

Notice of Public Consultation On Proposed Source Protection Plan and Assessment Report Updates

Deadline for comments: March 1, 2026 at 11:59 p.m.

On behalf of the North Bay-Mattawa Source Protection Committee and Authority, please be advised of the proposed updates to the Source Protection Plan and Assessment Report for the North Bay-Mattawa Source Protection Area. This Notice is being posted for public consultation and circulated to municipalities, ministries and other implementing bodies as required under the *Clean Water Act, 2006*. The proposed updates are prepared as per section 36 of the *Clean Water Act, 2006* and the 2021 Technical Rules. Comments may be submitted to the North Bay-Mattawa Source Protection Committee by email at dwsp@nbmca.ca.

The Source Protection Plan contains policies that help protect municipal source of drinking water. The Assessment Report contains the technical studies that support the policies. The proposed Source Protection Plan and Assessment Report and maps are available at:

<https://actforcleanwater.ca/public-consultations-reports/source-protection-plan/>

The most substantial changes in this revised edition are the intake protection zone mapping has been updated to reflect updated watercourse and wetland mapping data and the policies are now reflective of the 2021 version of the Technical Rules and Tables of Drinking Water Threats. The revised boundary for the Callander IPZ-ICA may result in additional residents being included in the On-site Sewage System Mandatory Maintenance Inspection program.

Comments

Written comments should be submitted by **March 1, 2026 at 11:59 p.m.**, and may be directed to:

Jason Trottier, Chair
North Bay-Mattawa Source Protection Committee
c/o North Bay-Mattawa Conservation Authority
15 Janey Avenue, North Bay, ON P1C 1N1
Email: dwsp@nbmca.ca
Fax: 705-474-9793

Summary of key updates to the Assessment Report:

- Updated watershed monitoring data under watershed characterization.
- Applied the 2021 Technical Rules and Tables of Drinking Water Quality Threats to technical work including:
 - update of impervious surface area maps (which in turn help identify and assess threat activities such as the application of road salt)
 - use of revised terminology Intake Protection Zone (IPZ)-Issue Contributing Area (ICA) for the Callander municipal drinking water source
 - update to background details for threat activities
 - update to numbers of existing threat activity counts and circumstances.
- Updated the Callander IPZ-1, IPZ-2, and IPZ-ICA and North Bay IPZ-2 map to reflect Technical Rule guidance and updated wetlands and watercourse delineation data.

Summary of key updates to the Source Protection Plan:

- Applied the 2021 Technical Rules and Tables of Drinking Water Quality Threats including an updated list of prescribed threats, applicable threat subcategories, and vulnerable areas.
- New and revised policies capture changes to the Technical Rules and are outlined in the table below.

Policy	Vulnerable Area	Description of Policy changes
AIR1. Glycol Management Plans	N/A	Policy removed under O.Reg 287/07 section 31 where a policy is not required if the activity has never been engaged in and there is no reasonable prospect that the activity will ever be engaged in in an area where it would be a significant drinking water threat.
FUL1. Land Use Prohibition: Handling and Storage of Fuel	Callander IPZ-1, Mattawa WHPA-A, WHPA-B, Powassan WHPA-A, WHPA-B, South River IPZ-1	Revised policy removing reference to specific circumstances and now applies to Callander IPZ-1 and South River IPZ-1
FUL2. Management of Threat as a Condition of Other Approvals: Handling and Storage of Fuel	Callander IPZ-1, Mattawa WHPA-A, WHPA-B, Powassan WHPA-A, WHPA-B, South River IPZ-1	Policy now applies to Callander IPZ-1 and South River IPZ-1
FUL3. Maintenance of Safety Information for Public by TSSA	Callander IPZ-1, Mattawa WHPA-A, WHPA-B, Powassan WHPA-A, WHPA-B, South River IPZ-1	Policy now applies to Callander IPZ-1 and South River IPZ-1
FUL4. Education: Handing and Storage of Fuel	Callander IPZ-1, Mattawa WHPA-A, WHPA-B, Powassan WHPA-A, WHPA-B, South River IPZ-1	Revised policy removing reference to specific circumstances and now applies to Callander IPZ-1 and South River IPZ-1
HAZ1. Land Use Screening: DNAPLs	Callander IPZ-1, Mattawa WHPA-A, WHPA-B, Powassan WHPA-A, WHPA-B, South River IPZ-1	New Policy
HAZ2. Land Use Screening: Organic Solvents	Mattawa WHPA-A, WHPA-B Powassan WHPA-A, WHPA-B	New Policy

Policy	Vulnerable Area	Description of Policy changes
HAZ3. Education: DNAPLs	Callander IPZ-1, Mattawa WHPA-A, WHPA-B, Powassan WHPA-A, WHPA-B, South River IPZ-1	Revised policy. Former HAZ.1 Education DNAPLs and Organic Solvents policy has been renumbered and Organic Solvents content removed (See HAZ4). This policy now applies to Callander IPZ-1 and South River IPZ-1
HAZ4. Education: Organic Solvents	Mattawa WHPA-A, WHPA-B, Powassan WHPA-A, WHPA-B	Revised Policy. Former HAZ.1 Education DNAPLs and Organic Solvents policy has been renumbered and separated into two policies (see HAZ3.)
ICA1. Education: Issue Contributing Area	Callander IPZ-ICA	Revised policy with changes to the list of activities specified to be included in the Education and Outreach program.
ICA2. <i>Nutrient Management Act Tools to implement Phosphorus Best Management in the Issue Contributing Area</i>	Callander IPZ-ICA	Revised Policy with changes to the list of activities to have conditions specified when a Nutrient Management Plan, Nutrient Management Strategy and/or Non-Agricultural Source Material Plan is required.
ICA3. Governing Research in the Issue Contributing Area	Callander IPZ-ICA	Revised policy with changes to the list of research outcomes
LAU1. Education: Threat Activities in Laurier Township	South River IPZ-1 in Laurier Township only	Revised policy with changes to activities listed; NBMCA to implement Education and Outreach for the three properties in the IPZ-1 in Laurier.
MAT1. Management of Threats in the Municipality of Mattawan	Mattawa WHPA-C in Municipality of Mattawan only	Revised policy with changes to the activities listed.

Policy	Vulnerable Area	Description of Policy changes
PIP1. Pipeline Planning to Consider Source Water	Callander IPZ-1, IPZ-2, IPZ-3, Mattawa, WHPA-A, WHPA-B, WHPA-C, WHPA-D, Powassan WHPA-A, WHPA-B, WHPA-C, WHPA-D, South River IPZ-1, IPZ-3, Highly Vulnerable Aquifer (HVA)	New policy to address new prescribed threat of Liquid Hydrocarbon Pipelines (none exist in the Source Protection Area)
PIP2. Pipeline Design, Operation, and Maintenance	Callander IPZ-1, IPZ-2, IPZ-3, Mattawa, WHPA-A, WHPA-B, WHPA-C, WHPA-D, Powassan WHPA-A, WHPA-B, WHPA-C, WHPA-D, South River IPZ-1, IPZ-3, HVA	New policy to address new prescribed threat of Liquid Hydrocarbon Pipelines (none exist in the Source Protection Area)
PIP3. Pipeline Notification	Callander IPZ-1, IPZ-2, IPZ-3, Mattawa, WHPA-A, WHPA-B, WHPA-C, WHPA-D, Powassan WHPA-A, WHPA-B, WHPA-C, WHPA-D, South River IPZ-1, IPZ-3, HVA	New policy to address new prescribed threat of Liquid Hydrocarbon Pipelines (none exist in the Source Protection Area)
PIP4. Pipeline Technical Work Costs	Callander IPZ-1, IPZ-2, IPZ-3, Mattawa, WHPA-A, WHPA-B, WHPA-C, WHPA-D, Powassan WHPA-A, WHPA-B, WHPA-C, WHPA-D, South River IPZ-1, IPZ-3, HVA	New policy to address new prescribed threat of Liquid Hydrocarbon Pipelines (none exist in the Source Protection Area)

Policy	Vulnerable Area	Description of Policy changes
PIP5. Education: Liquid Hydrocarbon Pipeline	Callander IPZ-1, IPZ-2, IPZ-3, Mattawa, WHPA-A, WHPA-B, WHPA-C, WHPA-D, Powassan WHPA-A, WHPA-B, WHPA-C, WHPA-D, South River IPZ-1, IPZ-3, HVA	New policy to address new prescribed threat of Liquid Hydrocarbon Pipelines (none exist in the Source Protection Area)
PIP6. Mapping for Pipeline Emergency Planning	Callander IPZ-1, IPZ-2, IPZ-3, Mattawa, WHPA-A, WHPA-B, WHPA-C, WHPA-D, Powassan WHPA-A, WHPA-B, WHPA-C, WHPA-D, South River IPZ-1, IPZ-3, HVA	New policy to address new prescribed threat of Liquid Hydrocarbon Pipelines (none exist in the Source Protection Area)
PST2. Land Use Prohibition: Pesticide Handling and Storage	Callander IPZ-1, Mattawa WHPA-A, WHPA-B, Powassan WHPA-A, WHPA-B, South River IPZ-1	Revised policy, adding handling to existing activity of storage of pesticides.
PST3. Municipal Pesticide Management Plan	Callander IPZ-1, IPZ-2	Revised policy, adding handling to existing activities of application and storage of pesticides.
SAL1. Salt Management Plan	Moderate or Low Threat: Callander IPZ-1, IPZ-2, Mattawa WHPA-A, WHPA-B, WHPA-C, WHPA-D, North Bay IPZ-1, IPZ-2 Powassan WHPA-A, WHPA-B, WHPA-C, WHPA-D, South River IPZ-1, HVA	New policy addressing the significant threat of application of road salt. Where the threat is an existing moderate or low threat municipalities should have a salt management plan in place. The former SAL.1 Land Use Prohibition – Road Salt Storage policy has been removed as the volume threshold for significant threat is now as little as 20 kg.

