N

Lake Ontario

IPZ-1
0 NU / Acre

IPZ-2
0 NU / Acre

Hamilton

Grimsby

Lincoln

WINDEMERE RD
MCCOLLUM RD
N SERV RD
LIDO DR
E ST
RICHMOND CRES
CREANONA BLVD
PVT RD
PVT RD
LOCKPORT WAY
RIVIERA RIDGE
QUEEN ELIZABETH WAY
CONSTELLATION DR
SERV RD
BASELINE RD
KELSON AVE
ORIOLE AVE
LEWIS RD
W AVE
WINONA RD
BARTON ST
HWY 8
HELENA AVE
GLENHOLME AVE
LORADO DR
CONC RD
MILLIKIN DR
50 RD
BRIDGMAN LANE
KELSON AVE N
S SERV RD
N SERV RD W
WINSTON RD
WINDWARD DR
TOPS DR
OAKES RD S
INDUSTRIAL DR
HUNTER RD
ELMER ST
LEAWOOD DR
KELSON AVE
CLINE MTN RD
VINE RD
EMILY ST
CASABLANCA BLVD
GEORGE ST
ASPEN DR
BEECH ST
LIVINGSTON AVE
GN DR
ROBERTS RD
FARRELL DR
KERMAN AVE
WOOLVERTON RD
MAIN ST W
RIDGE RD W
QUARRY RD
KIDD AVE
ST ANDREWS AVE
NELLES BLVD
MURRAY ST
PATTON ST
CHRISTIE ST
MTN ST
ROSSLYN AVE
ROBINSON ST S
CHERRYHILL DR
ORCH PKY
VIKING DR
OLIVE ST
N SERV RD W
QEW HWY
S SERV RD W
LAKESIDE DR
DIANA AVE
STEWART ST
FAIRVIEW RD
ELIZABETH ST
ONTARIO ST
JOHN ST
IVAN AVE
MAPLE AVE
PALMER RD
SUMNER CRES
CLARKE ST
BIRCHPARK DR
NELLES RD N
MAIN ST E
MCNAB DR
BAKER RD N
MARILYN ST
PK RD N
CENTRAL AVE
MARLOW AVE
FAIR AVE
BARTLETT AVE
LK ST
BAL HARBR DR
BLEZARD DR
QEW HWY
N SERV RD
S SERV RD
BOOK RD
PVT RD
RIDGE RD
RIDGE RD W
ROCKCHAPEL RD
SYDNEY RD
PVT RD

1:33,000
0 0.125 0.25 0.5 0.75 1
Kilometers

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Legend

- International Boundary
- Major Highways
- Highways
- Roads
- Watercourse
- Ponds, Reservoirs, Lakes
- Extended Context Area
- Niagara Peninsula Source Water Protection Area
- Lower Tier Municipality
- Upper Tier Municipality

Livestock Density (NU / Acre)

