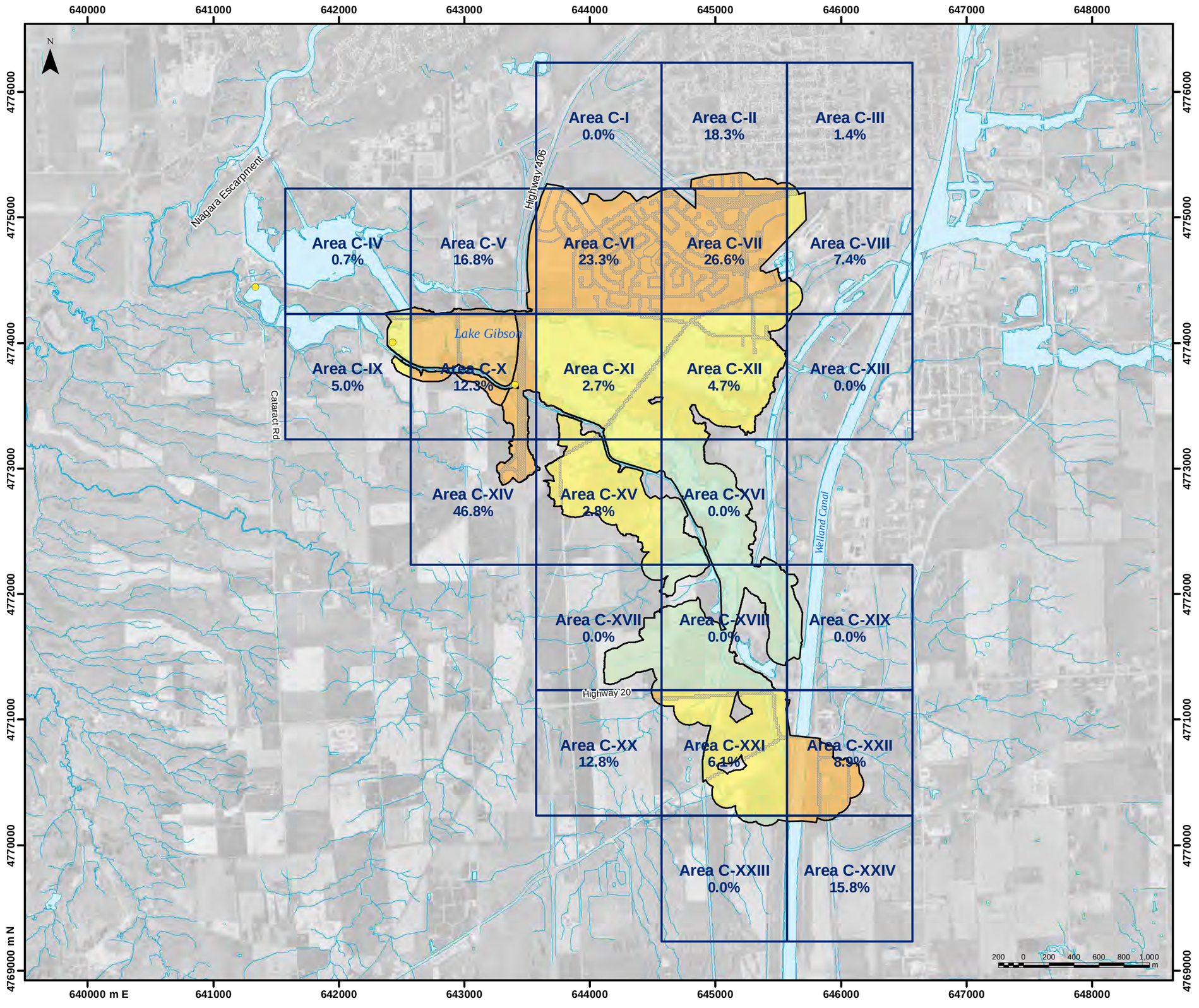


DRINKING WATER SOURCE PROTECTION
Niagara Peninsula Source Protection Area

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:

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. Landcover from Southern Ontario Land Resources Inventory System, used under license with the Ontario Ministry of Natural Resources. Imagery © Niagara Region and Google Earth. Hydrology courtesy of Niagara Peninsula Conservation Authority.
Copyright © 2011 Stantec Consulting Ltd.
Projection: UTM Zone 17N, NAD 1983

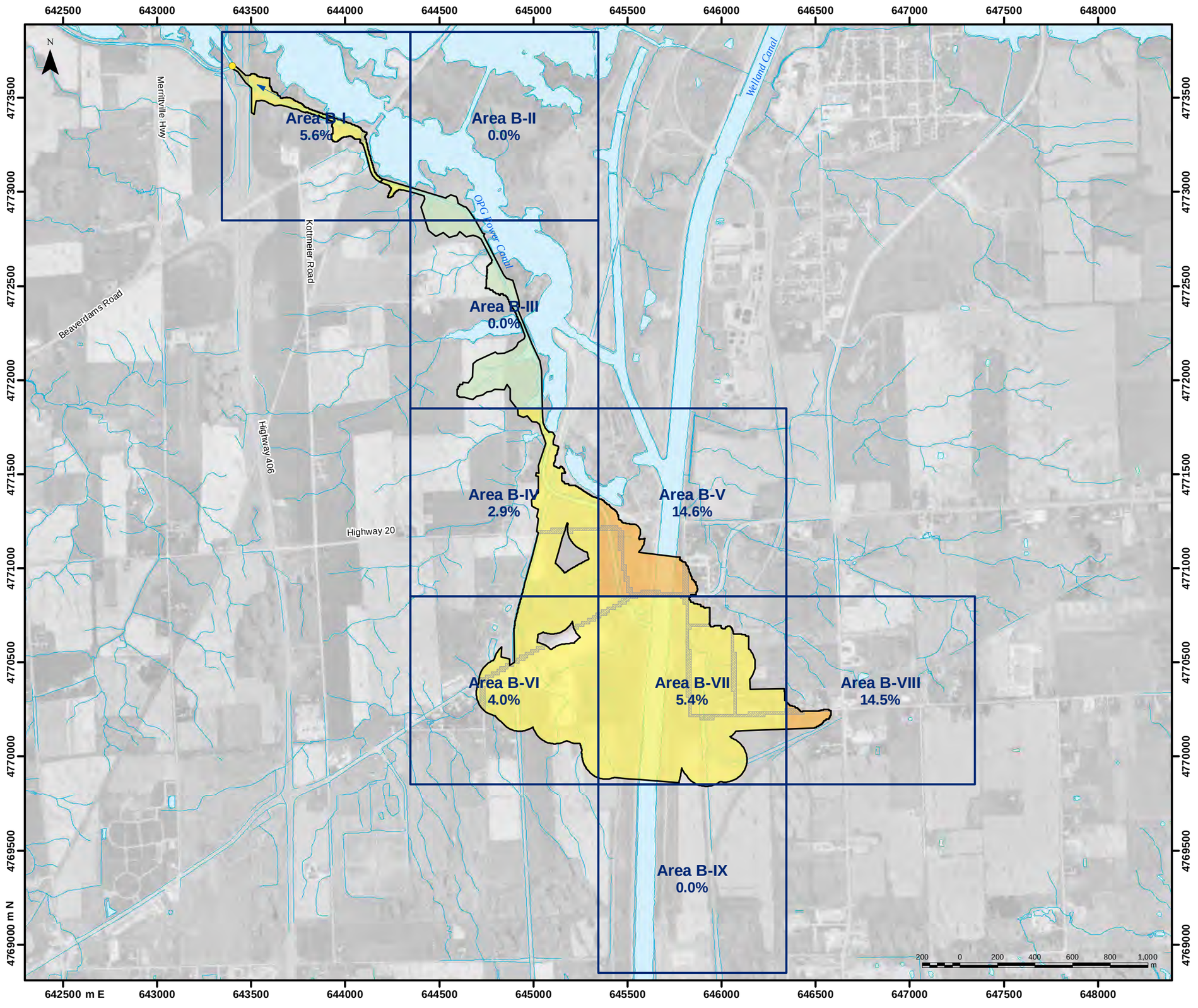
Project

Niagara Peninsula Source Protection Area Assessment Report

Figure No.	Revision No.	Date
2.22	**2**	**July 14, 2011**

Title

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



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:

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. Landcover from Southern Ontario Land Resources Inventory System, used under license with the Ontario Ministry of Natural Resources. Imagery © Niagara Region and Google Earth. Hydrology courtesy of Niagara Peninsula Conservation Authority. Copyright © 2011 Stantec Consulting Ltd.
Projection: UTM Zone 17N, NAD 1983

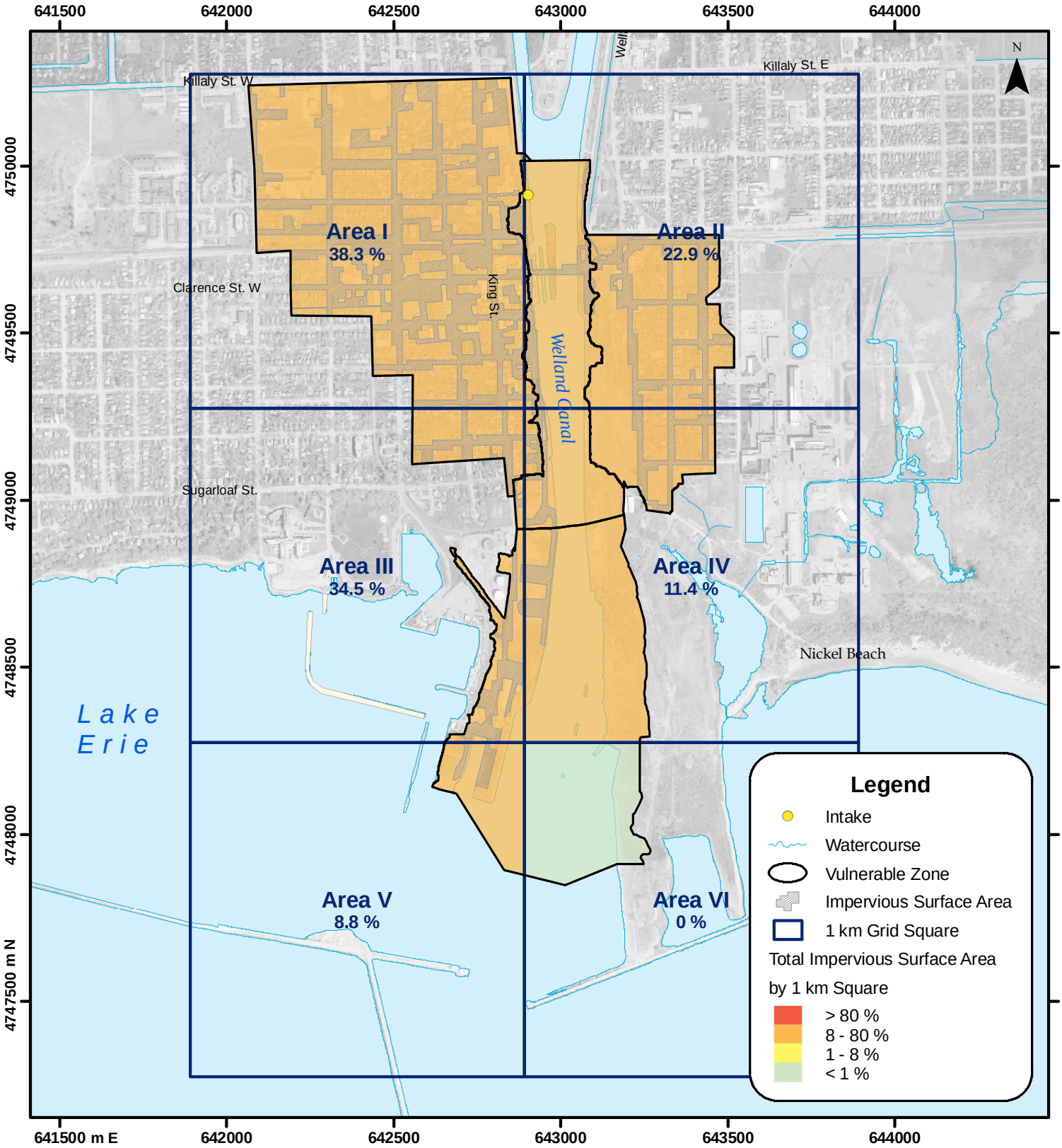
Project

Niagara Peninsula Source Protection Area Assessment Report

Figure No.	Revision No.	Date
2.23	**2**	**July 14, 2011**

Title

Total Impervious Area Within Each Square Kilometre of Vulnerable Areas - Hwy 406 Control Structure DeCew



Ontario

DRINKING WATER SOURCE PROTECTION

NIAGARA PENINSULA CONSERVATION AUTHORITY

Notes:

Imagery courtesy of Niagara Region.
Hydrology courtesy of Niagara Peninsula Conservation Authority.
Copyright © 2009 by Stantec Consulting Ltd.
Projection: UTM Zone 17N, NAD 1983