Policy	Vulnerable Area	Description of Policy changes
SAL2. Education: Road Salt Application	Callander IPZ-1, Mattawa WHPA-A, WHPA-B, Powassan WHPA-A, WHPA-B, South River IPZ-1	New policy
SAL3. Education: Road Salt Handling and Storage	Callander IPZ-1, Mattawa WHPA-A, WHPA-B, Powassan WHPA-A, WHPA-B, South River IPZ-1	New policy
SEW1. Prescribed Instruments: Prohibition of New Sewage Works and Review of Existing Sewage Works of Certain Types	Callander IPZ-1, IPZ-2, IPZ-ICA Mattawa WHPA-A, WHPA-B, North Bay IPZ-1 Powassan WHPA-A, WHPA-B, South River IPZ-1	Revised policy with changes to activities listed
SEW2. Prescribed Instruments: Management of Sewage Works of Certain Types	Callander IPZ-1, IPZ-2, IPZ-ICA Mattawa WHPA-A, WHPA-B, North Bay IPZ-1 Powassan WHPA-A, WHPA-B, South River IPZ-1	Revised policy with changes to activities listed
SMF1. Management of Threat Posed by Certain Nutrients as a Condition of Other Approvals	Callander IPZ-1, IPZ-2 Mattawa WHPA-A, WHPA-B, North Bay IPZ-1 Powassan WHPA-A, WHPA-B, South River IPZ-1	New Policy
SMF3. Municipal Action: Prohibit Application of Fertilizer to Land	Callander IPZ-1, IPZ-2 Mattawa WHPA-A, WHPA-B, Powassan WHPA-A, WHPA-B, South River IPZ-1	Revised policy (formerly SMF1. Municipal Action: Prohibit Land Application of Nutrients). Agriculturally based activities have been removed (see SMF4 below)

Policy	Vulnerable Area	Description of Policy changes
SMF4. Education: Management of ASM and Livestock Grazing Activity	Callander IPZ-1, IPZ-2, IPZ-ICA Mattawa WHPA-A, WHPA-B, North Bay IPZ-1 Powassan WHPA-A, WHPA-B, South River IPZ-1	New policy addressing the agriculturally based activities that were removed from former SMF1. Municipal Action: Prohibit Land Application of Nutrients policy
SNO1. Storage of Snow	Callander IPZ-1, IPZ-2 Mattawa WHPA-A, WHPA-B, North Bay IPZ-1 Powassan WHPA-A, WHPA-B, South River IPZ-1	This policy now applies to the Callander IPZ-2 and North Bay IPZ-1
SNO2. Education: Storage of Snow	Callander IPZ-1, IPZ-2 Mattawa WHPA-A, WHPA-B, North Bay IPZ-1 Powassan WHPA-A, WHPA-B, South River IPZ-1	New Policy
SVA1. Signage of Vulnerable Areas	Callander IPZ-1, IPZ-2 Mattawa WHPA-A, WHPA-B, North Bay IPZ-1 Powassan WHPA-A, WHPA-B, South River IPZ-1	Revised Policy to reflect ongoing nature of the program and that signs have been designed and installed
TPW1. Provide Notice of Transport Pathway	Callander IPZ-1, IPZ-2, IPZ-3, Mattawa, WHPA-A, WHPA-B, WHPA-C, WHPA-D, Powassan WHPA-A, WHPA-B, WHPA-C, WHPA-D, South River IPZ-1, IPZ-3	New Policy

Policy	Vulnerable Area	Description of Policy changes
WDS1. Prohibition and Management of Waste Disposal Sites under Part V of the EPA	Callander IPZ-1, IPZ-2, IPZ-ICA, Mattawa WHPA-A, WHPA-B, North Bay IPZ-1 Powassan WHPA-A, WHPA-B, South River IPZ-1	Revised policy with changes to activities listed
WDS2. Land Use Prohibition: Waste Disposal Sites	Callander IPZ-1, IPZ-2, IPZ-ICA, Mattawa WHPA-A, WHPA-B, North Bay IPZ-1 Powassan WHPA-A, WHPA-B, South River IPZ-1	Revised policy with changes to activities listed
WDS3. Education: Hazardous Waste and PCBs	Mattawa WHPA-A, WHPA-B	Revised policy with changes to activities listed

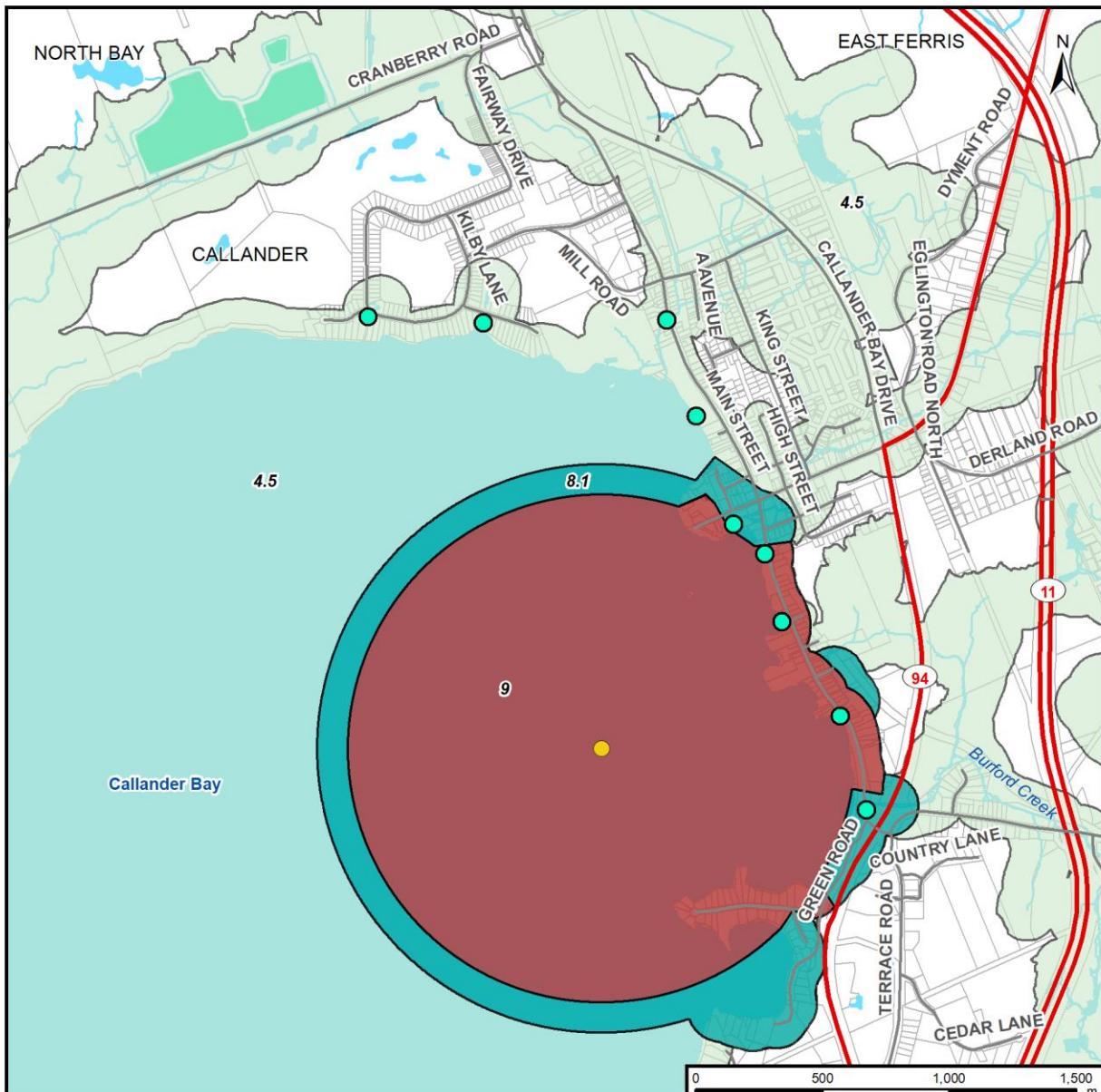


FIGURE 2-1
CALLANDER INTAKE
PROTECTION ZONE 1, 2, AND 3

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LEGEND

- STORM DRAIN
- INTAKE
- ROAD
- HIGHWAY
- WATERCOURSE
- WATERBODY
- LAGOON
- ASSESSMENT PARCEL

**INTAKE PROTECTION ZONE
(WITH VULNERABILITY SCORES)**

- IPZ-1
- IPZ-2
- IPZ-3

Note: see Schedule A for
entire IPZ-3 area.



