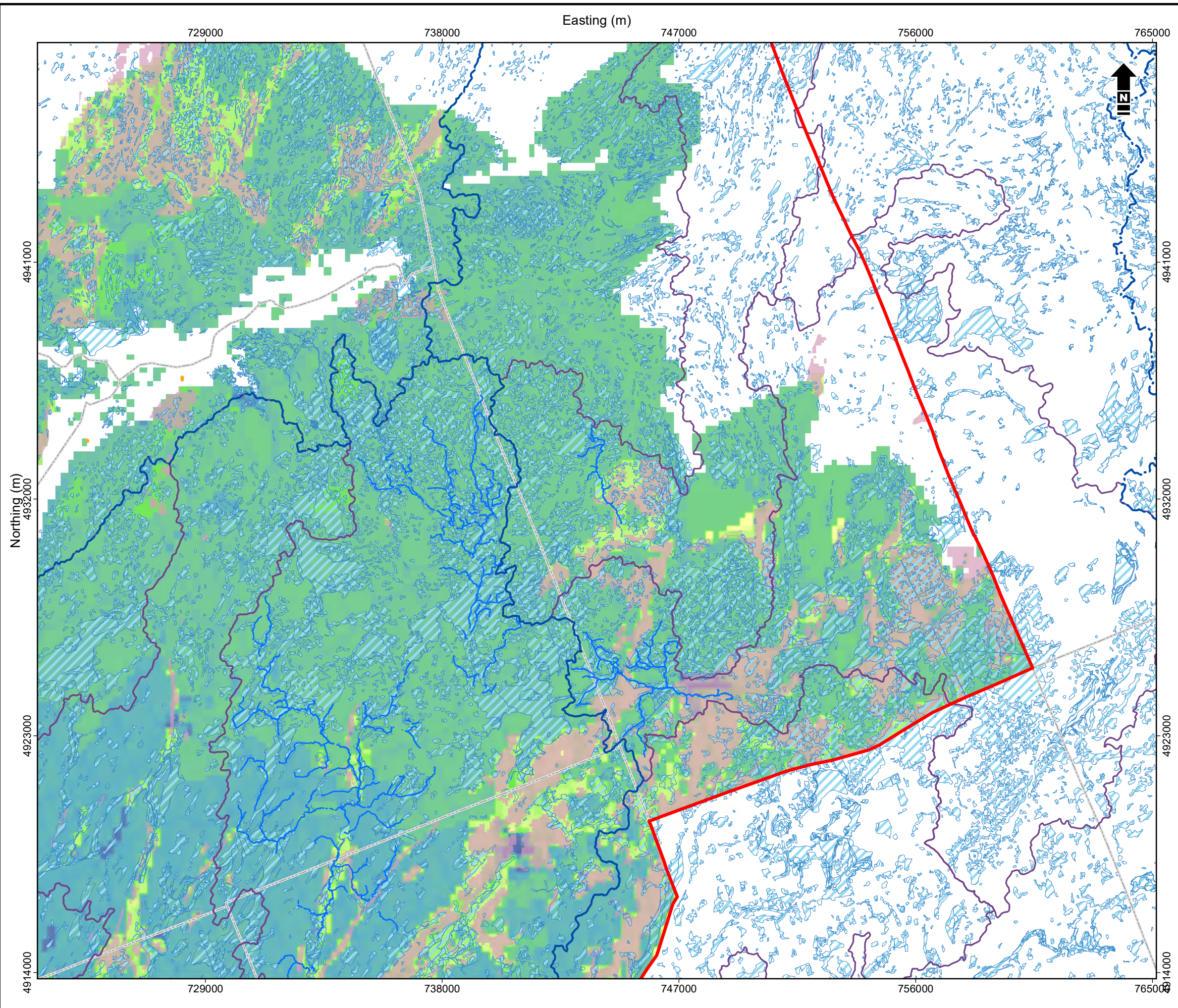
Peterborough County
Peterborough County Watershed Plan Phase 2

Source Water Protection Groundwater Recharge

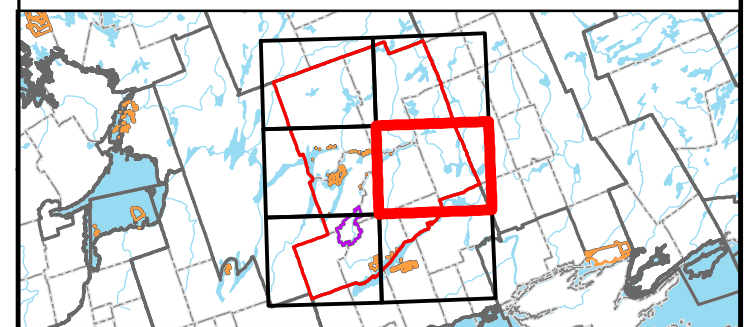
Date:	Project:	Submitter:	Reviewer:
August 2025	40848	D. Parikh	M. Pushkar

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- Peterborough County Boundary (Study Area)
- City of Peterborough
- First Nation Reserve
- Lower and Single Tier Municipal Boundary
- Tertiary Watershed Boundary (OMNRF)
- Quaternary Watershed Impacted by Anticipated Growth
- Significant Groundwater Recharge Area
- Wetland
- Aquatic Resource Thermal Regime**
 - Cold
- Recharge (mm) (ORMGP)**
 - High : 896
 - Low : 6



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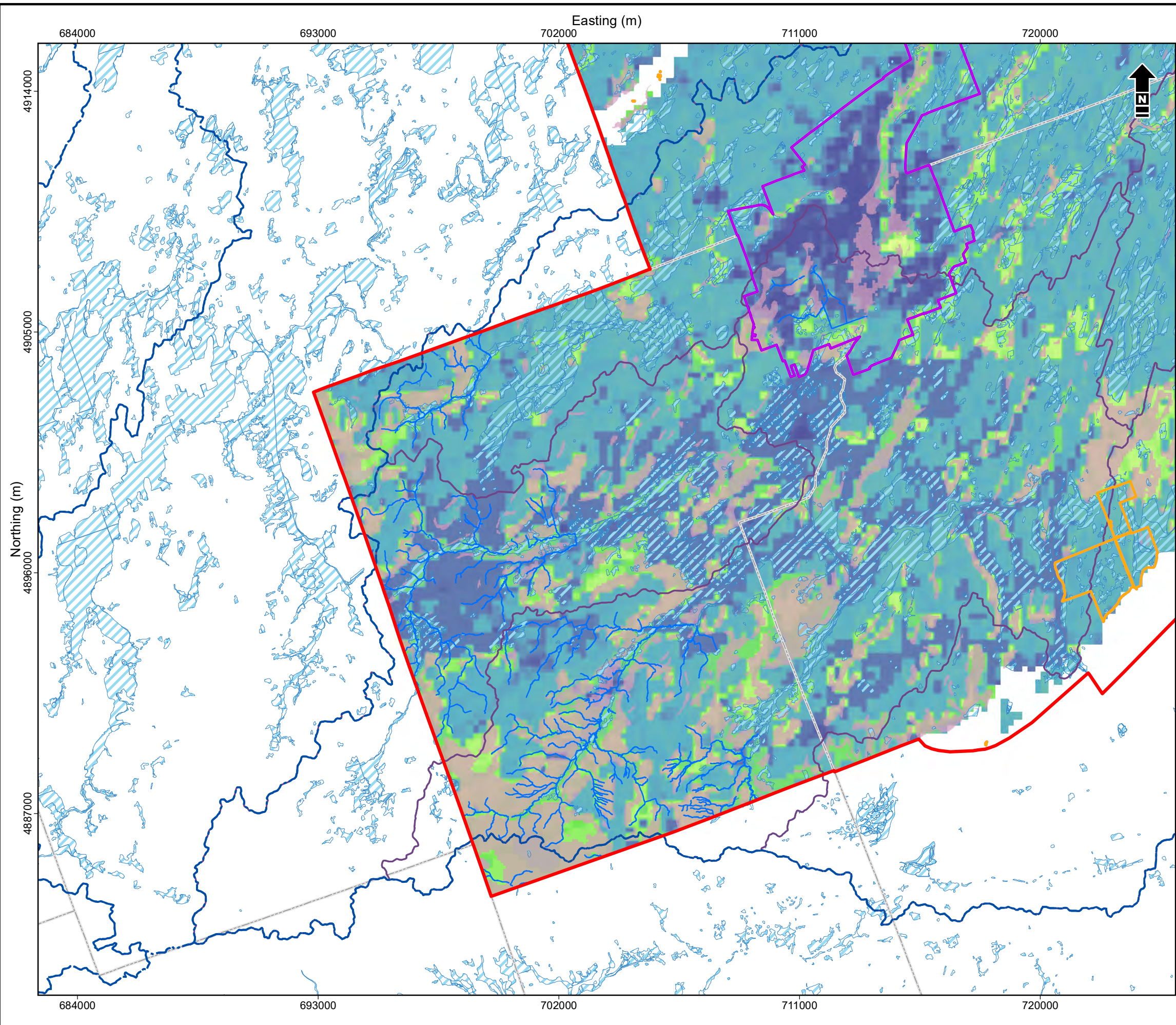
Peterborough County
Peterborough County Watershed Plan Phase 2

Source Water Protection Groundwater Recharge

Date:	Project:	Submitter:	Reviewer:
August 2025	40848	D. Parikh	M. Pushkar

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Peterborough County Boundary
(Study Area)

City of Peterborough

First Nation Reserve

Lower and Single Tier Municipal
Boundary

Tertiary Watershed Boundary
(OMNRF)

Quaternary Watershed Impacted by
Anticipated Growth

Significant Groundwater Recharge
Area

Wetland

Aquatic Resource Thermal Regime

Cold

Recharge (mm) (ORMGP)

High : 896

Low : 6

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metres

1,500

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1,500

3,000

NAD 1983 UTM Zone 17N

Peterborough County
Peterborough County Watershed Plan Phase 2

Source Water Protection
Groundwater Recharge

Date:
August 2025

Project:
40848

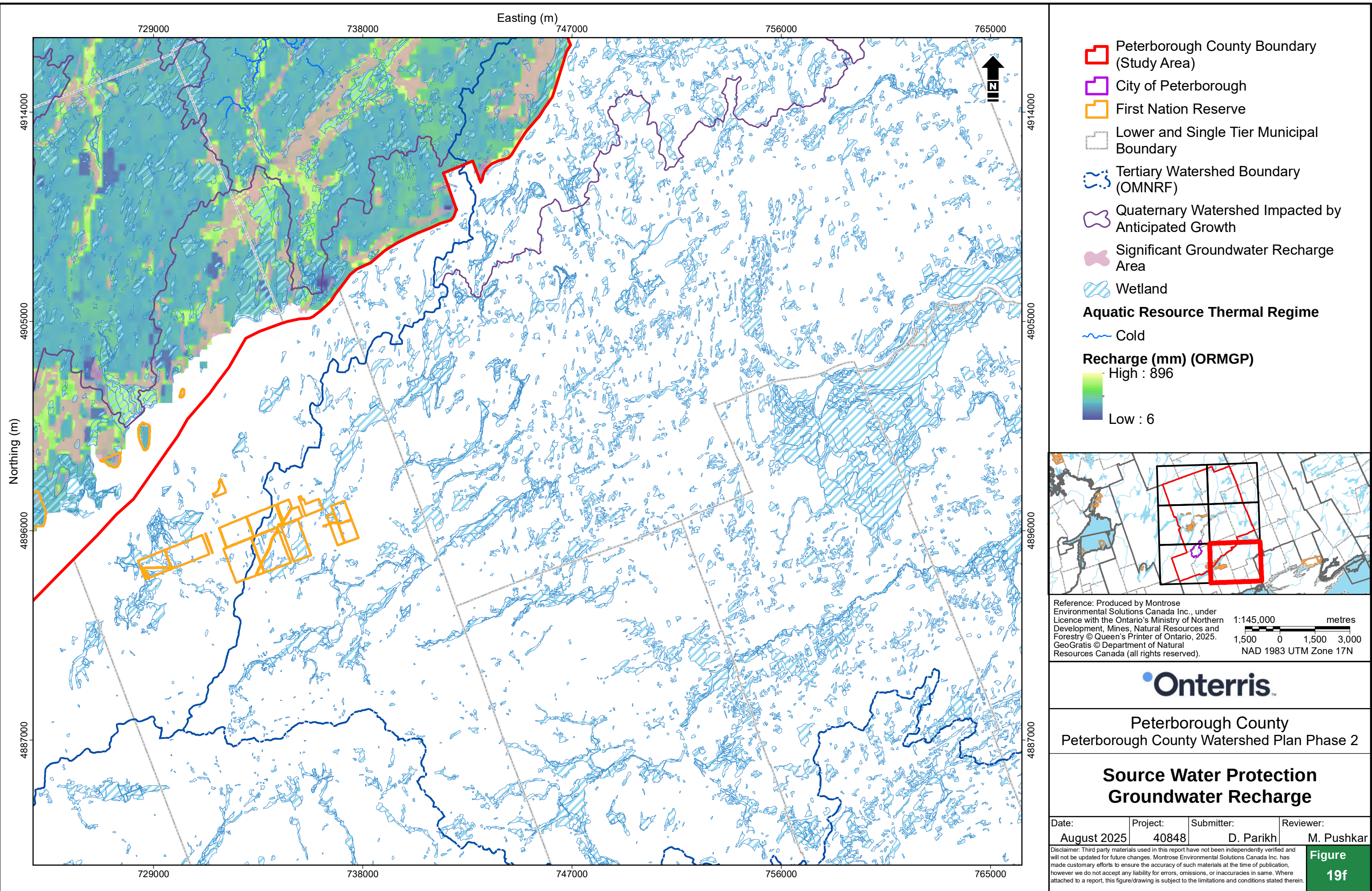
Submitter:
D. Parikh

Reviewer:
M. Pushkar

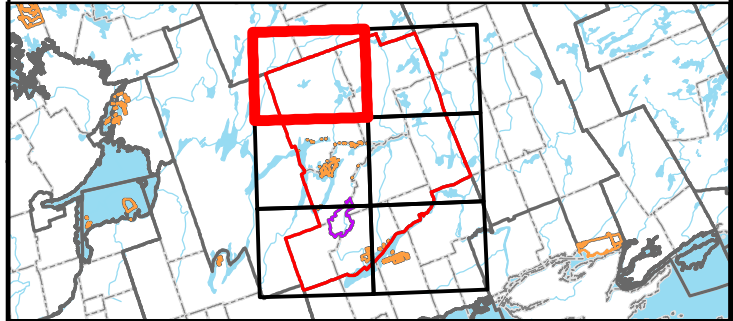
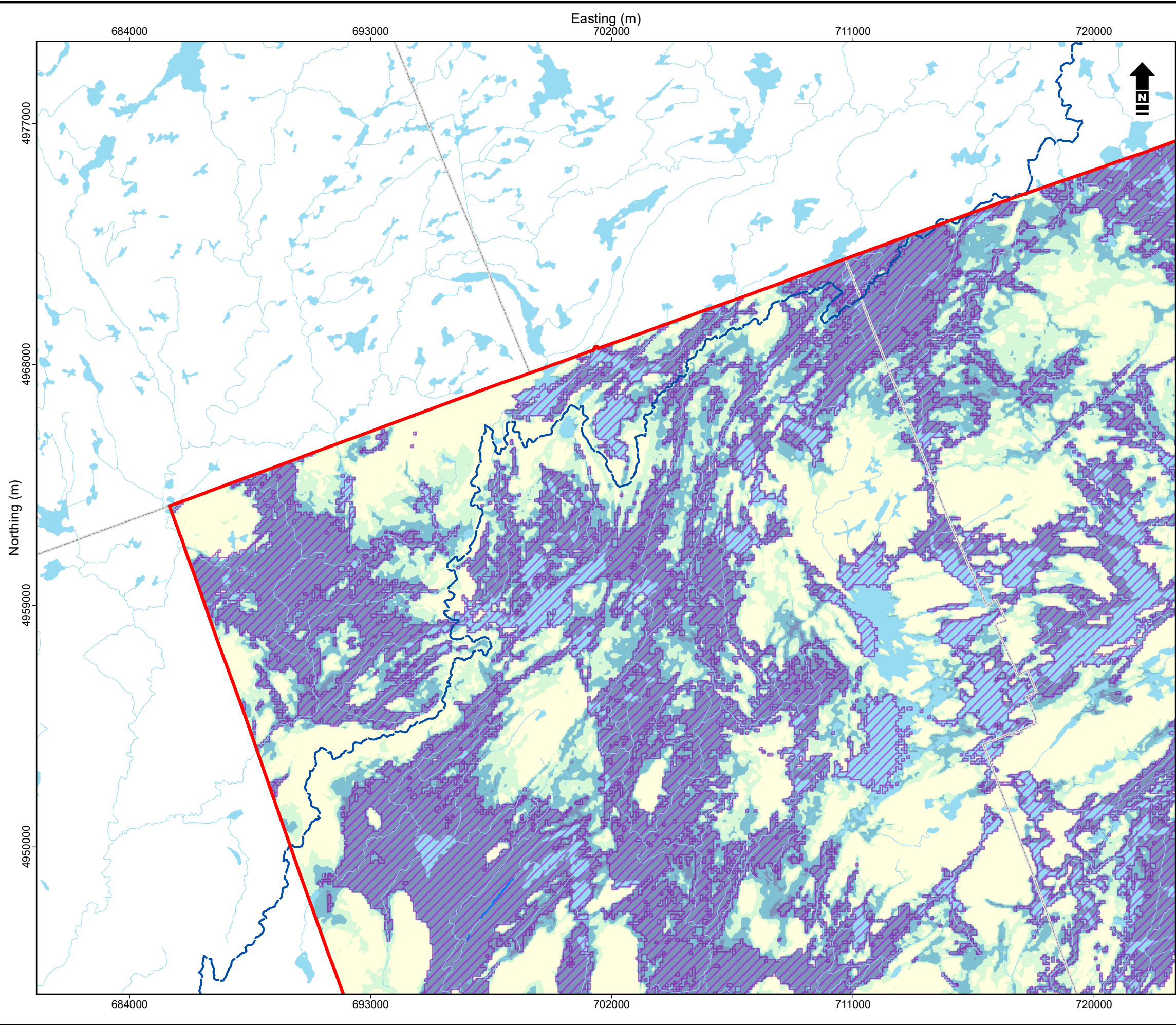
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Figure
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NAD 1983 CSRS UTM Zone 18N

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Peterborough County
Peterborough County Watershed Plan Phase 2

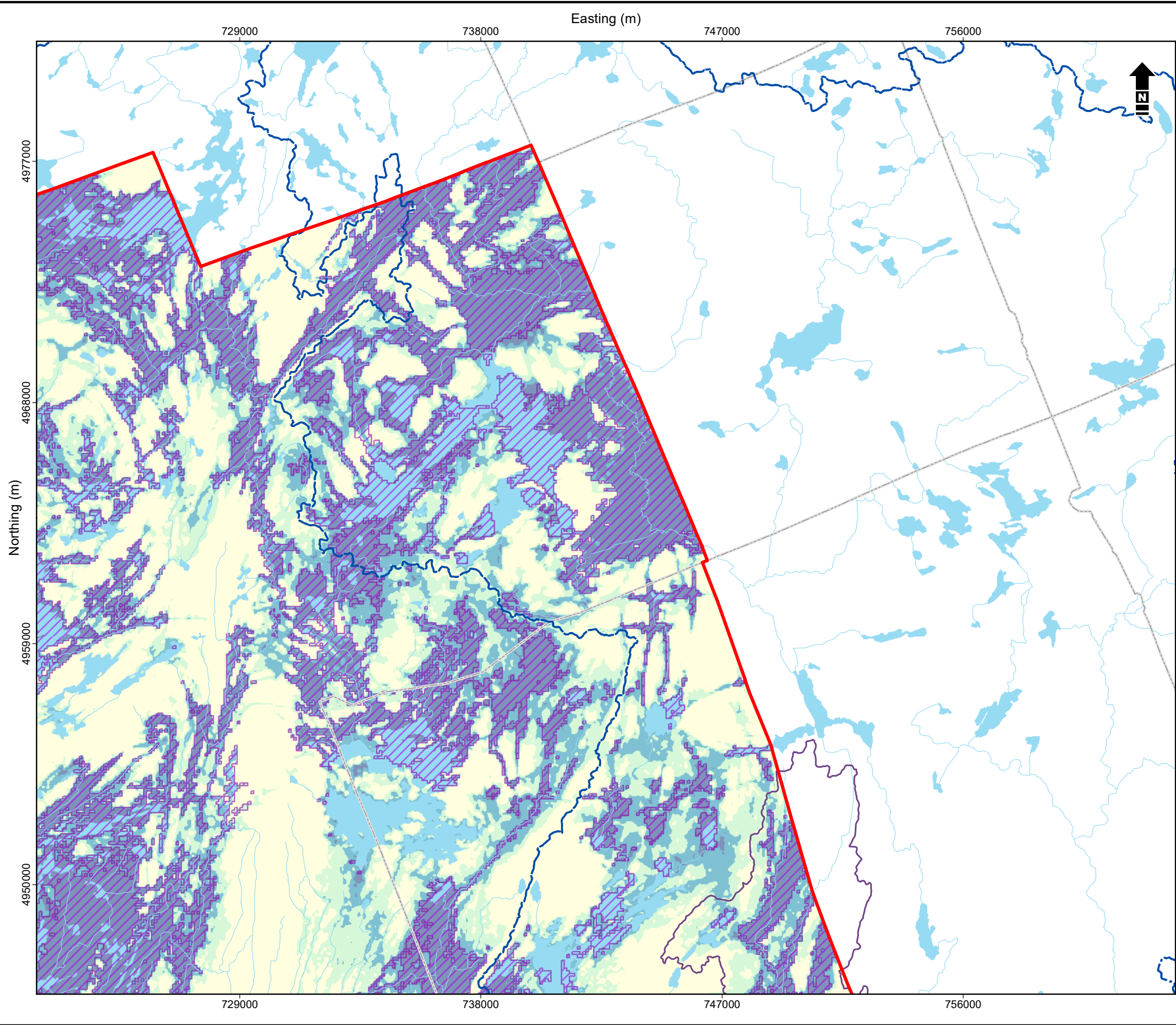
Depth to Water Table and
Potential Discharge Area Map

Date:	Project:	Submitter:	Reviewer:
August 2025	40848	D. Parikh	M. Pushkar

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Figure
20a

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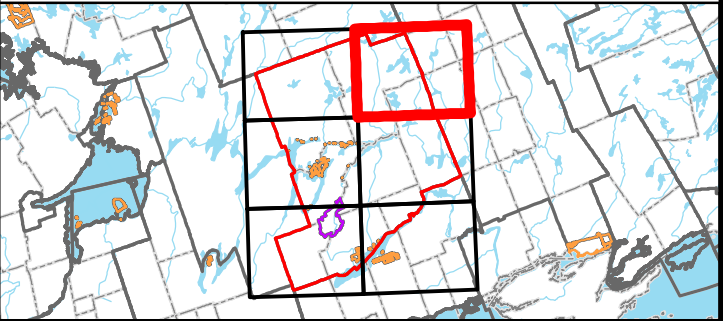
- Peterborough County Boundary (Study Area)
- City of Peterborough
- First Nation Reserve
- Lower and Single Tier Municipal Boundary
- Tertiary Watershed Boundary (OMNRF)
- Quaternary Watershed Impacted by Anticipated Growth
- Potential Discharge Area
- Water Body (GeoGratis)
- Watercourse (GeoGratis)

Aquatic Resource Thermal Regime Watercourse

— Cold

Depth to Water Table (mbgs) (ORMGP)

- 0 - 1
- 5 - 10
- 1 - 5
- >10



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1:145,000 metres

1,500 0 1,500 3,000

NAD 1983 CSRS UTM Zone 17N

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Peterborough County
Peterborough County Watershed Plan Phase 2

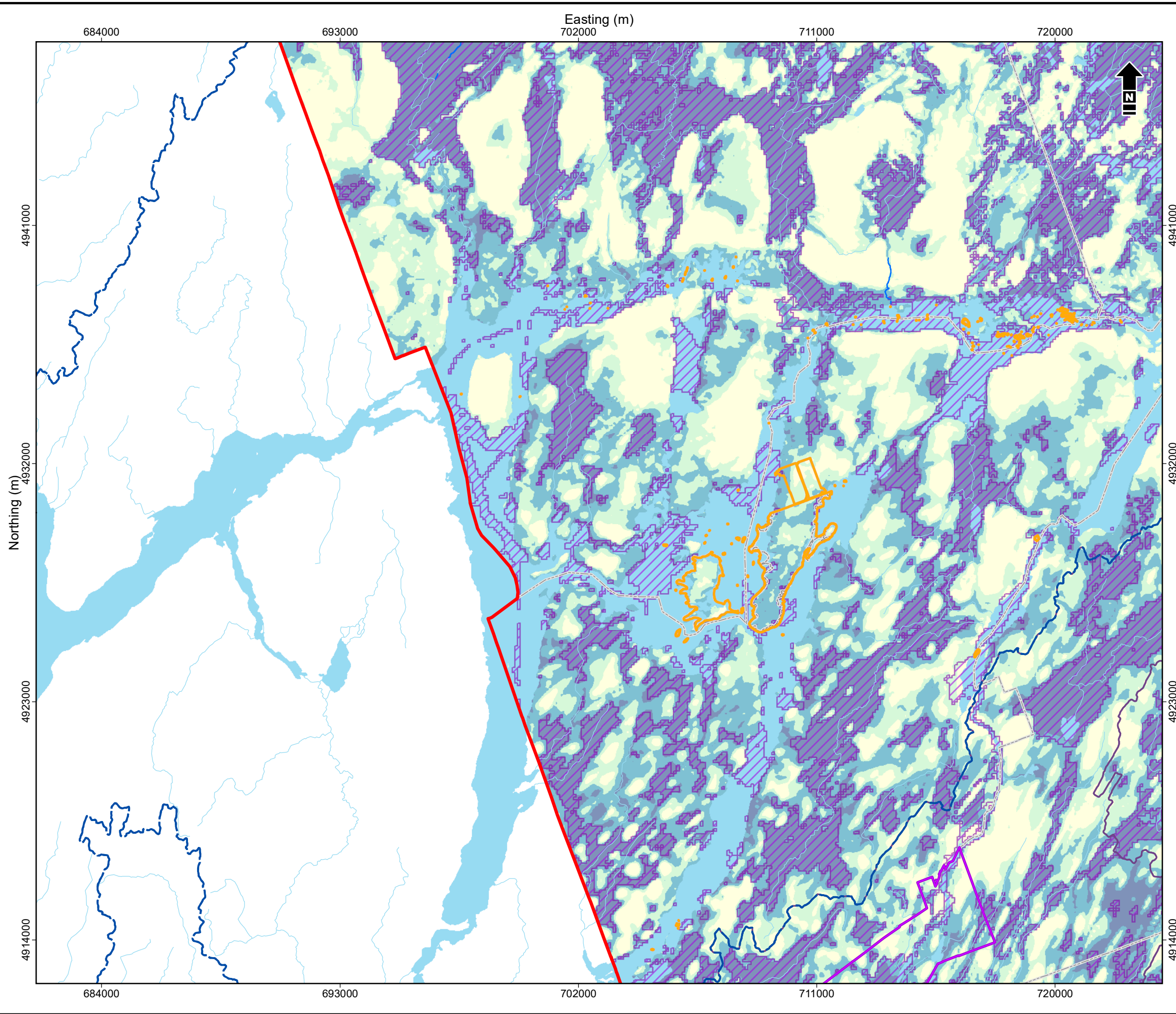
**Depth to Water Table and
Potential Discharge Area Map**

Date:	Project:	Submitter:	Reviewer:
August 2025	40848	D. Parikh	M. Pushkar

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**Figure
20b**

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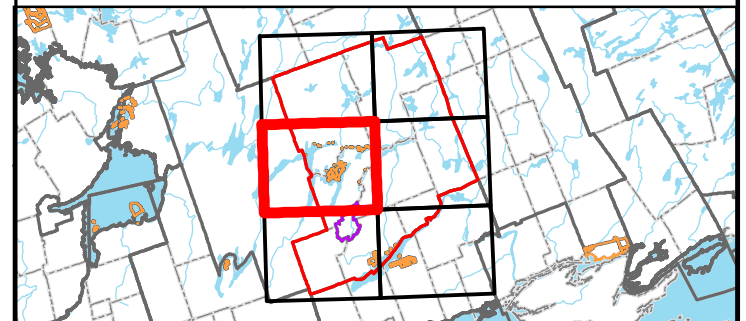
- Peterborough County Boundary (Study Area)
- City of Peterborough
- First Nation Reserve
- Lower and Single Tier Municipal Boundary
- Tertiary Watershed Boundary (OMNRF)
- Quaternary Watershed Impacted by Anticipated Growth
- Potential Discharge Area
- Water Body (GeoGratis)
- Watercourse (GeoGratis)

Aquatic Resource Thermal Regime Watercourse

— Cold

Depth to Water Table (mbgs) (ORMGP)

- 0 - 1
- 5 - 10
- 1 - 5
- >10



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1:145,000 metres
1,500 0 1,500 3,000
NAD 1983 CSRS UTM Zone 17N



Peterborough County
Peterborough County Watershed Plan Phase 2

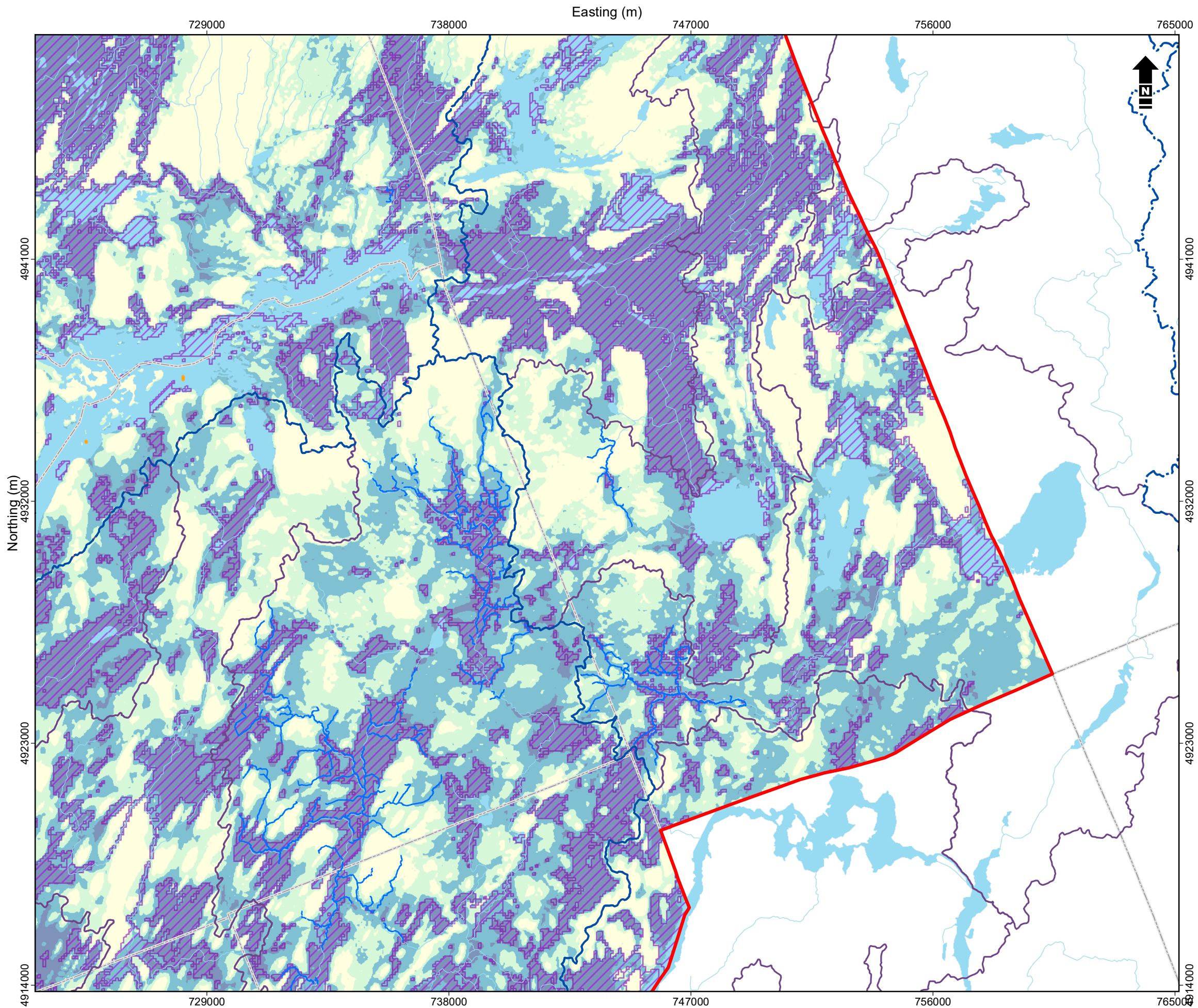
Depth to Water Table and Potential Discharge Area Map

Date:	Project:	Submitter:	Reviewer:
August 2025	40848	D. Parikh	M. Pushkar

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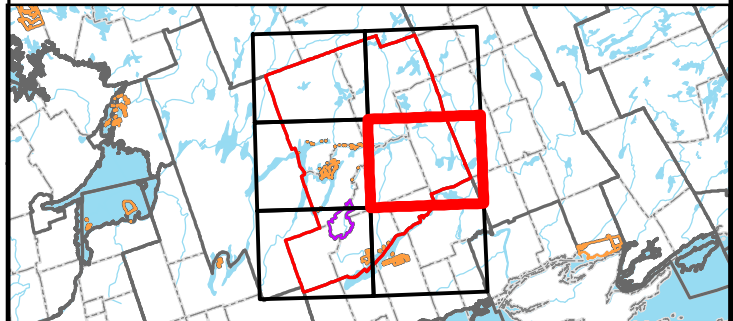
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- Peterborough County Boundary (Study Area)
- City of Peterborough
- First Nation Reserve
- Lower and Single Tier Municipal Boundary
- Tertiary Watershed Boundary (OMNRF)
- Quaternary Watershed Impacted by Anticipated Growth
- Potential Discharge Area
- Water Body (GeoGratis)
- Watercourse (GeoGratis)

- Aquatic Resource Thermal Regime Watercourse**
- Cold
- Depth to Water Table (mbgs) (ORMGP)**
- 0 - 1
 - 1 - 5
 - 5 - 10
 - >10



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1:145,000 metres
1,500 0 1,500 3,000
NAD 1983 CSRS UTM Zone 17N