100 0 100 200 300 400 m

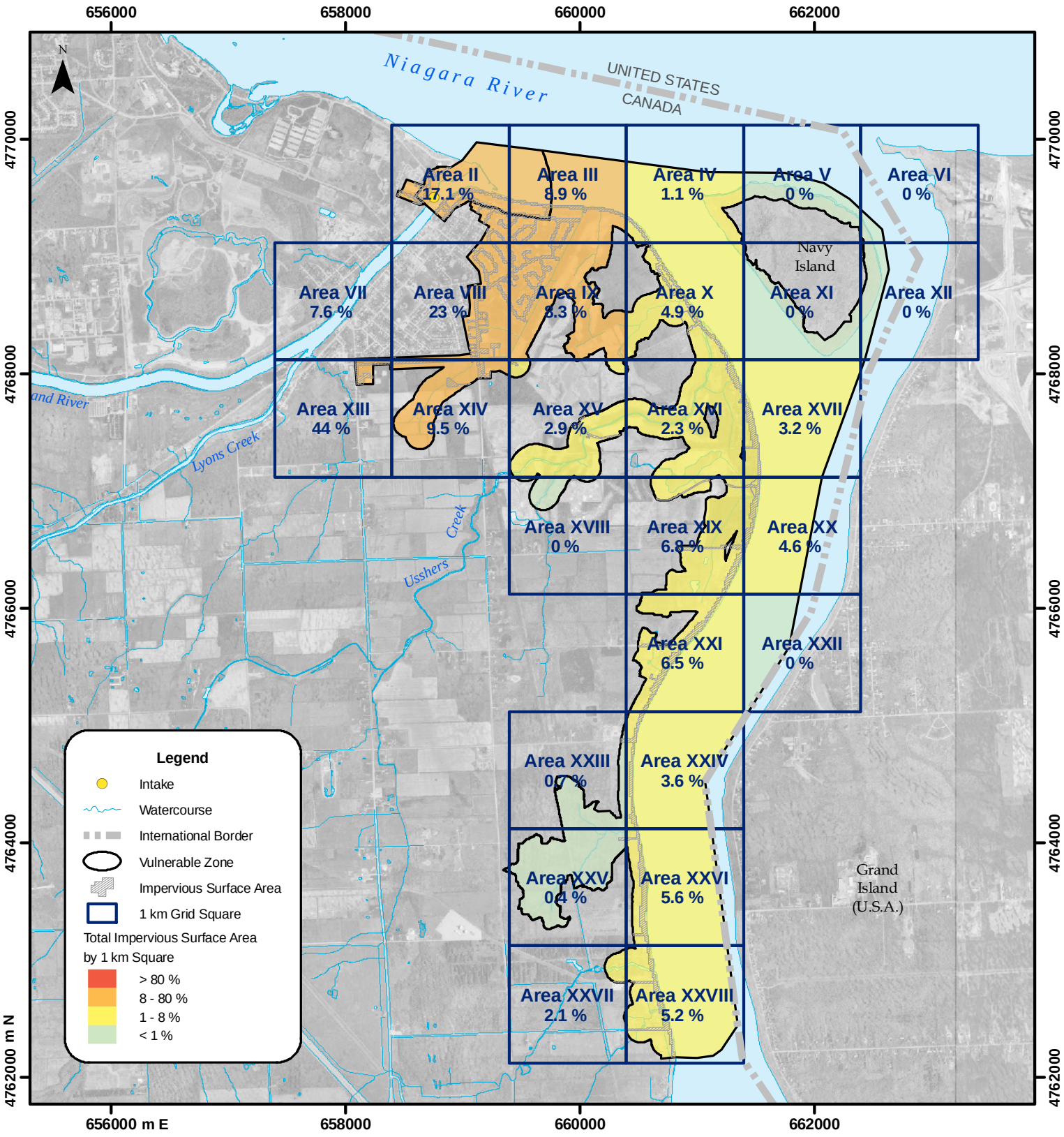
Project

Niagara Peninsula Source Protection Area Assessment Report

Figure No.	Revision No.	Date
2.24	**2**	**July 14, 2011**

Title

Total Impervious Area Within Each Square Kilometre of Vulnerable Areas - Port Colborne



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. Landcover from Southern Ontario Land Resources Inventory System, used under license with the Ontario Ministry of Natural Resources. Imagery © Niagara Region and Google Earth. Hydrology courtesy of Niagara Peninsula Conservation Authority. Copyright © 2009 by Stantec Consulting Ltd.