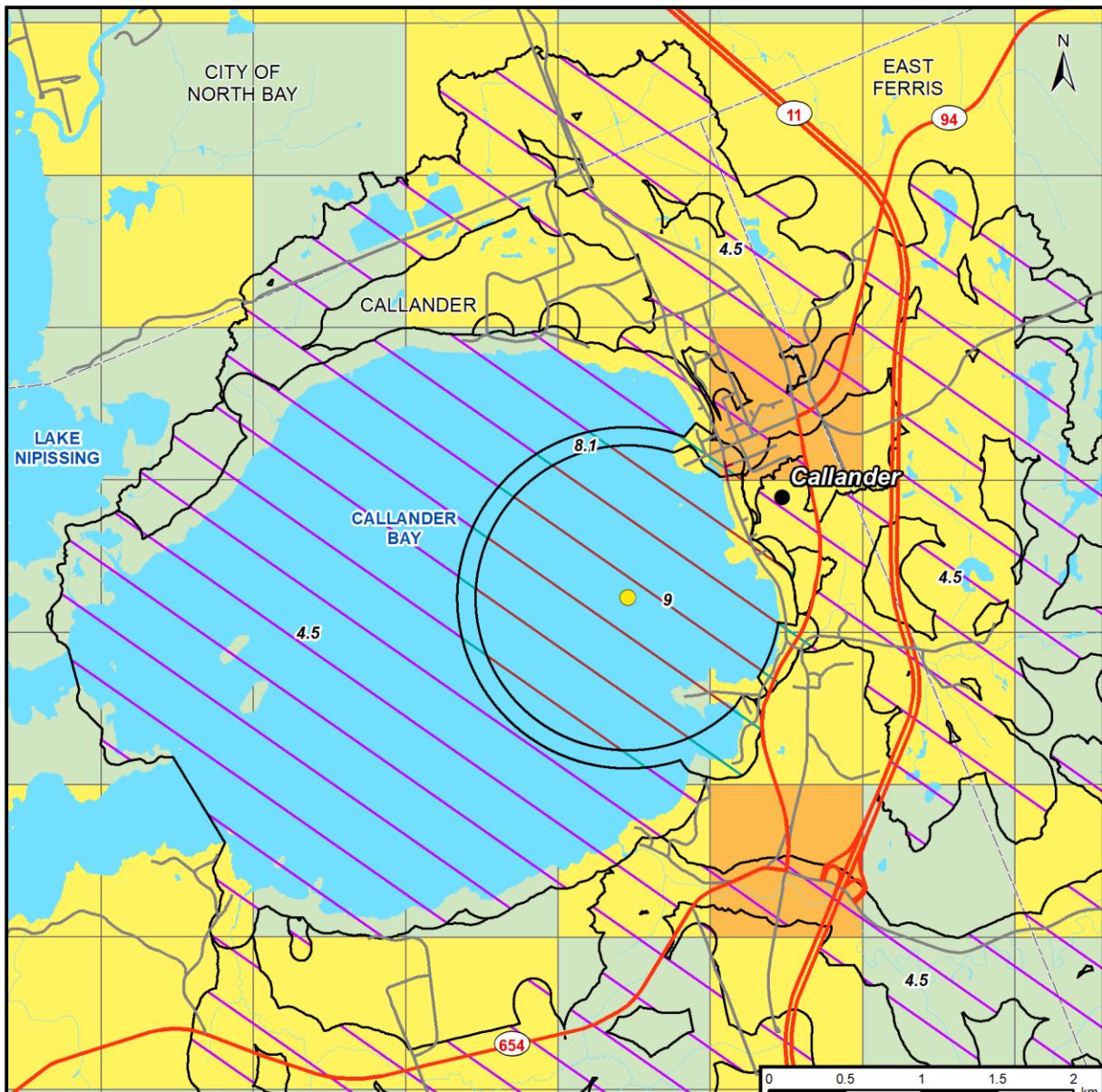


FIGURE 2-18
IMPERVIOUS SURFACE AREA
IN CALLANDER INTAKE
PROTECTION ZONE

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LEGEND

- CITY/TOWN/VILLAGE
- INTAKE
- HIGHWAY
- ROAD
- WATERCOURSE
- WATERBODY
- MUNICIPAL BOUNDARY
- IPZ-1 (with vulnerability score)
- IPZ-2 (with vulnerability score)

IMPERVIOUS SURFACE AREA (%)

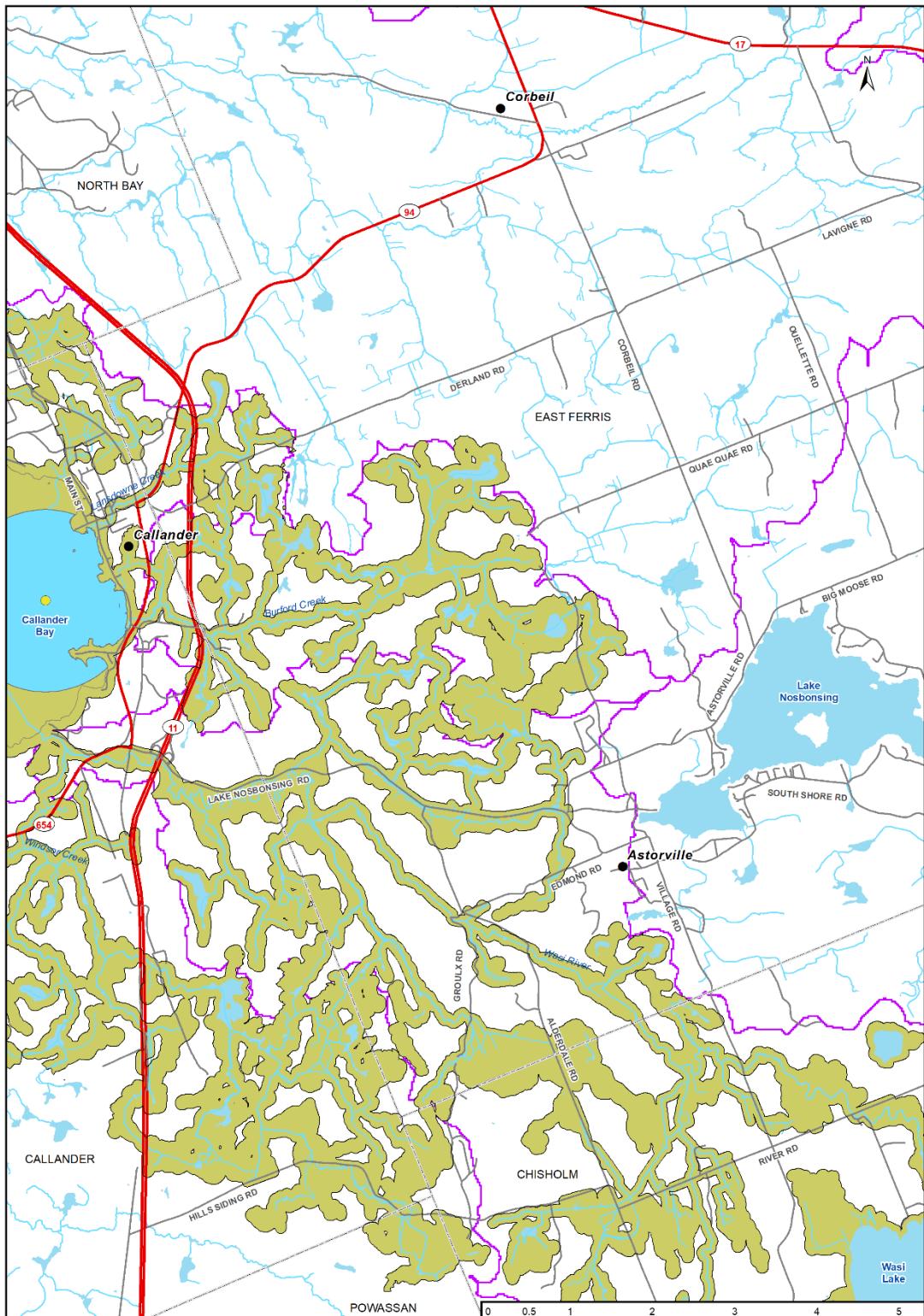
0.00 - 0.99
1.00 - 5.99
6.00 - 7.99
8.00 - 100.00
NO DATA