- < 0.5
- 0.5 - 1.0
- > 1.0
- IPZ Extent



DRINKING WATER SOURCE PROTECTION
ACT FOR CLEAN WATER

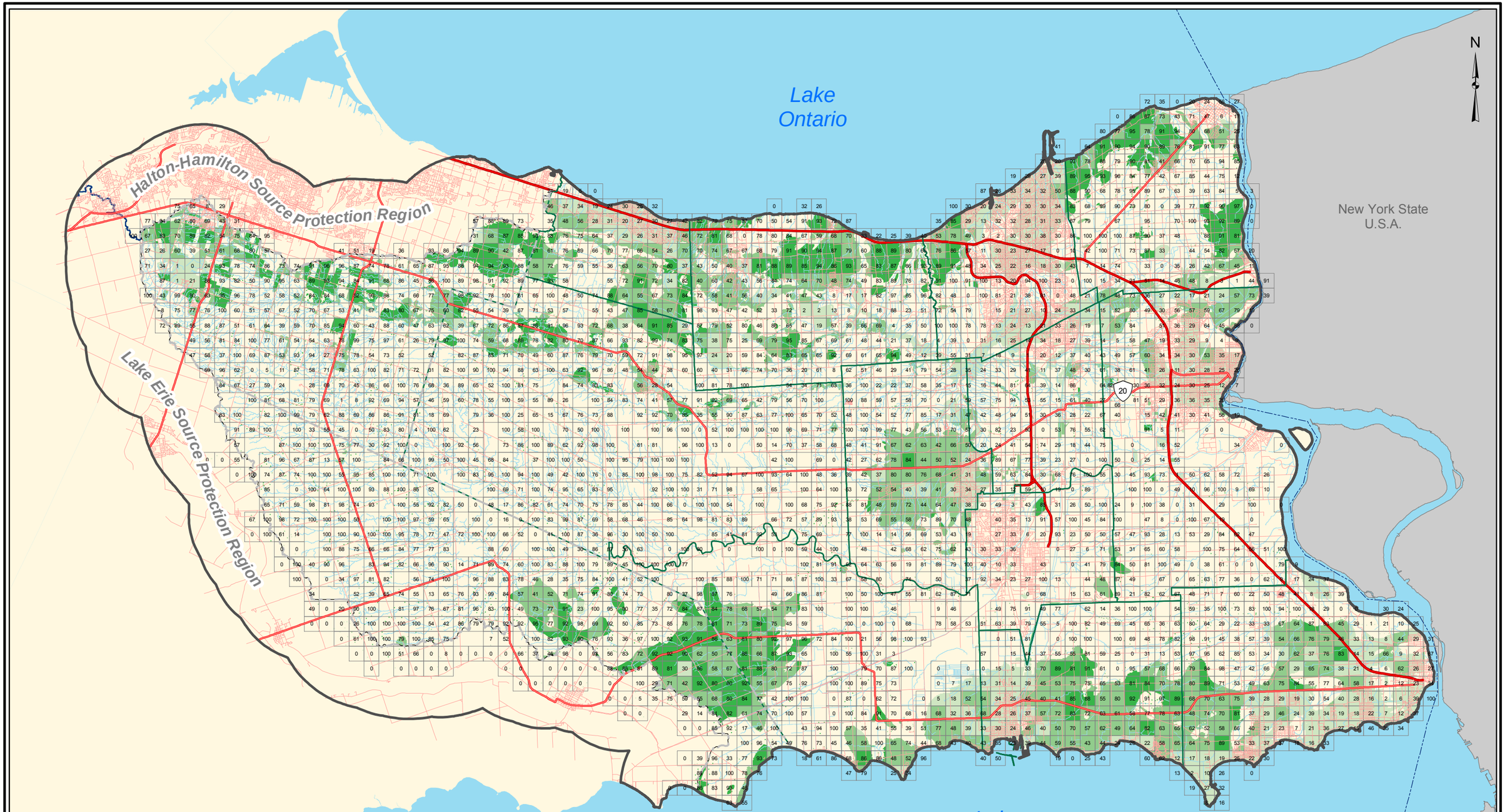
NPSPA Assessment Report

Figure 2.14l: Livestock Density - Grimsby

NIAGARA PENINSULA CONSERVATION AUTHORITY

Thursday, July 14, 2011

Ontario



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Legend

- International Boundary
- Major Highways
- Highways
- Roads
- Watercourse
- Ponds, Reservoirs, Lakes
- Extended Context Area
- Niagara Peninsula Source Water Protection Area
- Lower Tier Municipality
- Upper Tier Municipality
- 1 km² Grid