Projection: UTM Zone 17N, NAD 1983

0.5 0 0.5 1 1.5 2 km

Ontario

DRINKING WATER SOURCE PROTECTION

NIAGARA PENINSULA CONSERVATION AUTHORITY

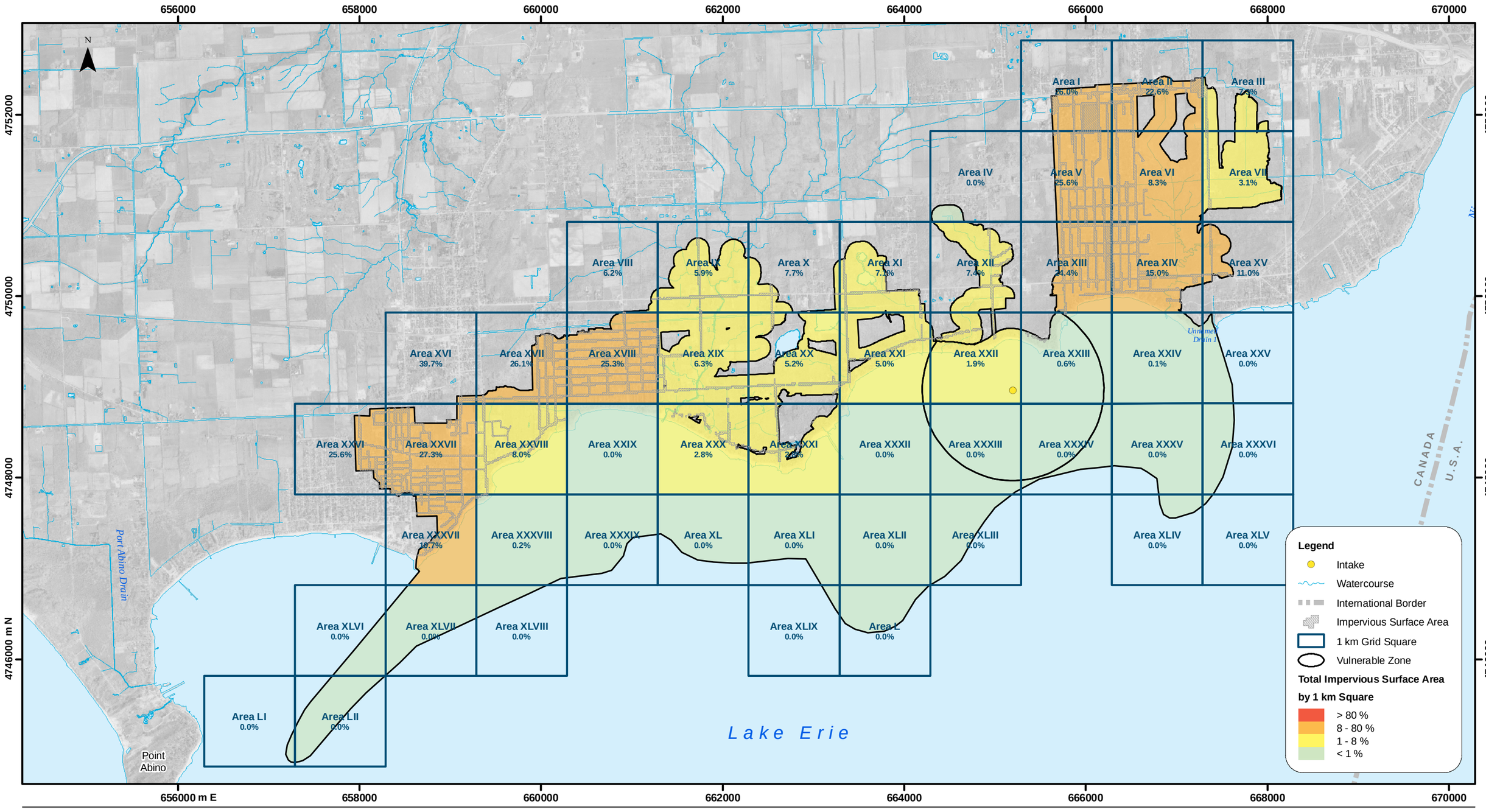
Project

Niagara Peninsula Source Protection Area Assessment Report

Figure No.	Revision No.	Date
2.25	**3**	**July 14, 2011**

Title

Total Impervious Area Within Each Square Kilometre of Vulnerable Areas - Niagara Falls



Ontario

DRINKING WATER SOURCE PROTECTION
Niagara Peninsula Source Protection Area

NIAGARA PENINSULA CONSERVATION AUTHORITY

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. Landcover from Southern Ontario Land Resources Inventory System, used under license with the Ontario Ministry of Natural Resources. Imagery © Niagara Region. Hydrology courtesy of Niagara Peninsula Conservation Authority.
Copyright © 2009 by Stantec Consulting Ltd.
Projection: UTM Zone 17N, NAD 1983