 NORTH BAY - MATTAWA
CONSERVATION
AUTHORITY

 DRINKING WATER
SOURCE PROTECTION
Our Actions Matter

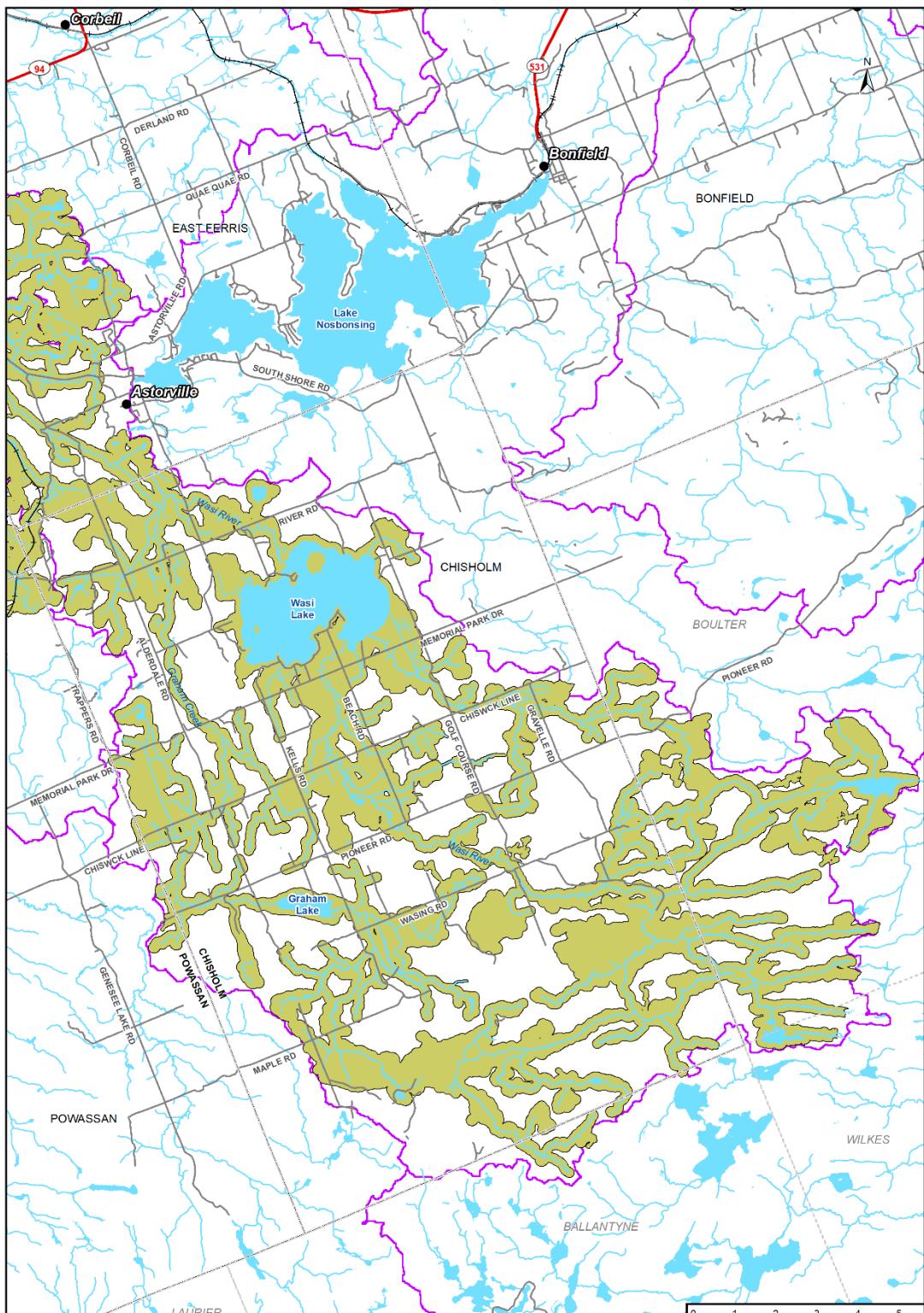


SCHEDULE A-1	LEGEND	NORTH BAY-MATTAWA CONSERVATION AUTHORITY
<p>CALLANDER INTAKE PROTECTION ZONE ISSUE CONTRIBUTING AREA WITHIN MUNICIPALITY OF CALLANDER</p> <p>© King's Printer for Ontario and its licensors. [2025] May Not be Reproduced without Permission. THIS IS NOT A PLAN OF SURVEY</p>	<p>INTAKE (Yellow dot)</p> <p>RAILWAY (Red line)</p> <p>ROAD (Black line)</p> <p>WATERCOURSE (Blue line)</p> <p>WATERBODY (Light blue area)</p> <p>LAGOON (Teal area)</p> <p>CALLANDER ISSUE CONTRIBUTING AREA (Light green area)</p>	<p>SUBWATERSHED BOUNDARY (Purple line)</p> <p>MUNICIPAL BOUNDARY (Grey line)</p> <p>UNORGANIZED TOWNSHIP (Dashed grey line)</p> <p>DRINKING WATER SOURCE PROTECTION Our Actions Matter</p>

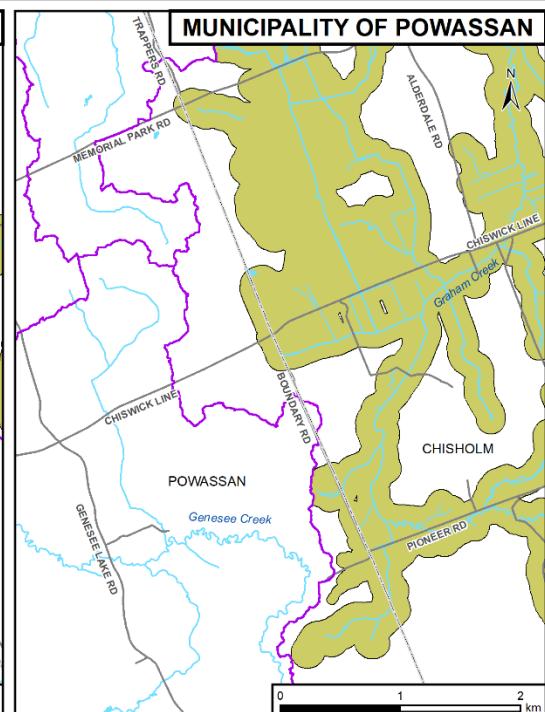
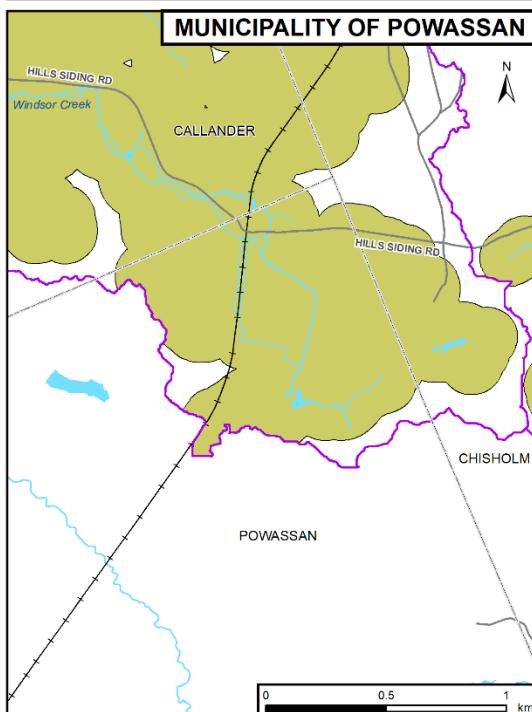
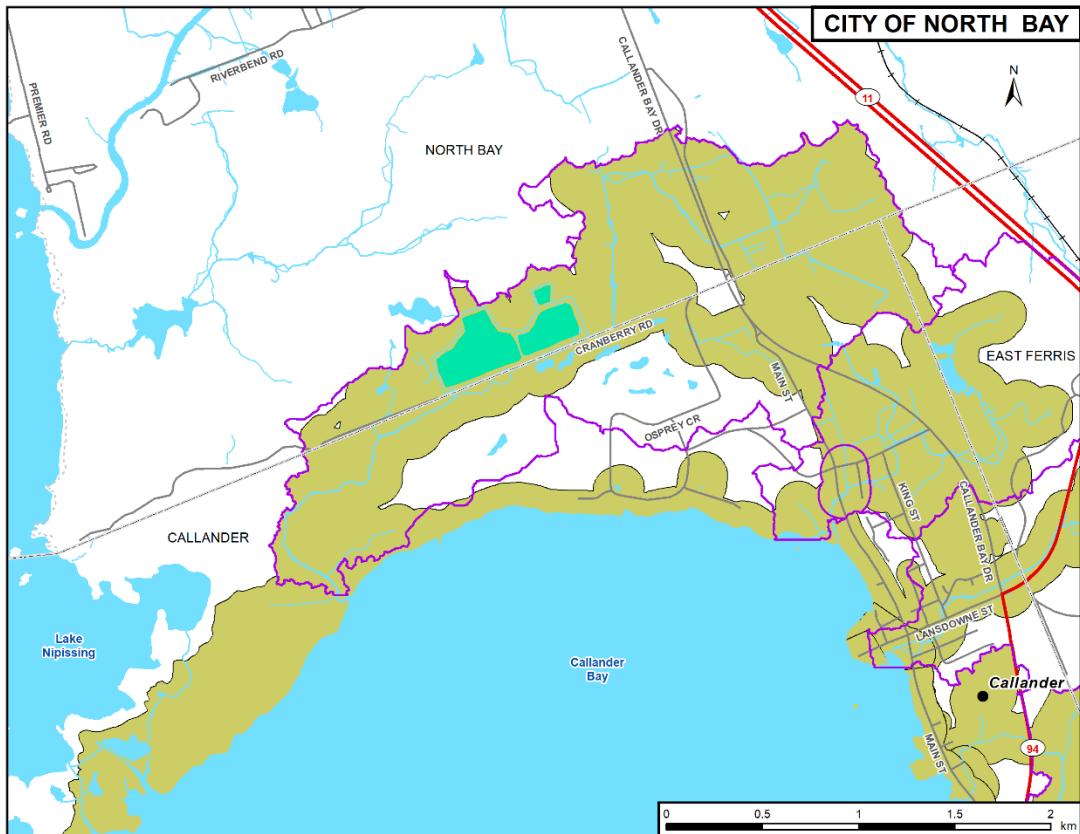