% Managed by 1 km²

- < 40
- 40.0 - 80.0
- 80.1 - 100.0



DRINKING WATER SOURCE PROTECTION
ACT FOR CLEAN WATER

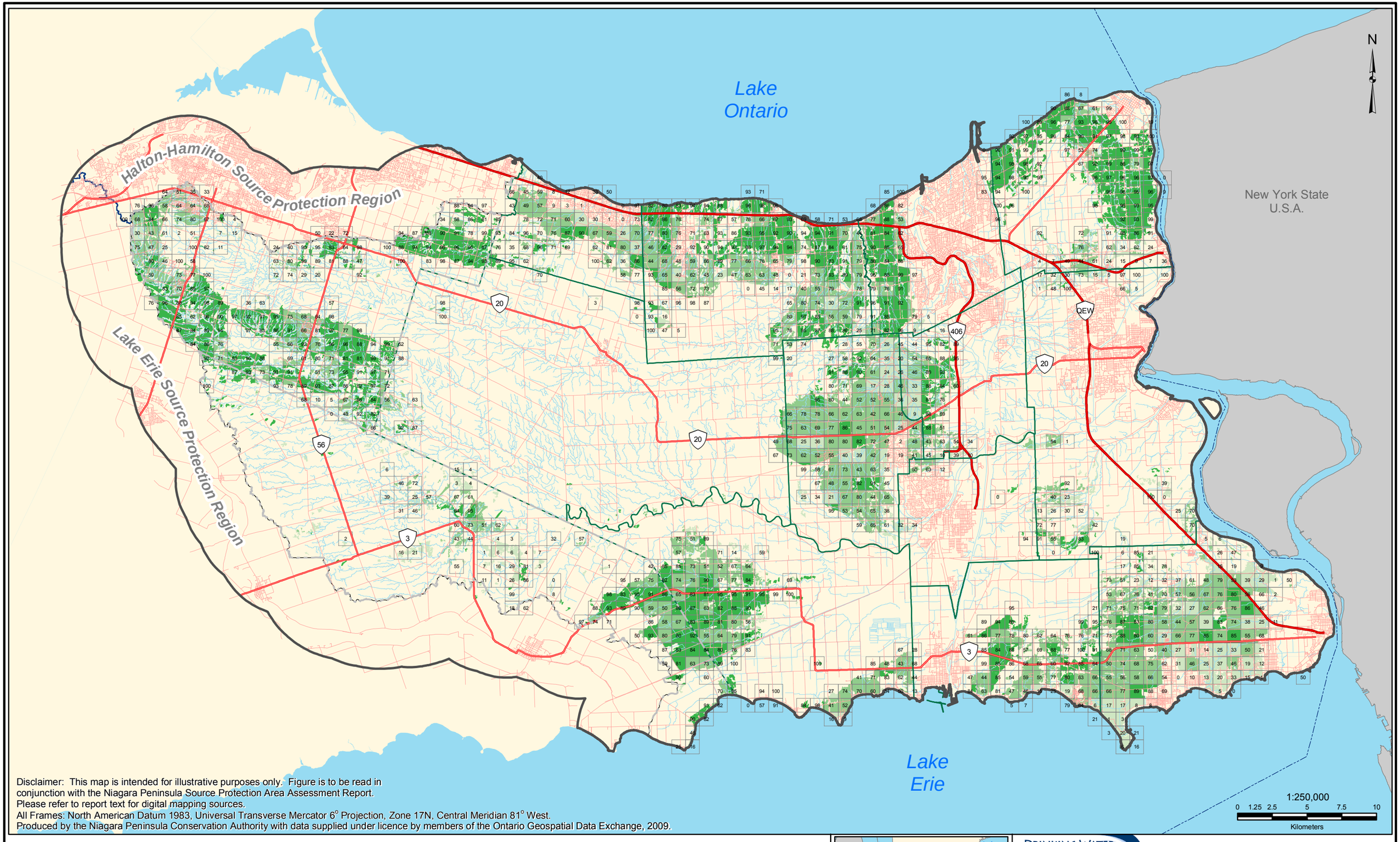
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Figure 2.15 Managed Lands - Highly Vulnerable Aquifers

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1:250,000
0 1.25 2.5 5 7.5 10
Kilometers

Legend

- International Boundary
- Major Highways
- Highways
- Roads
- Watercourse
- Ponds, Reservoirs, Lakes
- Extended Context Area
- Niagara Peninsula Source Water Protection Area
- Lower Tier Municipality
- Upper Tier Municipality
- 1 km² Grid