1 0 1 2 km

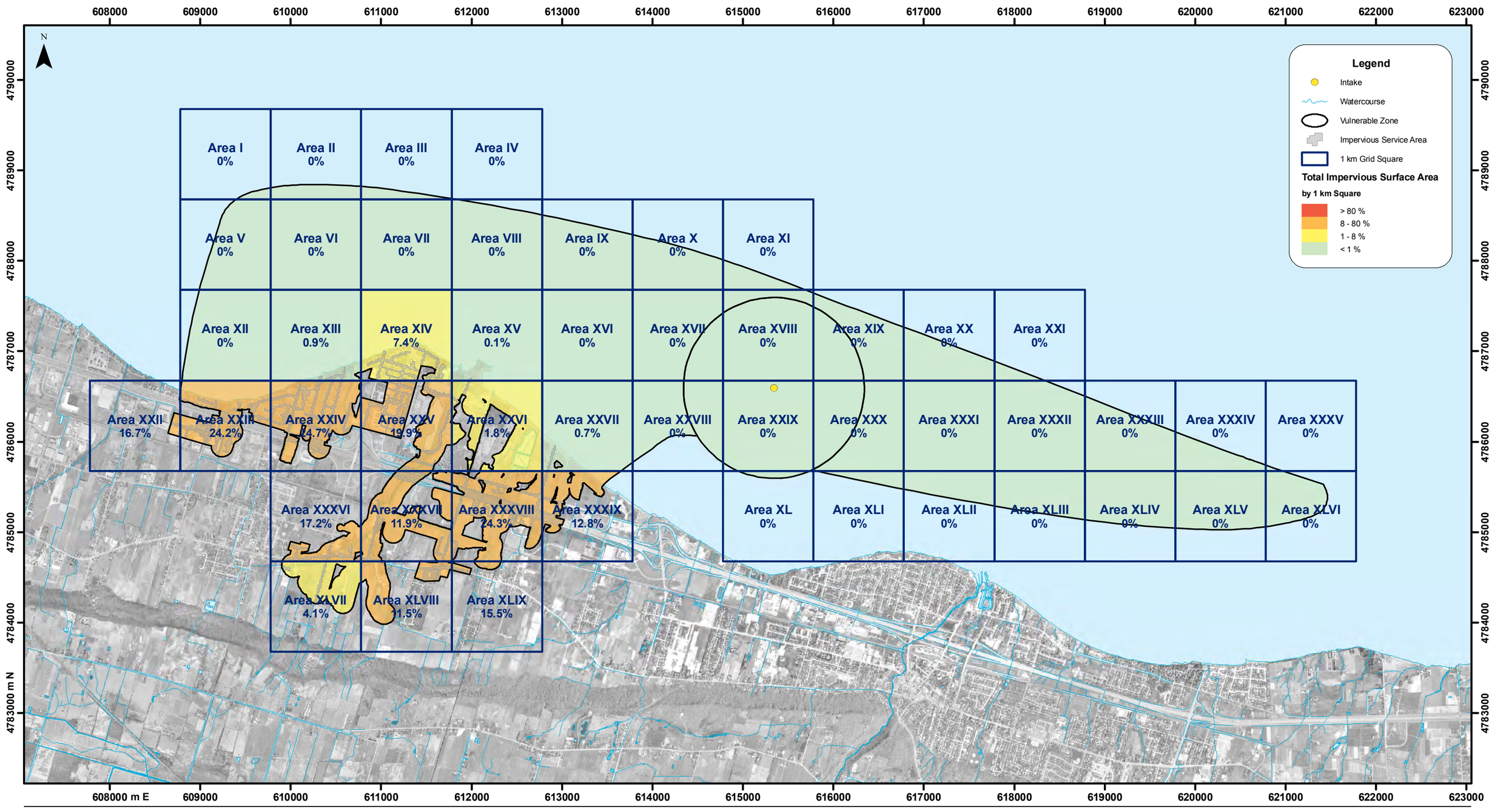
Project

Niagara Peninsula Source Protection Area Assessment Report

Figure No.	Revision No.	Date
2.26	**2**	**July 14, 2011**

Title

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



Ontario

DRINKING WATER SOURCE PROTECTION
Niagara Peninsula Source Protection Area

NIAGARA PENINSULA CONSERVATION AUTHORITY

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. Landcover from Southern Ontario Land Resources Inventory System, used under license with the Ontario Ministry of Natural Resources. Imagery © Niagara Region and Google Earth. Hydrology courtesy of Niagara Peninsula Conservation Authority. Copyright © 2009 by Stantec Consulting Ltd.