SCHEDULE A-4	LEGEND	NORTH BAY - MATTAWA CONSERVATION AUTHORITY
CALLANDER INTAKE PROTECTION ZONE ISSUE CONTRIBUTING AREA WITHIN MUNICIPALITY OF EAST FERRIS	<ul style="list-style-type: none"> ● INTAKE — RAILWAY — HIGHWAY — ROAD — WATERCOURSE — WATERBODY — MUNICIPAL BOUNDARY — SUBWATERSHED BOUNDARY 	 DRINKING WATER SOURCE PROTECTION Our Actions Matter

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SCHEDULE A-3	LEGEND	
CALLANDER INTAKE PROTECTION ZONE ISSUE CONTRIBUTING AREA WITHIN CHISHOLM TOWNSHIP AND UNORGANIZED TOWNSHIPS	<ul style="list-style-type: none"> ● INTAKE — RAILWAY — HIGHWAY — ROAD — WATERCOURSE — WATERBODY ■ MUNICIPAL BOUNDARY □ UNORGANIZED TOWNSHIP 	 CALLANDER INTAKE CONTRIBUTING AREA SUBWATERSHED BOUNDARY
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SCHEDULE A-2 CALLANDER INTAKE PROTECTION ZONE ISSUE CONTRIBUTING AREA WITHIN CITY OF NORTH BAY AND MUNICIPALITY OF POWASSAN <small>© King's Printer for Ontario and its licensors, [2025] May Not be Reproduced without Permission. THIS IS NOT A PLAN OF SURVEY</small>	LEGEND <ul style="list-style-type: none"> ● INTAKE — RAILWAY — HIGHWAY — ROAD — WATERCOURSE — WATERBODY — LAGOON ■ CALLANDER ISSUE CONTRIBUTING AREA <ul style="list-style-type: none"> — SUBWATERSHED BOUNDARY — MUNICIPAL BOUNDARY — UNORGANIZED TOWNSHIP 	 NORTH BAY-MATTAWA CONSERVATION AUTHORITY  DRINKING WATER SOURCE PROTECTION Our Actions Matter
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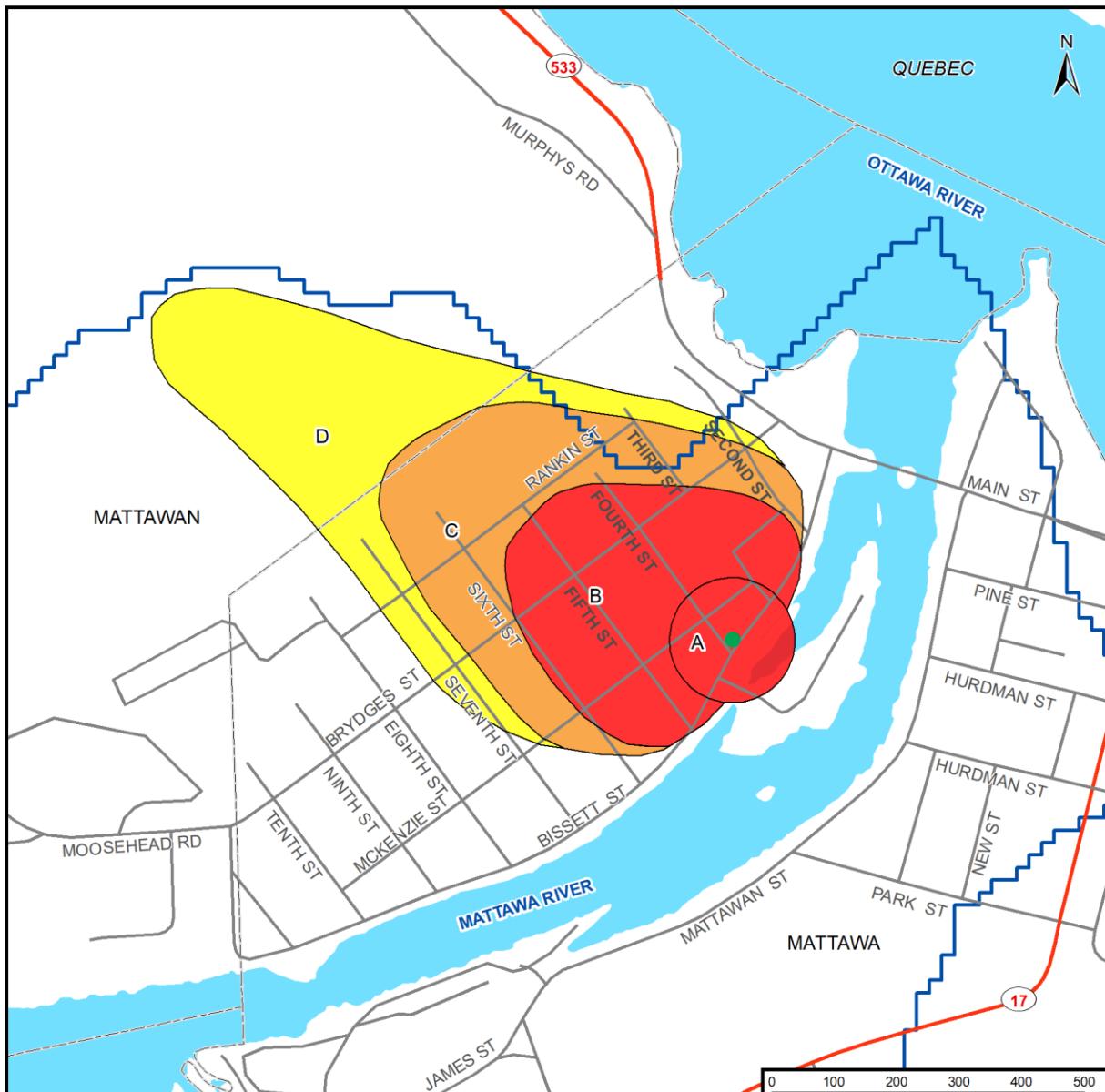