Peterborough County
Peterborough County Watershed Plan Phase 2

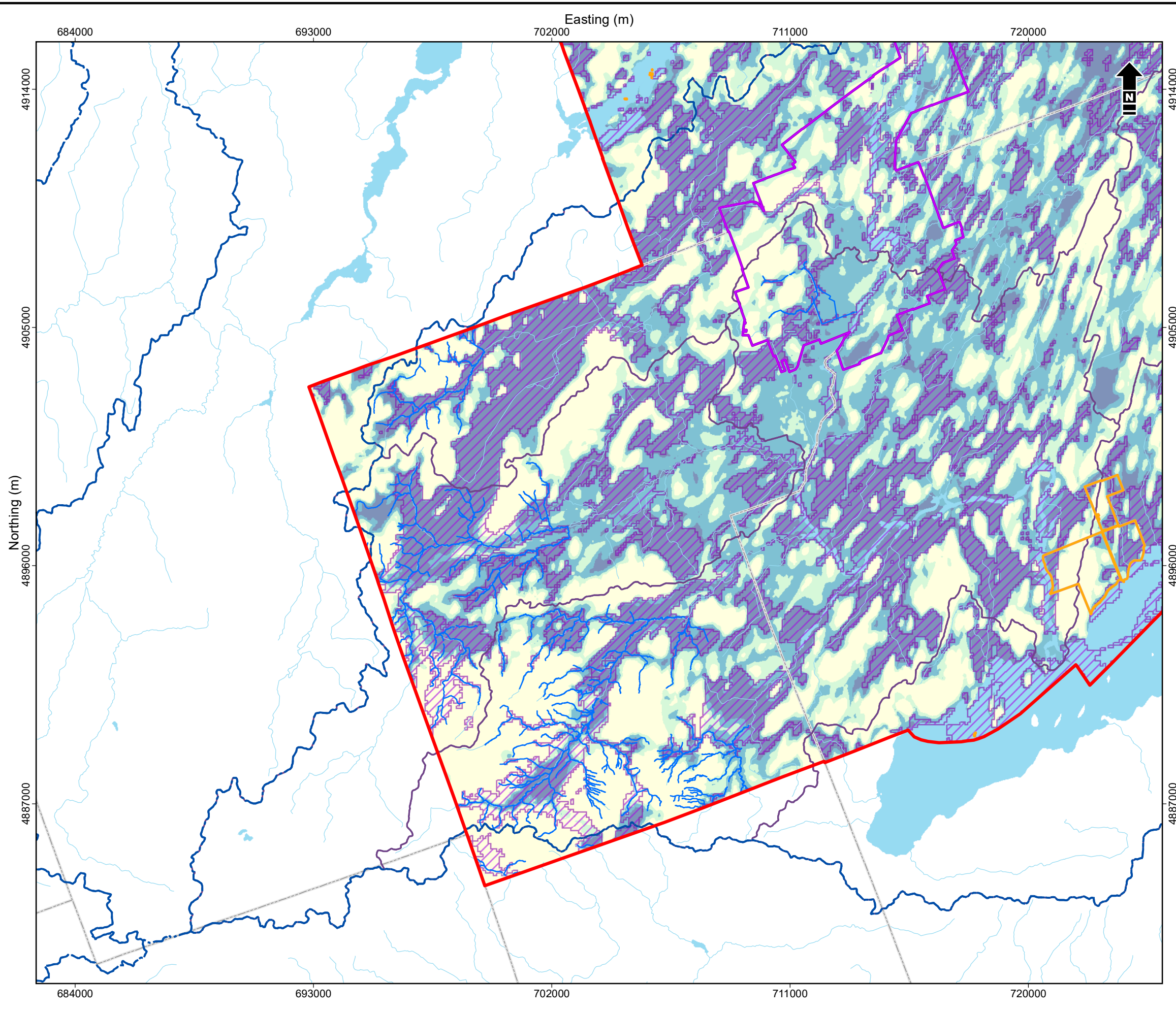
**Depth to Water Table and
Potential Discharge Area Map**

Date:	Project:	Submitter:	Reviewer:
August 2025	40848	D. Parikh	M. Pushkar

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**Figure
20d**

I:\CountyOfPeterborough\40848\FiguresAndTables\WAP\2024\Report\Phase2\Hydrogeology\Figure-GW-5-Depth_to_Water_Table_and_Potential_Discharge_Area_Map.mxd - Tabloid_L - 22-Aug-25, 02:47 PM - Imwright - TID005



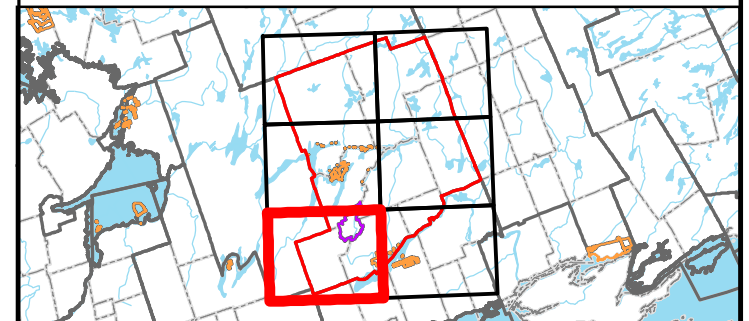
- Peterborough County Boundary (Study Area)
- City of Peterborough
- First Nation Reserve
- Lower and Single Tier Municipal Boundary
- Tertiary Watershed Boundary (OMNRF)
- Quaternary Watershed Impacted by Anticipated Growth
- Potential Discharge Area
- Water Body (GeoGratis)
- Watercourse (GeoGratis)

Aquatic Resource Thermal Regime Watercourse

Cold

Depth to Water Table (mbgs) (ORMGP)

- 0 - 1
- 5 - 10
- 1 - 5
- >10



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1:145,000 metres

1,500 0 1,500 3,000

NAD 1983 CSRS UTM Zone 18N



Peterborough County
Peterborough County Watershed Plan Phase 2

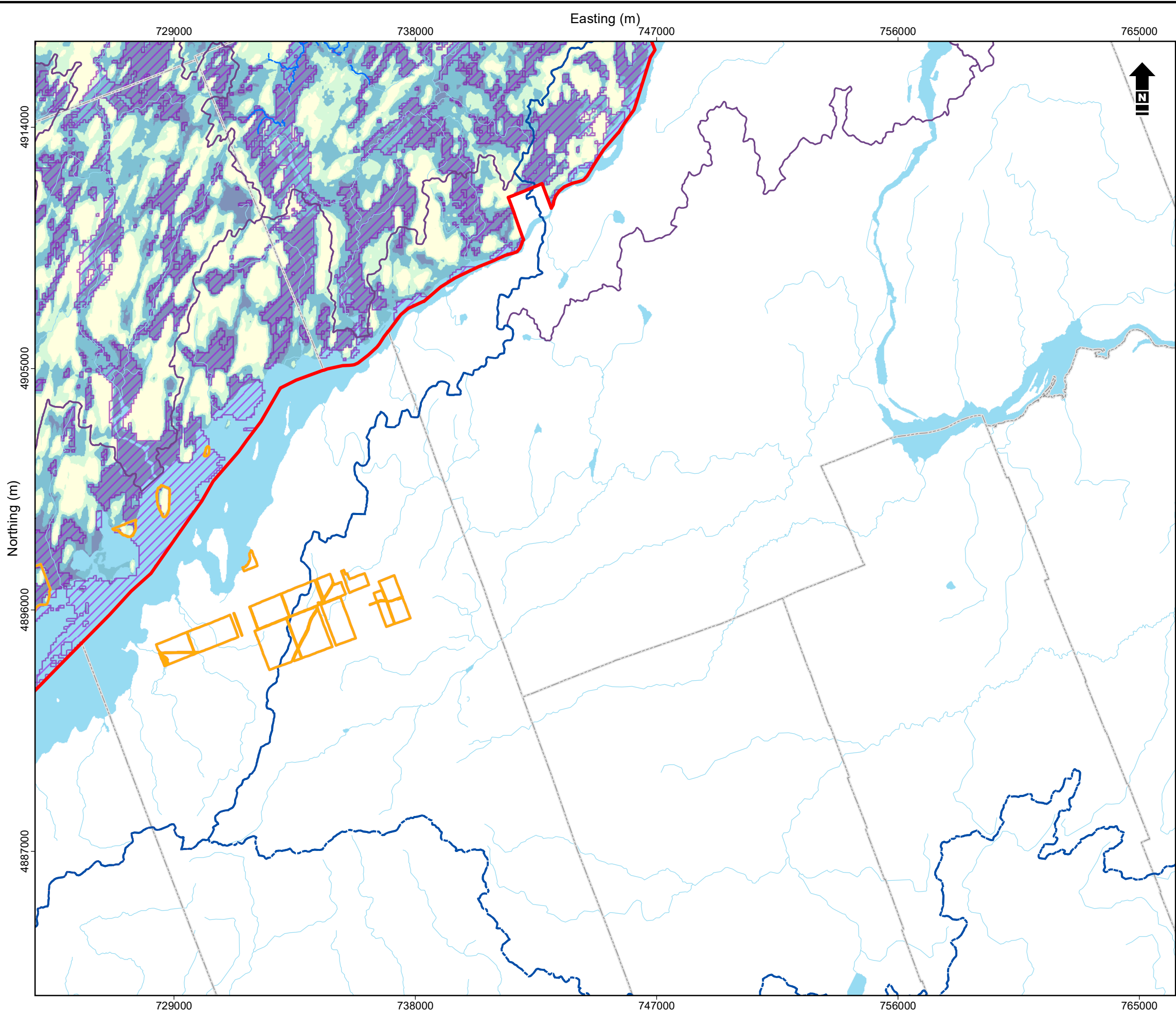
Depth to Water Table and Potential Discharge Area Map

Date:	Project:	Submitter:	Reviewer:
August 2025	40848	D. Parikh	M. Pushkar

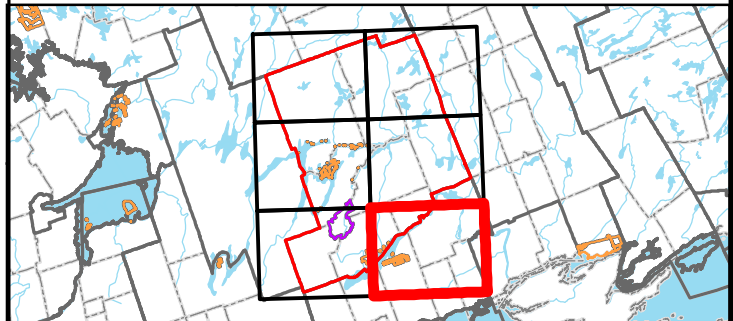
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Figure
20e

I:\CountyOfPeterborough\40848\FiguresAndTables\WAP\2024\Report\Phase2\Hydrogeology\Figure-GW-5-Depth_to_Water_Table_and_Potential_Discharge_Area_Map.mxd - Tabloid_L - 22-Aug-25, 02:47 PM - Imwright - TID005



- Peterborough County Boundary (Study Area)
 - City of Peterborough
 - First Nation Reserve
 - Lower and Single Tier Municipal Boundary
 - Tertiary Watershed Boundary (OMNRF)
 - Quaternary Watershed Impacted by Anticipated Growth
 - Potential Discharge Area
 - Water Body (GeoGratis)
 - Watercourse (GeoGratis)
- Aquatic Resource Thermal Regime Watercourse**
- Cold
- Depth to Water Table (mbgs) (ORMGP)**
- 0 - 1
 - 5 - 10
 - 1 - 5
 - >10



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1:145,000 metres
1,500 0 1,500 3,000
NAD 1983 CSRS UTM Zone 17N

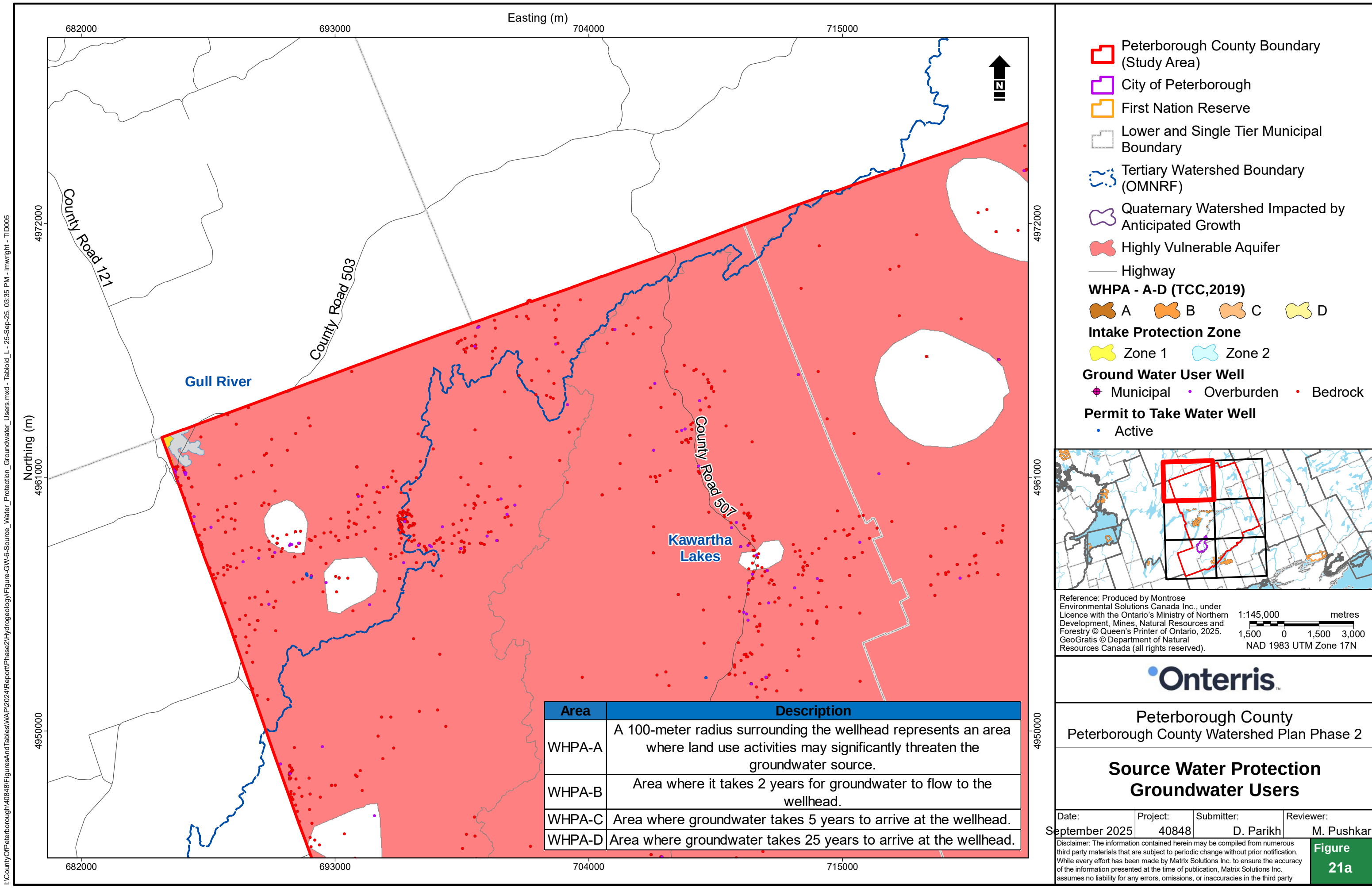
Peterborough County
Peterborough County Watershed Plan Phase 2

**Depth to Water Table and
Potential Discharge Area Map**

Date: August 2025	Project: 40848	Submitter: D. Parikh	Reviewer: M. Pushkar
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**Figure
20f**



I:\CountyOfPeterborough\40848\FiguresAndTables\WAP\2024\Report\Phase2\Hydrogeology\Figure-GW-6-Source_Water_Protection_Groundwater_Users.mxd - Tabloid_L - 25-Sep-25, 03:35 PM - Imwright - TID005

Area	Description
WHPA-A	A 100-meter radius surrounding the wellhead represents an area where land use activities may significantly threaten the groundwater source.
WHPA-B	Area where it takes 2 years for groundwater to flow to the wellhead.
WHPA-C	Area where groundwater takes 5 years to arrive at the wellhead.
WHPA-D	Area where groundwater takes 25 years to arrive at the wellhead.

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1:145,000 metres
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NAD 1983 UTM Zone 17N

Onterris

Peterborough County
Peterborough County Watershed Plan Phase 2

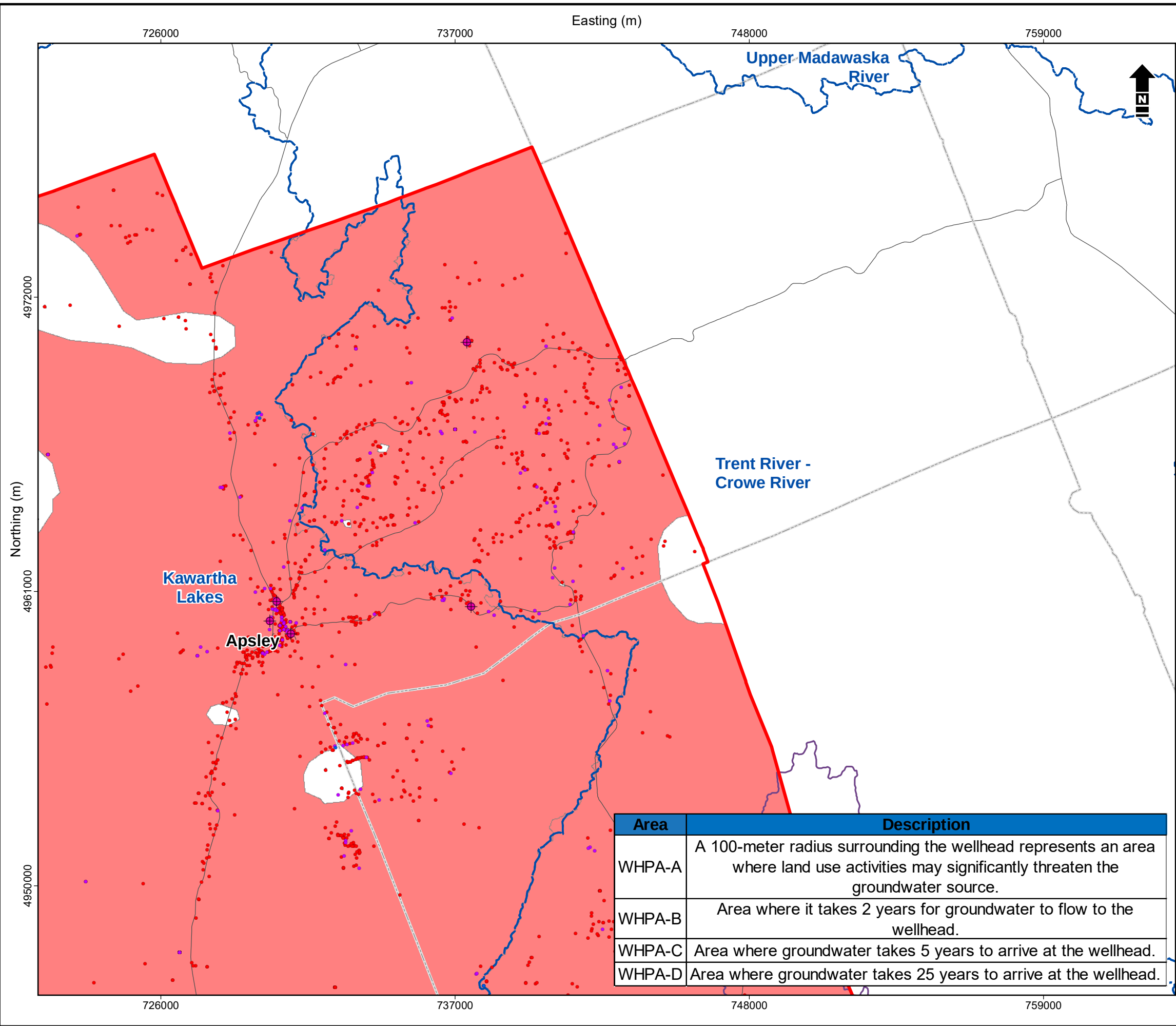
**Source Water Protection
Groundwater Users**

Date: September 2025	Project: 40848	Submitter: D. Parikh	Reviewer: M. Pushkar
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**Figure
21a**

I:\CountyOfPeterborough\40848\FiguresAndTables\WAP\2024\Report\Phase2\Hydrogeology\Figure-GW-6-Source_Water_Protection_Groundwater_Users.mxd - Tabloid_L - 25-Sep-25, 03:36 PM - Imwright - TID005



Peterborough County Boundary (Study Area)

City of Peterborough

First Nation Reserve

Lower and Single Tier Municipal Boundary

Tertiary Watershed Boundary (OMNRF)

Quaternary Watershed Impacted by Anticipated Growth

Highly Vulnerable Aquifer

Highway

WHPA - A-D (TCC, 2019)

A **B** **C** **D**

Intake Protection Zone

Zone 1 **Zone 2**

Ground Water User Well

Municipal **Overburden** **Bedrock**

Permit to Take Water Well

Active

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1:145,000 metres

1,500 0 1,500 3,000

NAD 1983 UTM Zone 17N

Onterris

Peterborough County

Peterborough County Watershed Plan Phase 2

Source Water Protection

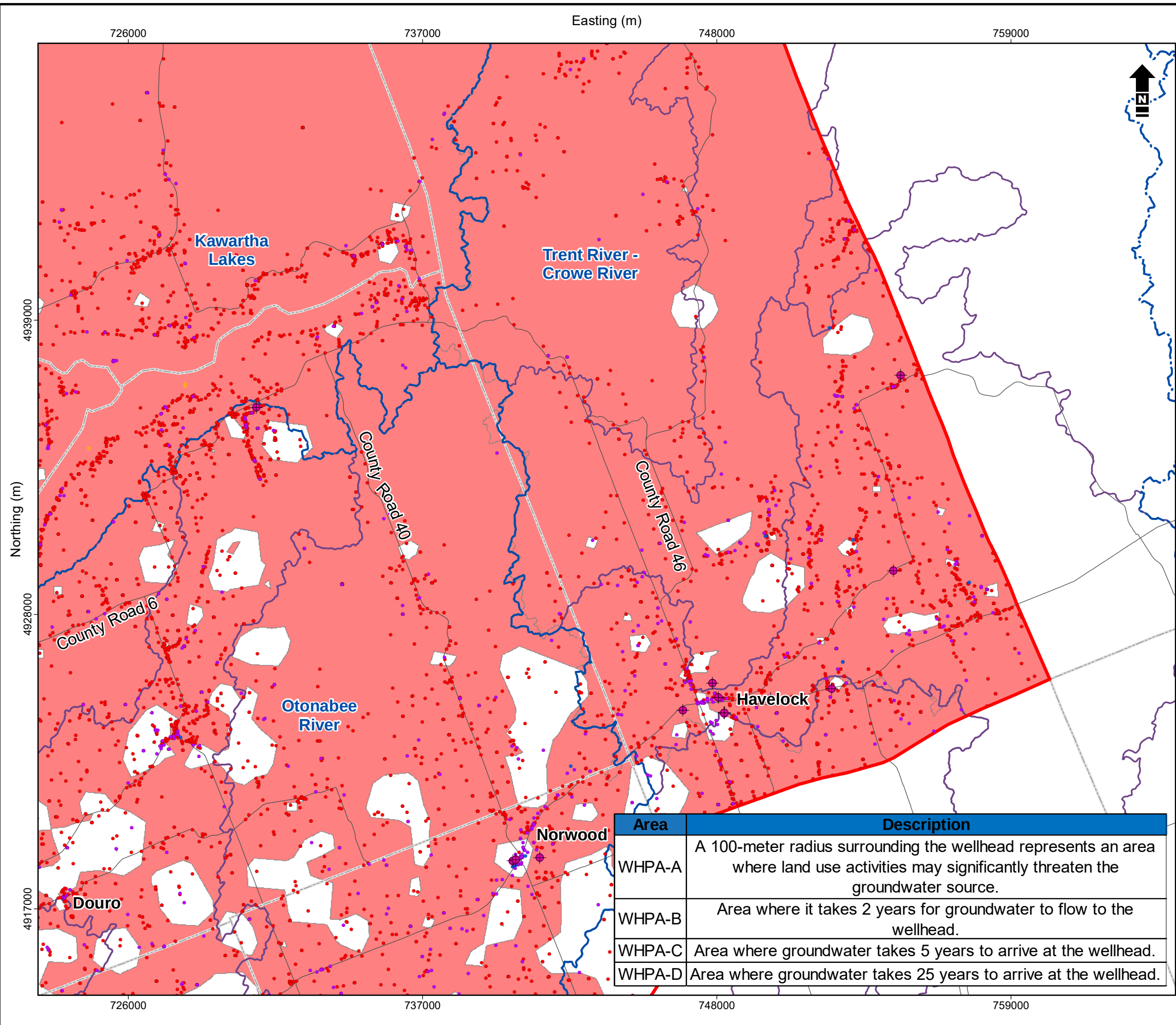
Groundwater Users

Date:	Project:	Submitter:	Reviewer:
September 2025	40848	D. Parikh	M. Pushkar

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Figure 21b

I:\CountyOfPeterborough\40848\FiguresAndTables\WAP\2024\Report\Phase2\Hydrogeology\Figure-GW-6-Source_Water_Protection_Groundwater_Users.mxd - Tabloid_L - 25-Sep-25, 03:38 PM - Imwright - TID005



Legend

- Peterborough County Boundary (Study Area)
- City of Peterborough
- First Nation Reserve
- Lower and Single Tier Municipal Boundary
- Tertiary Watershed Boundary (OMNRF)
- Quaternary Watershed Impacted by Anticipated Growth
- Highly Vulnerable Aquifer
- Highway
- WHPA - A-D (TCC,2019)**
 - A
 - B
 - C
 - D
- Intake Protection Zone**
 - Zone 1
 - Zone 2
- Ground Water User Well**
 - Municipal
 - Overburden
 - Bedrock
- Permit to Take Water Well**
 - Active

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1:145,000 metres
1,500 0 1,500 3,000
NAD 1983 UTM Zone 17N

Onterris

Peterborough County
Peterborough County Watershed Plan Phase 2

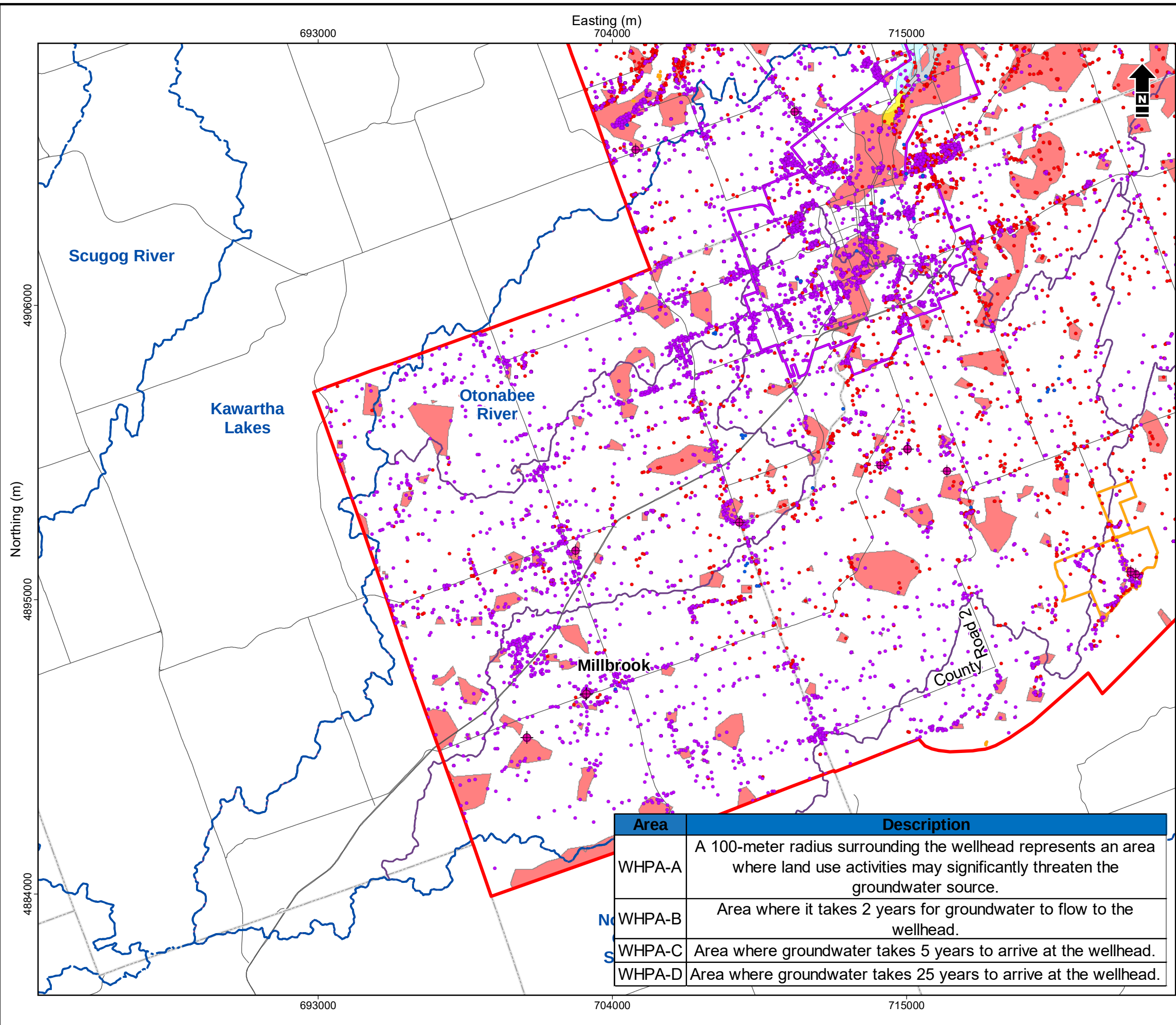
**Source Water Protection
Groundwater Users**

Date: September 2025	Project: 40848	Submitter: D. Parikh	Reviewer: M. Pushkar
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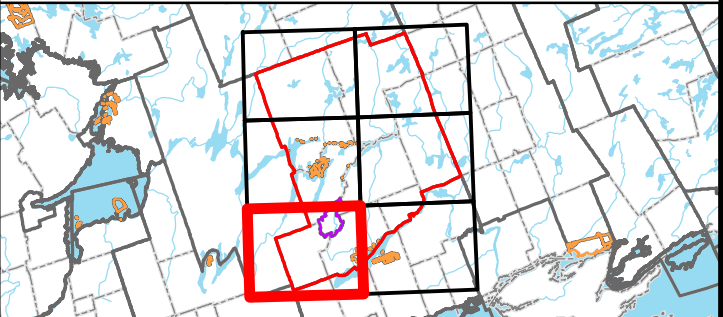
**Figure
21d**

I:\CountyOfPeterborough\40848\FiguresAndTables\WAP\2024\Report\Phase2\Hydrogeology\Figure-GW-6-Source_Water_Protection_Groundwater_Users.mxd - Tabloid_L - 25-Sep-25, 03:38 PM - Imwright - TID005



Area	Description
WHPA-A	A 100-meter radius surrounding the wellhead represents an area where land use activities may significantly threaten the groundwater source.
WHPA-B	Area where it takes 2 years for groundwater to flow to the wellhead.
WHPA-C	Area where groundwater takes 5 years to arrive at the wellhead.
WHPA-D	Area where groundwater takes 25 years to arrive at the wellhead.

- Peterborough County Boundary (Study Area)
- City of Peterborough
- First Nation Reserve
- Lower and Single Tier Municipal Boundary
- Tertiary Watershed Boundary (OMNRF)
- Quaternary Watershed Impacted by Anticipated Growth
- Highly Vulnerable Aquifer
- Highway
- WHPA - A-D (TCC, 2019)
 - A
 - B
 - C
 - D
- Intake Protection Zone
 - Zone 1
 - Zone 2
- Ground Water User Well
 - Municipal
 - Overburden
 - Bedrock
- Permit to Take Water Well
 - Active



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1:145,000 metres

1,500 0 1,500 3,000

NAD 1983 UTM Zone 17N



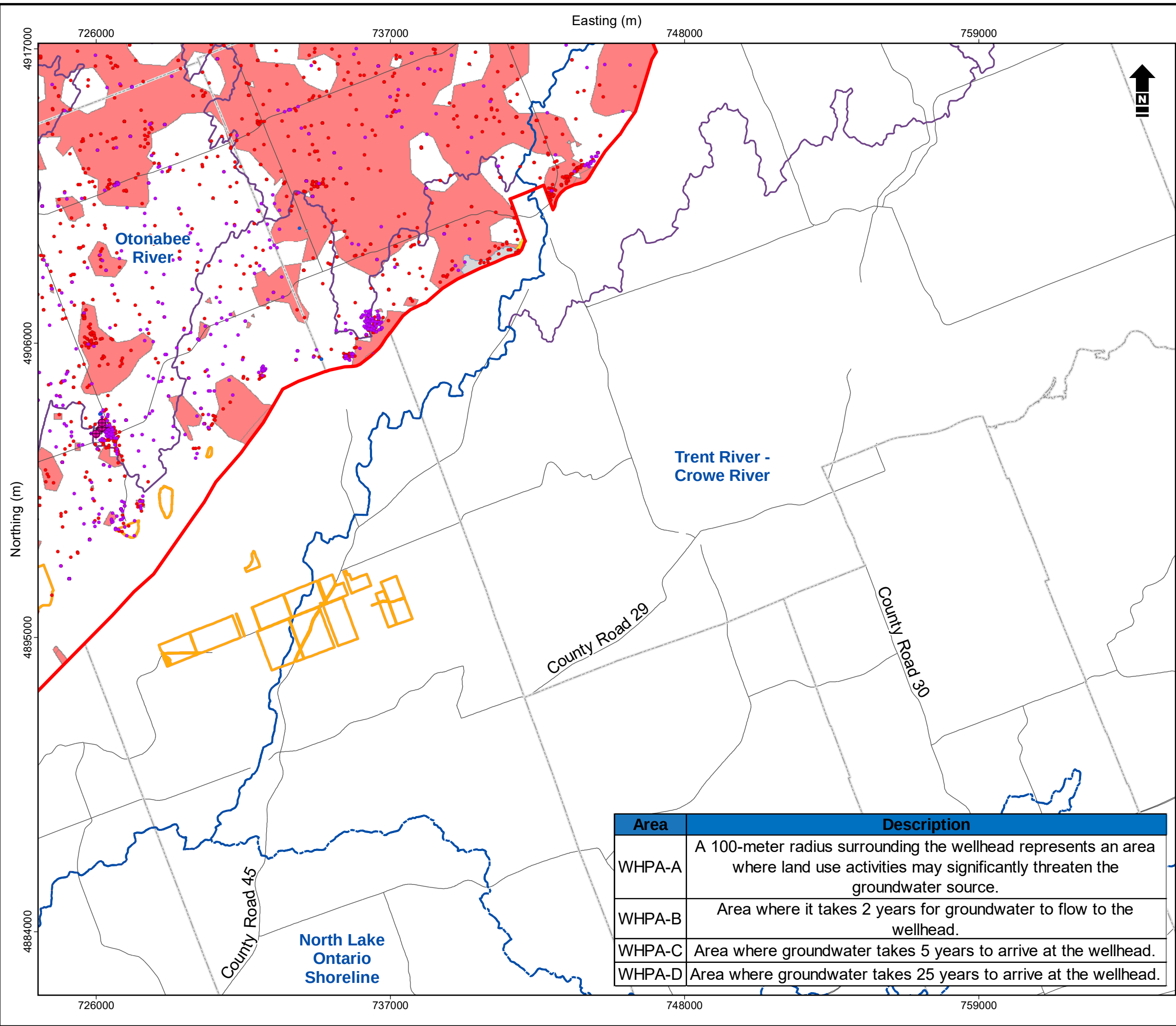
Peterborough County
Peterborough County Watershed Plan Phase 2

Source Water Protection
Groundwater Users

Date: September 2025	Project: 40848	Submitter: D. Parikh	Reviewer: M. Pushkar
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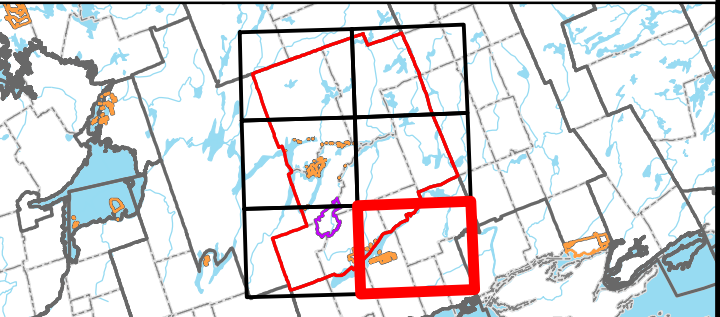
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I:\CountyOfPeterborough\40848\FiguresAndTables\WAP\2024\Report\Phase2\Hydrogeology\Figure-GW-6-Source_Water_Protection_Groundwater_Users.mxd - Tabloid_L - 25-Sep-25, 03:40 PM - Imwright - TID005



Area	Description
WHPA-A	A 100-meter radius surrounding the wellhead represents an area where land use activities may significantly threaten the groundwater source.
WHPA-B	Area where it takes 2 years for groundwater to flow to the wellhead.
WHPA-C	Area where groundwater takes 5 years to arrive at the wellhead.
WHPA-D	Area where groundwater takes 25 years to arrive at the wellhead.