% Managed by 1 km²
- < 40
- 40.0 - 80.0
- 80.1 - 100.0



DRINKING WATER SOURCE PROTECTION
ACT FOR CLEAN WATER

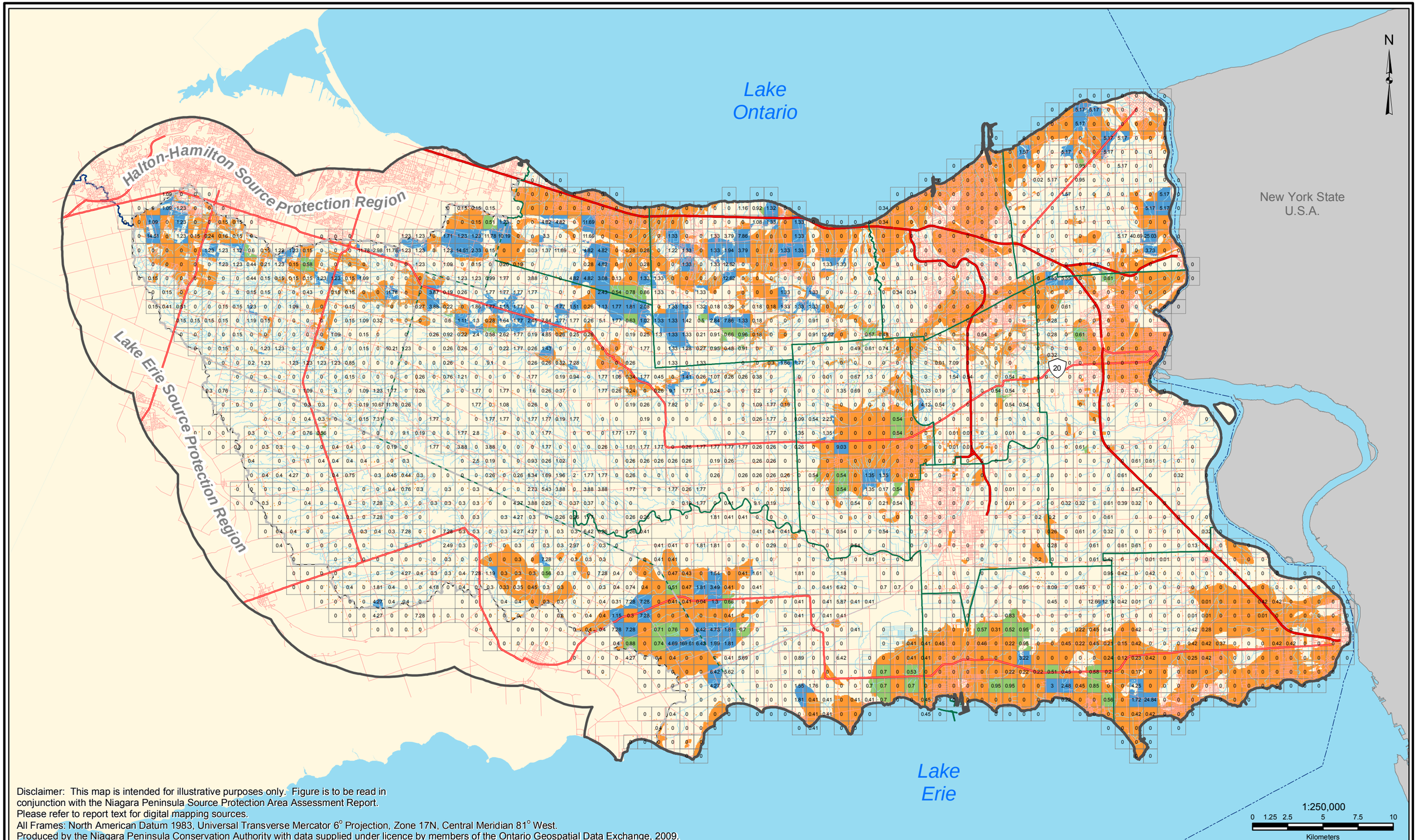
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Figure 2.16 Managed Lands - Significant Groundwater Recharge Areas

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Legend

- International Boundary
- Major Highways
- Highways
- Roads
- Watercourse
- Ponds, Reservoirs, Lakes
- Extended Context Area
- Niagara Peninsula Source Water Protection Area
- Lower Tier Municipality
- Upper Tier Municipality
- 1 km² Grid