FIGURE 2-3

MATTAWA WELLHEAD
PROTECTION AREA
VULNERABILITY SCORES

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LEGEND

- WELL
- HIGHWAY
- ROAD
- WATERCOURSE
- WATERBODY
- MUNICIPAL BOUNDARY
- DWSP BOUNDARY

WELLHEAD PROTECTION AREA

VULNERABILITY SCORE

- 10
- 8
- 6

 NORTH BAY - MATTAWA
CONSERVATION
AUTHORITY

 DRINKING WATER
SOURCE PROTECTION
Our Actions Matter

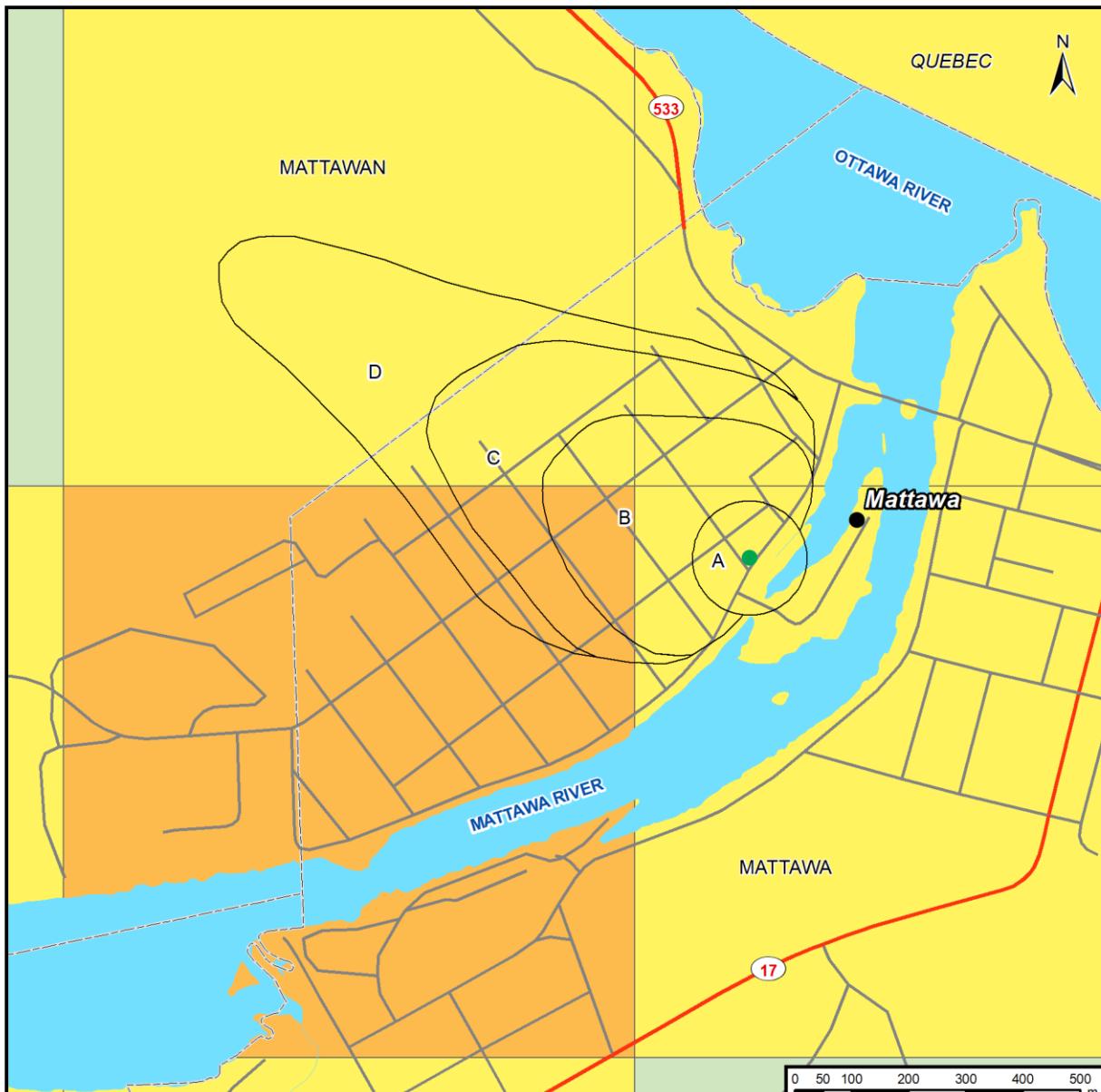


FIGURE 2-15
IMPERVIOUS SURFACE AREA
IN MATTAWA WELLHEAD
PROTECTION AREA

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LEGEND

- CITY/TOWN/VILLAGE
- WELL
- HIGHWAY
- ROAD
- WATERCOURSE
- WATERBODY
- WELLHEAD PROTECTION AREA
- MUNICIPAL BOUNDARY