- Peterborough County Boundary (Study Area)
- City of Peterborough
- First Nation Reserve
- Lower and Single Tier Municipal Boundary
- Tertiary Watershed Boundary (OMNRF)
- Quaternary Watershed Impacted by Anticipated Growth
- Highly Vulnerable Aquifer
- Highway
- WHPA - A-D (TCC, 2019)
- A
- B
- C
- D
- Intake Protection Zone
- Zone 1
- Zone 2
- Ground Water User Well
- Municipal
- Overburden
- Bedrock
- Permit to Take Water Well
- Active



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1:145,000 metres
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NAD 1983 UTM Zone 17N



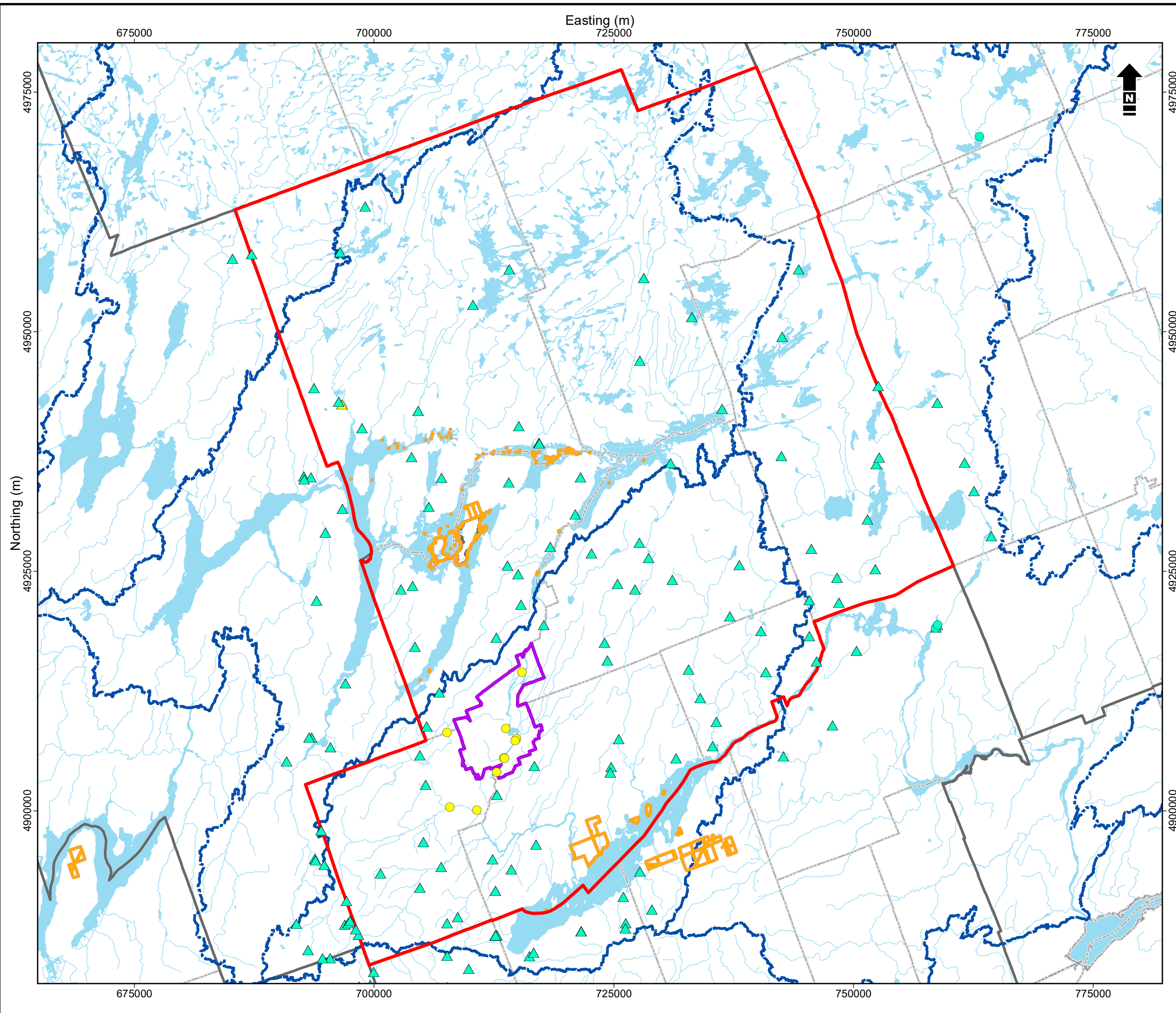
Peterborough County
Peterborough County Watershed Plan Phase 2

Source Water Protection
Groundwater Users

Date:	Project:	Submitter:	Reviewer:
September 2025	40848	D. Parikh	M. Pushkar

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I:\CountyOfPeterborough\40848\FiguresAndTables\WAP\2024\Report\Phase1\Figure-13-Peterborough_County_Hydrogeological_Report_Water_Quality_Monitoring_Sites.mxd - Tabloid_L - 11-Mar-25, 06:32 PM - Inwright - TID005



- Peterborough County Boundary (Study Area)
- City of Peterborough
- First Nation Reserve
- Upper Tier and District Municipal Boundary
- Lower and Single Tier Municipal Boundary
- Tertiary Watershed Boundary (OMNRF)
- Water Body (GeoGratis)
- Watercourse (GeoGratis)
- Ground Water Quality Monitoring Station (CVCA)
- Ground Water Quality Monitoring Station (ORMGP)
- Surface Water Quality Monitoring Station (City of Peterborough)
- Surface Water Quality Monitoring Station (KRCA)

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1:400,000 metres
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NAD 1983 UTM Zone 17N



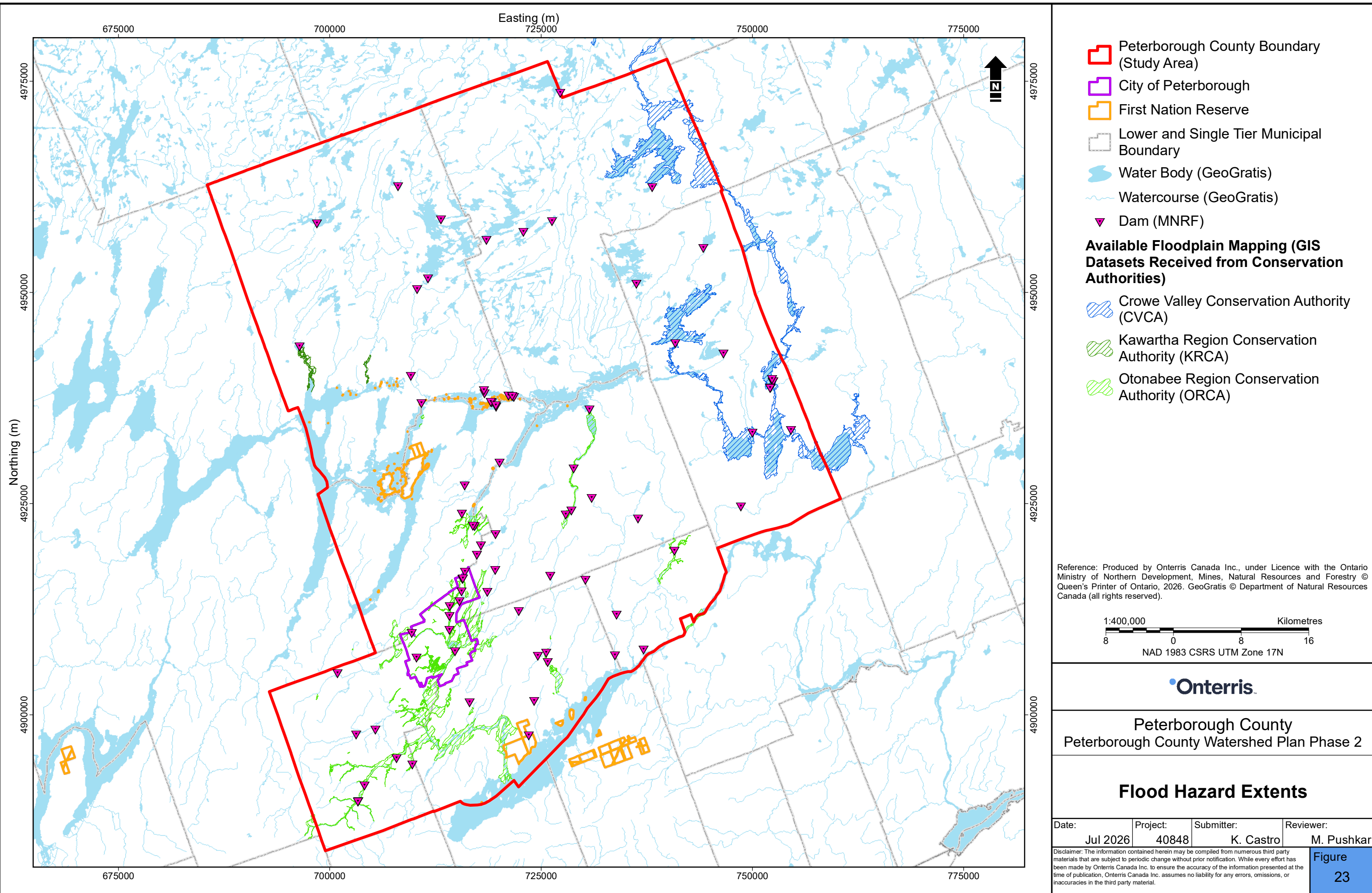
Peterborough County
Peterborough County Watershed Plan Phase 1

Peterborough County Water Quality Monitoring Sites

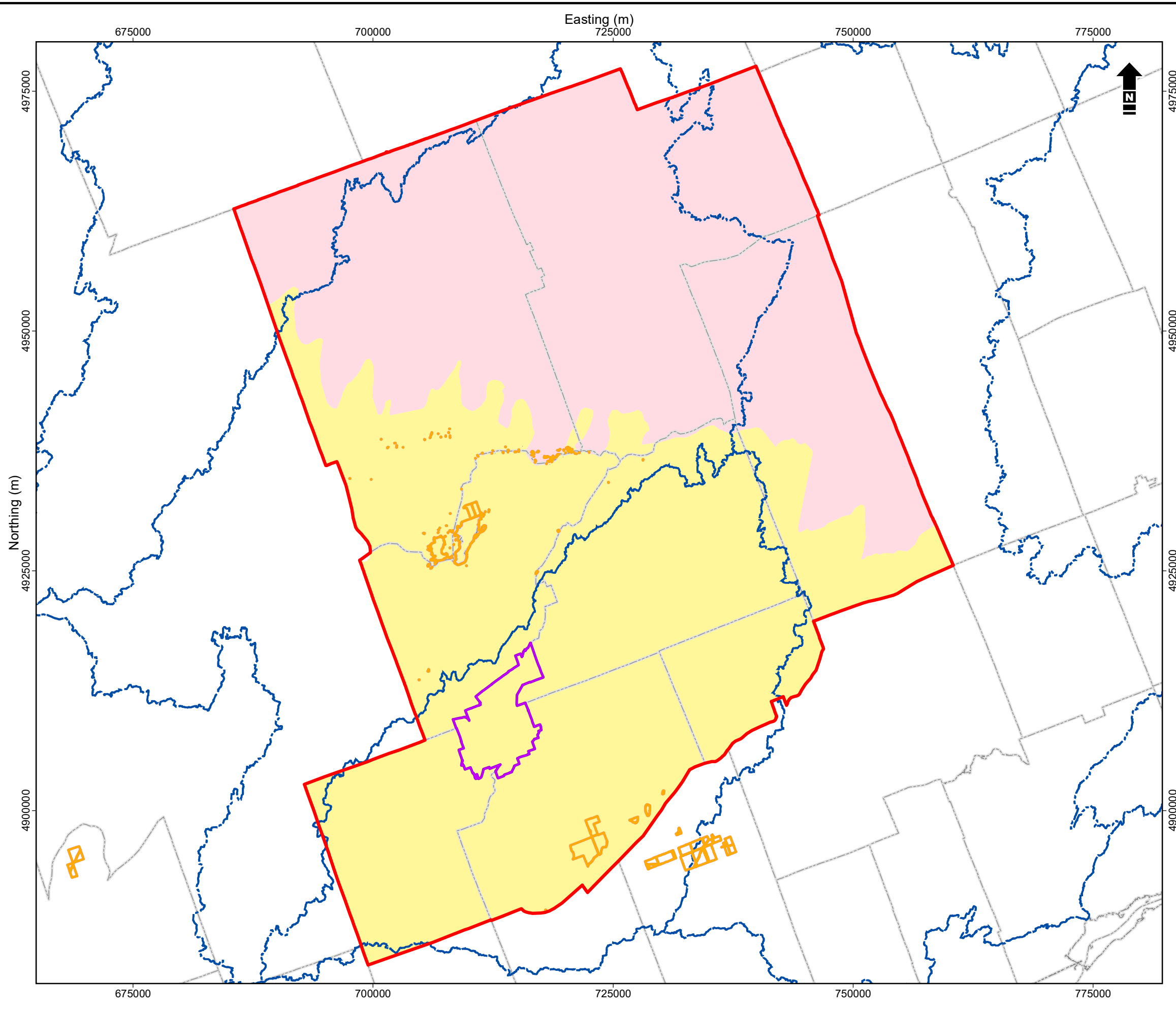
Date:	Project:	Submitter:	Reviewer:
March 2025	40848	K. Goguen	M. Pushkar

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I:\CountyOfPeterborough\40848\FiguresAndTables\WAP\2024\Report\Phase2\Hydrology\Figure-23-Flood_Hazard_Extents.mxd - Tabloid_L - 02-Jul-26, 05:25 PM - Echo - TID005



I:\CountyOfPeterborough\40848\FiguresAndTables\WAP\2024\Report\Phase2\Ecology\Figure-X-Study_Area_Ecoregions.mxd - Tabloid_L - 02-May-25, 10:04 AM - Imwright - TID005



- Peterborough County Boundary (Study Area)
- City of Peterborough
- First Nation Reserve
- Lower and Single Tier Municipal Boundary
- Tertiary Watershed Boundary (OMNRF)
- Ecoregion (Zone Name)**
 - 6E: Mixedwood Plains
 - 5E: Ontario Shield

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1:400,000
8 0 8 16
Kilometres
NAD 1983 CSRS UTM Zone 17N



Peterborough County
Peterborough County Watershed Plan Phase 2

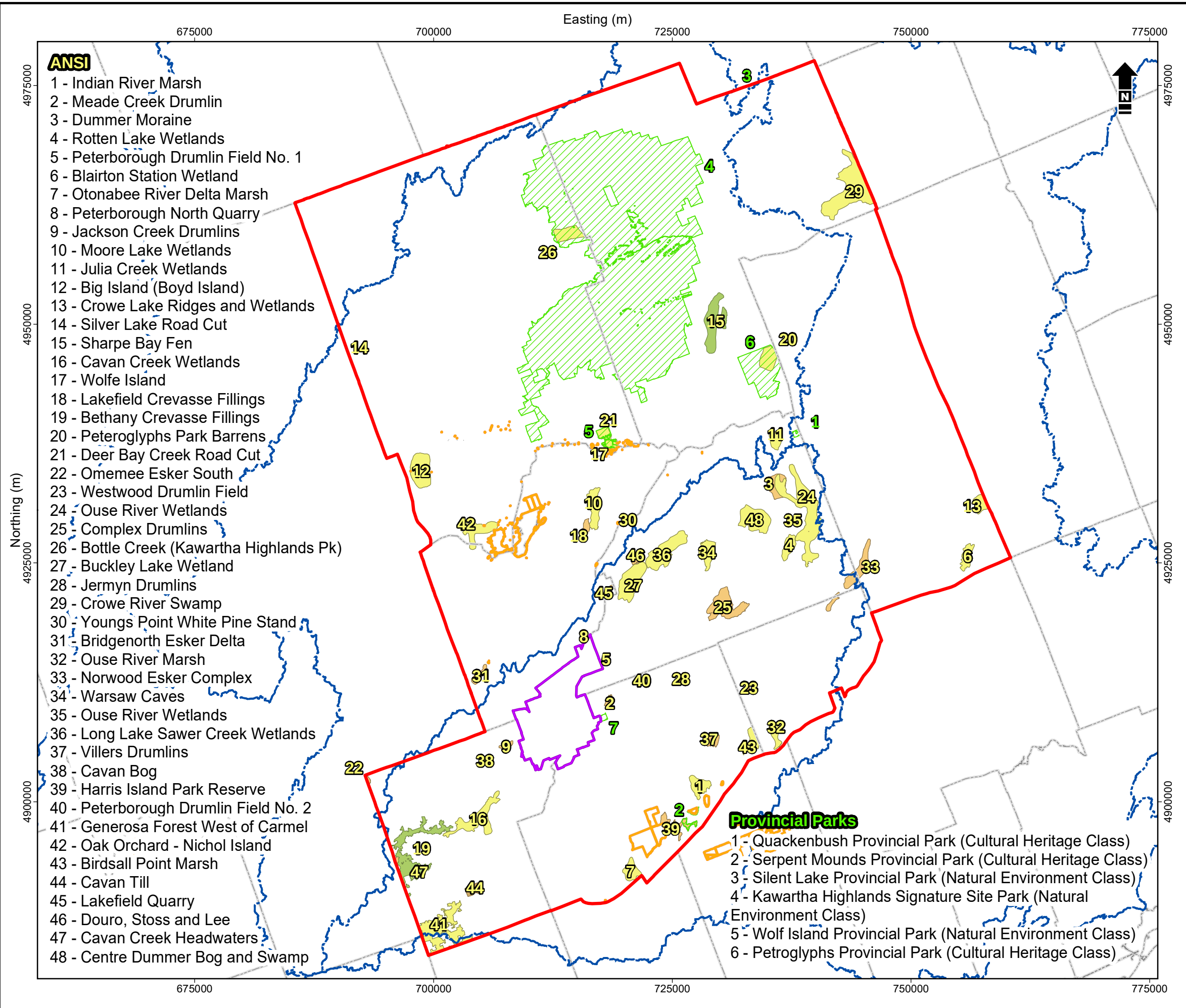
Study Area Ecoregions

Date:	Project:	Submitter:	Reviewer:
May 2025	40848	D. Frey	M. Pushkar

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Figure
24

I:\CountyOfPeterborough\40848\FiguresAndTables\WAP\2024\Report\Phase2\Ecology\Figure-X-Study_Area_Areas_of_Natural_and_Scientific_Interest.mxd - Tabloid_L - 02-May-25, 10:02 AM - Inwright - TID005



ANSI

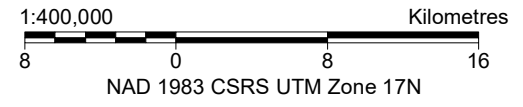
- 1 - Indian River Marsh
- 2 - Meade Creek Drumlin
- 3 - Dummer Moraine
- 4 - Rotten Lake Wetlands
- 5 - Peterborough Drumlin Field No. 1
- 6 - Blairton Station Wetland
- 7 - Otonabee River Delta Marsh
- 8 - Peterborough North Quarry
- 9 - Jackson Creek Drumlins
- 10 - Moore Lake Wetlands
- 11 - Julia Creek Wetlands
- 12 - Big Island (Boyd Island)
- 13 - Crowe Lake Ridges and Wetlands
- 14 - Silver Lake Road Cut
- 15 - Sharpe Bay Fen
- 16 - Cavan Creek Wetlands
- 17 - Wolfe Island
- 18 - Lakefield Crevasse Fillings
- 19 - Bethany Crevasse Fillings
- 20 - Peteroglyphs Park Barrens
- 21 - Deer Bay Creek Road Cut
- 22 - Omemee Esker South
- 23 - Westwood Drumlin Field
- 24 - Ouse River Wetlands
- 25 - Complex Drumlins
- 26 - Bottle Creek (Kawartha Highlands Pk)
- 27 - Buckley Lake Wetland
- 28 - Jermyn Drumlins
- 29 - Crowe River Swamp
- 30 - Youngs Point White Pine Stand
- 31 - Bridgenorth Esker Delta
- 32 - Ouse River Marsh
- 33 - Norwood Esker Complex
- 34 - Warsaw Caves
- 35 - Ouse River Wetlands
- 36 - Long Lake Sawer Creek Wetlands
- 37 - Villers Drumlins
- 38 - Cavan Bog
- 39 - Harris Island Park Reserve
- 40 - Peterborough Drumlin Field No. 2
- 41 - Generosa Forest West of Carmel
- 42 - Oak Orchard - Nichol Island
- 43 - Birdsall Point Marsh
- 44 - Cavan Till
- 45 - Lakefield Quarry
- 46 - Douro, Stoss and Lee
- 47 - Cavan Creek Headwaters
- 48 - Centre Dummer Bog and Swamp

Provincial Parks

- 1 - Quackenbush Provincial Park (Cultural Heritage Class)
- 2 - Serpent Mounds Provincial Park (Cultural Heritage Class)
- 3 - Silent Lake Provincial Park (Natural Environment Class)
- 4 - Kawartha Highlands Signature Site Park (Natural Environment Class)
- 5 - Wolf Island Provincial Park (Natural Environment Class)
- 6 - Petroglyphs Provincial Park (Cultural Heritage Class)

- Peterborough County Boundary (Study Area)
- City of Peterborough
- First Nation Reserve
- Lower and Single Tier Municipal Boundary
- Provincial Park
- ANSI, Earth Science
- ANSI, Life Science
- Candidate ANSI, Earth Science
- Candidate ANSI, Life Science
- Tertiary Watershed Boundary (OMNRF)

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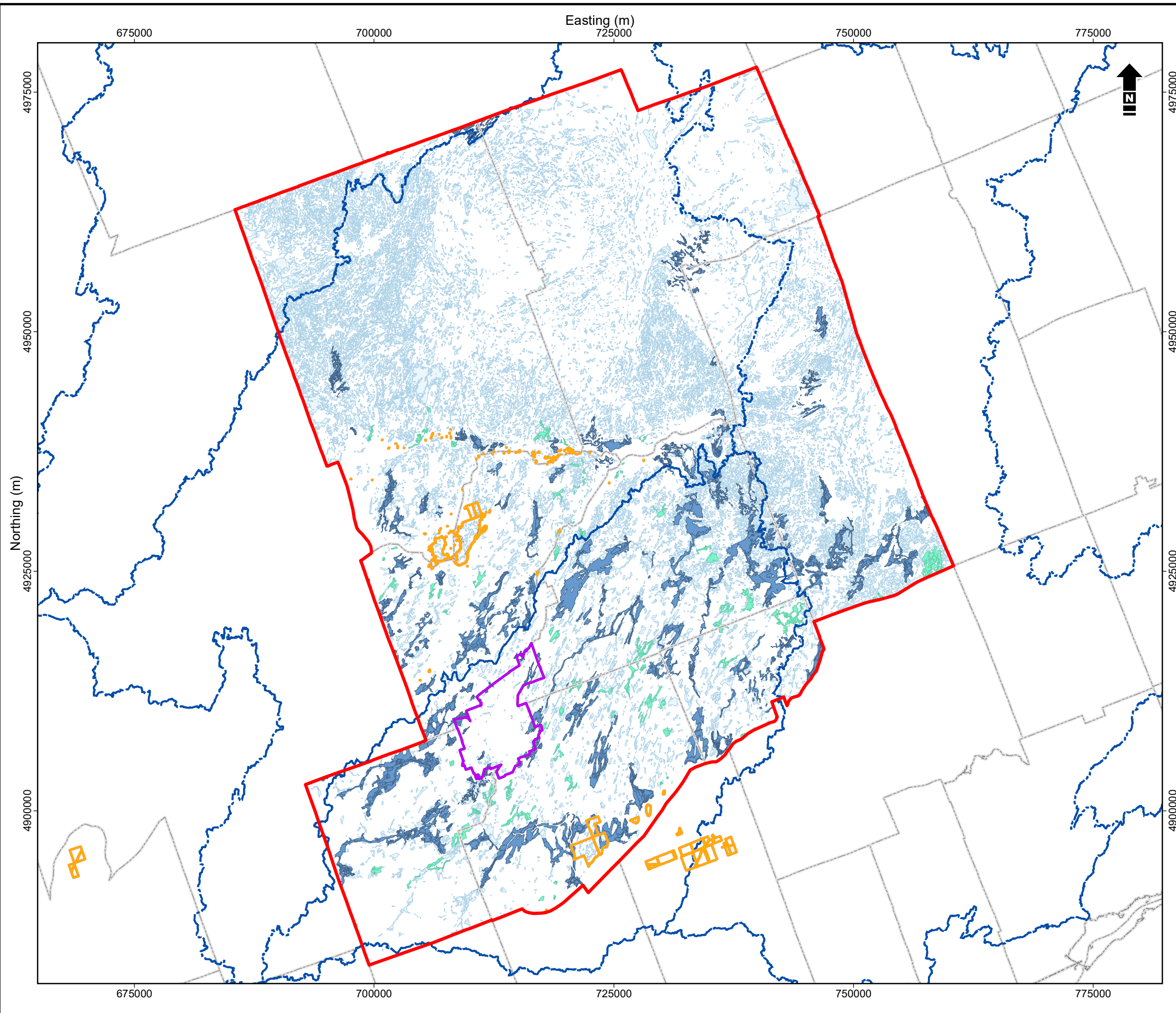
Peterborough County
Peterborough County Watershed Plan Phase 2

Study Area
Areas of Natural and Scientific Interest

Date:	Project:	Submitter:	Reviewer:
May 2025	40848	D. Frey	M. Pushkar

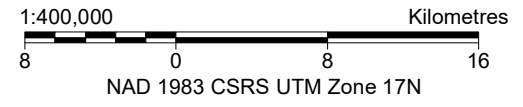
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- Peterborough County Boundary (Study Area)
- City of Peterborough
- First Nation Reserve
- Lower and Single Tier Municipal Boundary
- Tertiary Watershed Boundary (OMNRF)
- Unevaluated Wetlands
- Evaluated Non-Significant Wetlands
- Provincially Significant Wetland

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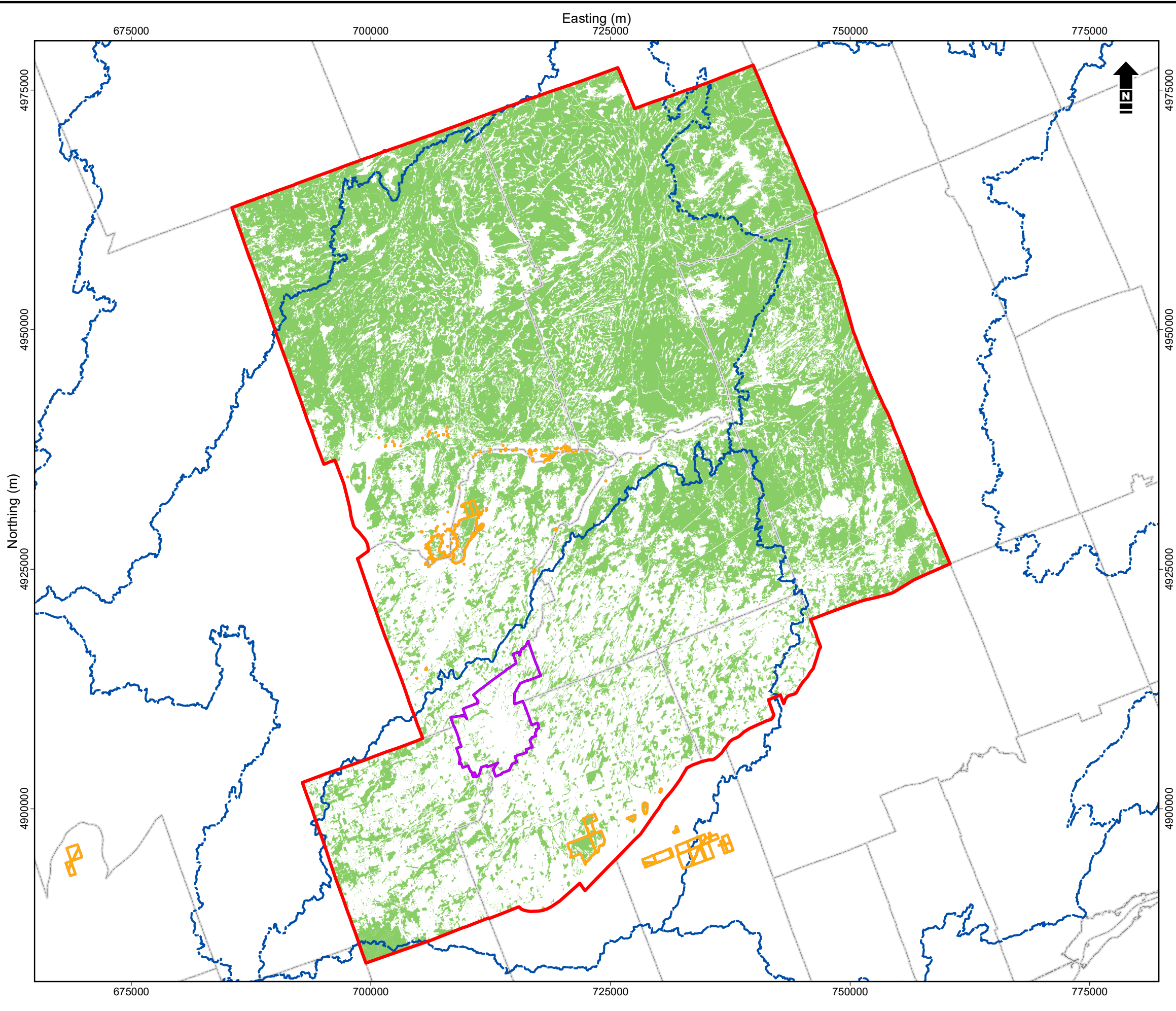
Peterborough County
Peterborough County Watershed Plan Phase 2

**Study Area
Wetlands**

Date:	Project:	Submitter:	Reviewer:
May 2025	40848	D. Frey	M. Pushkar

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I:\CountyOfPeterborough\40848\FiguresAndTables\WAP\2024\Report\Phase2\Ecology\Figure-X-Study_Area_Woodlands.mxd - Tabloid_L - 02-May-25, 10:29 AM - lmwright - TID005



- Peterborough County Boundary (Study Area)
- City of Peterborough
- First Nation Reserve
- Lower and Single Tier Municipal Boundary
- Wooded Area (MNRF)
- Tertiary Watershed Boundary (OMNRF)

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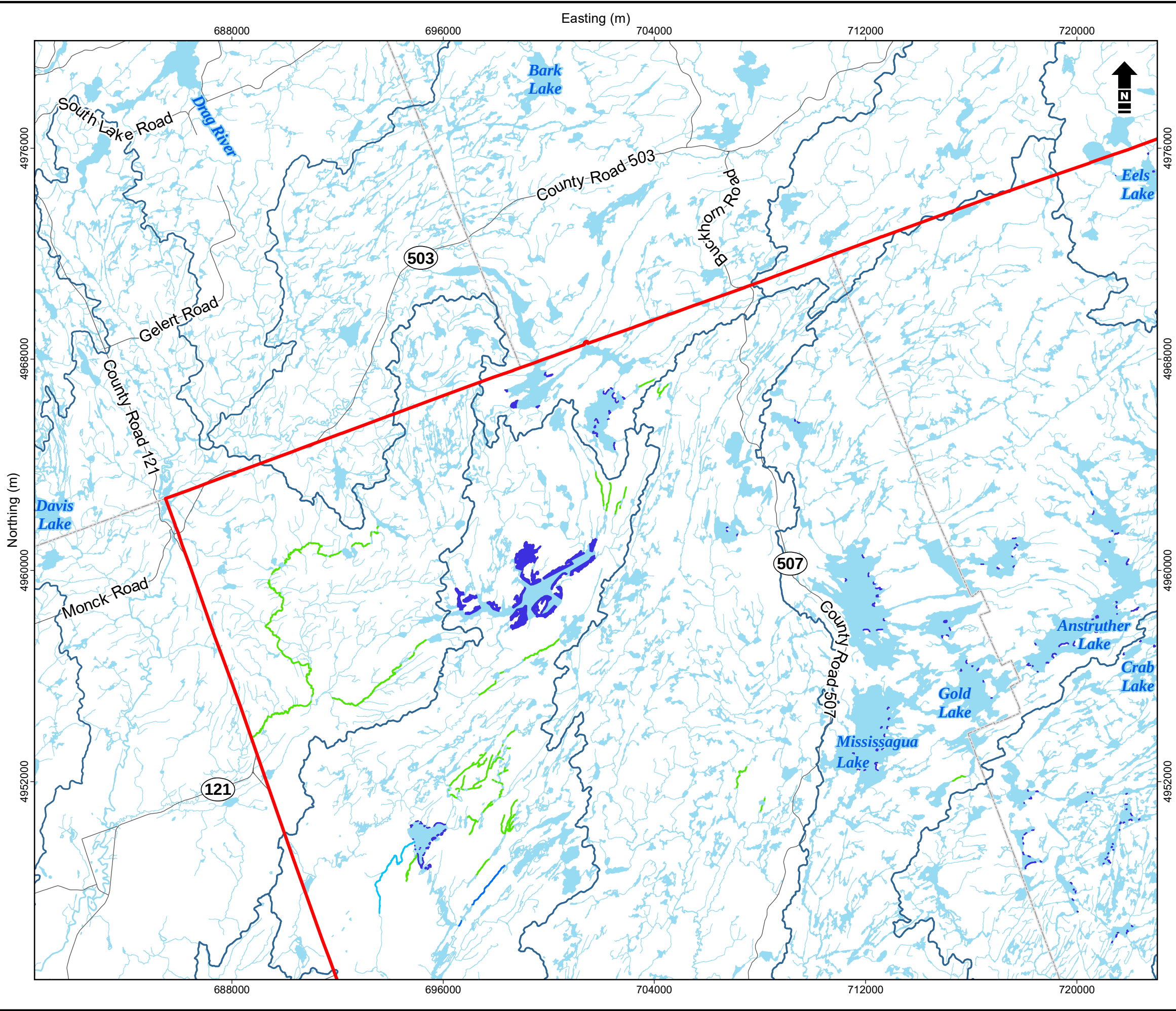
Peterborough County Peterborough County Watershed Plan Phase 2

Study Area Woodlands

Date:	Project:	Submitter:	Reviewer:
May 2025	40848	D. Frey	M. Pushkar

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I:\CountyOfPeterborough\40848\FiguresAndTables\WAP\2024\Report\Phase2\Ecology\Figure-X-Study_Area_Fish_Habitat_and_Fish_Activity_Areas.mxd - Tabloid_L - 24-Sep-25, 11:02 PM - Imrwright - TID005



Peterborough County Boundary
(Study Area)

City of Peterborough

First Nation Reserve

Lower and Single Tier Municipal
Boundary

Quaternary Watershed Boundary
(OMNRF)

Fish Activity Area (Known Fish
Spawning Areas)

Water Body (OHN)

Watercourse (OHN)