Nutrient Units per Acre of Cropland in 1 km²

- < 0.5
- 0.5 - 1.0
- > 1.0



DRINKING WATER SOURCE PROTECTION — ACT FOR CLEAN WATER

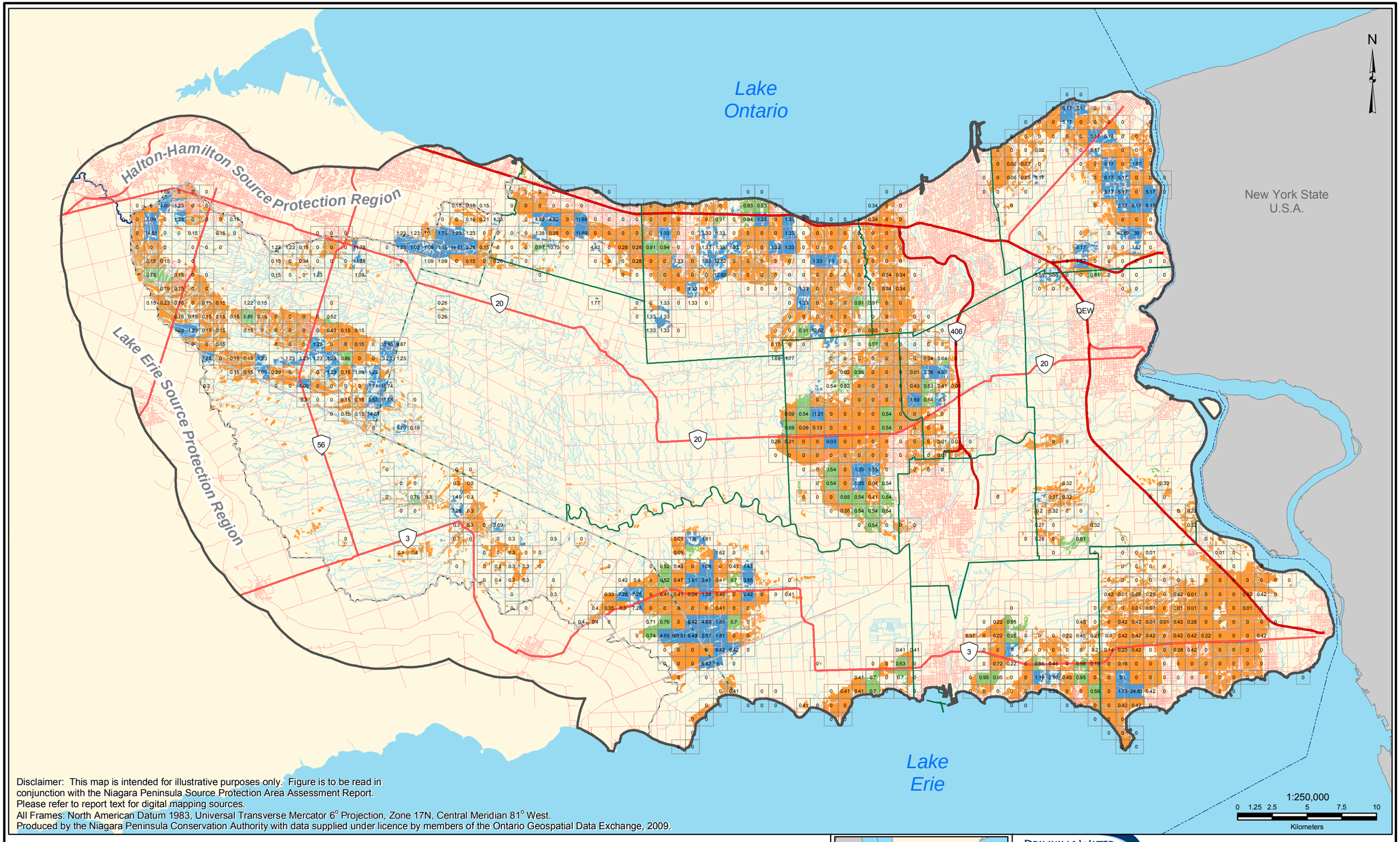
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Figure 2.17 Livestock Density - Highly Vulnerable Aquifers

NIAGARA PENINSULA CONSERVATION AUTHORITY

Thursday, July 14, 2011

Ontario



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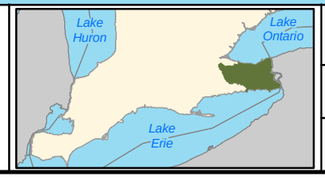
1:250,000
0 1.25 2.5 5 7.5 10
Kilometers

Legend

- International Boundary
- Major Highways
- Highways
- Roads
- Watercourse
- Ponds, Reservoirs, Lakes
- Extended Context Area
- Niagara Peninsula Source Water Protection Area
- Lower Tier Municipality
- Upper Tier Municipality
- 1 km² Grid