IMPERVIOUS SURFACE AREA (%)
0.00 - 0.99
1.00 - 7.99
8.00 - 29.99
30.00 - 100.00



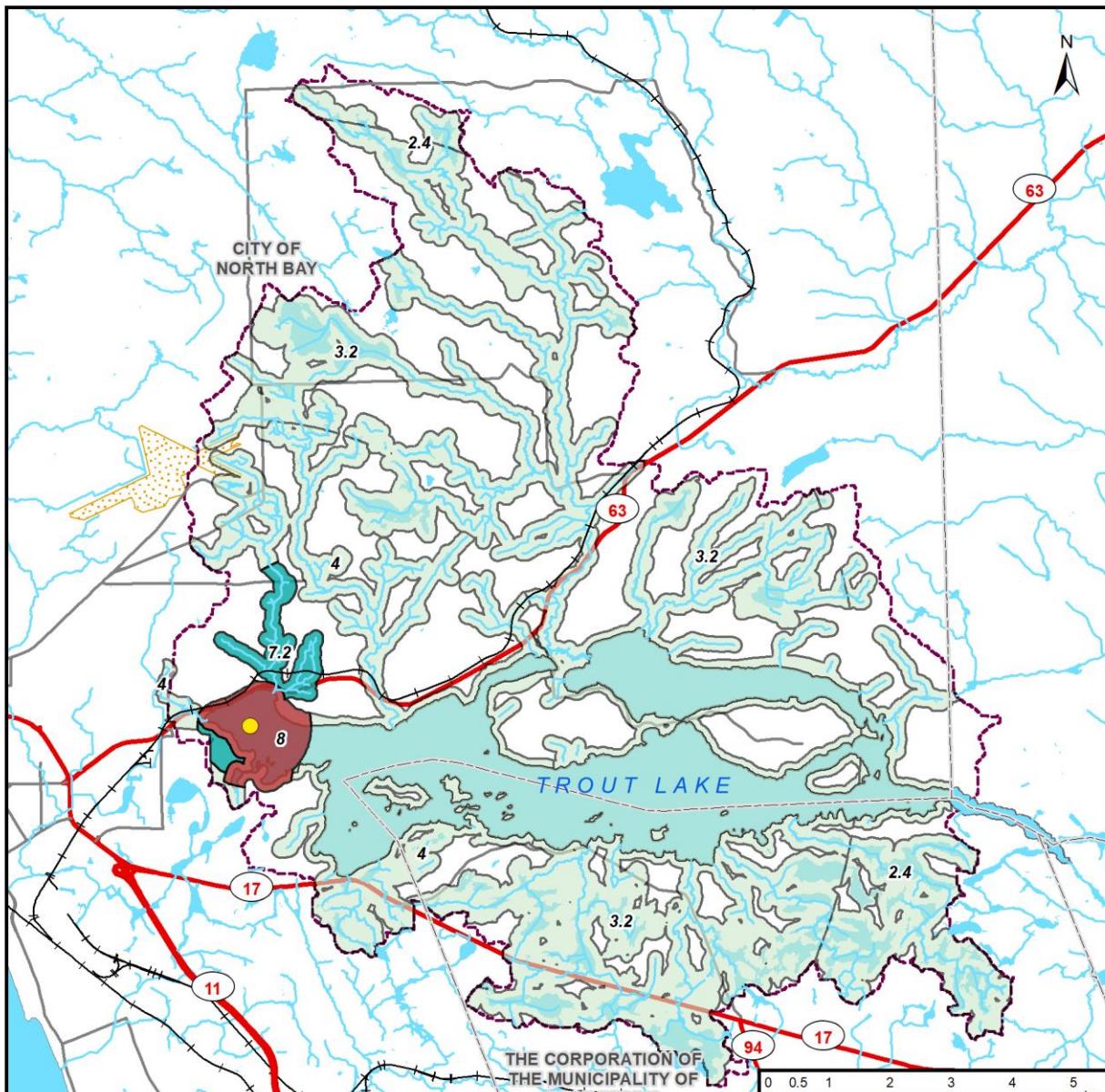


FIGURE 6-14

NORTH BAY INTAKE
PROTECTION ZONE AND
VULNERABILITY SCORES

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LEGEND

- INTAKE
- RAILWAY
- HIGHWAY
- ROAD
- WATERCOURSE
- WATERBODY
- MUNICIPALITY
- AIRPORT

**INTAKE PROTECTION ZONES
(WITH VULNERABILITY SCORES)**

- IPZ-1
- IPZ-2
- IPZ-3



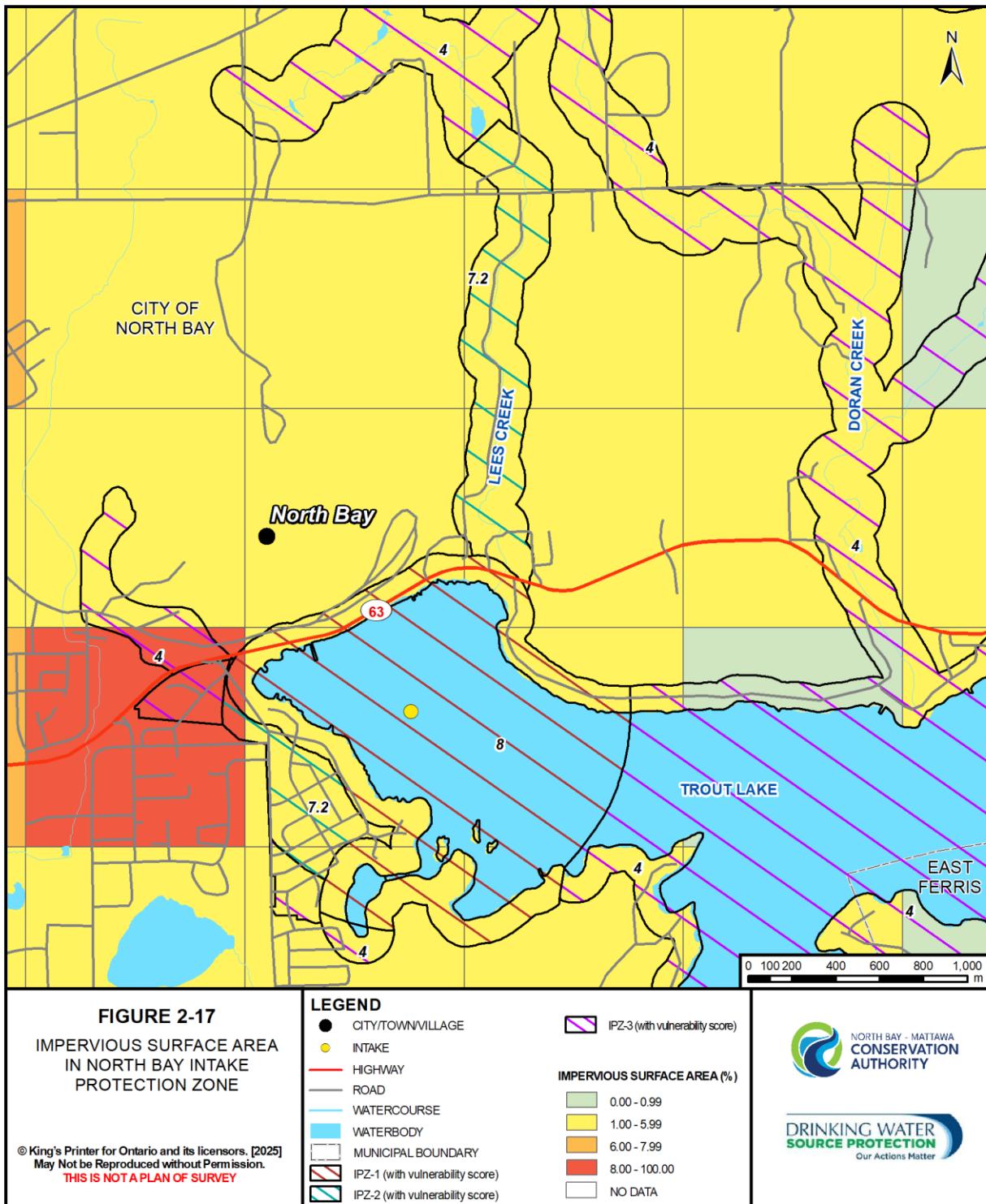


FIGURE 2-17
IMPERVIOUS SURFACE AREA
IN NORTH BAY INTAKE
PROTECTION ZONE

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FIGURE 2-5
POWASSAN WELLHEAD
PROTECTION AREA
AND VULNERABILITY SCORES