Highway

Railway

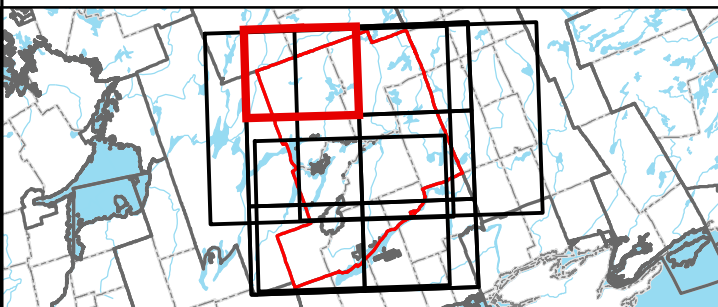
Aquatic Resource Thermal Regime

Cold

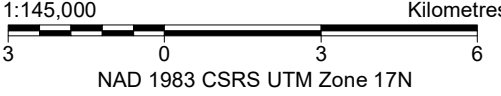
Warm

Cool

Unknown



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Onterris

Peterborough County
Peterborough County Watershed Plan Phase 2

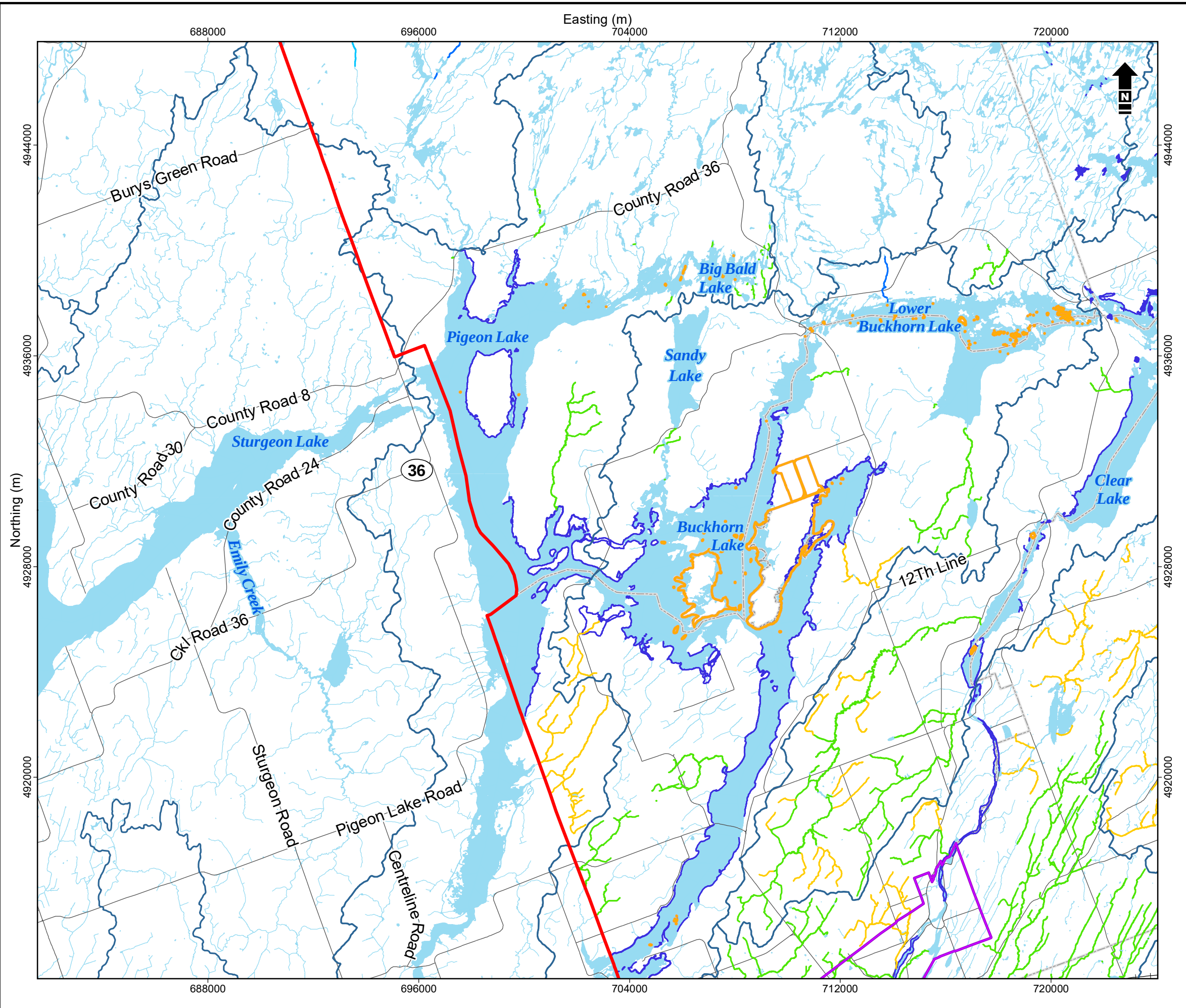
**Study Area
Fish Habitat and Fish Activity Areas**

Date: Sep 2025	Project: 40848	Submitter: K. Goguen	Reviewer: M. Pushkar
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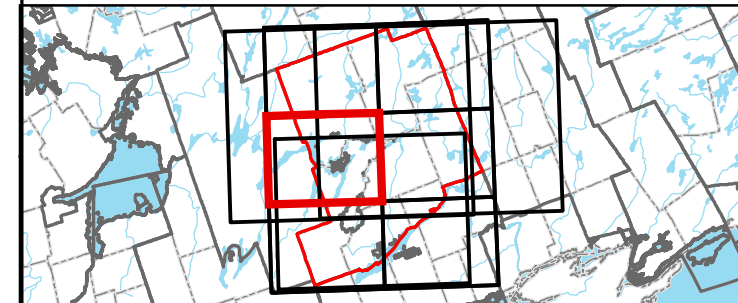
**Figure
28a**

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- Peterborough County Boundary (Study Area)
- City of Peterborough
- First Nation Reserve
- Lower and Single Tier Municipal Boundary
- Quaternary Watershed Boundary (OMNRF)
- Fish Activity Area (Known Fish Spawning Areas)
- Water Body (OHN)
- Watercourse (OHN)
- Highway
- Railway

- Aquatic Resource Thermal Regime**
- Cold
 - Warm
 - Cool
 - Unknown



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Kilometres
NAD 1983 CSRS UTM Zone 17N



Peterborough County
Peterborough County Watershed Plan Phase 2

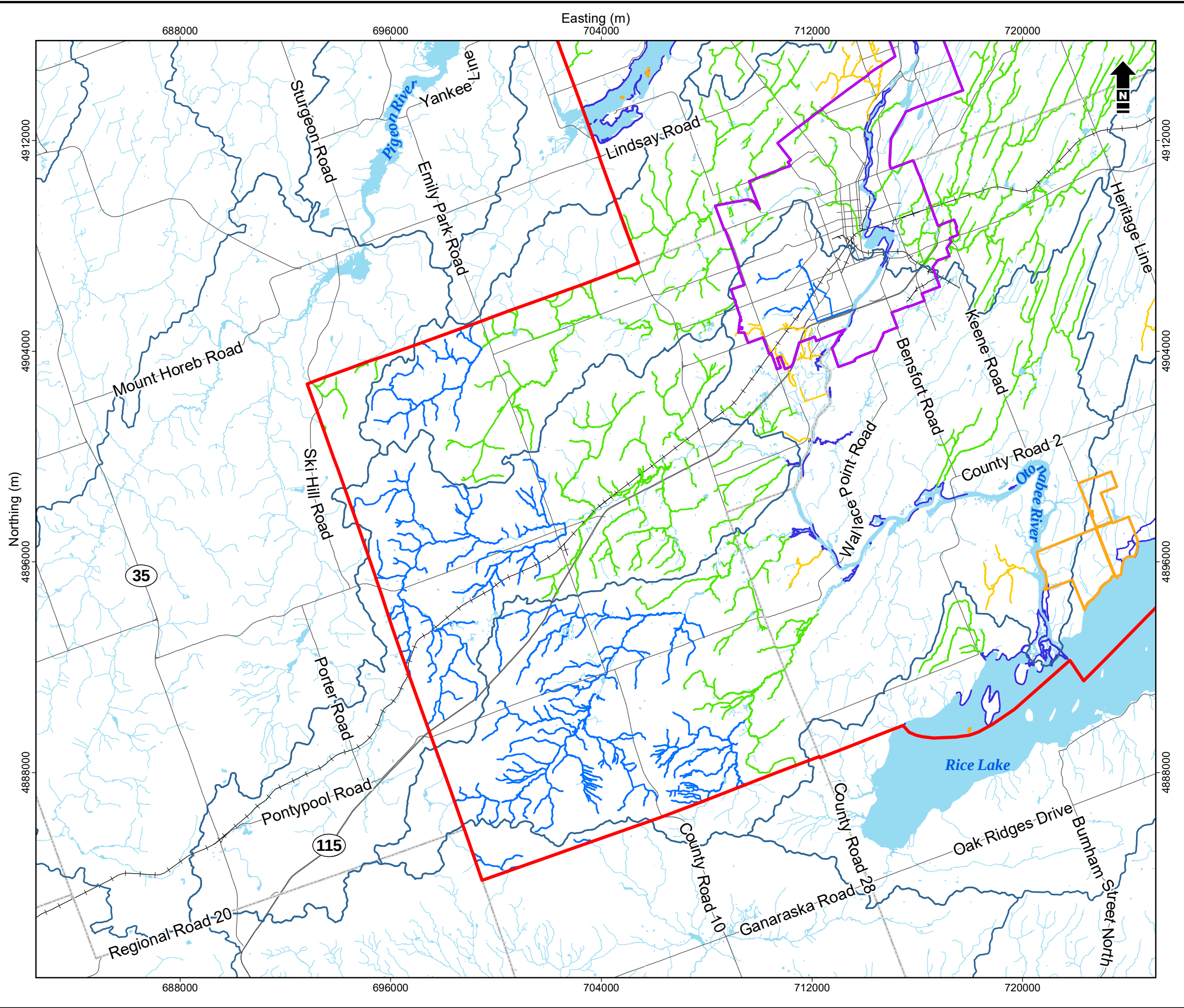
Study Area Fish Habitat and Fish Activity Areas

Date: Sep 2025	Project: 40848	Submitter: K. Goguen	Reviewer: M. Pushkar
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Figure
28b

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Peterborough County Boundary
(Study Area)

City of Peterborough

First Nation Reserve

Lower and Single Tier Municipal
Boundary

Quaternary Watershed Boundary
(OMNRF)

Fish Activity Area (Known Fish
Spawning Areas)

Water Body (OHN)

Watercourse (OHN)

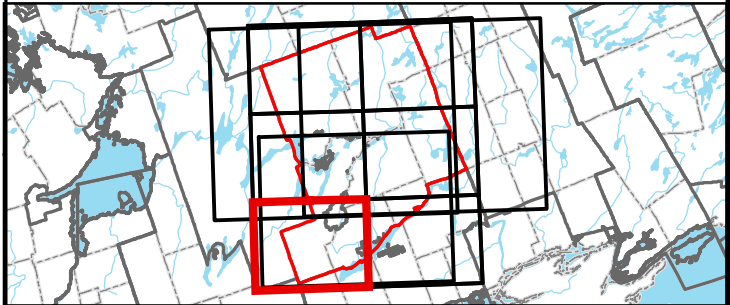
Highway

Railway

Aquatic Resource Thermal Regime

Cold Warm

Cool Unknown



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Kilometres
NAD 1983 CSRS UTM Zone 17N

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Peterborough County
Peterborough County Watershed Plan Phase 2

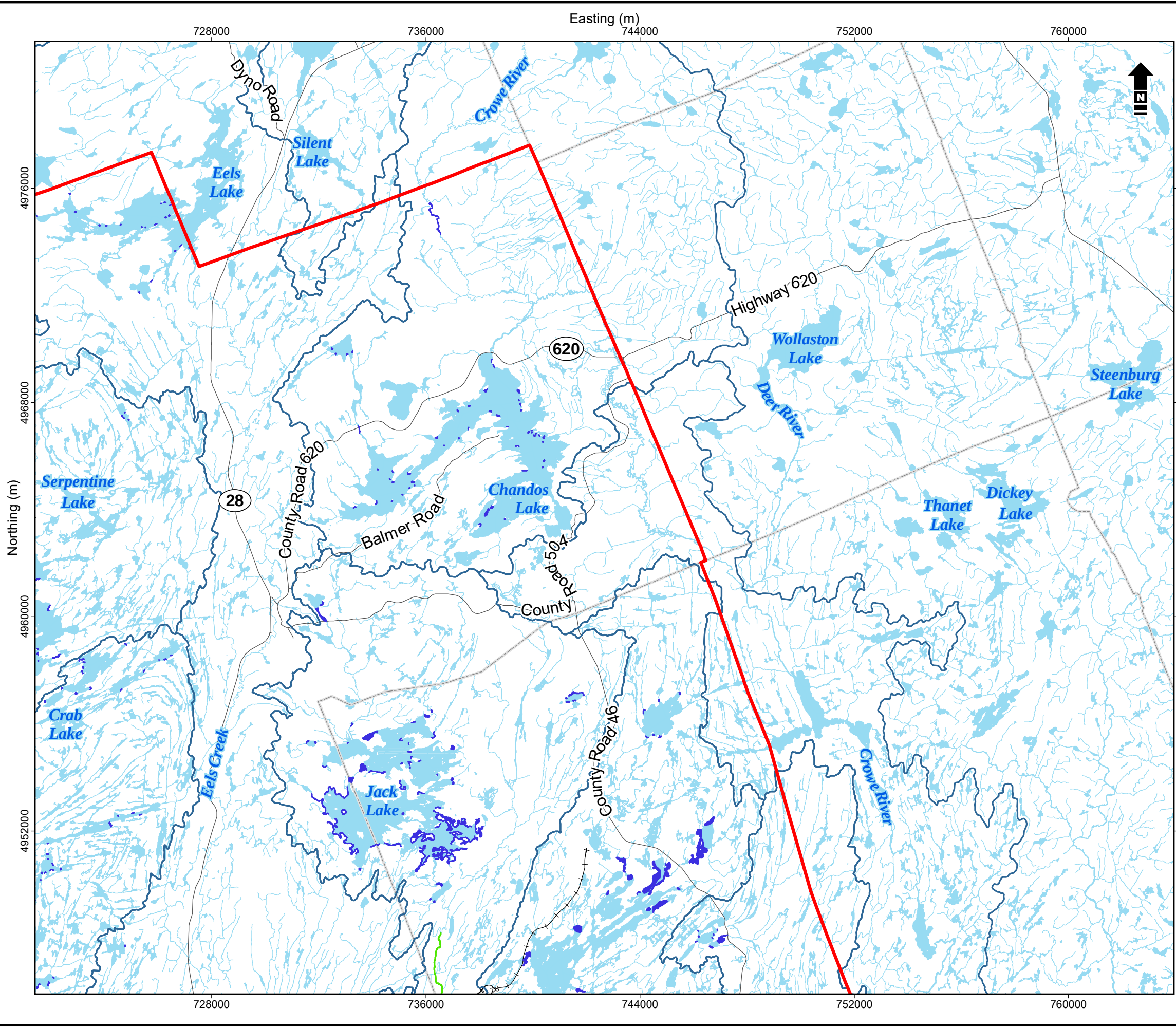
**Study Area
Fish Habitat and Fish Activity Areas**

Date: Sep 2025	Project: 40848	Submitter: K. Goguen	Reviewer: M. Pushkar
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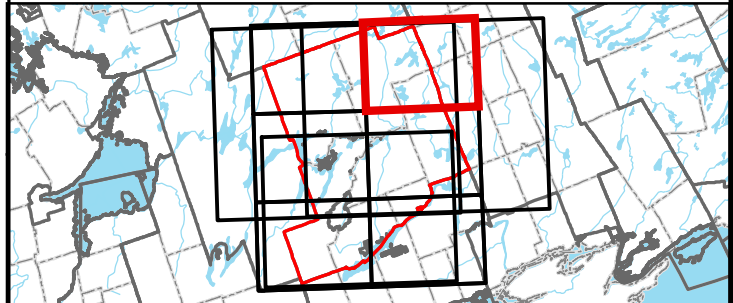
**Figure
28c**

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- Peterborough County Boundary (Study Area)
- City of Peterborough
- First Nation Reserve
- Lower and Single Tier Municipal Boundary
- Quaternary Watershed Boundary (OMNRF)
- Fish Activity Area (Known Fish Spawning Areas)
- Water Body (OHN)
- Watercourse (OHN)
- Highway
- Railway

- Aquatic Resource Thermal Regime**
- Cold
 - Warm
 - Cool
 - Unknown



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Peterborough County
Peterborough County Watershed Plan Phase 2

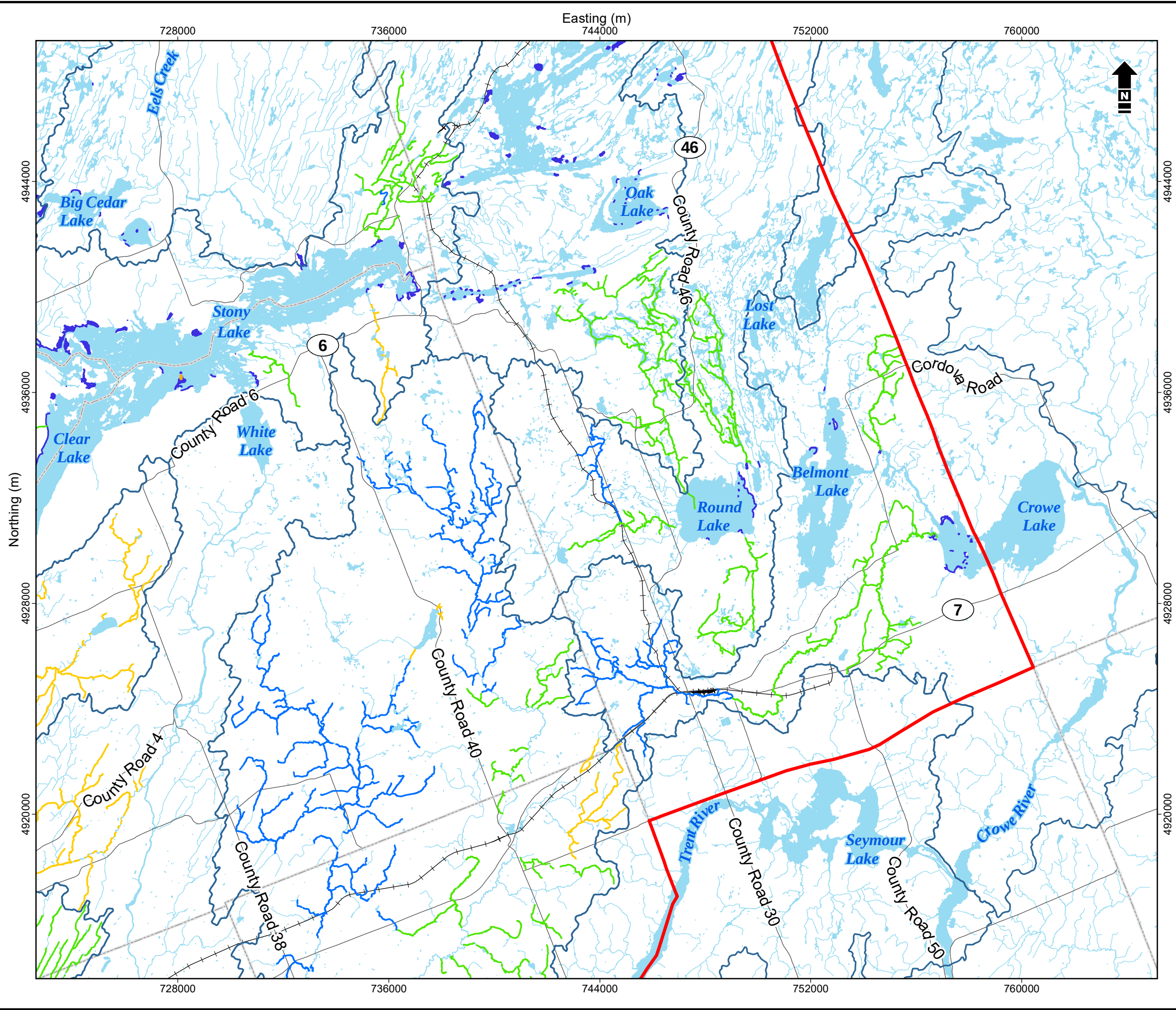
Study Area Fish Habitat and Fish Activity Areas

Date:	Project:	Submitter:	Reviewer:
Sep 2025	40848	K. Goguen	M. Pushkar

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Figure
28d

I:\CountyOfPeterborough\40848\FiguresAndTables\WAP\2024\Report\Phase2\Ecology\Figure-X-Study_Area_Fish_Habitat_and_Fish_Activity_Areas.mxd - Tabloid L - 24-Sep-25, 11:03 PM - Imrwright - TID005



Peterborough County Boundary
(Study Area)

City of Peterborough

First Nation Reserve

Lower and Single Tier Municipal
Boundary

Quaternary Watershed Boundary
(OMNRF)

Fish Activity Area (Known Fish
Spawning Areas)

Water Body (OHN)

Watercourse (OHN)

Highway

Railway

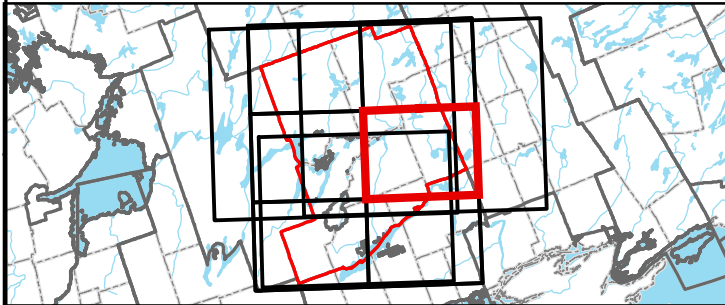
Aquatic Resource Thermal Regime

Cold

Warm

Cool

Unknown



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Kilometres
NAD 1983 CSRS UTM Zone 17N

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Peterborough County
Peterborough County Watershed Plan Phase 2

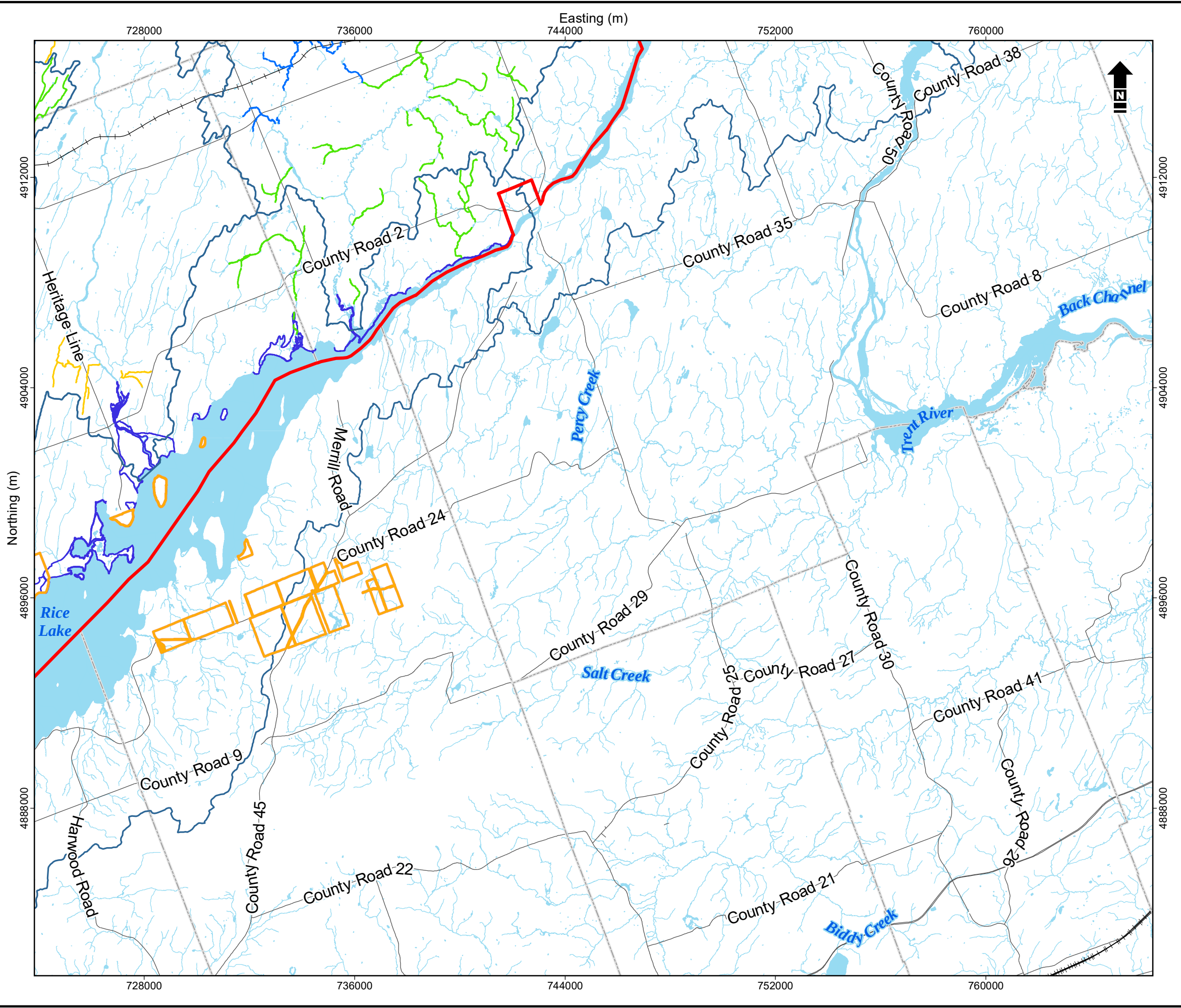
**Study Area
Fish Habitat and Fish Activity Areas**

Date: Sep 2025	Project: 40848	Submitter: K. Goguen	Reviewer: M. Pushkar
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**Figure
28e**

I:\CountyOfPeterborough\40848\FiguresAndTables\WAP\2024\Report\Phase2\Ecology\Figure-X-Study_Area_Fish_Habitat_and_Fish_Activity_Areas.mxd - Tabloid L - 24-Sep-25, 11:03 PM - Imwright - TID005



Peterborough County Boundary
(Study Area)

City of Peterborough

First Nation Reserve

Lower and Single Tier Municipal
Boundary

Quaternary Watershed Boundary
(OMNRF)

Fish Activity Area (Known Fish
Spawning Areas)

Water Body (OHN)

Watercourse (OHN)

Highway

Railway

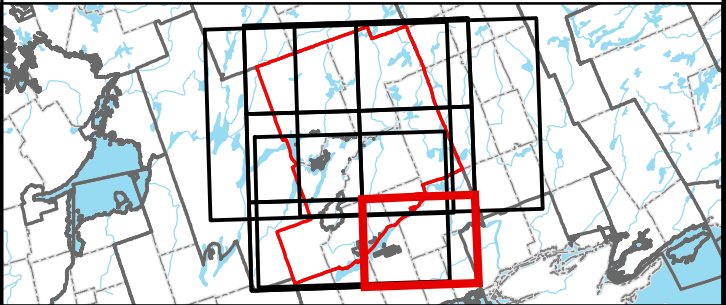
Aquatic Resource Thermal Regime

Cold

Warm

Cool

Unknown



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Kilometres
NAD 1983 CSRS UTM Zone 17N

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Peterborough County
Peterborough County Watershed Plan Phase 2

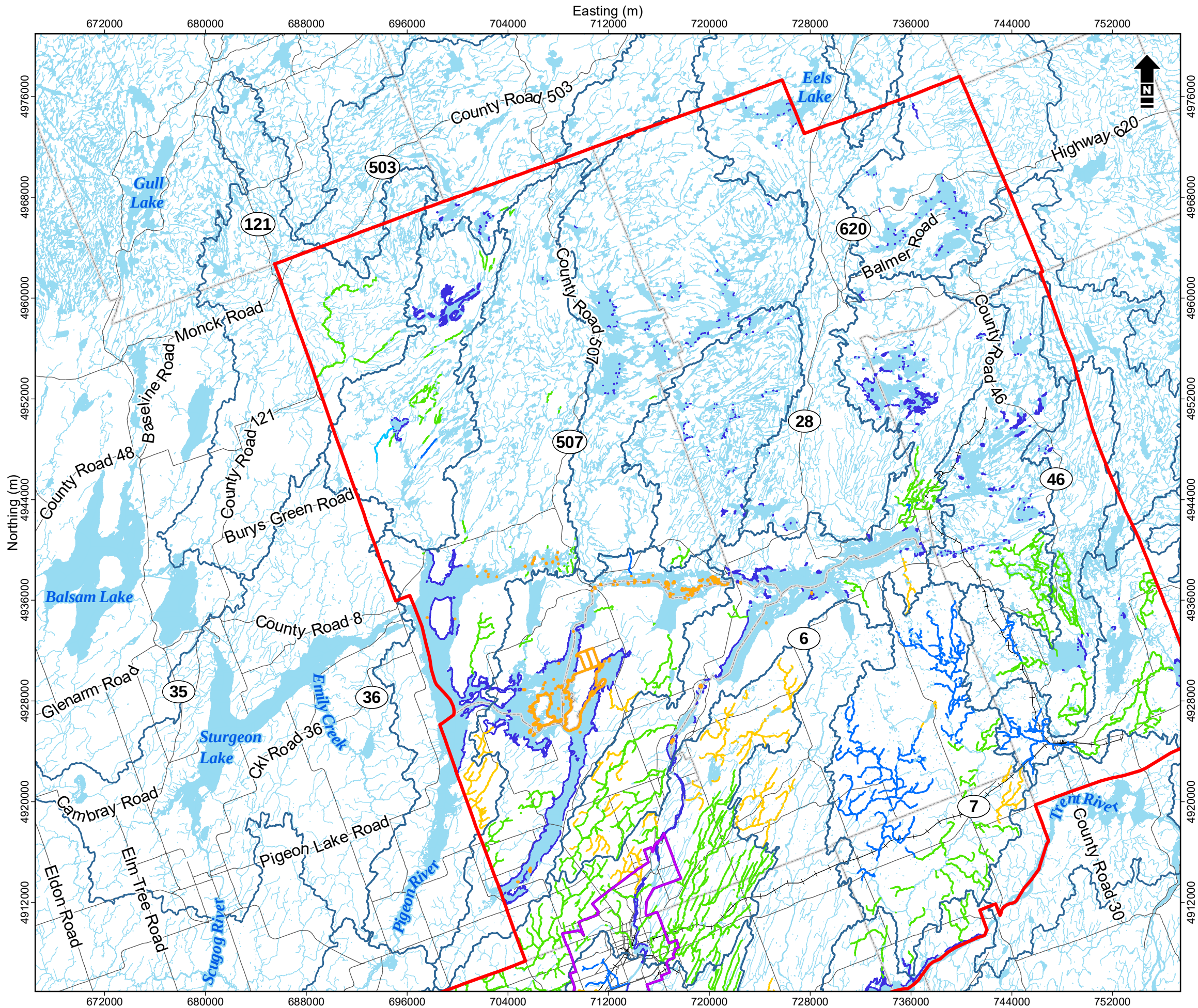
**Study Area
Fish Habitat and Fish Activity Areas**

Date: Sep 2025	Project: 40848	Submitter: K. Goguen	Reviewer: M. Pushkar
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**Figure
28f**

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Peterborough County Boundary
(Study Area)

City of Peterborough

First Nation Reserve

Lower and Single Tier Municipal
Boundary

Quaternary Watershed Boundary
(OMNRF)

Fish Activity Area (Known Fish
Spawning Areas)

Water Body (OHN)

Watercourse (OHN)

Highway

Railway

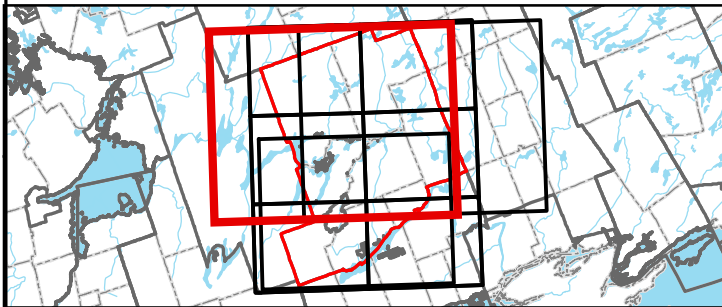
Aquatic Resource Thermal Regime

Cold

Warm

Cool

Unknown



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NAD 1983 CSRS UTM Zone 17N

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Peterborough County
Peterborough County Watershed Plan Phase 2

**Study Area
Fish Habitat and Fish Activity Areas**

Date: Sep 2025	Project: 40848	Submitter: K. Goguen	Reviewer: M. Pushkar
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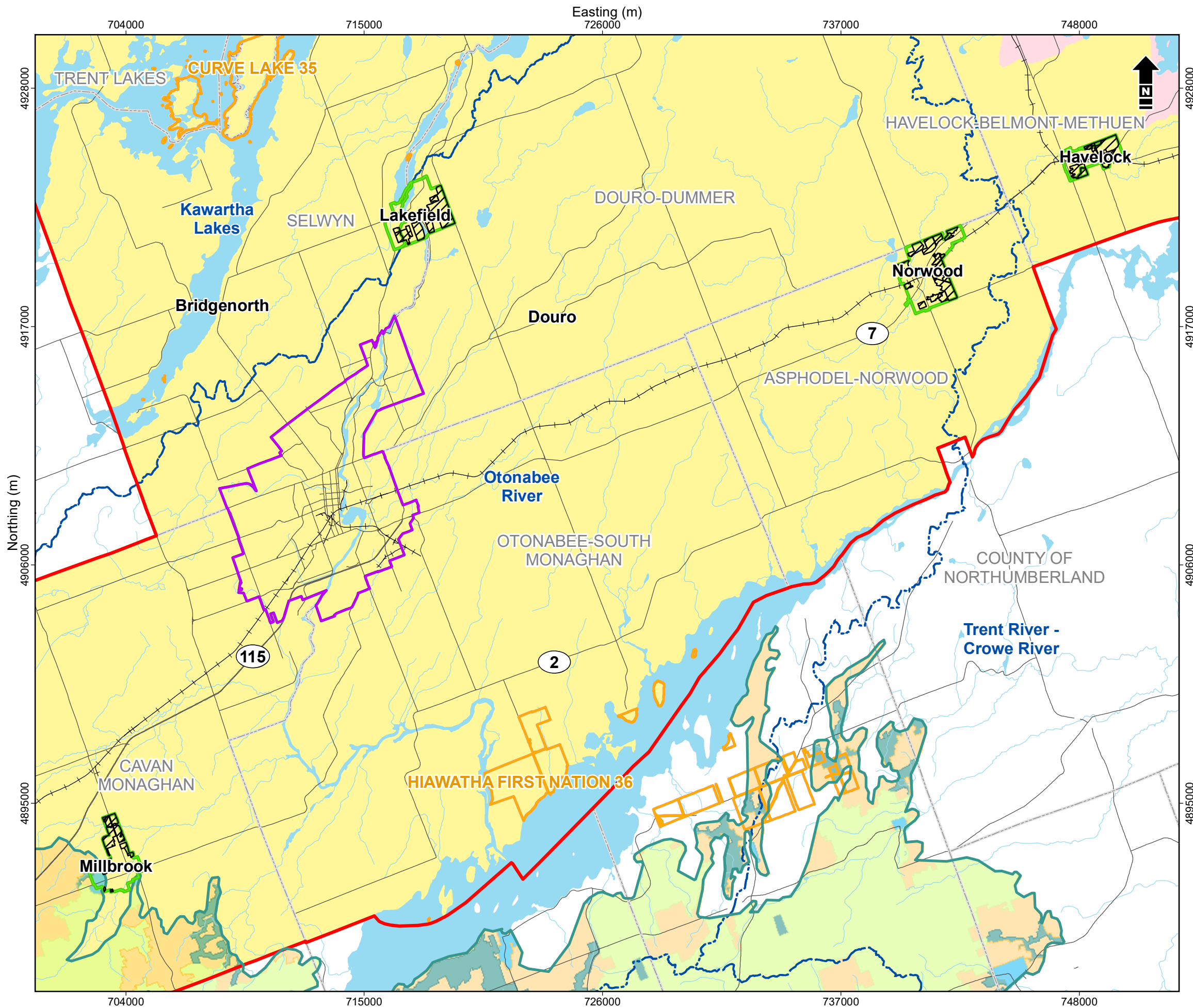
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**Figure
28g**