Nutrient Units per Acre of Cropland in 1 km²

- < 0.5
- 0.5 - 1.0
- > 1.0



DRINKING WATER SOURCE PROTECTION — ACT FOR CLEAN WATER

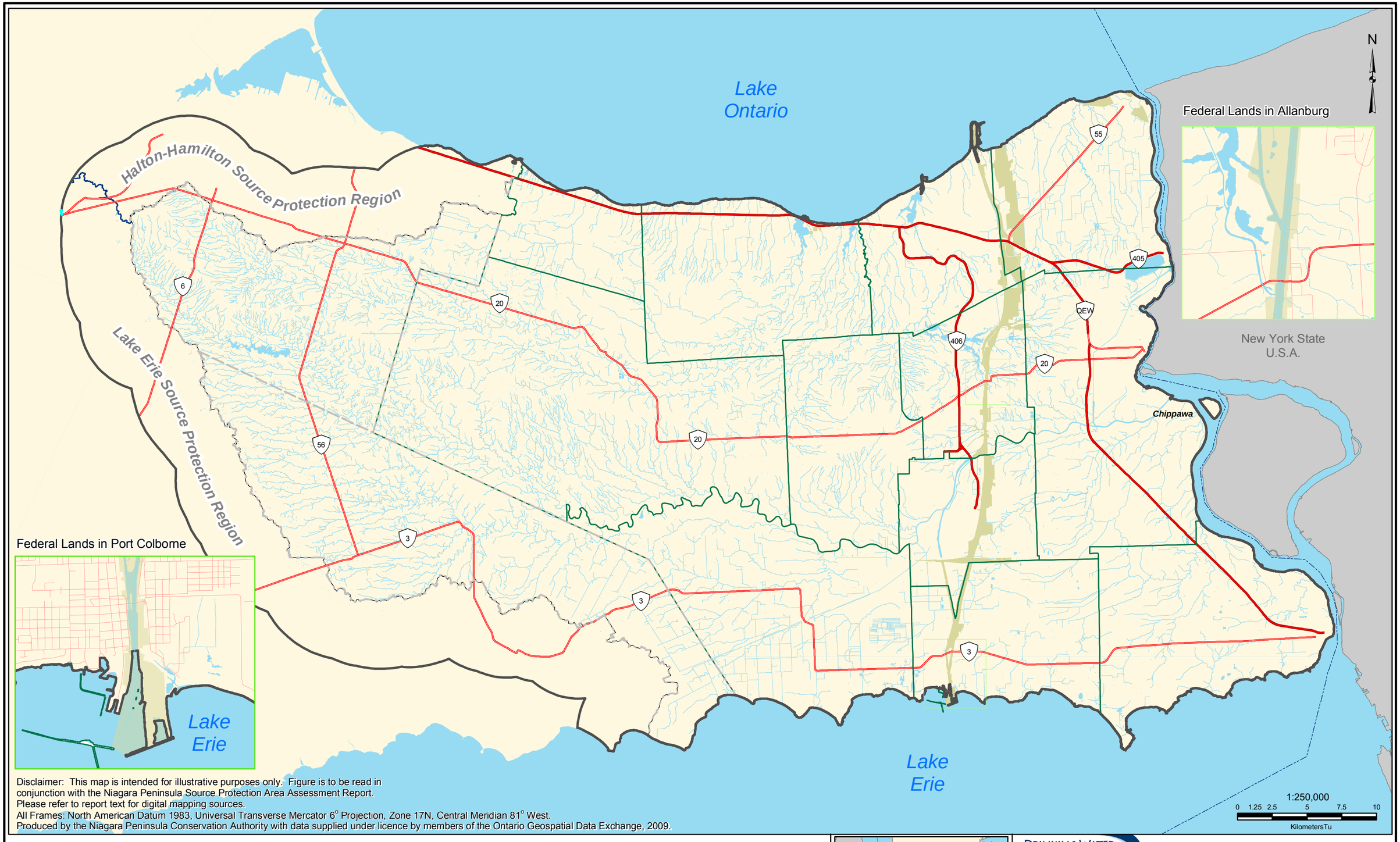
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Figure 2.18 Livestock Density - Significant Groundwater Recharge Areas

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Thursday, July 14, 2011

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Legend

- International Boundary
- Major Highways
- Highways
- Roads
- Watercourse
- Ponds, Reservoirs, Lakes
- Extended Context Area
- Niagara Peninsula Source Water Protection Area
- Lower Tier Municipality
- Upper Tier Municipality
- Federal Lands