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LEGEND

- WELL
- HIGHWAY
- ROAD
- RAILWAY
- WATERCOURSE
- WATERBODY
- LAGOON
- MUNICIPAL BOUNDARY

WELLHEAD PROTECTION AREA

VULNERABILITY SCORES

10
8
6
4
2



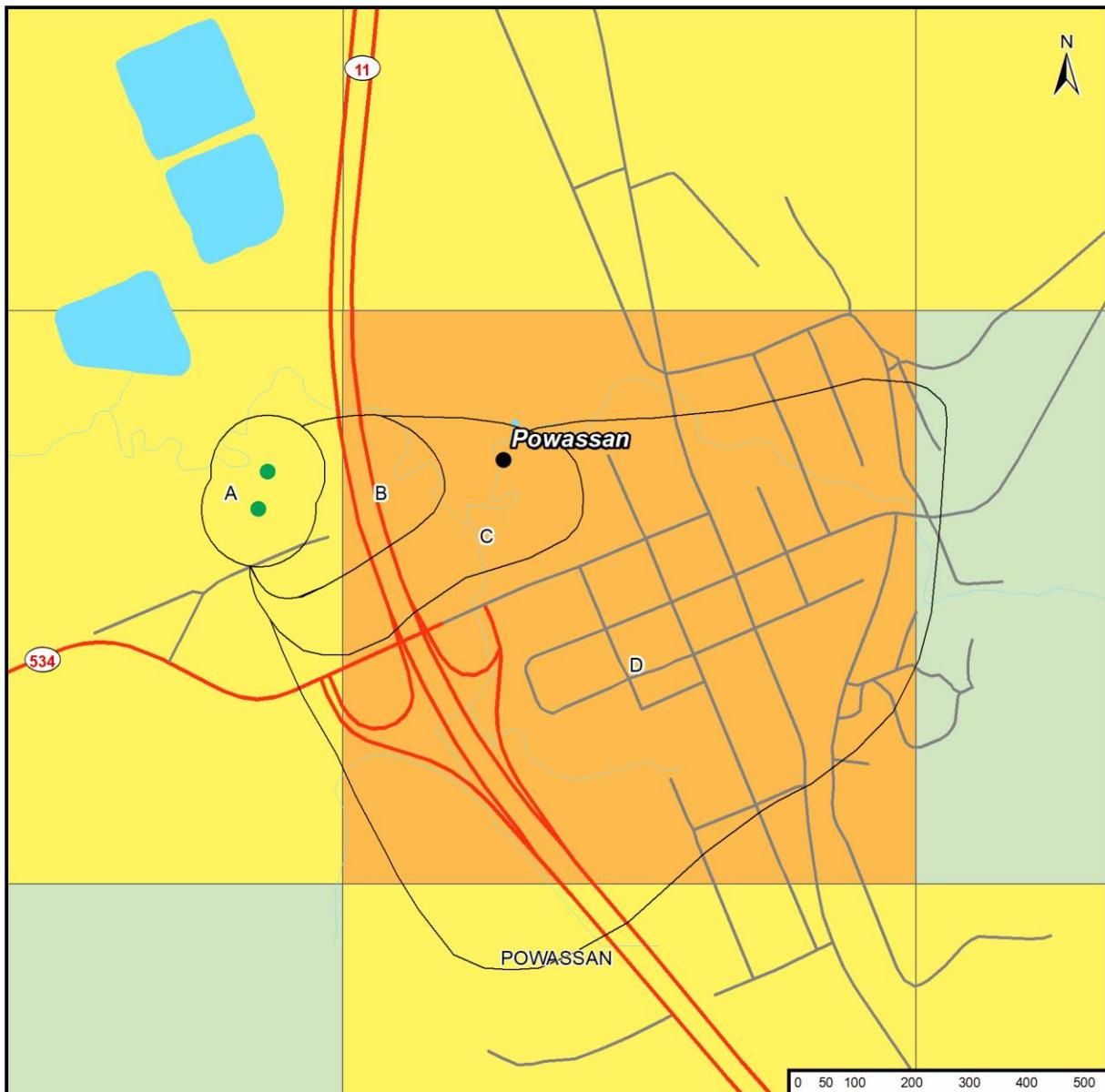


FIGURE 2-14
IMPERVIOUS SURFACE AREA
IN POWASSAN WELLHEAD
PROTECTION AREA

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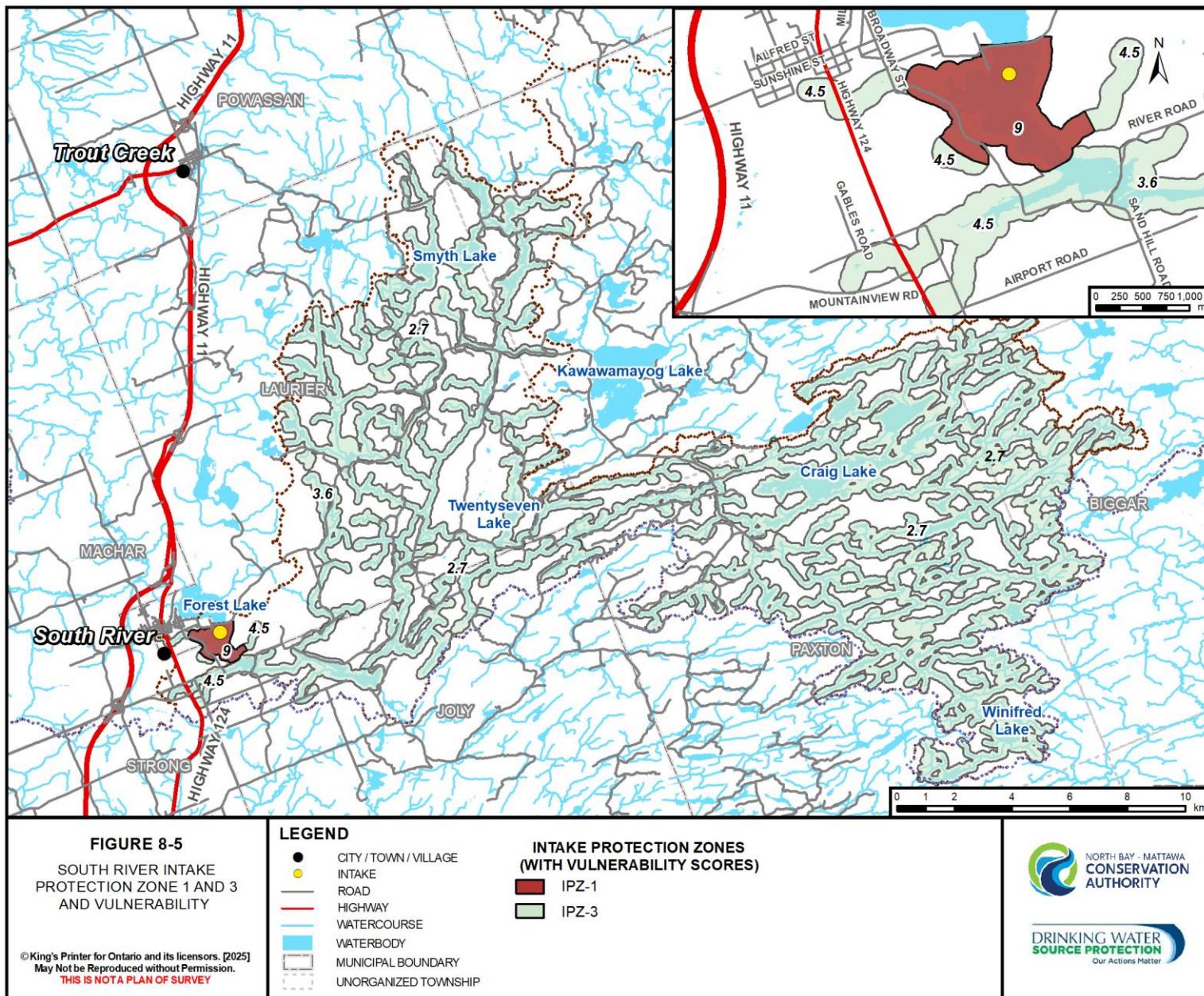
LEGEND

- CITY/TOWN/VILLAGE
- WELL
- HIGHWAY
- ROAD
- WATERCOURSE
- WATERBODY
- WELLHEAD PROTECTION AREA

IMPERVIOUS SURFACE AREA (%)
0.00 - 0.99
1.00 - 7.99
8.00 - 29.99
30.00 - 100.00

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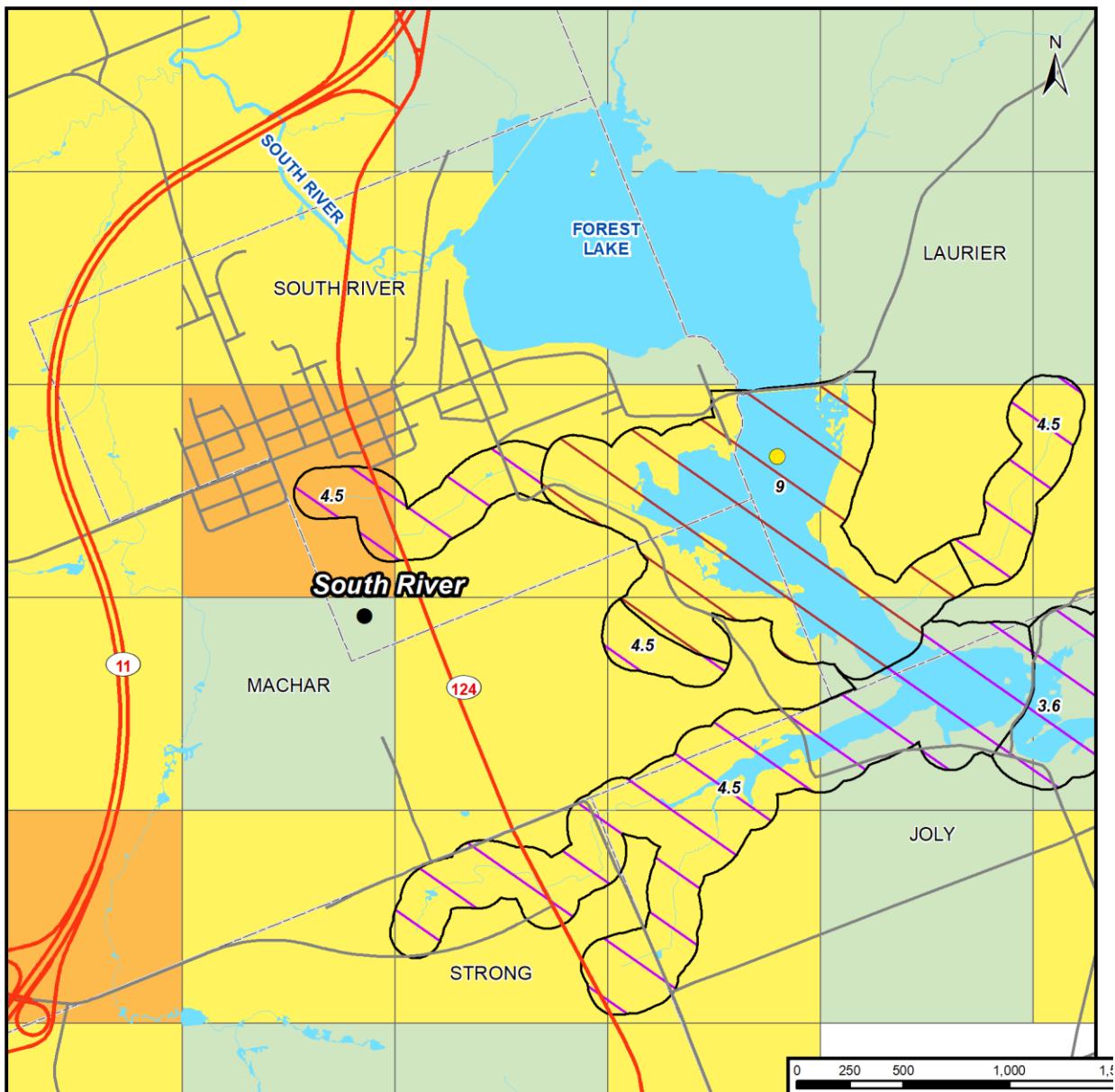


FIGURE 2-16
IMPERVIOUS SURFACE AREA
IN SOUTH RIVER INTAKE
PROTECTION ZONE

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LEGEND

- CITY/TOWN/VILLAGE
- INTAKE
- HIGHWAY
- ROAD
- WATERCOURSE
- WATERBODY
- MUNICIPAL BOUNDARY
- IPZ 1 (with vulnerability score)
- IPZ 3 (with vulnerability score)

IMPERVIOUS SURFACE AREA (%)
0.00 - 0.99
1.00 - 5.99
6.00 - 7.99
8.00 - 100.00

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