Volume 2

Planning and Management Guidance Maps

I:\CountyOfPeterborough\40848\FiguresAndTables\2026\Report\Phase3Vol2\Figure-29-Watershed_Plan_Study_Area_Growth_Areas.mxd - Tabloid_L - 17-Mar-26, 03:17 PM - lmrwright - TID005



Peterborough County
Watershed Plan Phase 3 Volume 2

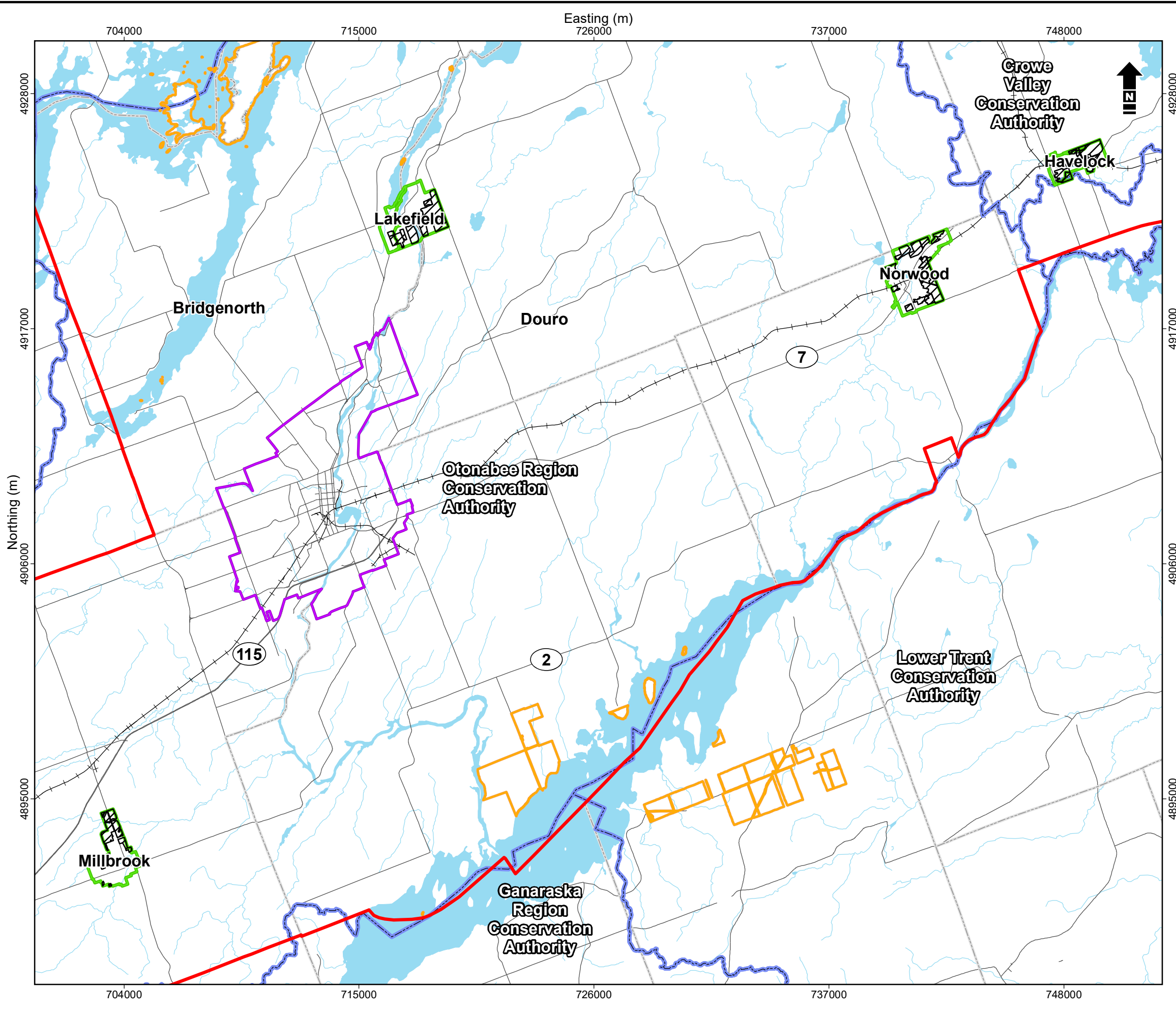
Watershed Plan Study Area Growth Areas

Date:	Project:	Submitter:	Reviewer:
March 2026	40848	K. Goguen	M. Pushkar

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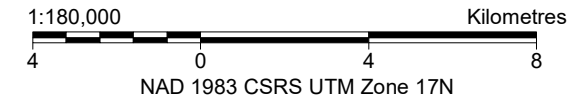
**Figure
29**

I:\CountyOfPeterborough\40848\FiguresAndTables\2026\Report\Phase3\Vol2\Figure-30-Conservation_Authorities_Growth_Areas.mxd - Tabloid_L - 17-Mar-26, 03:18 PM - Imwright - TID005



- Peterborough County Boundary (Study Area)
- City of Peterborough
- First Nation Reserve
- Lower and Single Tier Municipal Boundary
- Conservation Authority Boundary (LIO)
- Served Settlement Area Boundary
- Growth Area (Hemson 2022)
- Water Body (GeoGratis)
- Watercourse (GeoGratis)
- Highway
- Railway

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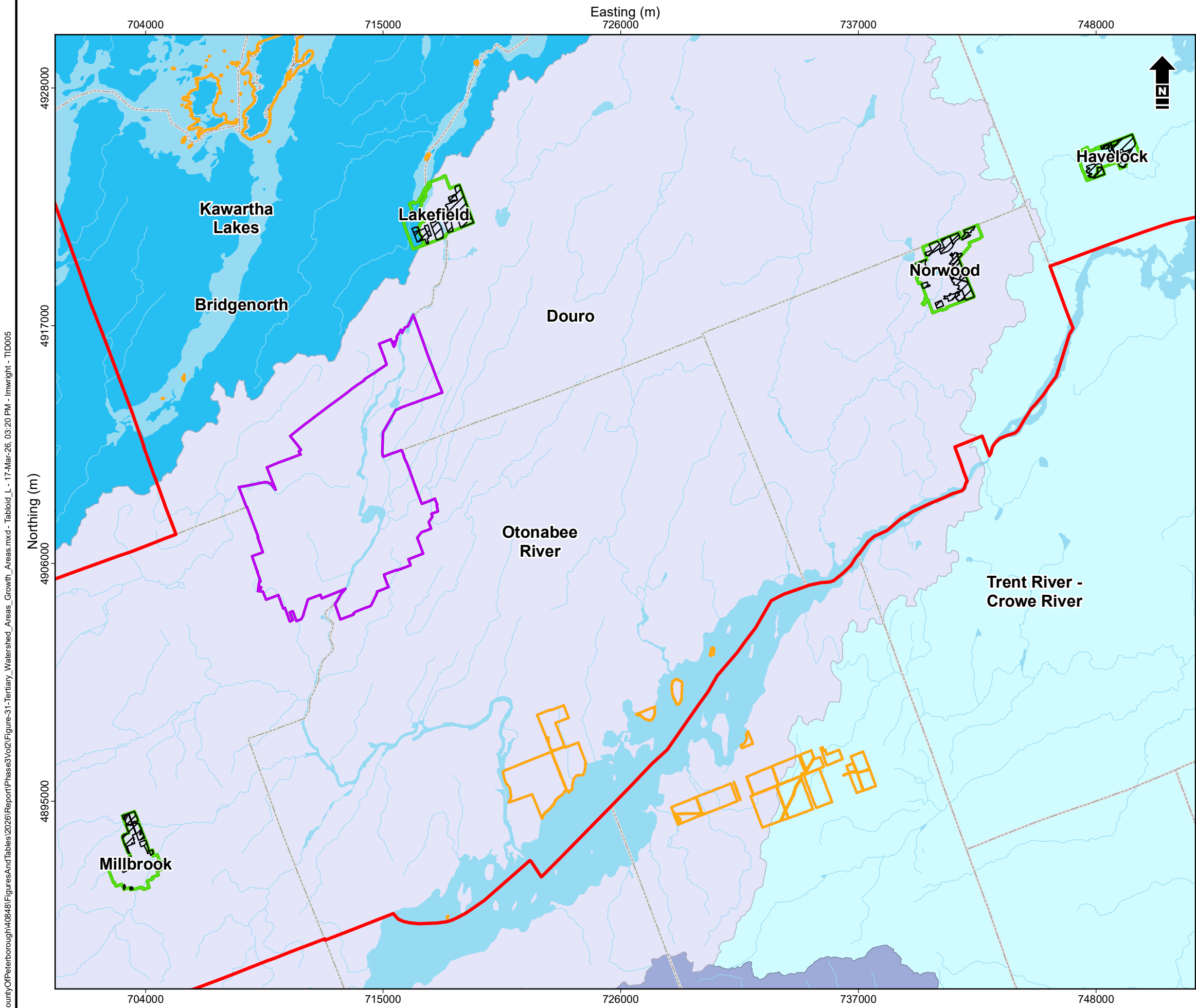


Peterborough County
Watershed Plan Phase 3 Volume 2

Conservation Authorities Growth Areas

Date:	Project:	Submitter:	Reviewer:
March 2026	40848	K. Goguen	M. Pushkar

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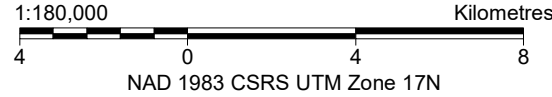


- Peterborough County Boundary (Study Area)
- City of Peterborough
- First Nation Reserve
- Lower and Single Tier Municipal Boundary
- Served Settlement Area Boundary
- Growth Area (Hemson 2022)
- Water Body (GeoGratis)
- Watercourse (GeoGratis)

Tertiary Watershed Boundary (OMNRF)

- Kawartha Lakes
- North Lake Ontario Shoreline
- Otonabee River
- Trent River - Crowe River

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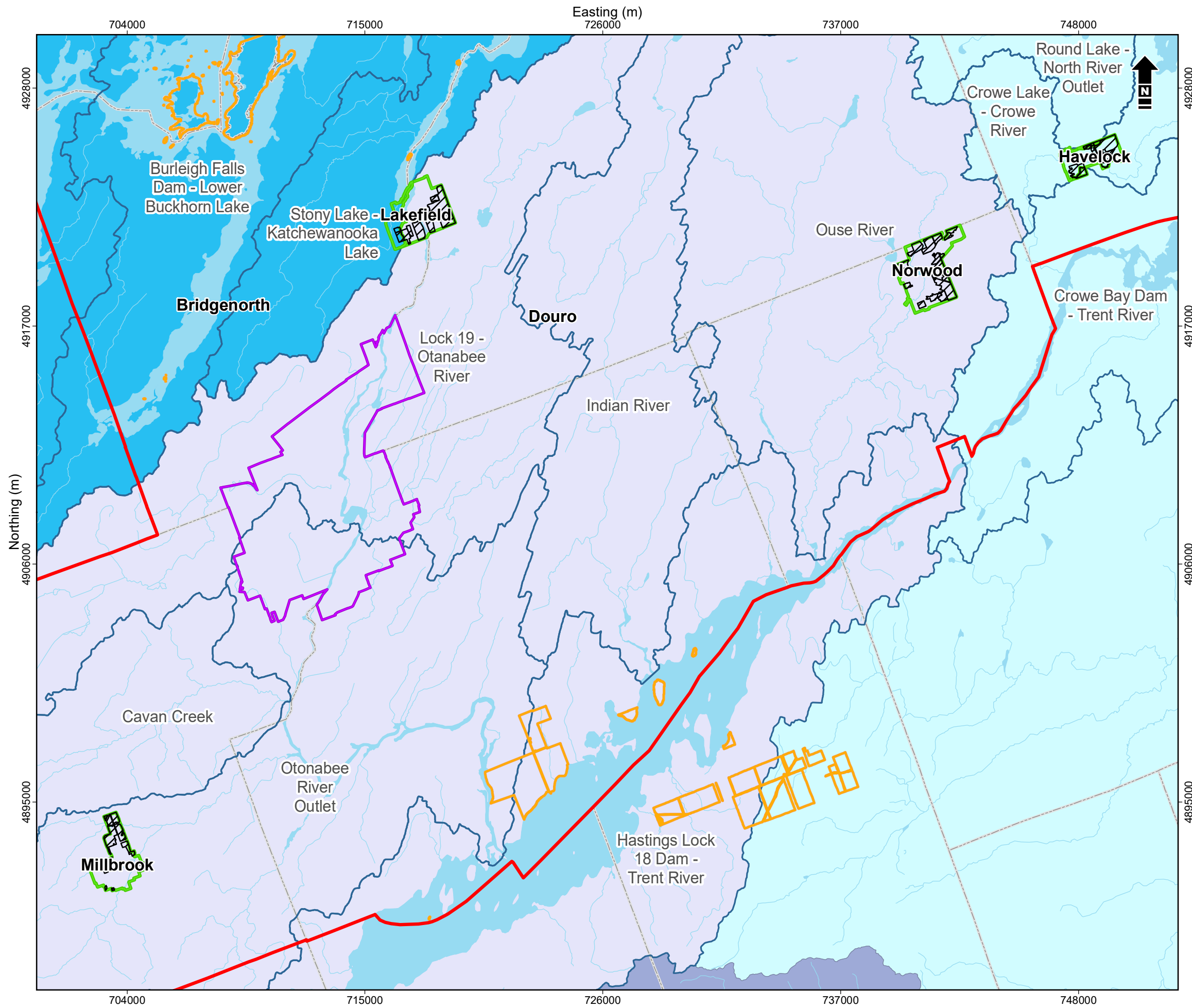
Peterborough County
Watershed Plan Phase 3 Volume 2

**Tertiary Watershed Areas
Growth Areas**

Date:	Project:	Submitter:	Reviewer:
March 2026	40848	K. Goguen	M. Pushkar

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I:\CountyOfPeterborough\40848\FiguresAndTables\2026\Report\Phase3\Vol2\Figure-32-Quaternary_Watershed_Areas_Growth_Areas.mxd - Tabloid_L - 17-Mar-26, 03:21 PM - lmwright - TID005



- Peterborough County Boundary (Study Area)
 - City of Peterborough
 - First Nation Reserve
 - Lower and Single Tier Municipal Boundary
 - Quaternary Watershed Boundary (OMNRF)
 - Served Settlement Area Boundary
 - Growth Area (Hemson 2022)
 - Water Body (GeoGratis)
 - Watercourse (GeoGratis)
- Tertiary Watershed Boundary (OMNRF)**
- Kawartha Lakes
 - North Lake Ontario Shoreline
 - Otonabee River
 - Trent River - Crowe River

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Kilometres
NAD 1983 CSRS UTM Zone 17N



Peterborough County
Watershed Plan Phase 3 Volume 2

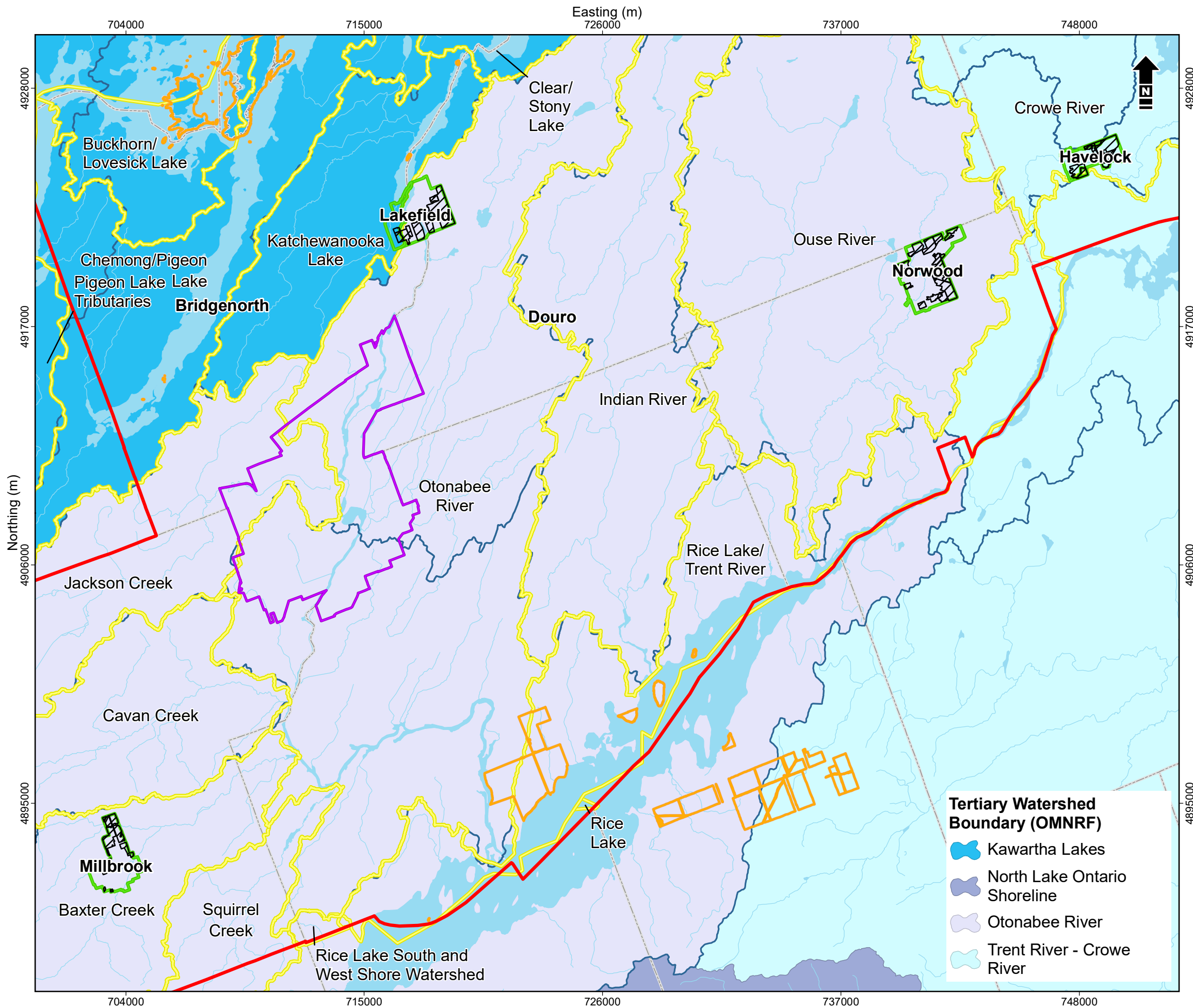
Quaternary Watershed Areas Growth Areas

Date:	Project:	Submitter:	Reviewer:
March 2026	40848	K. Goguen	M. Pushkar

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**Figure
32**

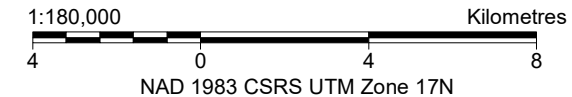
I:\CountyOfPeterborough\40848\FiguresAndTables\2026\Report\Phase3\Vol2\Figure-33-Conservation_Authority_Subwatersheds_Growth_Areas.mxd - Tabloid_L - 17-Mar-26, 03:21 PM - Inwright - TID005



- Peterborough County Boundary (Study Area)
- City of Peterborough
- First Nation Reserve
- Lower and Single Tier Municipal Boundary
- Subwatershed Boundary (Respective Conservation Authorities)*
- Quaternary Watershed Boundary (OMNRF)
- Serviced Settlement Area Boundary
- Growth Area (Hemson 2022)
- Water Body (GeoGratis)
- Watercourse (GeoGratis)

*The boundaries of the subwatersheds created by Conservation Authorities differ from the OMNRF watershed boundaries because they were created using digital elevation models of different resolutions. The Northern portion of the study area is not regulated by a Conservation Authority and local subwatersheds are not available.

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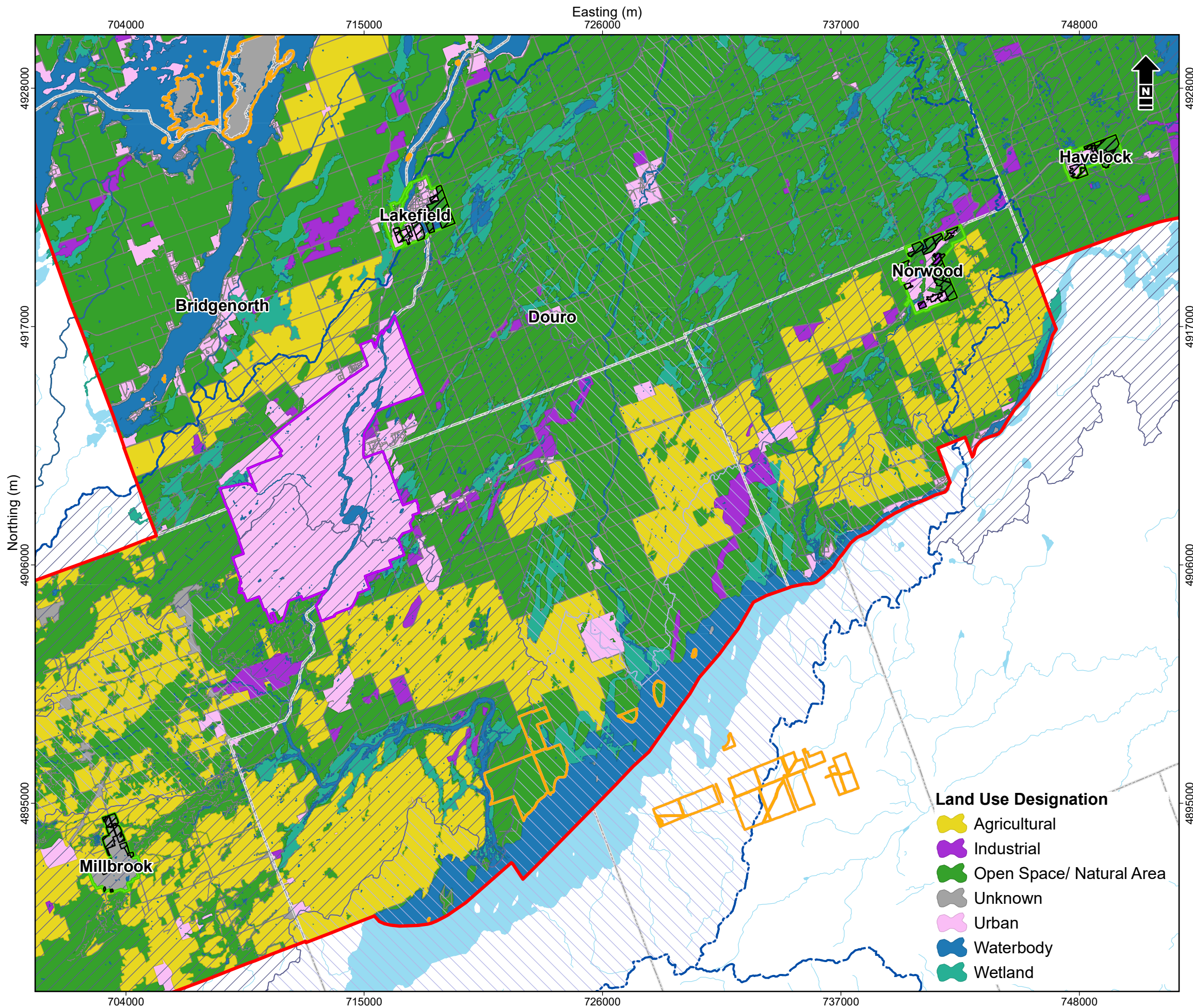
Peterborough County
Watershed Plan Phase 3 Volume 2

Conservation Authority Subwatersheds Growth Areas

Date:	Project:	Submitter:	Reviewer:
March 2026	40848	K. Goguen	M. Pushkar

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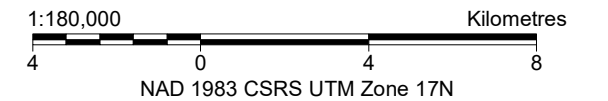
I:\CountyOfPeterborough\40848\FiguresAndTables\2026\Report\Phase3\Vol2\Figure-34-Land_Use_Growth_Areas.mxd - Tabloid L - 17-Mar-26, 03:23 PM - lmwright - TID005



- Peterborough County Boundary (Study Area)
- City of Peterborough
- First Nation Reserve
- Lower and Single Tier Municipal Boundary
- Tertiary Watershed Boundary (OMNRF)
- Serviced Settlement Area Boundary
- Growth Area (Hemson 2022)
- Water Body (GeoGratis)
- Watercourse (GeoGratis)
- Quaternary Watershed Impacted by Future Urban Growth**
 - No Anticipated Impact
 - Directly Impacted
 - Indirectly Impacted

Note: Montrose regrouped the classification of Peterborough County's Official Plan designations. These designation indicate the types of development and uses permitted in specific areas. No specification of the Official Plan data is shown in the GIS data received.

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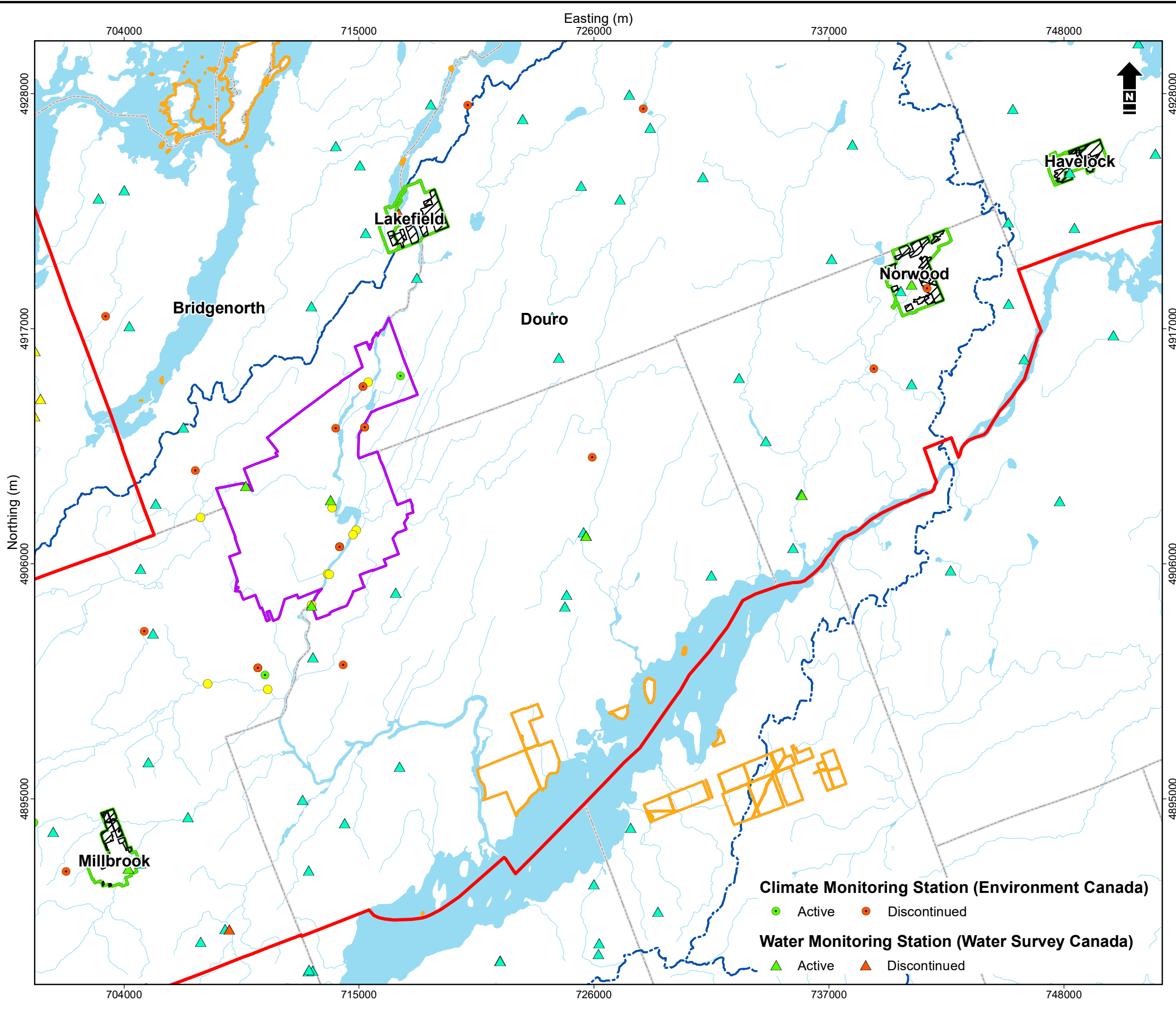
Peterborough County
Watershed Plan Phase 3 Volume 2

**Land Use
Growth Areas**

Date:	Project:	Submitter:	Reviewer:
Mar 2026	40848	K. Castro	M. Pushkar

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- Peterborough County Boundary (Study Area)
- City of Peterborough
- First Nation Reserve
- Lower and Single Tier Municipal Boundary
- Tertiary Watershed Boundary (OMNRF)
- Serviced Settlement Area Boundary
- Growth Area (Hemson 2022)
- Water Body (GeoGratis)
- Watercourse (GeoGratis)

Water Monitoring Station (Kawartha Region Conservation Authority)

- No Operational Status Information Available (Only Geospatial Data)

Surface Water Quality Monitoring Station

- City of Peterborough
- KRCA

Ground Water Quality Monitoring Station

- CVCA
- ORMGP

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Kilometres
NAD 1983 CSRS UTM Zone 17N



Peterborough County
Watershed Plan Phase 3 Volume 2

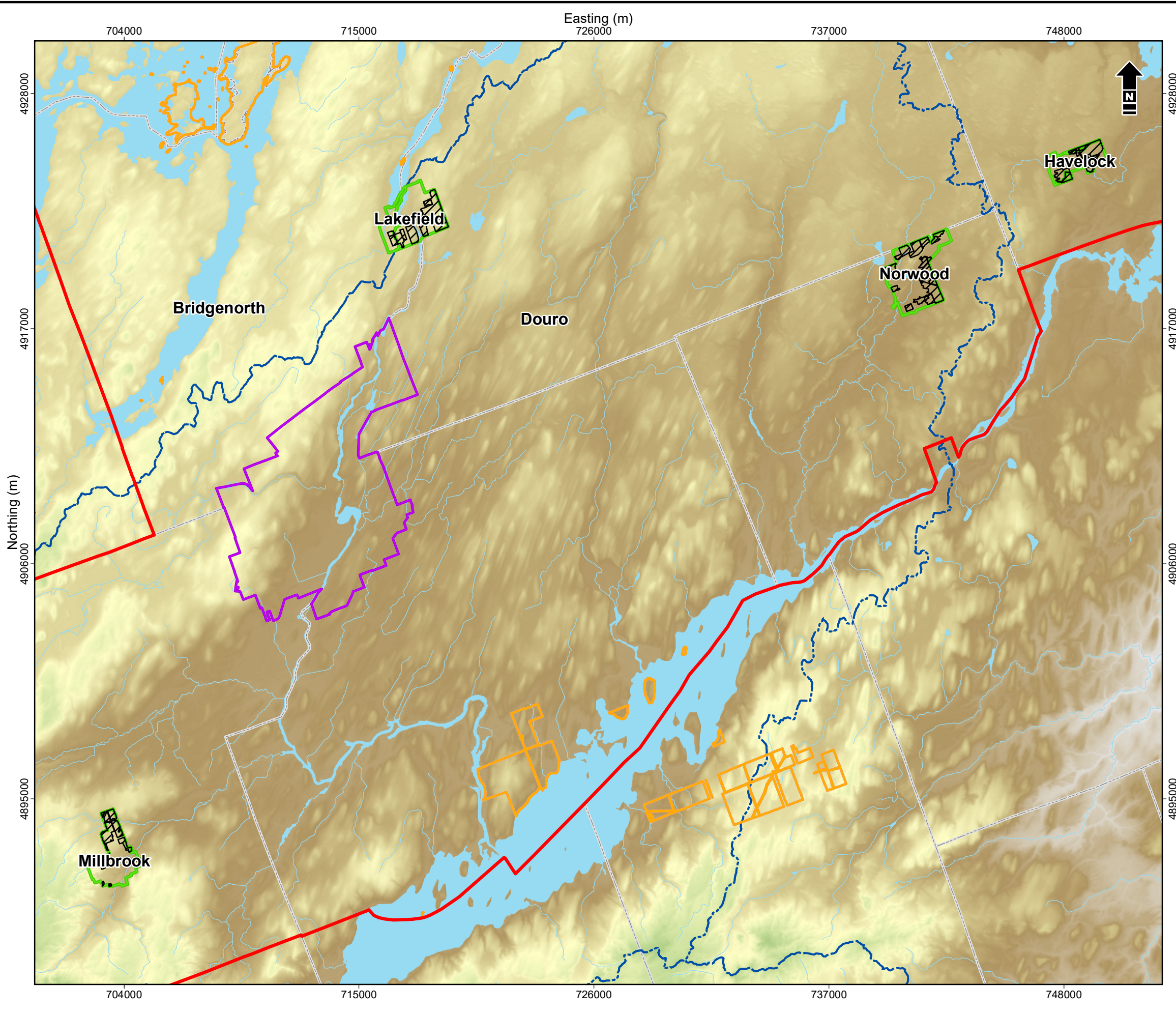
**Monitoring Station Locations
Growth Areas**

Date:	Project:	Submitter:	Reviewer:
Mar 2026	40848	K. Castro	M. Pushkar

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**Figure
35**

I:\CountyOfPeterborough\40848\FiguresAndTables\2026\Report\Phase3\Vol2\Figure-36-Topography_Growth_Areas.mxd - Tabloid_L - 17-Mar-26, 03:26 PM - Inwright - TID005



- Peterborough County Boundary (Study Area)
 - City of Peterborough
 - First Nation Reserve
 - Lower and Single Tier Municipal Boundary
 - Tertiary Watershed Boundary (OMNRF)
 - Serviced Settlement Area Boundary
 - Growth Area (Hemson 2022)
 - Water Body (GeoGratis)
 - Watercourse (GeoGratis)
- Elevation (masl)**
High : 355

Low : 120

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Peterborough County
Watershed Plan Phase 3 Volume 2