DRINKING WATER SOURCE PROTECTION — ACT FOR CLEAN WATER

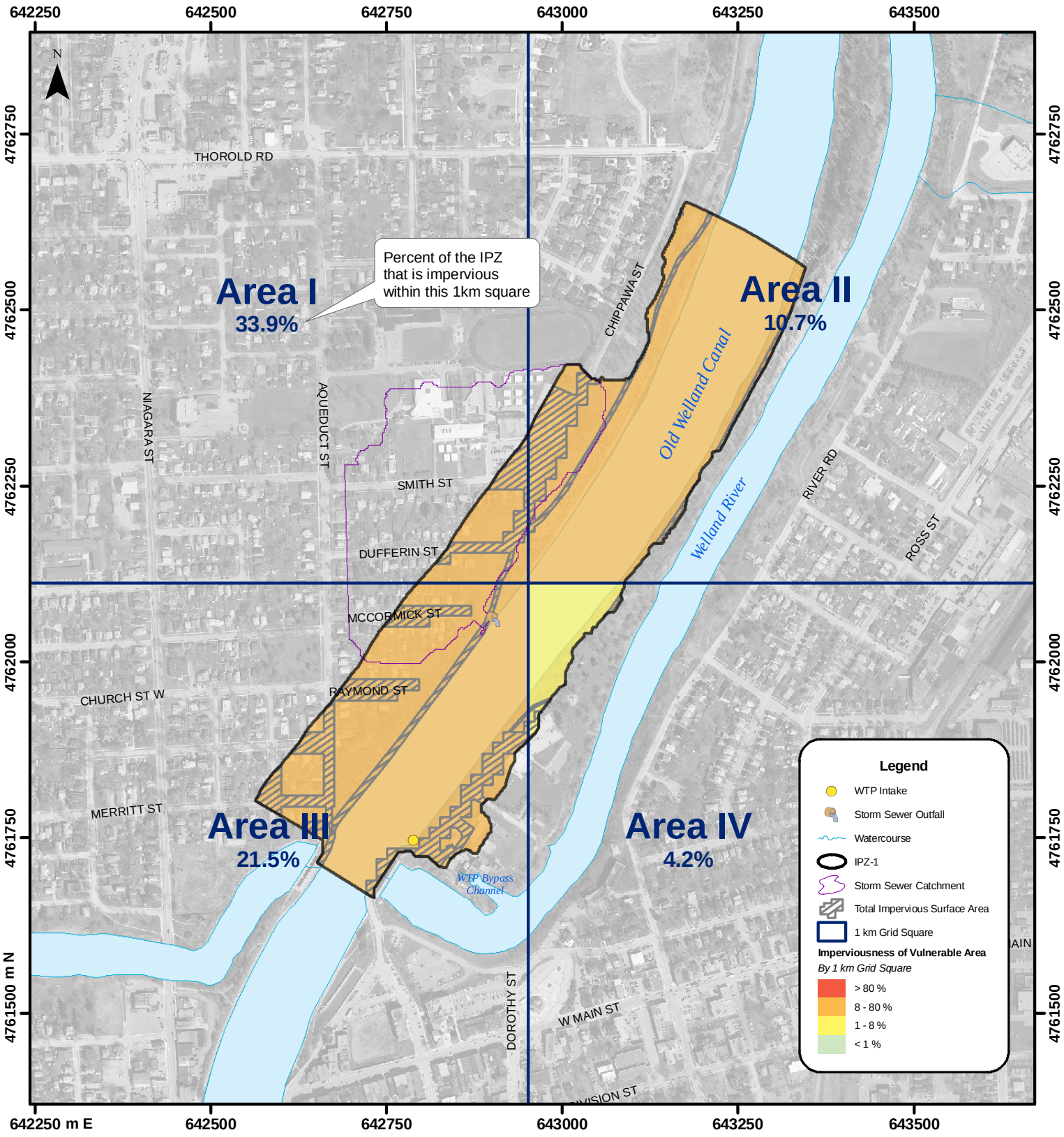
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Figure 2.19: Federal Lands

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Thursday, July 14, 2011

Ontario



Notes:

The CWA Technical Rules define "total impervious surface area" as the surface area of all highways and other impervious land surfaces used for vehicular traffic and parking, and all pedestrian paths.

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Hydrology courtesy of Niagara Peninsula Conservation Authority.
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Projection: UTM Zone 17N, NAD 1983