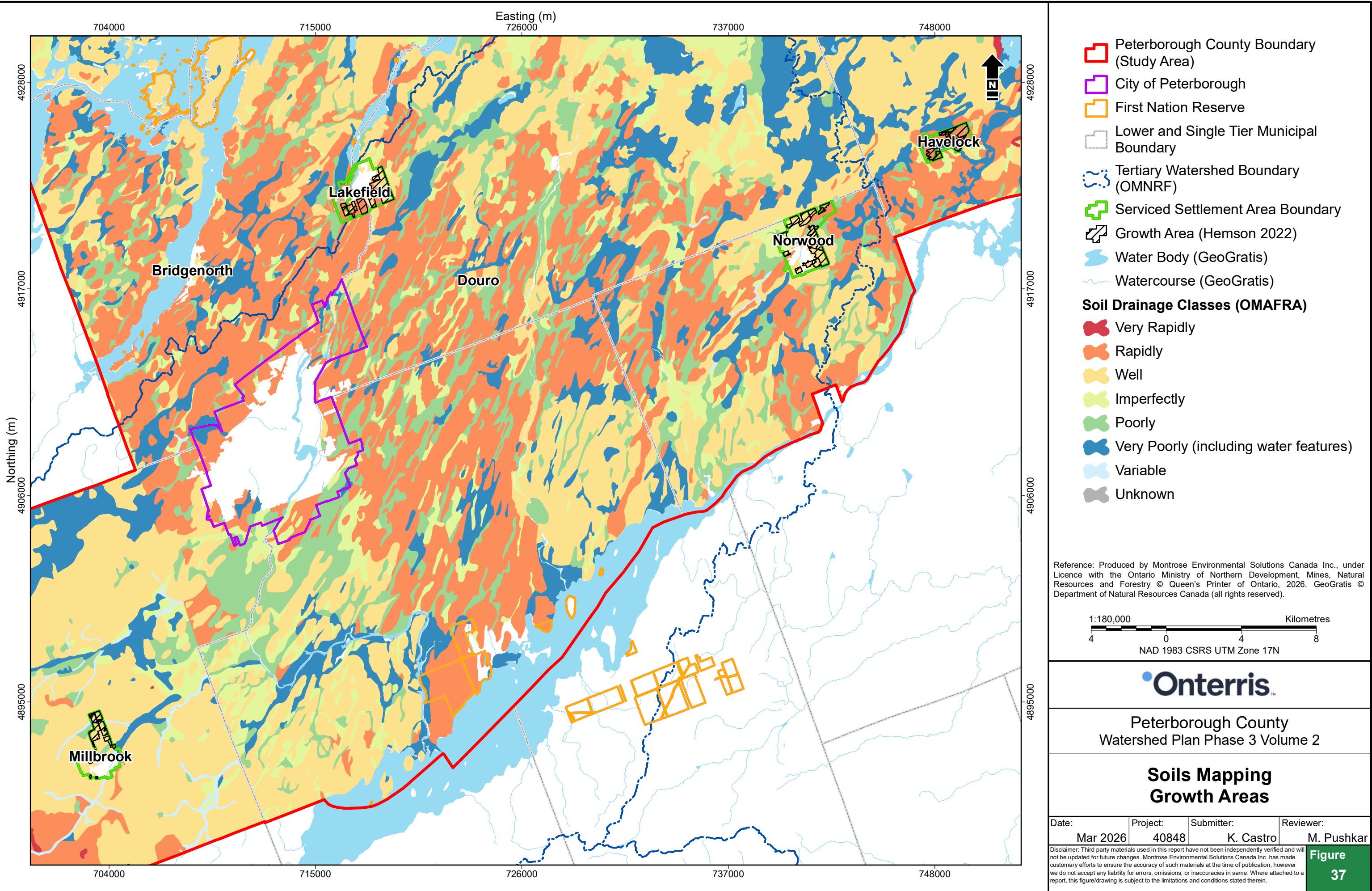
Topography Growth Areas

Date:	Project:	Submitter:	Reviewer:
Mar 2026	40848	K. Castro	M. Pushkar

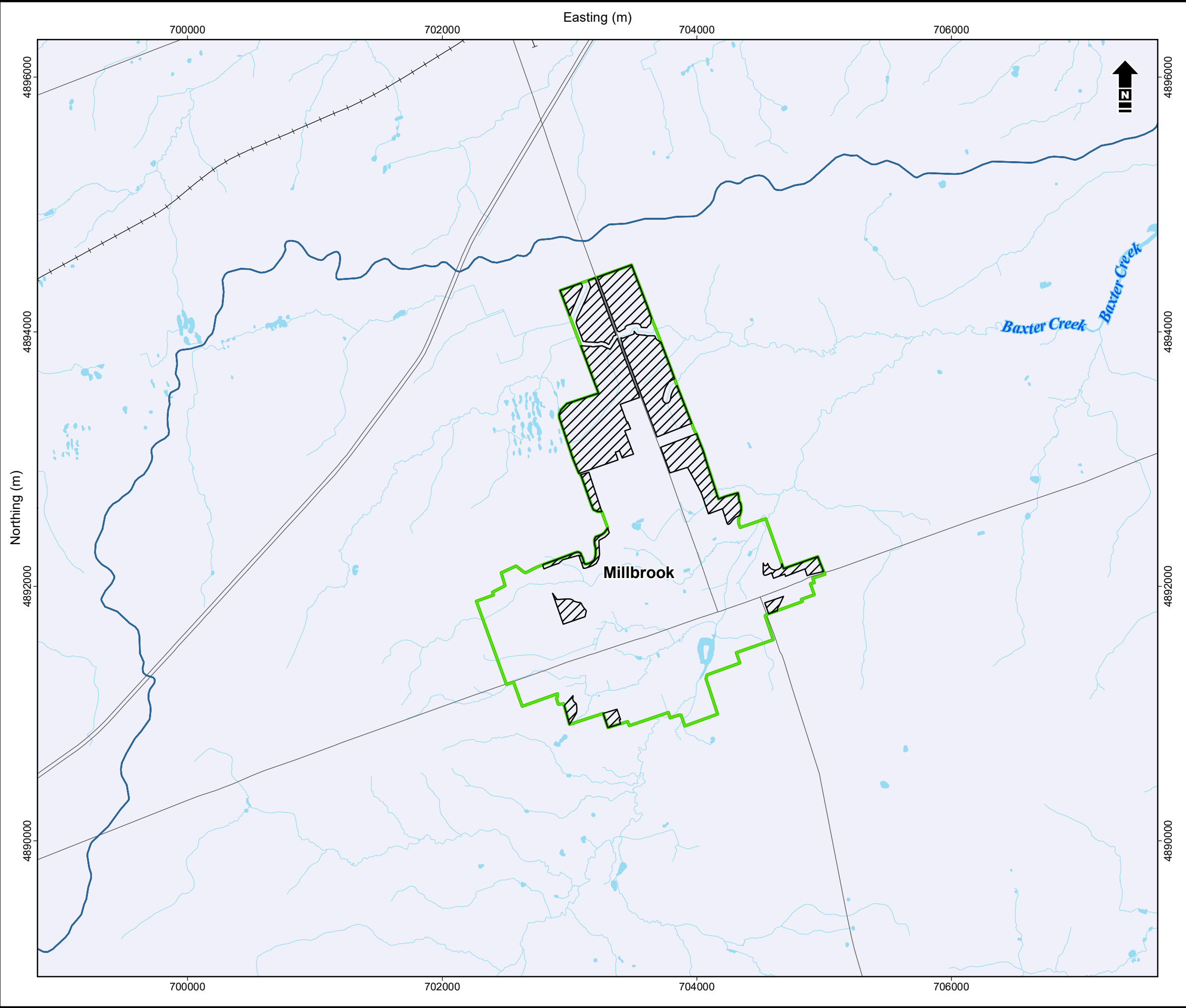
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Figure
36

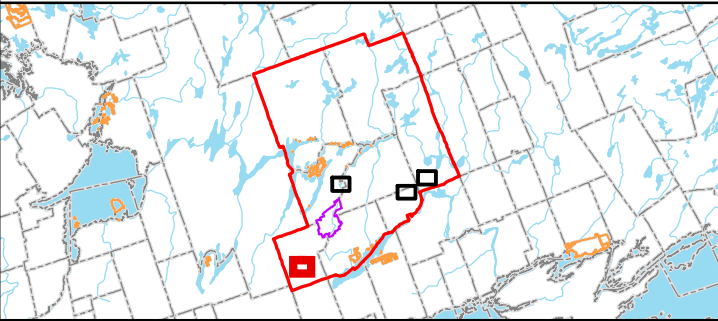
I:\CountyOfPeterborough\40848\FiguresAndTables\2026\Report\Phase3\Vol2\Figure-37-Soils_Mapping_Growth_Areas.mxd - Tabloid_L - 17-Mar-26, 03:27 PM - Imwright - TID005



I:\CountyOfPeterborough\40848\FiguresAndTables\2026\Report\Phase3\Vol2\Figure-38-Watercourses_and_Waterbodies_Growth_Areas.mxd - Tabloid_L - 17-Mar-26, 03:28 PM - Imwright - TID005



- Peterborough County Boundary (Study Area)
- Lower and Single Tier Municipal Boundary
- Quaternary Watershed Boundary (OMNRF)
- Serviced Settlement Area Boundary
- Growth Area (Hemson 2022)
- Water Body (OHN)
- Watercourse (OHN)
- Highway
- Railway
- Tertiary Watershed Boundary (OMNRF)**
- Otonabee River



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NAD 1983 UTM Zone 17N

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Peterborough County
Watershed Plan Phase 3 Volume 2

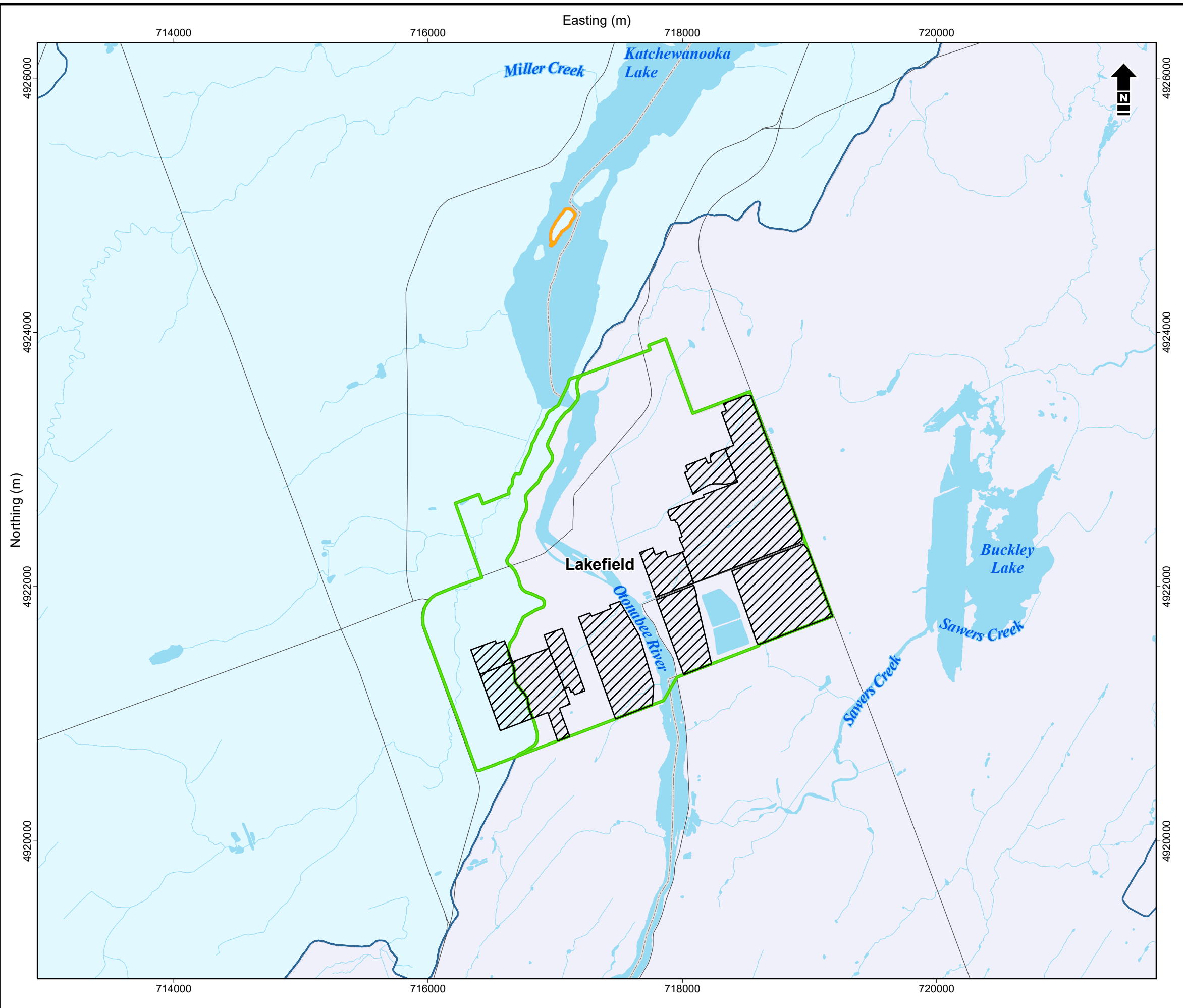
Watercourses and Waterbodies Growth Areas

Date:	Project:	Submitter:	Reviewer:
March 2026	40848	K. Goguen	M. Pushkar

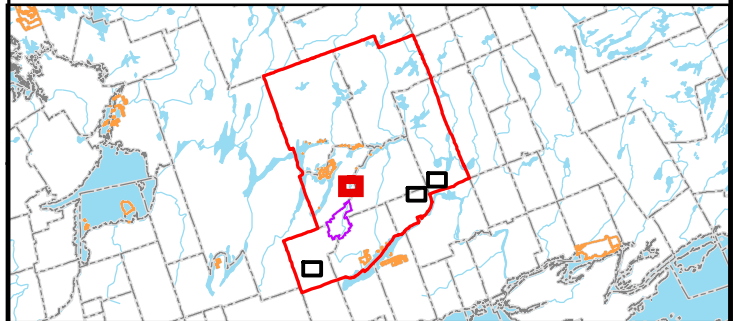
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**Figure
38-1**

I:\CountyOfPeterborough\40848\FiguresAndTables\2026\Report\Phase3\Vol2\Figure-38-Watercourses_and_Waterbodies_Growth_Areas.mxd - Tabloid_L - 17-Mar-26, 03:28 PM - Imwright - TID005



- Peterborough County Boundary (Study Area)
- First Nation Reserve
- Lower and Single Tier Municipal Boundary
- Quaternary Watershed Boundary (OMNRF)
- Served Settlement Area Boundary
- Growth Area (Hemson 2022)
- Water Body (OHN)
- Watercourse (OHN)
- Highway
- Tertiary Watershed Boundary (OMNRF)**
 - Kawartha Lakes
 - Otonabee River



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NAD 1983 UTM Zone 17N



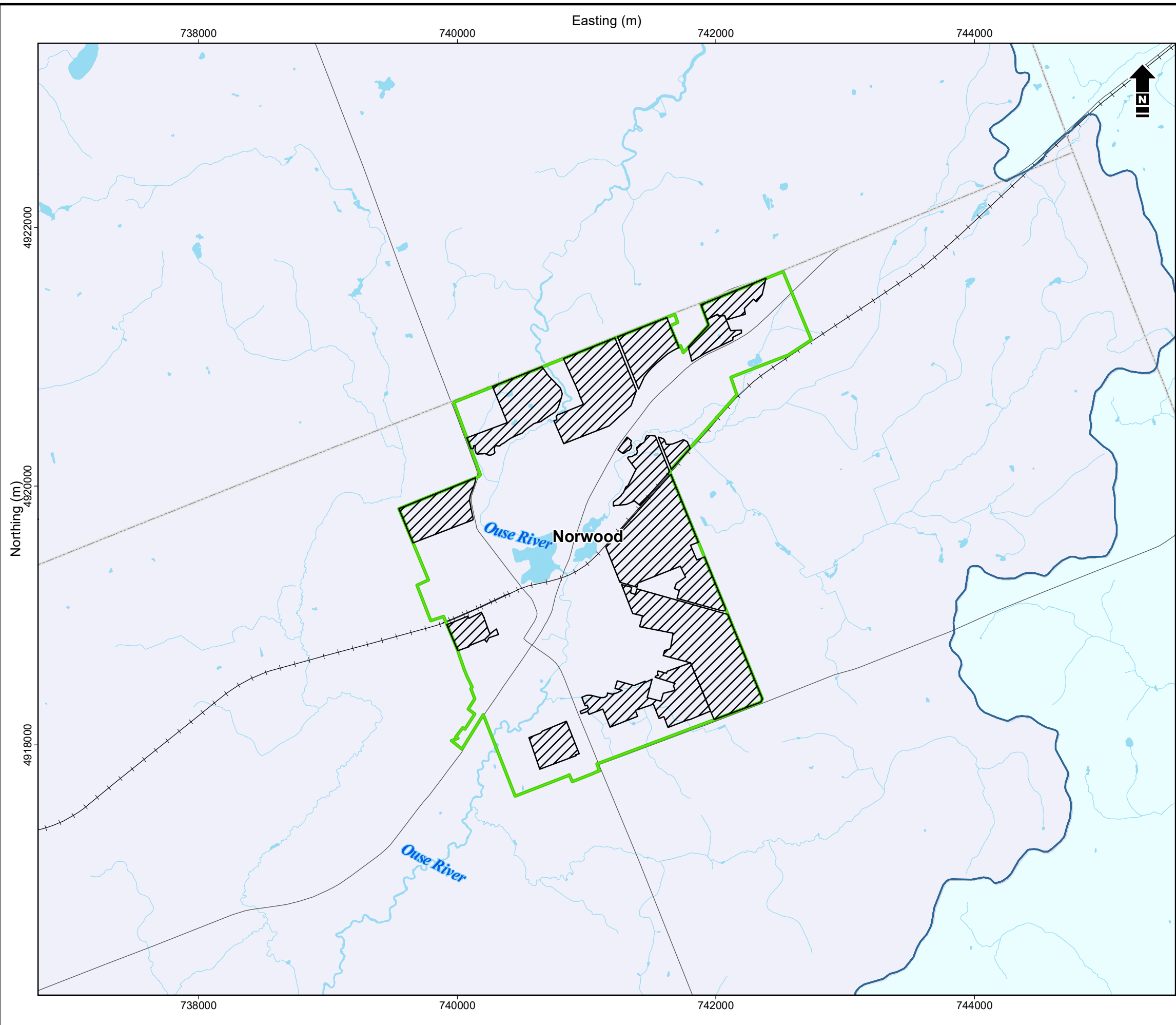
Peterborough County
Watershed Plan Phase 3 Volume 2

**Watercourses and Waterbodies
Growth Areas**

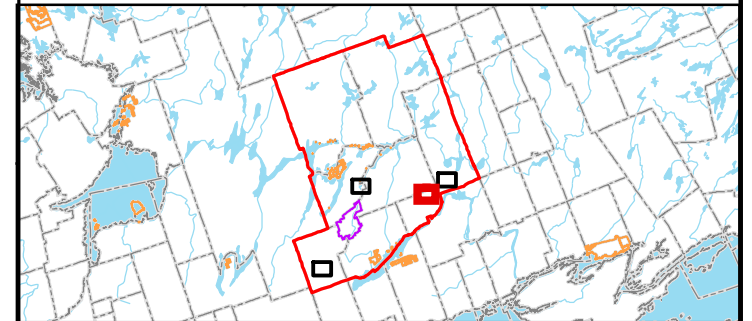
Date:	Project:	Submitter:	Reviewer:
March 2026	40848	K. Goguen	M. Pushkar

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- Peterborough County Boundary (Study Area)
- Lower and Single Tier Municipal Boundary
- Quaternary Watershed Boundary (OMNRF)
- Serviced Settlement Area Boundary
- Growth Area (Hemson 2022)
- Water Body (OHN)
- Watercourse (OHN)
- Highway
- Railway
- Tertiary Watershed Boundary (OMNRF)**
 - Otonabee River
 - Trent River - Crowe River



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NAD 1983 UTM Zone 17N



Peterborough County
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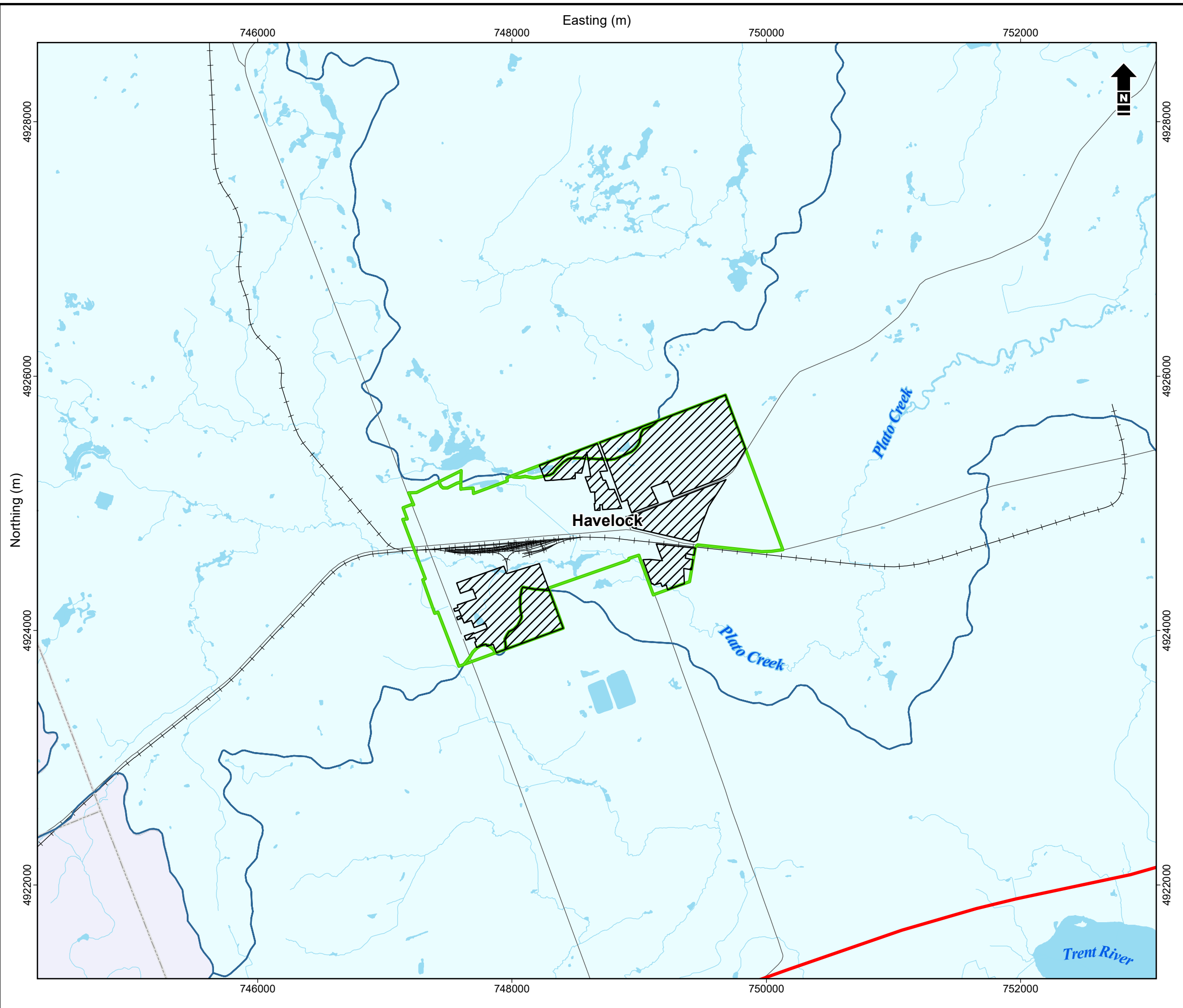
Watercourses and Waterbodies Growth Areas

Date:	Project:	Submitter:	Reviewer:
March 2026	40848	K. Goguen	M. Pushkar

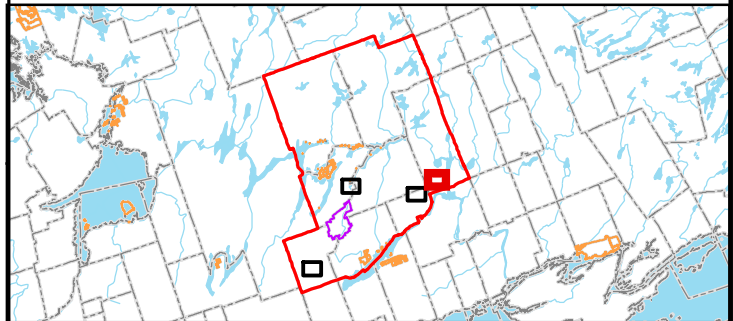
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**Figure
38-3**

I:\CountyOfPeterborough\40848\FiguresAndTables\2026\Report\Phase3\Vol2\Figure-38-Watercourses_and_Waterbodies_Growth_Areas.mxd - Tabloid_L - 17-Mar-26, 03:29 PM - Imwright - TID005



- Peterborough County Boundary (Study Area)
- Lower and Single Tier Municipal Boundary
- Quaternary Watershed Boundary (OMNRF)
- Serviced Settlement Area Boundary
- Growth Area (Hemson 2022)
- Water Body (OHN)
- Watercourse (OHN)
- Highway
- Railway
- Tertiary Watershed Boundary (OMNRF)**
 - Otonabee River
 - Trent River - Crowe River



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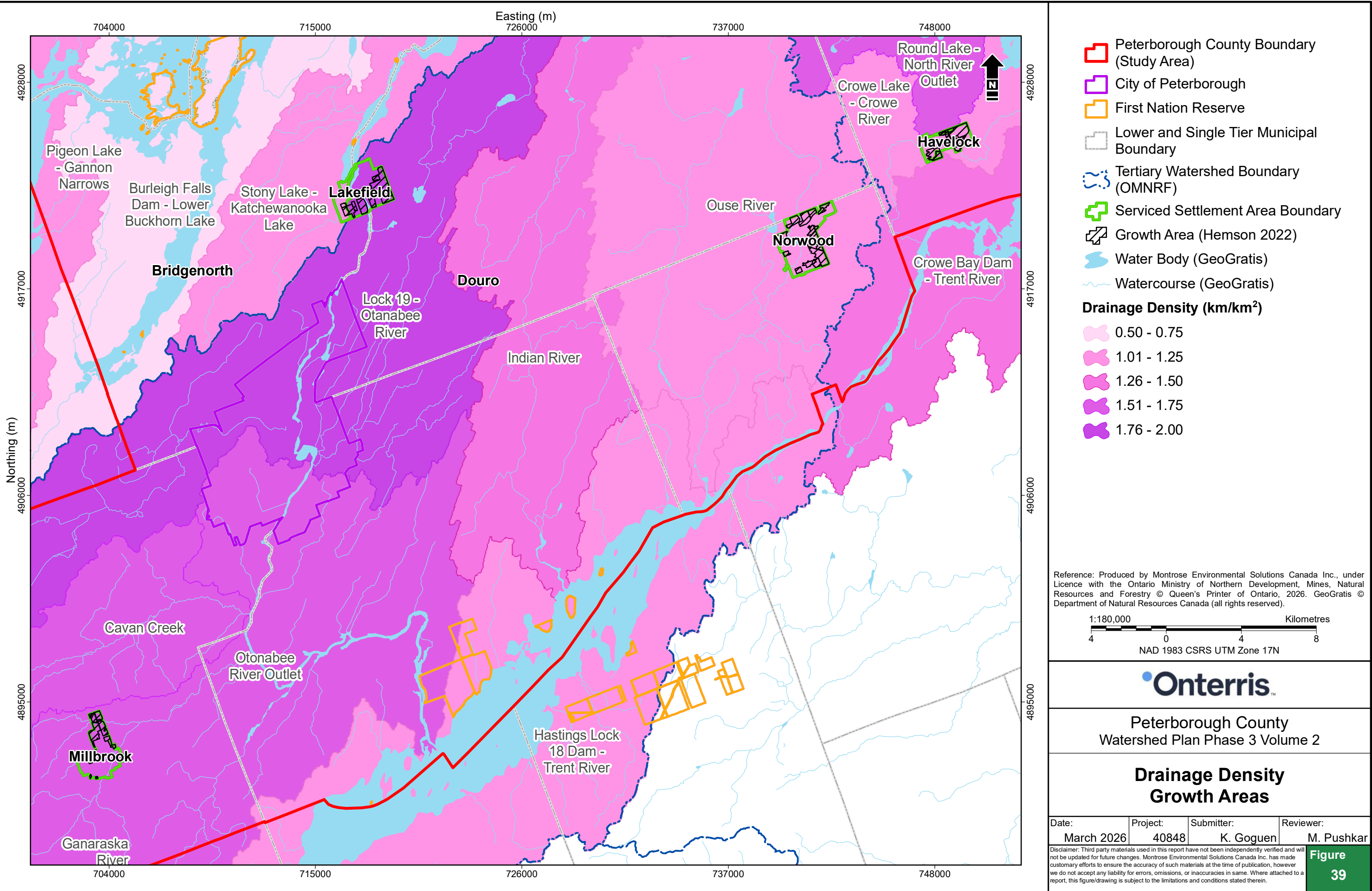
Peterborough County
Watershed Plan Phase 3 Volume 2

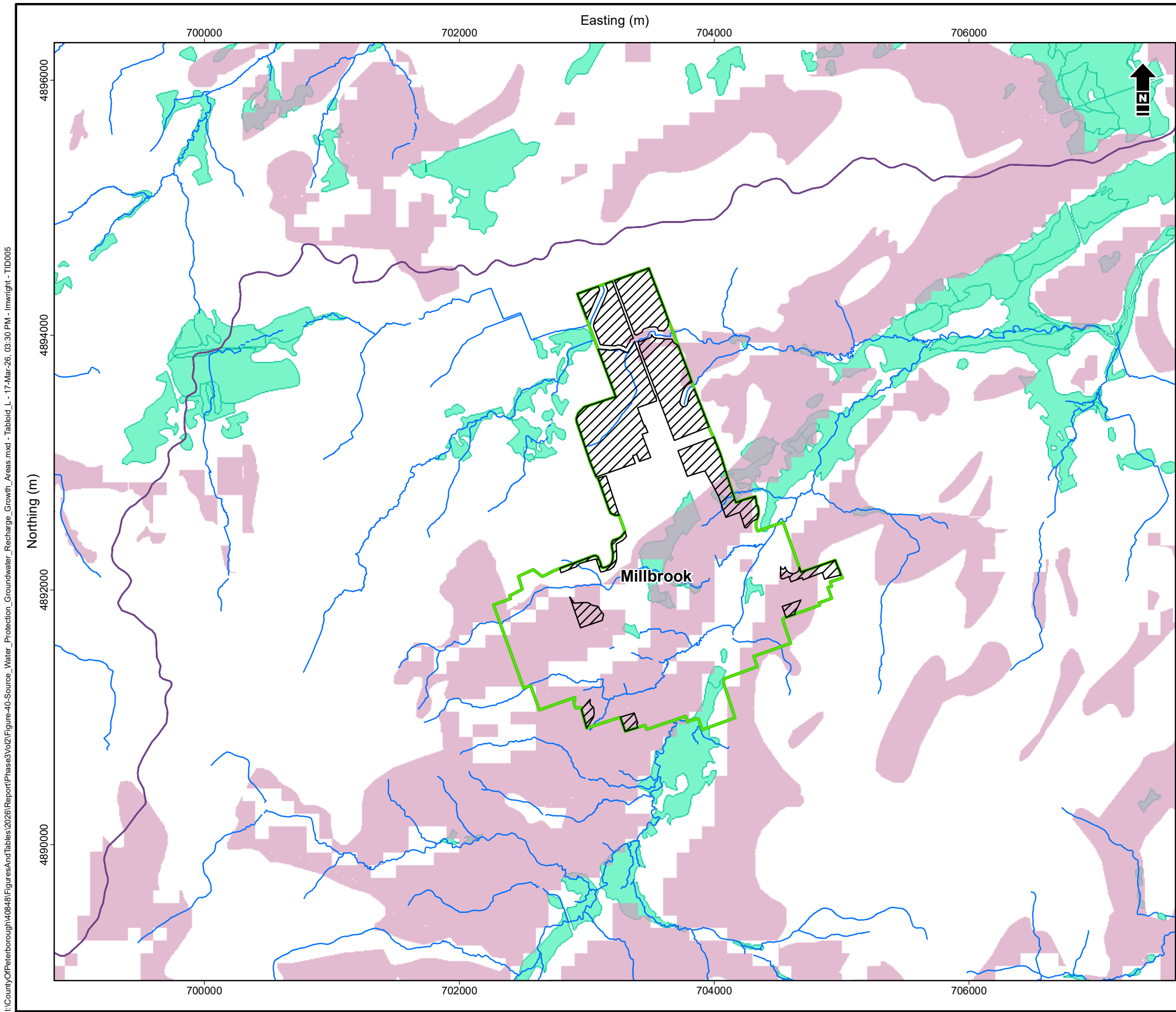
**Watercourses and Waterbodies
Growth Areas**

Date:	Project:	Submitter:	Reviewer:
March 2026	40848	K. Goguen	M. Pushkar

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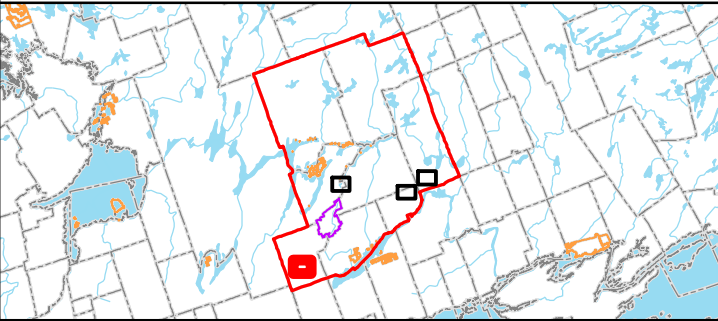
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- Peterborough County Boundary (Study Area)
- City of Peterborough
- First Nation Reserve
- Lower and Single Tier Municipal Boundary
- Tertiary Watershed Boundary (OMNRF)
- Quaternary Watershed Impacted by Anticipated Growth
- Significant Groundwater Recharge Area
- Wetland
- Served Settlement Area Boundary
- Growth Area (Hemson 2022)

Aquatic Resource Thermal Regime
 Cold



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NAD 1983 CSRS UTM Zone 17N



Peterborough County
Watershed Plan Phase 3 Volume 2

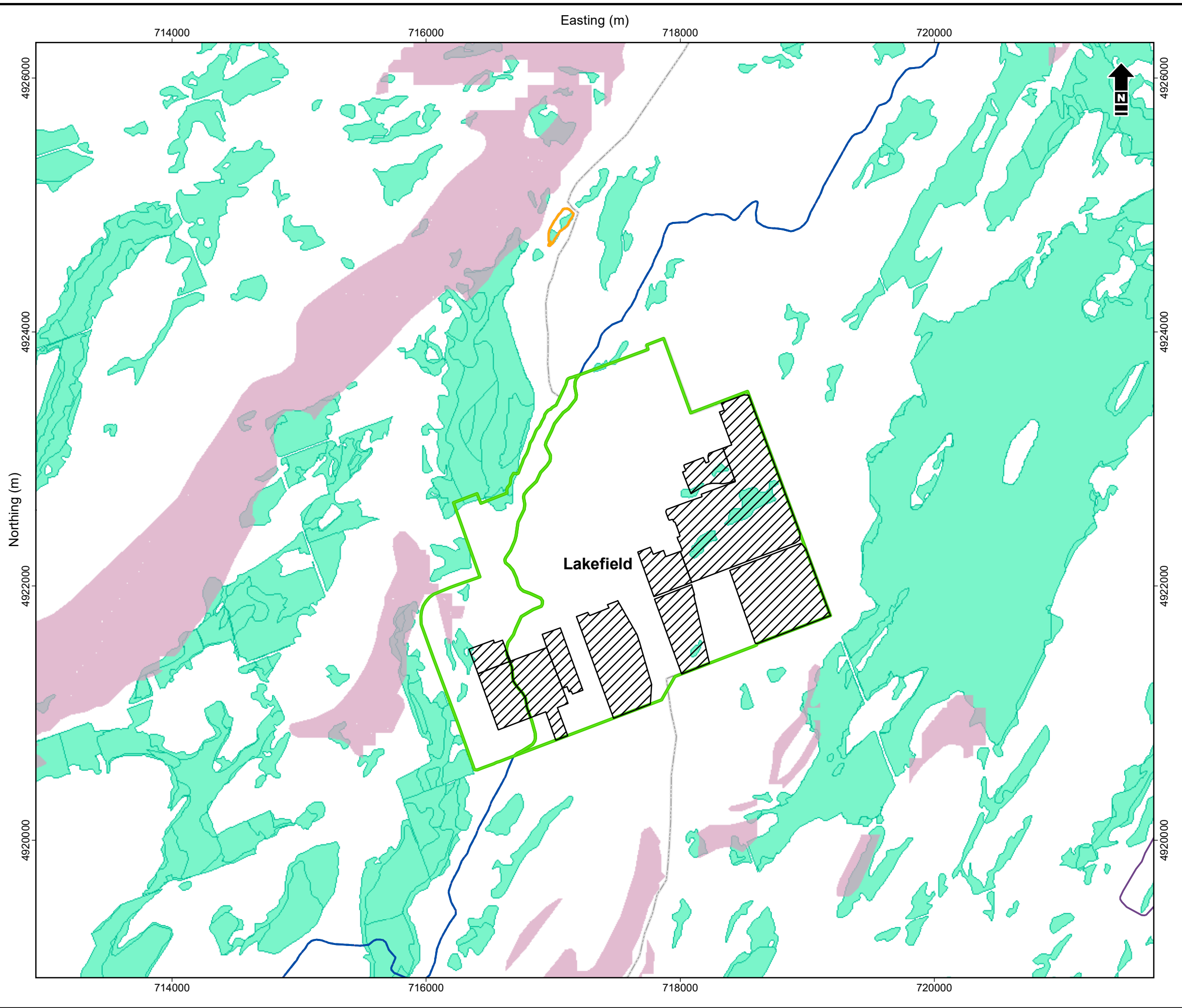
**Source Water Protection
Groundwater Recharge
Growth Areas**

Date:	Project:	Submitter:	Reviewer:
Mar 2026	40848	D. Parikh	M. Pushkar

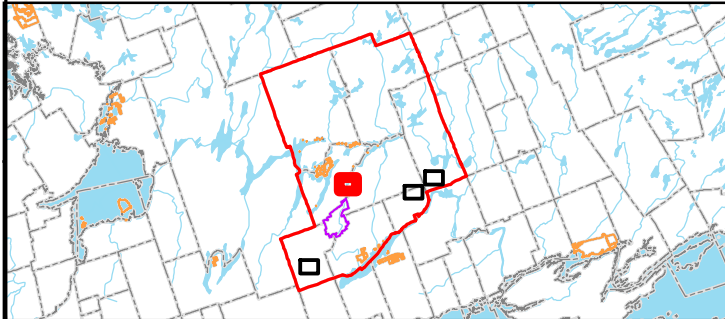
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**Figure
40-1**

I:\CountyOfPeterborough\40848\FiguresAndTables\2026\Report\Phase3\Vol2\Figure-40-Source_Water_Protection_Groundwater_Recharge_Areas.mxd - 17-Mar-26, 03:31 PM - Inwright - TID005



- Peterborough County Boundary (Study Area)
 - City of Peterborough
 - First Nation Reserve
 - Lower and Single Tier Municipal Boundary
 - Tertiary Watershed Boundary (OMNRF)
 - Quaternary Watershed Impacted by Anticipated Growth
 - Significant Groundwater Recharge Area
 - Wetland
 - Serviced Settlement Area Boundary
 - Growth Area (Hemson 2022)
- Aquatic Resource Thermal Regime**
- Cold



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1:30,000 metres
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NAD 1983 CSRS UTM Zone 17N



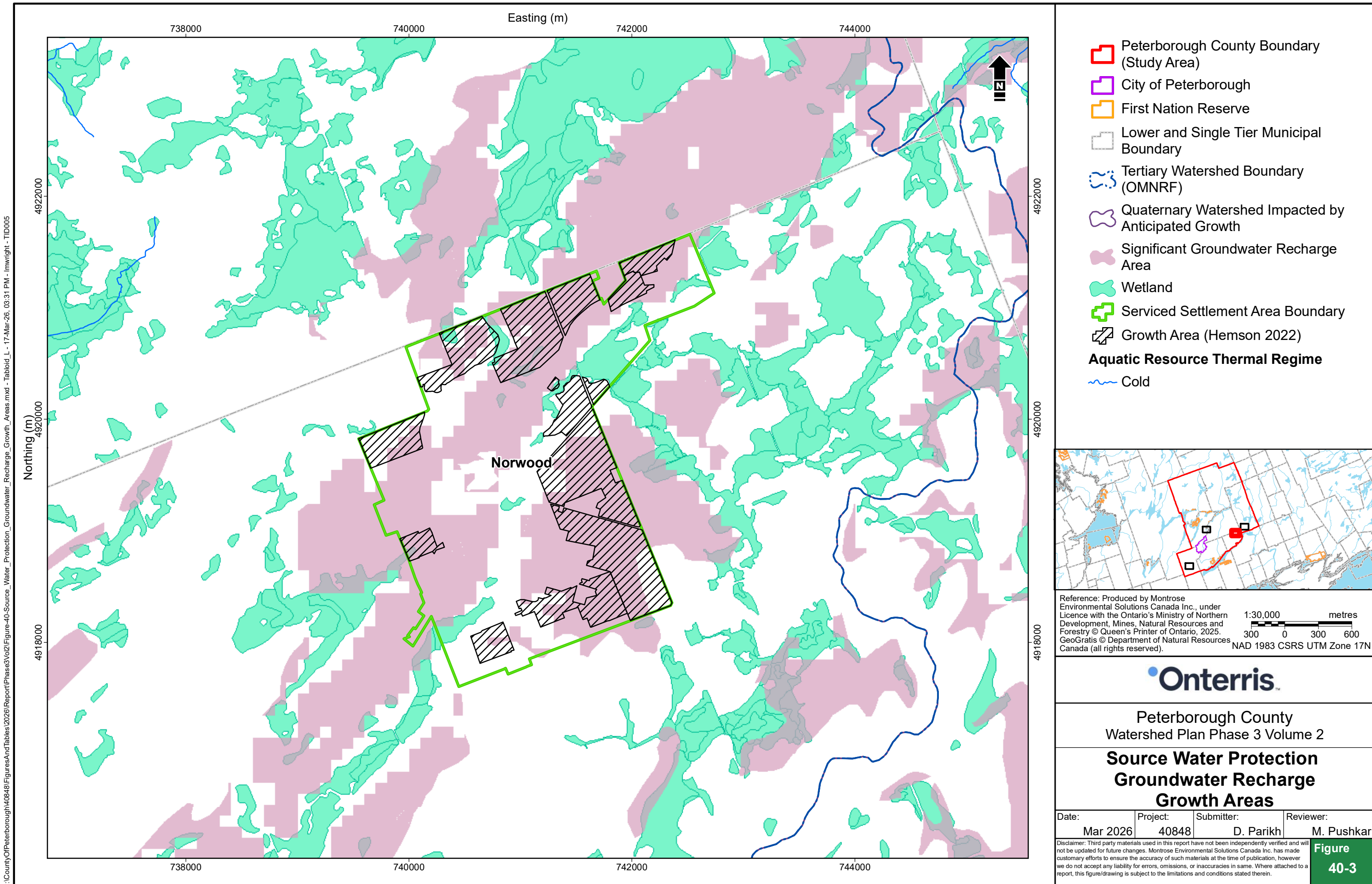
Peterborough County
Watershed Plan Phase 3 Volume 2

Source Water Protection Groundwater Recharge Growth Areas

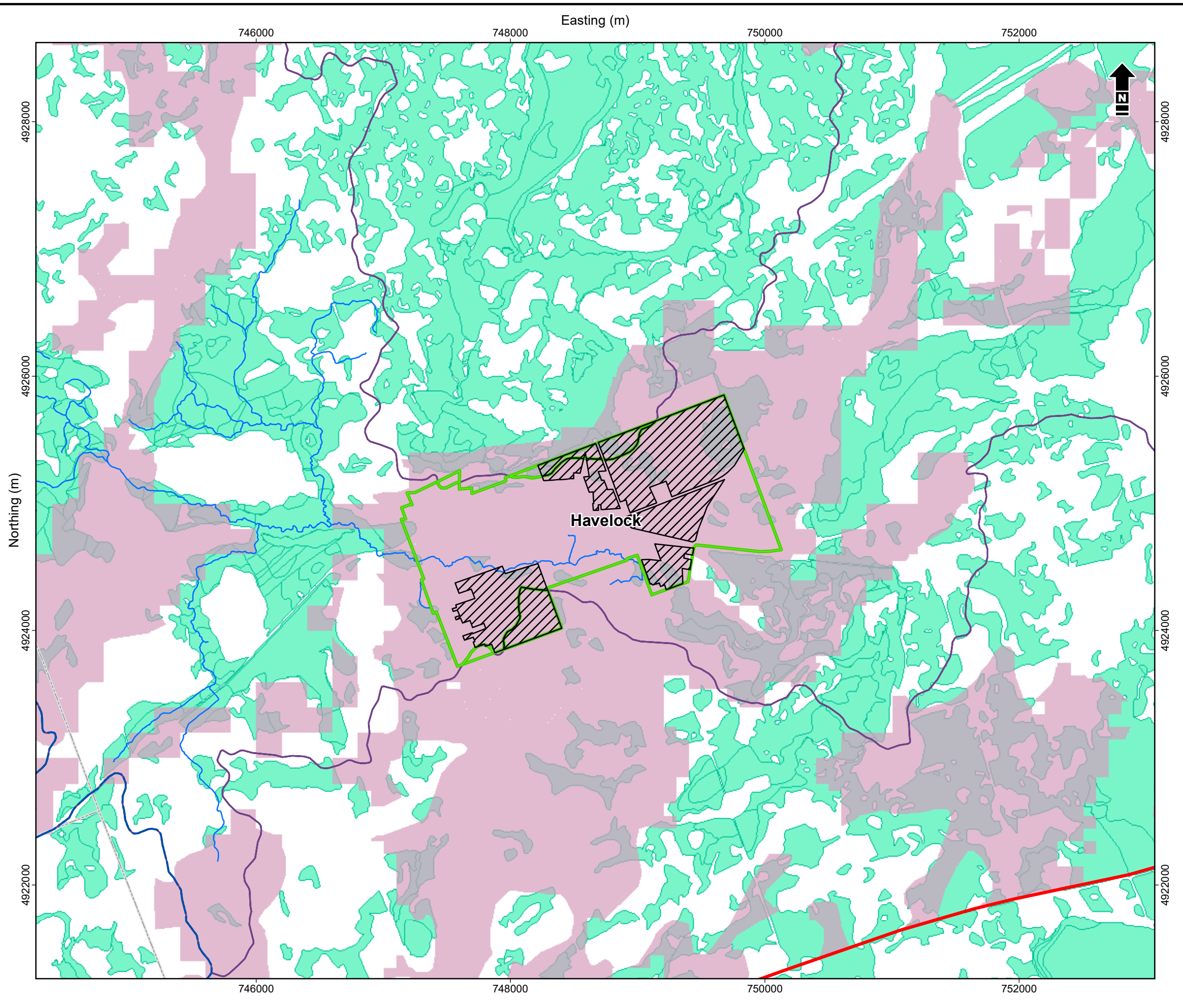
Date: Mar 2026	Project: 40848	Submitter: D. Parikh	Reviewer: M. Pushkar
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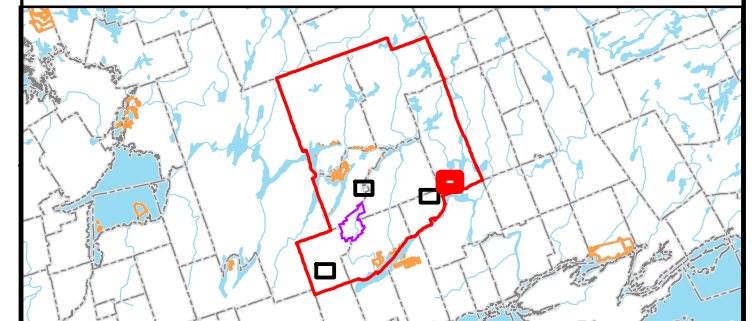
**Figure
40-2**



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- Peterborough County Boundary (Study Area)
- City of Peterborough
- First Nation Reserve
- Lower and Single Tier Municipal Boundary
- Tertiary Watershed Boundary (OMNRF)
- Quaternary Watershed Impacted by Anticipated Growth
- Significant Groundwater Recharge Area
- Wetland
- Serviced Settlement Area Boundary
- Growth Area (Hemson 2022)
- Aquatic Resource Thermal Regime**
 - Cold



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1:30,000 metres
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Peterborough County
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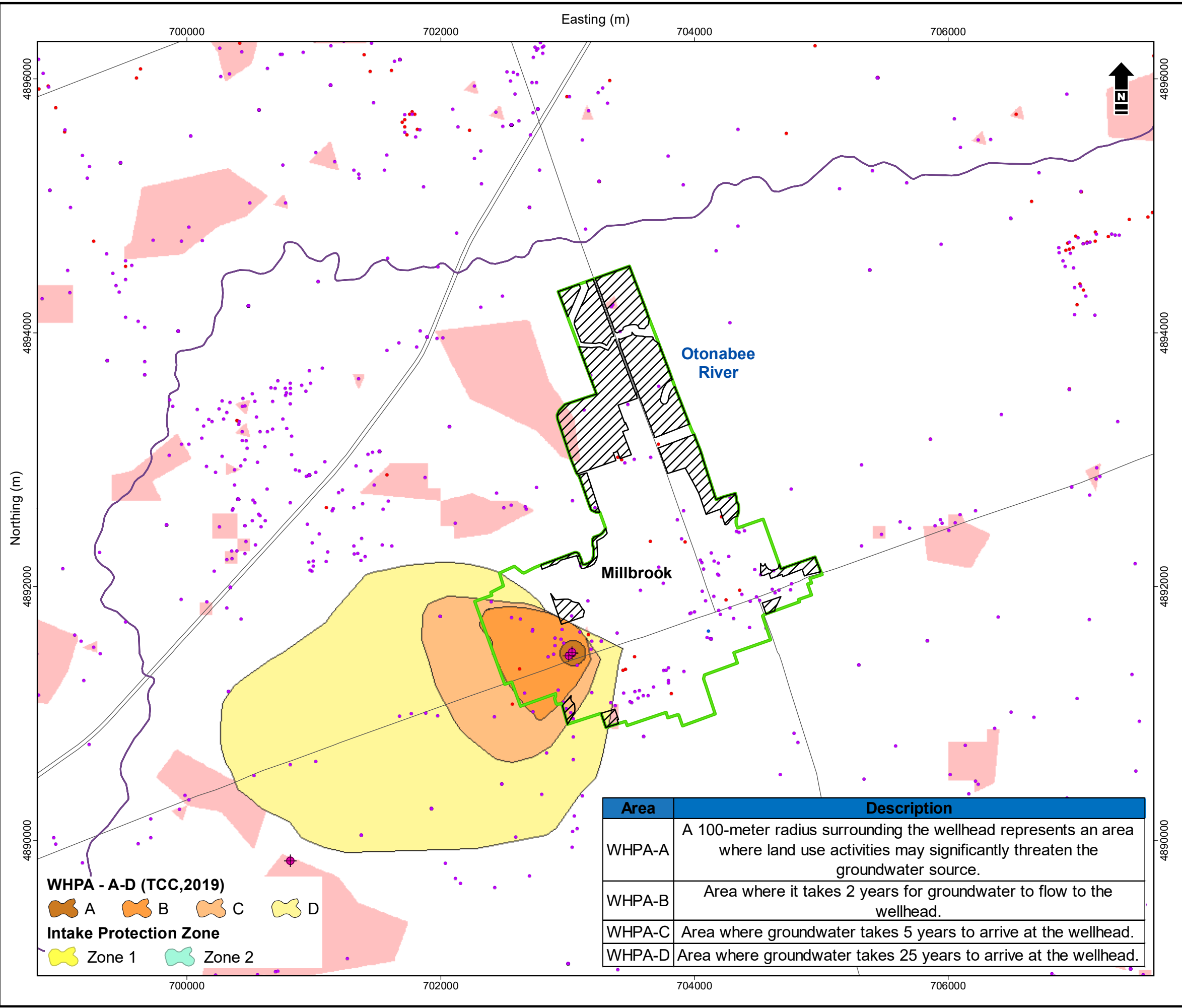
Source Water Protection Groundwater Recharge Growth Areas

Date:	Project:	Submitter:	Reviewer:
Mar 2026	40848	D. Parikh	M. Pushkar

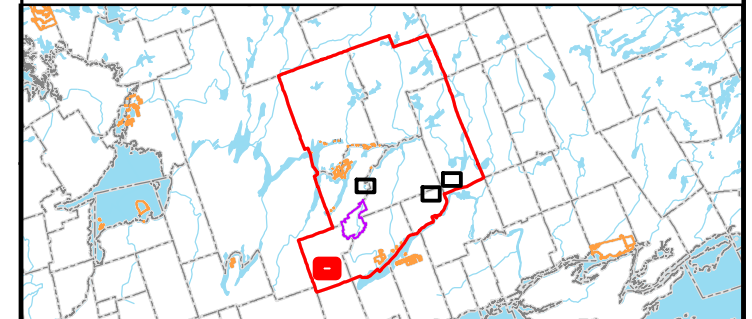
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**Figure
40-4**

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- Peterborough County Boundary (Study Area)
 - City of Peterborough
 - First Nation Reserve
 - Lower and Single Tier Municipal Boundary
 - Tertiary Watershed Boundary (OMNRF)
 - Quaternary Watershed Impacted by Anticipated Growth
 - Highly Vulnerable Aquifer
 - Serviced Settlement Area Boundary
 - Growth Area (Hemson 2022)
 - Highway
- Ground Water User Well**
- Municipal
 - Overburden
 - Bedrock
- Permit to Take Water Well**
- Active



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1:30,000 metres
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NAD 1983 UTM Zone 17N



Peterborough County Watershed Plan Phase 3 Volume 2

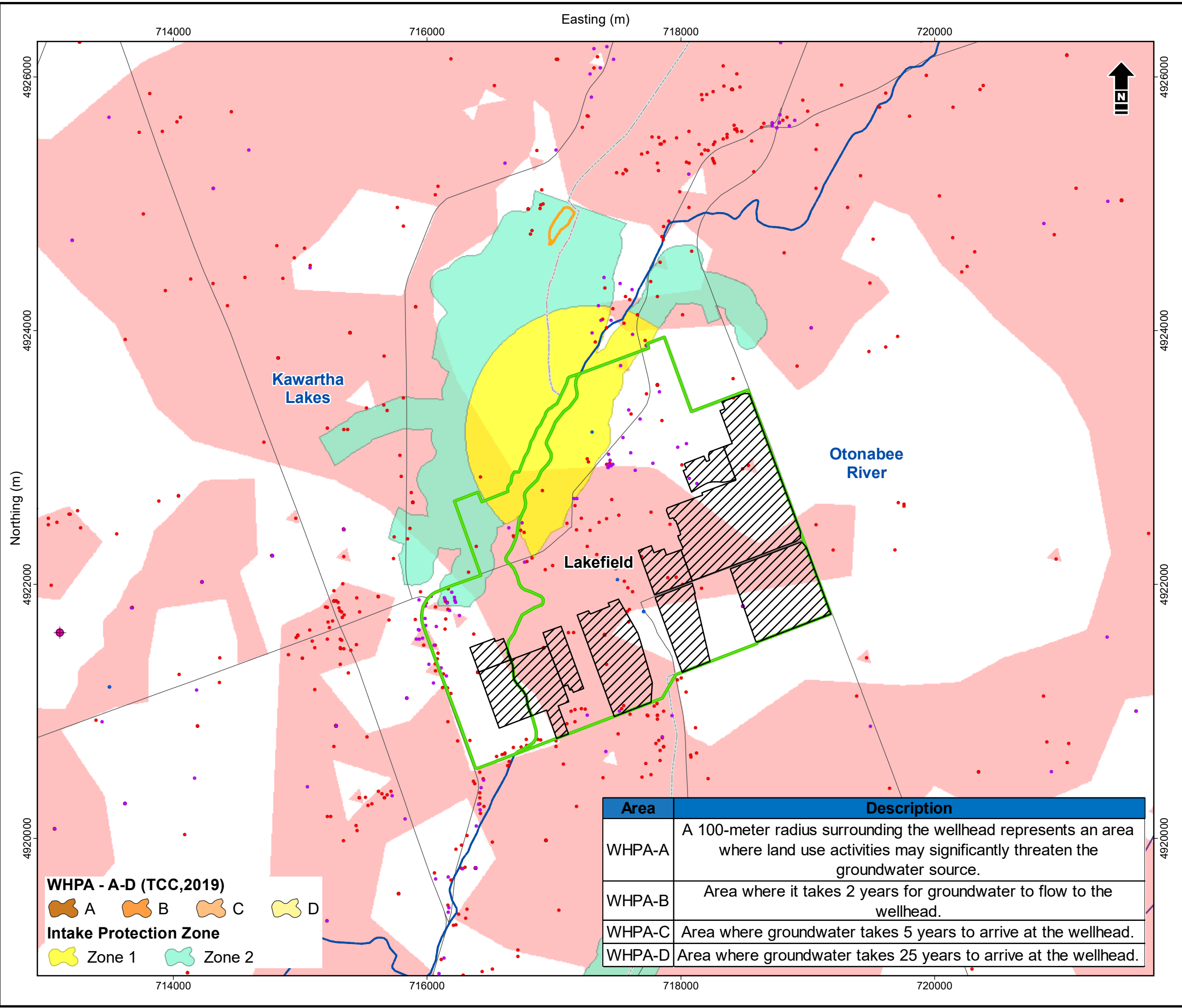
Source Water Protection Groundwater Users Growth Areas

Date:	Project:	Submitter:	Reviewer:
Mar 2026	40848	D. Parikh	M. Pushkar

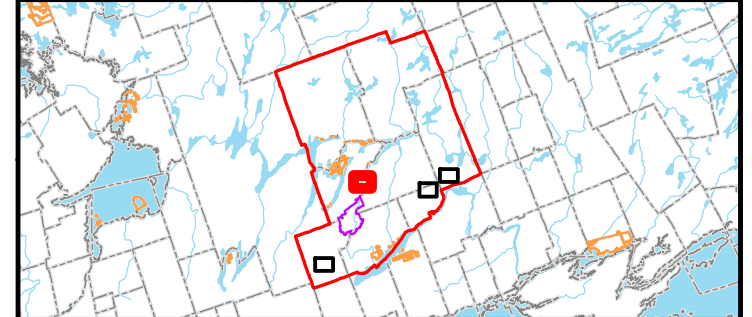
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**Figure
41-1**

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- Peterborough County Boundary (Study Area)
 - City of Peterborough
 - First Nation Reserve
 - Lower and Single Tier Municipal Boundary
 - Tertiary Watershed Boundary (OMNRF)
 - Quaternary Watershed Impacted by Anticipated Growth
 - Highly Vulnerable Aquifer
 - Serviced Settlement Area Boundary
 - Growth Area (Hemson 2022)
 - Highway
- Ground Water User Well**
- Municipal ● Overburden ● Bedrock
- Permit to Take Water Well**
- Active



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1:30,000 metres
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NAD 1983 UTM Zone 17N

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Watershed Plan Phase 3 Volume 2

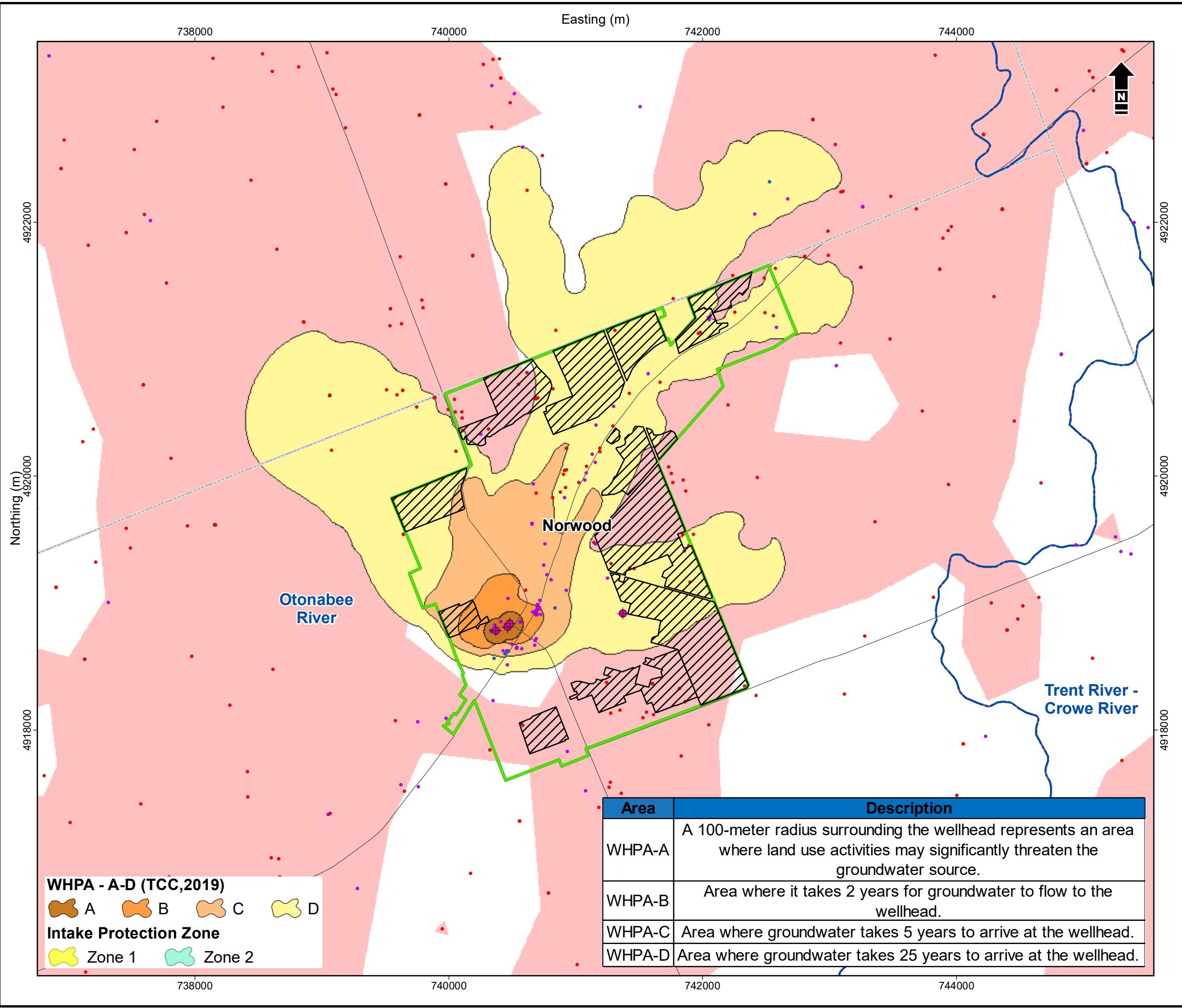
**Source Water Protection
Groundwater Users
Growth Areas**

Date: Mar 2026	Project: 40848	Submitter: D. Parikh	Reviewer: M. Pushkar
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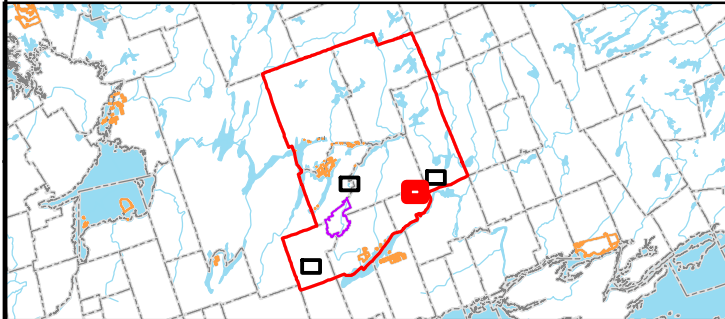
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**Figure
41-2**

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- Peterborough County Boundary (Study Area)
 - City of Peterborough
 - First Nation Reserve
 - Lower and Single Tier Municipal Boundary
 - Tertiary Watershed Boundary (OMNRF)
 - Quaternary Watershed Impacted by Anticipated Growth
 - Highly Vulnerable Aquifer
 - Serviced Settlement Area Boundary
 - Growth Area (Hemson 2022)
 - Highway
- Ground Water User Well**
- Municipal
 - Overburden
 - Bedrock
- Permit to Take Water Well**
- Active



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NAD 1983 UTM Zone 17N

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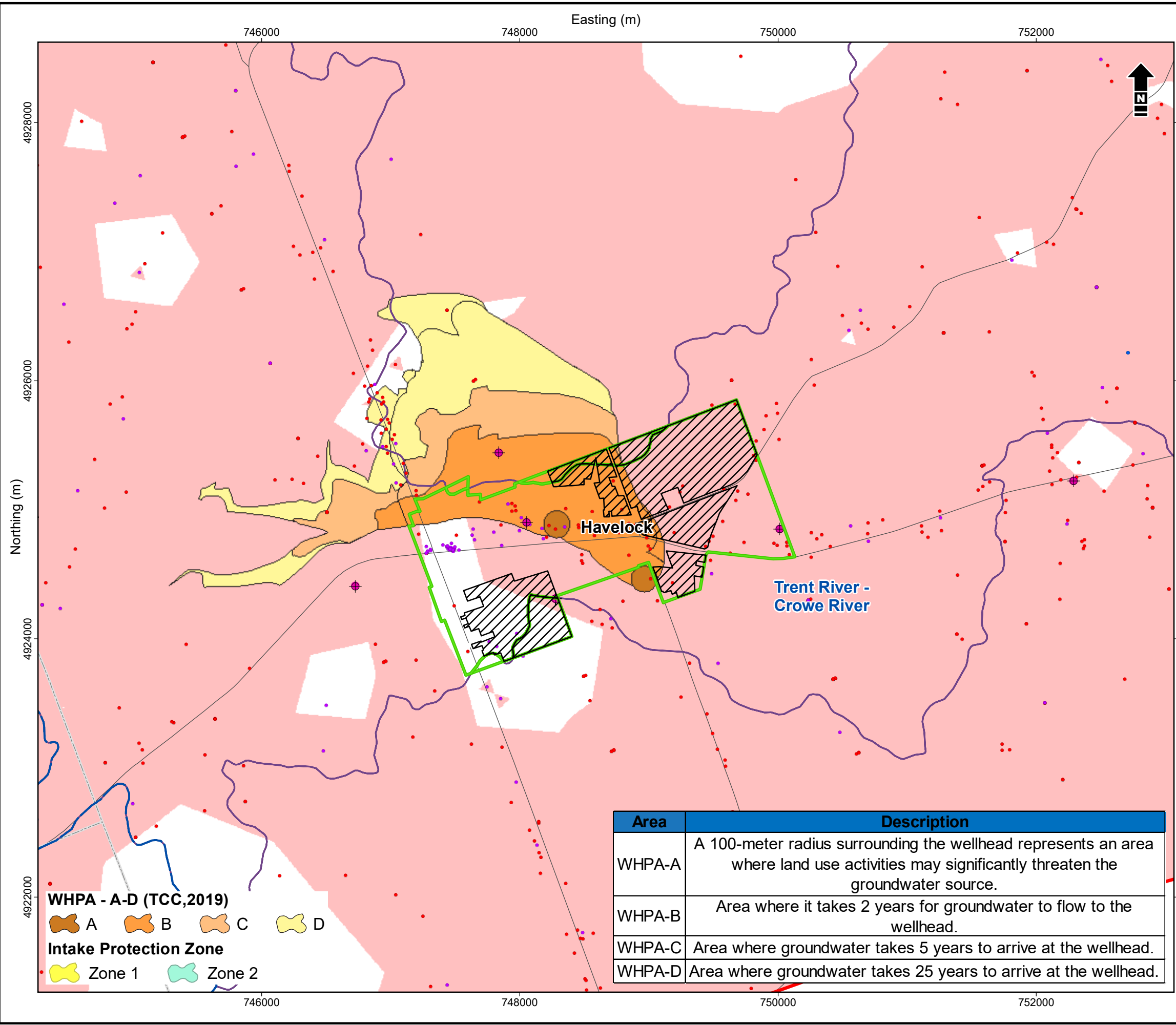
**Source Water Protection
Groundwater Users
Growth Areas**

Date: Mar 2026	Project: 40848	Submitter: D. Parikh	Reviewer: M. Pushkar
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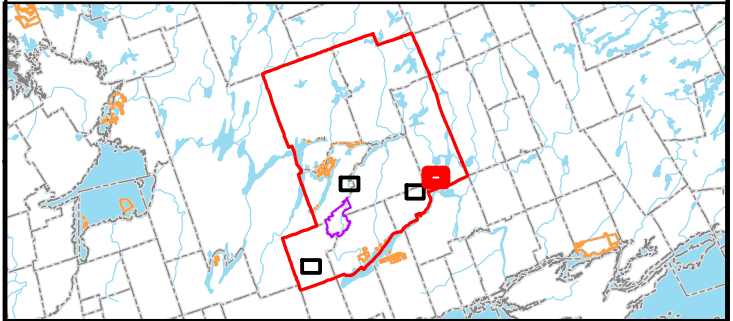
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**Figure
41-3**

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- Peterborough County Boundary (Study Area)
 - City of Peterborough
 - First Nation Reserve
 - Lower and Single Tier Municipal Boundary
 - Tertiary Watershed Boundary (OMNRF)
 - Quaternary Watershed Impacted by Anticipated Growth
 - Highly Vulnerable Aquifer
 - Serviced Settlement Area Boundary
 - Growth Area (Hemson 2022)
 - Highway
- Ground Water User Well**
- Municipal
 - Overburden
 - Bedrock
- Permit to Take Water Well**
- Active



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1:30,000 metres
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NAD 1983 UTM Zone 17N