100 0 100 200 300 400 m

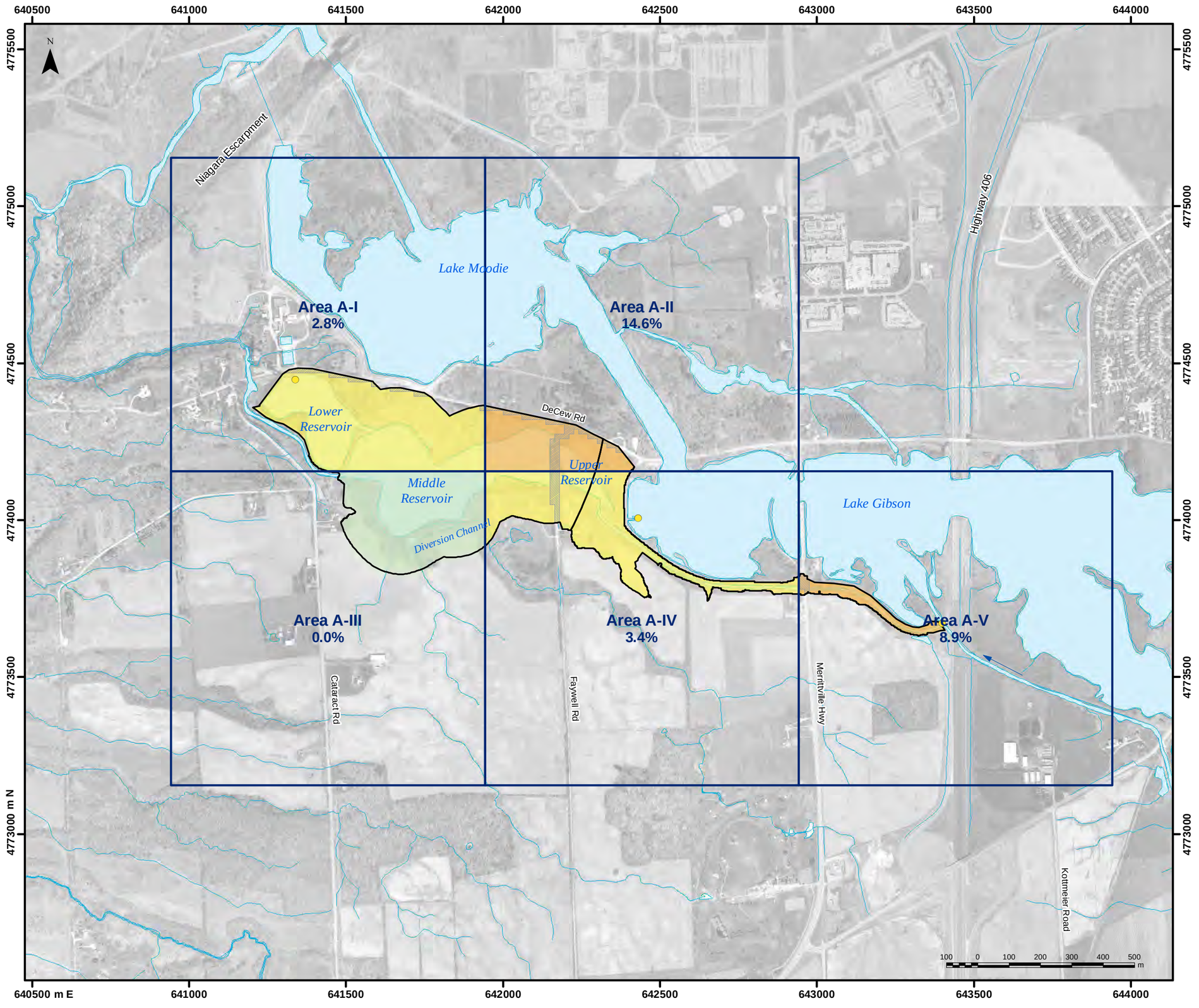
Project

Niagara Peninsula Source Protection Area Assessment Report

Figure No.	Revision No.	Date
2.20	**1**	**July 14, 2011**

Title

Total Impervious Area Within Each Square Kilometre of Vulnerable Areas - Welland



DRINKING WATER SOURCE PROTECTION
Niagara Peninsula Source Protection Area

NIAGARA PENINSULA CONSERVATION AUTHORITY

Ontario

Legend

- Intake
- Watercourse
- Vulnerable Zone
- Impervious Surface Area
- 1 km Grid Square

Total Impervious Surface Area

By 1 km Square

- > 80 %
- 8 - 80 %
- 1 - 8 %
- < 1 %

Notes:

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Projection: UTM Zone 17N, NAD 1983

Project

Niagara Peninsula Source Protection Area Assessment Report

Figure No.	Revision No.	Date
2.21	**2**	**July 14, 2011**

Title

Total Impervious Area Within Each Square Kilometre of Vulnerable Areas - Main Intake DeCew