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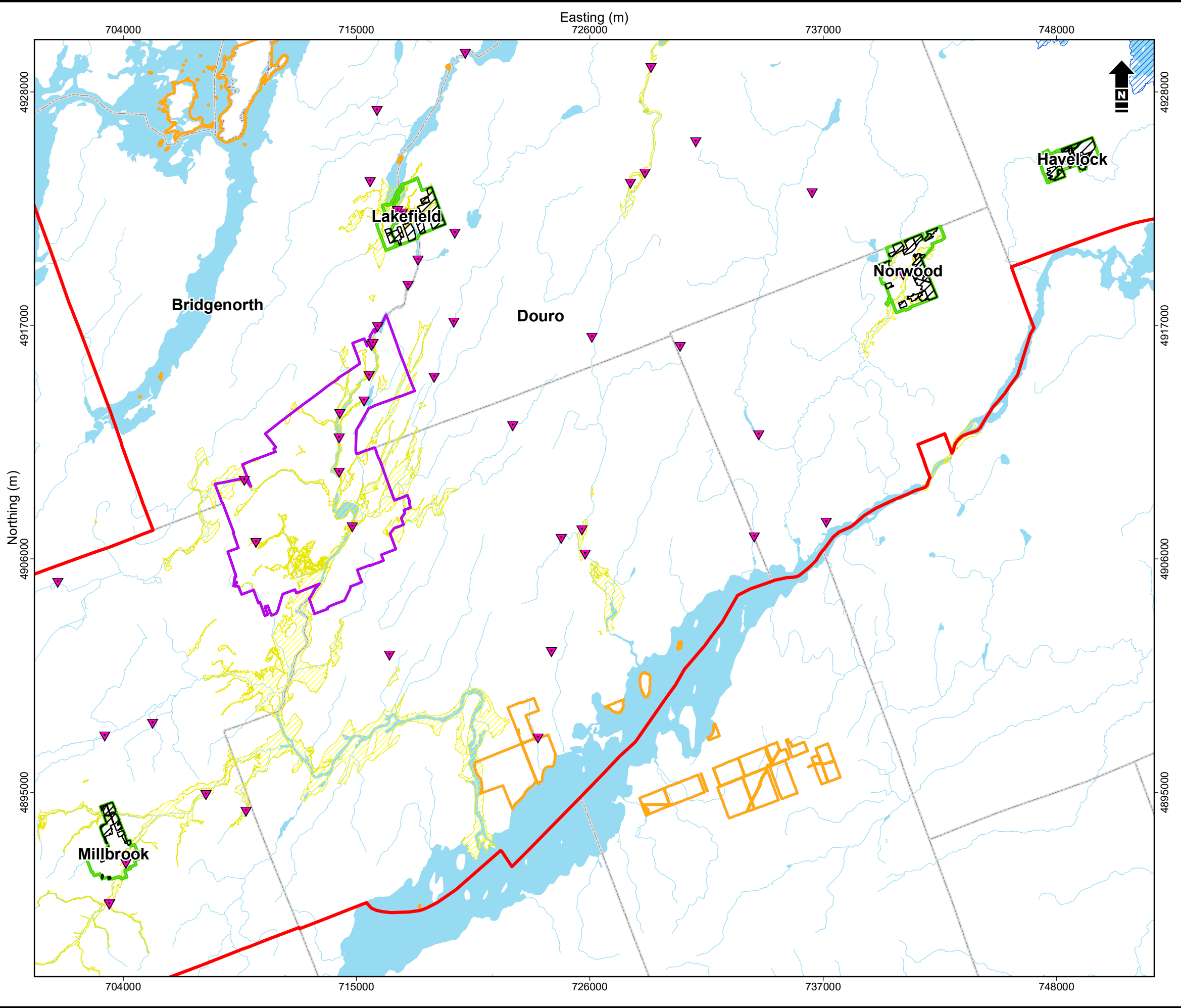
Source Water Protection Groundwater Users Growth Areas

Date: Mar 2026	Project: 40848	Submitter: D. Parikh	Reviewer: M. Pushkar
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Figure
41-4

I:\CountyOfPeterborough\40848\FiguresAndTables\2026\Report\Phase3\Vol2\Figure-42-Flood_Hazard_Extents_Growth_Areas.mxd - Tabloid_L - 17-Mar-26, 04:00 PM - Imwright - TID005



- Peterborough County Boundary (Study Area)
- City of Peterborough
- First Nation Reserve
- Lower and Single Tier Municipal Boundary
- Served Settlement Area Boundary
- Growth Area (Hemson 2022)
- Water Body (GeoGratis)
- Watercourse (GeoGratis)
- Dam (MNRF)
- Available Floodplain Mapping (GIS Datasets Received from Conservation Authorities)**
- Crowe Valley Conservation Authority (CVCA)
- Otonabee Region Conservation Authority (ORCA)

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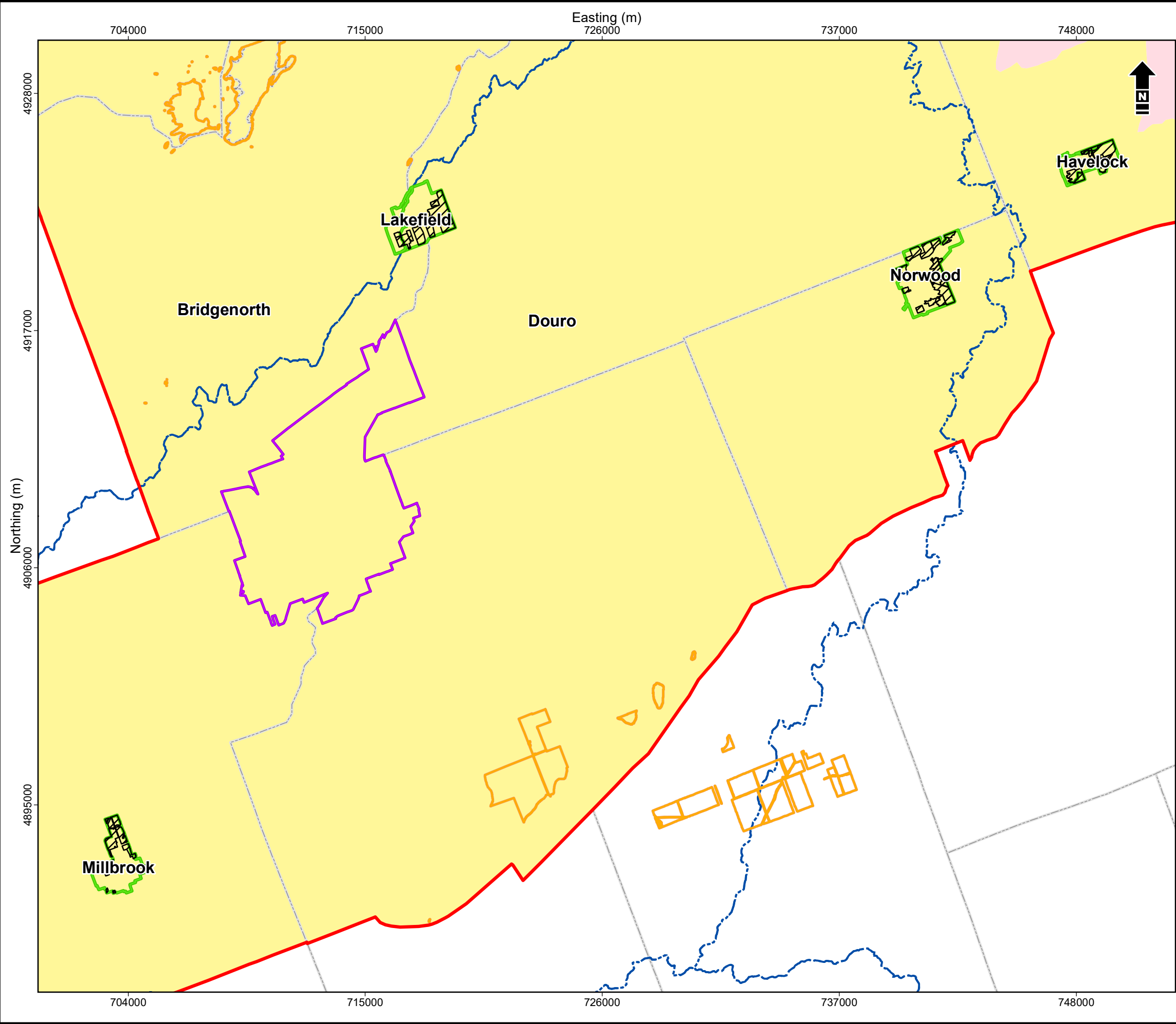
Peterborough County
Watershed Plan Phase 3 Volume 2

**Flood Hazard Extents
Growth Areas**

Date:	Project:	Submitter:	Reviewer:
Mar 2026	40848	K. Castro	M. Pushkar

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- Peterborough County Boundary (Study Area)
- City of Peterborough
- First Nation Reserve
- Lower and Single Tier Municipal Boundary
- Tertiary Watershed Boundary (OMNRF)
- Serviced Settlement Area Boundary
- Growth Area (Hemson 2022)

Ecoregion (Zone Name)

- 6E: Mixedwood Plains
- 5E: Ontario Shield

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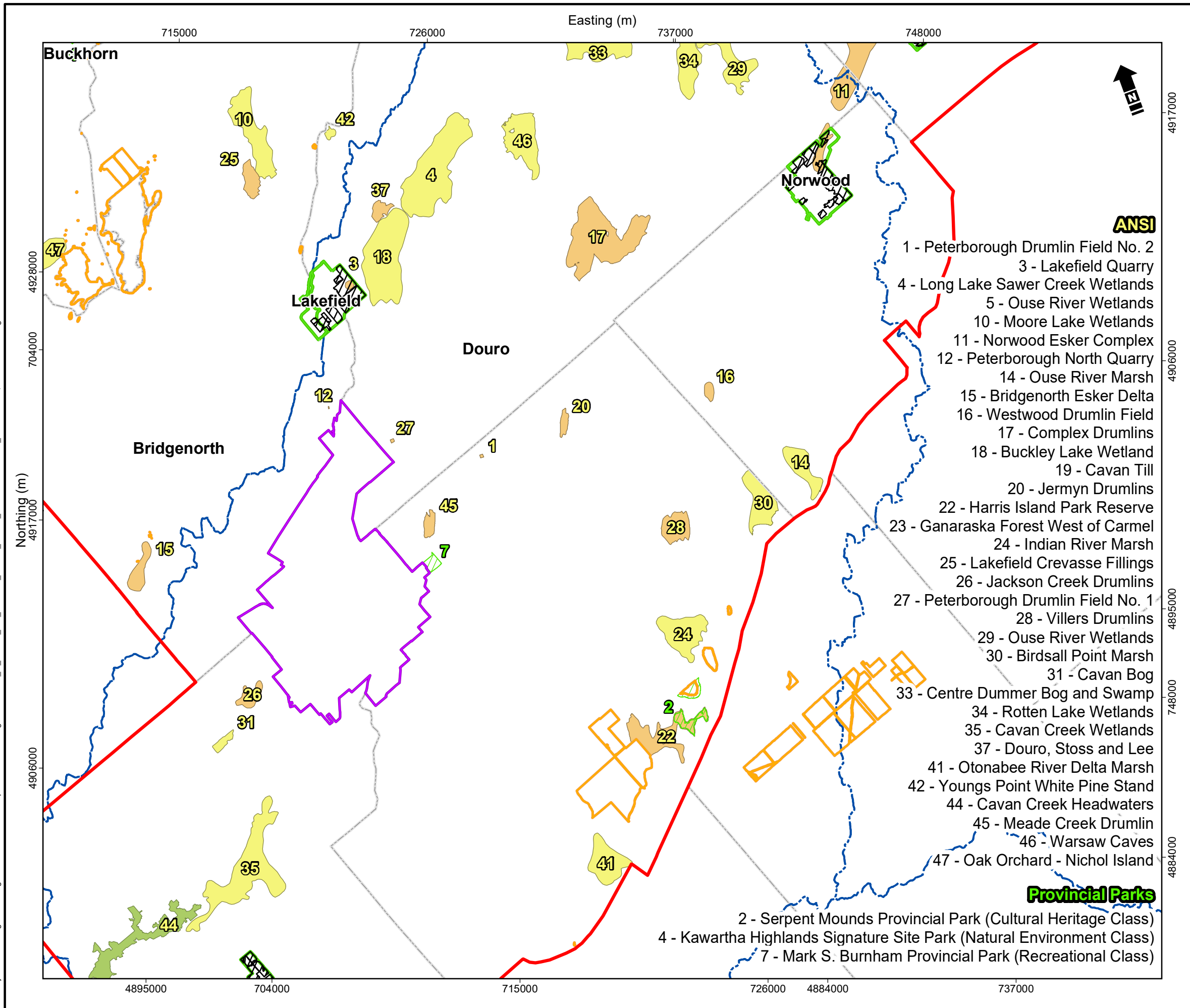


Peterborough County
Watershed Plan Phase 3 Volume 2

**Ecoregions
Growth Areas**

Date:	Project:	Submitter:	Reviewer:
March 2026	40848	D. Frey	M. Pushkar

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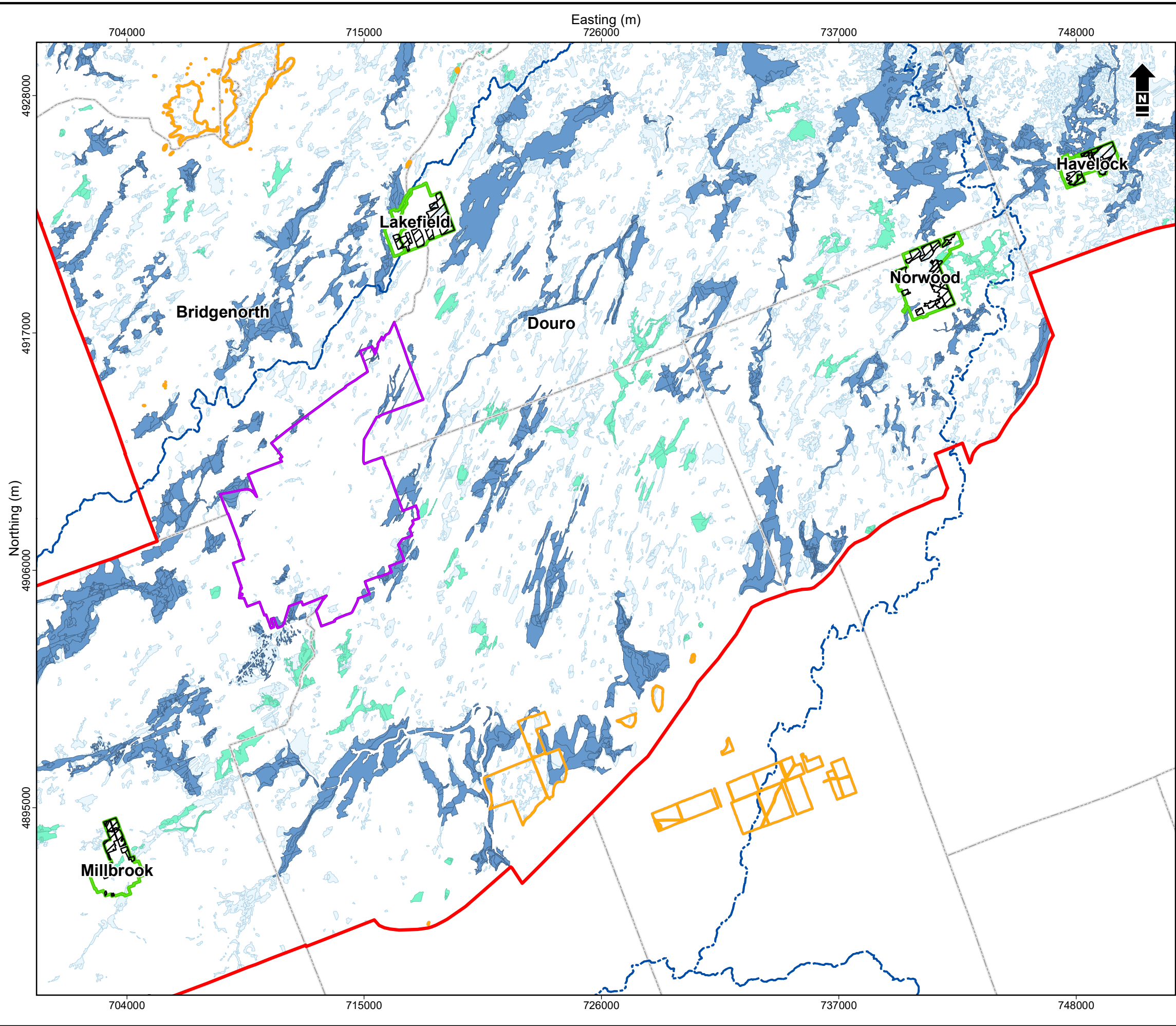


Areas of Natural and Scientific Interest Growth Areas

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Figure 44

I:\CountyOfPeterborough\40848\FiguresAndTables\2026\Report\Phase3\Vol2\Figure-45-Wetlands_Growth_Areas.mxd - Tabloid_L - 17-Mar-26, 04:04 PM - Inwright - TID005



- Peterborough County Boundary (Study Area)
- City of Peterborough
- First Nation Reserve
- Lower and Single Tier Municipal Boundary
- Tertiary Watershed Boundary (OMNRF)
- Unevaluated Wetlands
- Evaluated Non-Significant Wetlands
- Provincially Significant Wetland
- Serviced Settlement Area Boundary
- Growth Area (Hemson 2022)

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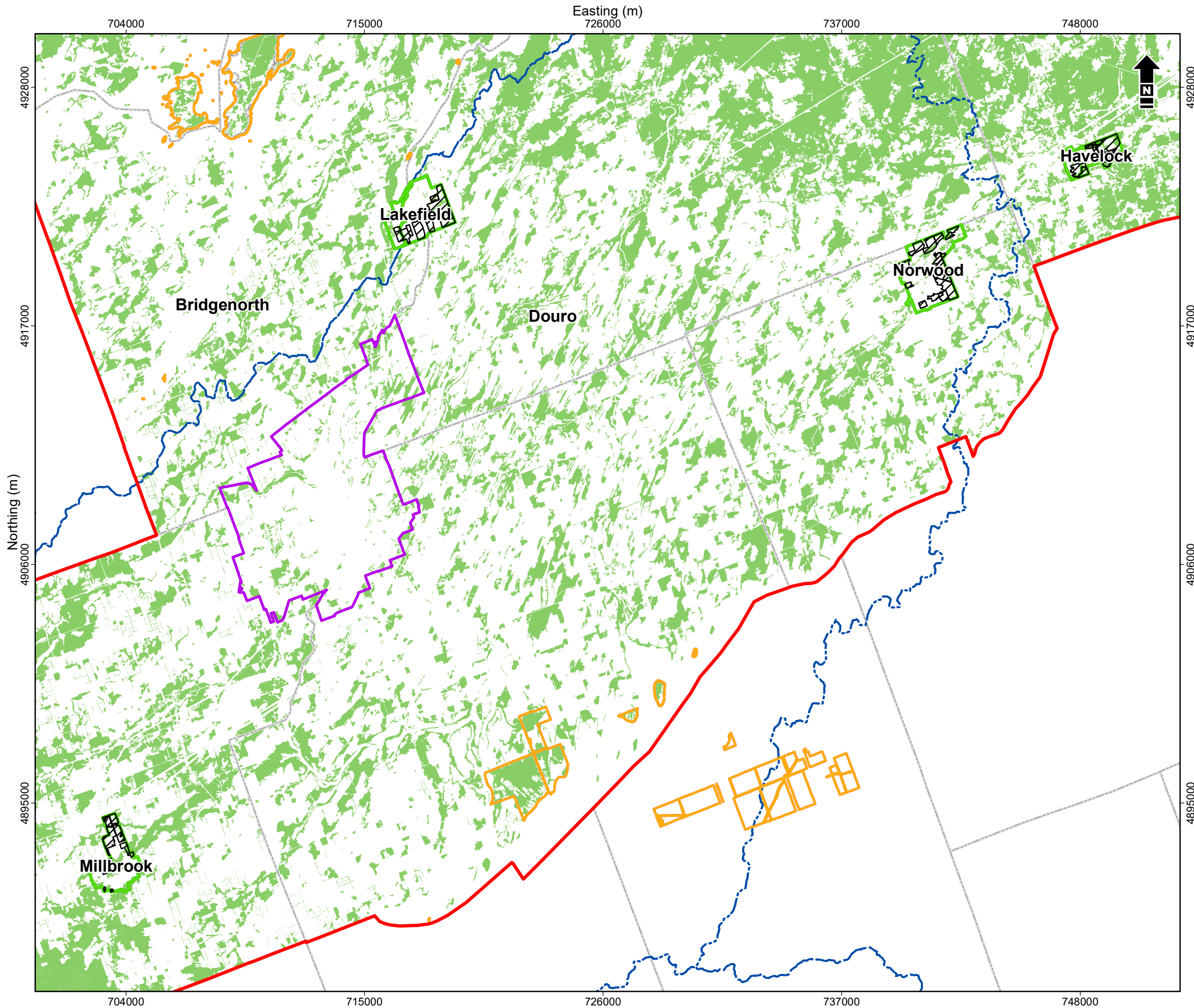
Peterborough County Watershed Plan Phase 3 Volume 2

Study Area Wetlands

Date:	Project:	Submitter:	Reviewer:
March 2026	40848	D. Frey	M. Pushkar

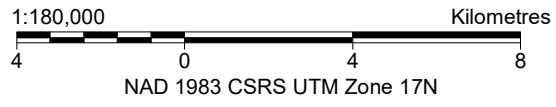
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- Peterborough County Boundary (Study Area)
- City of Peterborough
- First Nation Reserve
- Lower and Single Tier Municipal Boundary
- Wooded Area (MNRF)
- Tertiary Watershed Boundary (OMNRF)
- Serviced Settlement Area Boundary
- Growth Area (Hemson 2022)

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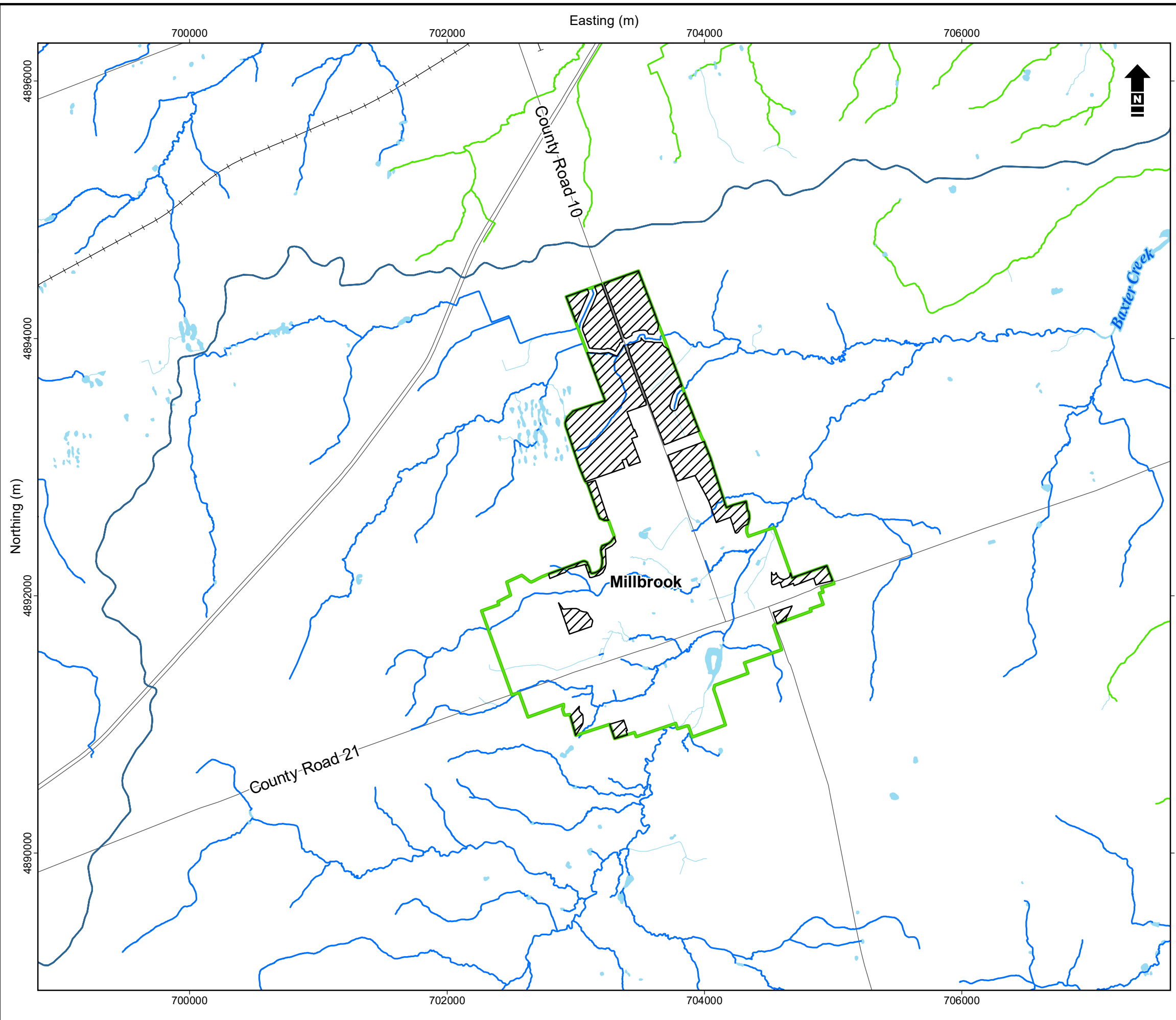
Peterborough County
Watershed Plan Phase 3 Volume 2

**Study Area
Woodlands**

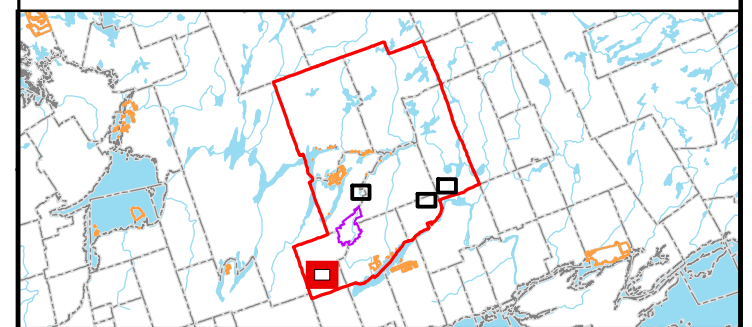
Date:	Project:	Submitter:	Reviewer:
March 2026	40848	D. Frey	M. Pushkar

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- Peterborough County Boundary (Study Area)
 - City of Peterborough
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 - Lower and Single Tier Municipal Boundary
 - Quaternary Watershed Boundary (OMNRF)
 - Fish Activity Area (Known Fish Spawning Areas)
 - Serviced Settlement Area Boundary
 - Growth Area (Hemson 2022)
 - Water Body (OHN)
 - Watercourse (OHN)
 - Highway
 - Railway
- Aquatic Resource Thermal Regime**
- Cold
 - Warm
 - Cool
 - Unknown



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1:30,000 metres
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NAD 1983 CSRS UTM Zone 17N

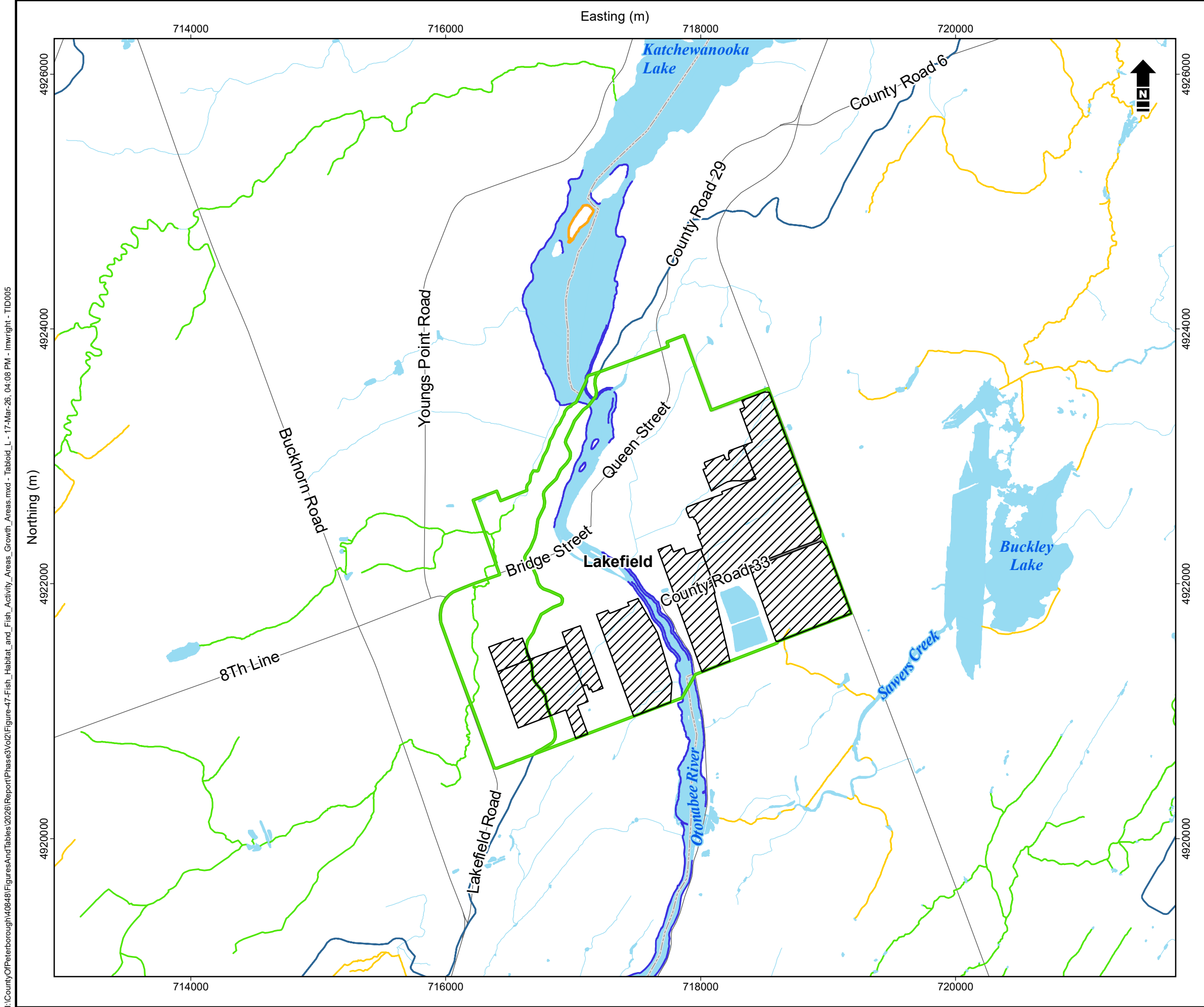


Peterborough County
Watershed Plan Phase 3 Volume 2

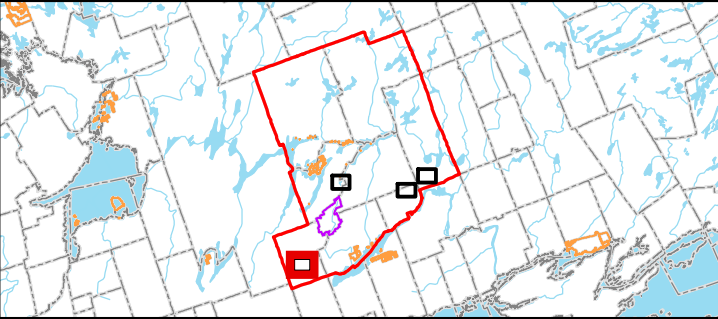
Fish Habitat and Fish Activity Growth Areas

Date:	Project:	Submitter:	Reviewer:
Mar 2026	40848	K. Goguen	M. Pushkar

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NAD 1983 CSRS UTM Zone 17N

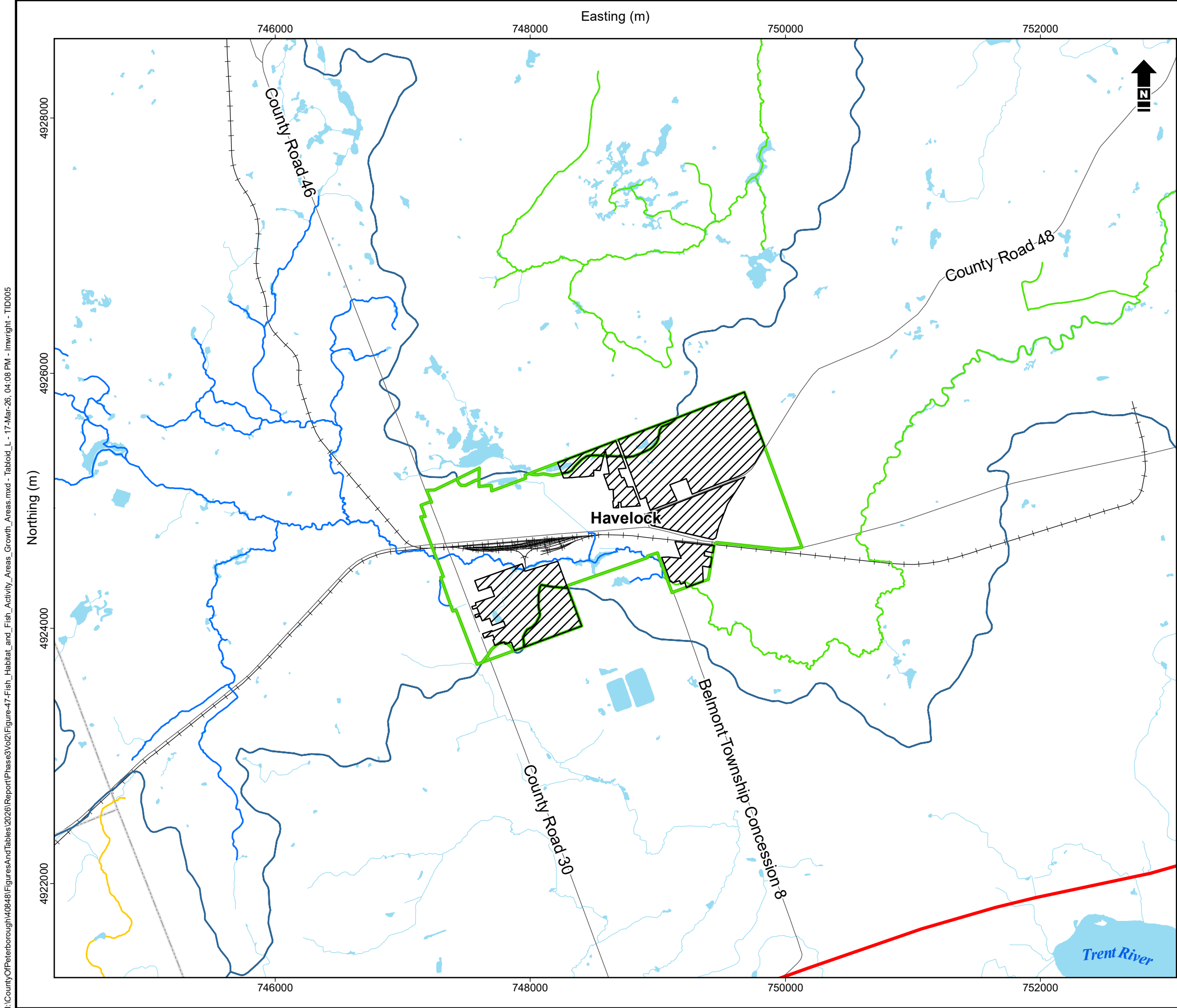


Peterborough County
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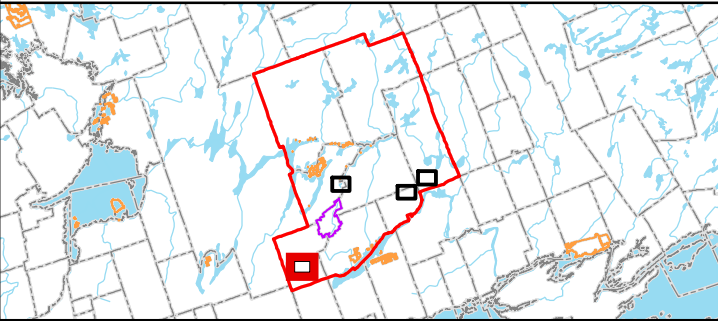
**Fish Habitat and Fish Activity
Growth Areas**

Date:	Project:	Submitter:	Reviewer:
Mar 2026	40848	K. Goguen	M. Pushkar

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1:30,000 metres
300 0 300 600
NAD 1983 CSRS UTM Zone 17N



Peterborough County
Watershed Plan Phase 3 Volume 2

**Fish Habitat and Fish Activity
Growth Areas**

Date:	Project:	Submitter:	Reviewer:
Mar 2026	40848	K. Goguen	M. Pushkar

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