Projection: UTM Zone 17N, NAD 1983J

1 0 1 2 km

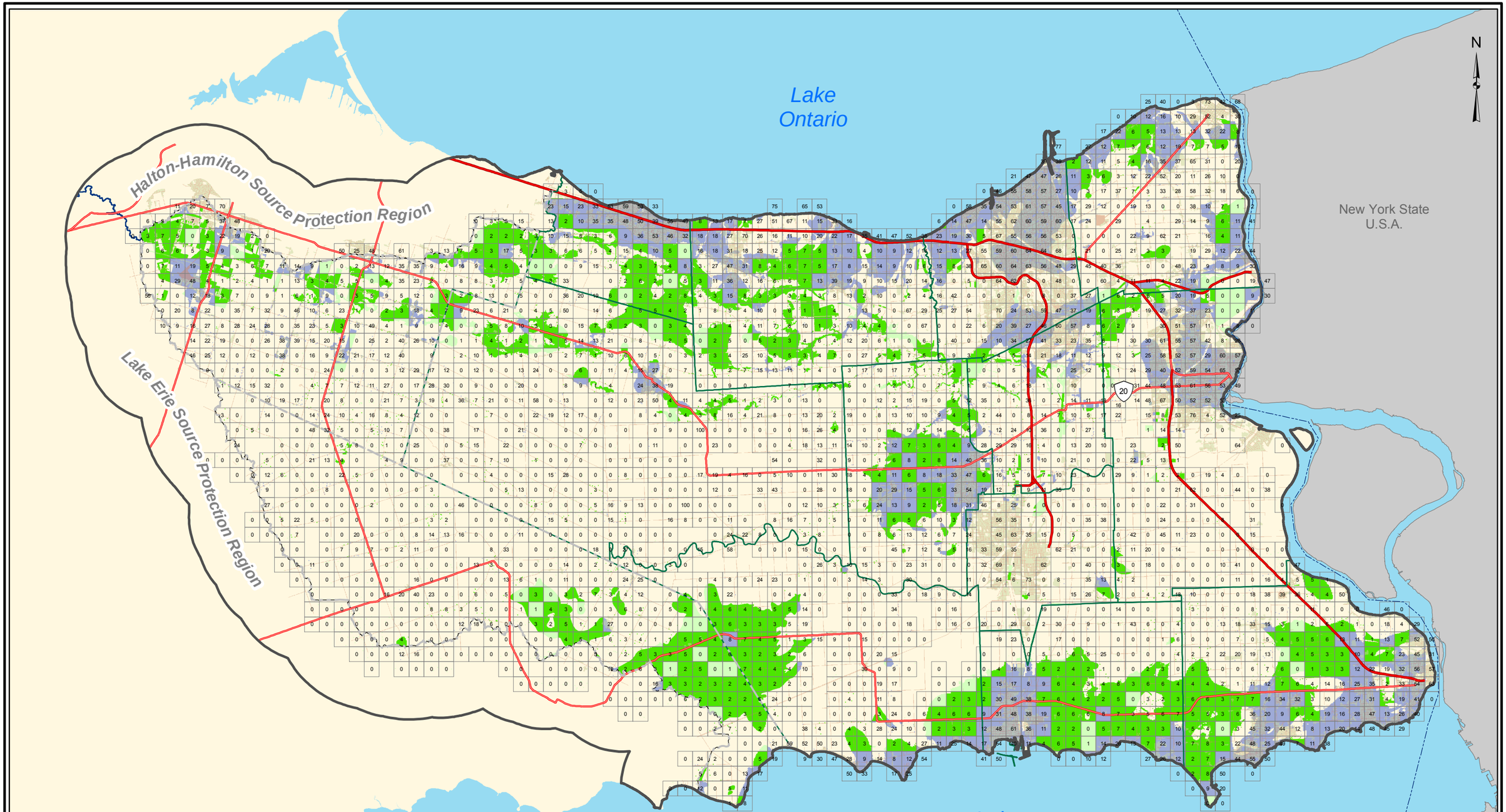
Project

Niagara Peninsula Source Protection Area Assessment Report

Figure No.	Revision No.	Date
2.27	**1**	**July 14, 2011**

Title

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



Disclaimer: This map is intended for illustrative purposes only. Figure is to be read in conjunction with the Niagara Peninsula Source Protection Area Assessment Report.
Please refer to report text for digital mapping sources.
All Frames: North American Datum 1983, Universal Transverse Mercator 6° Projection, Zone 17N, Central Meridian 81° West.
Produced by the Niagara Peninsula Conservation Authority with data supplied under licence by members of the Ontario Geospatial Data Exchange, 2009.

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

Impervious Areas
- 50 % (Residential Areas)
- 100 % (Roads, Parking Lots)

% Impervious by 1 km²
- - 99 (No Data)
- 0.00 - 1.00
- 1.01 - 8.00
- 8.01 - 100.00



DRINKING WATER SOURCE PROTECTION
ACT FOR CLEAN WATER

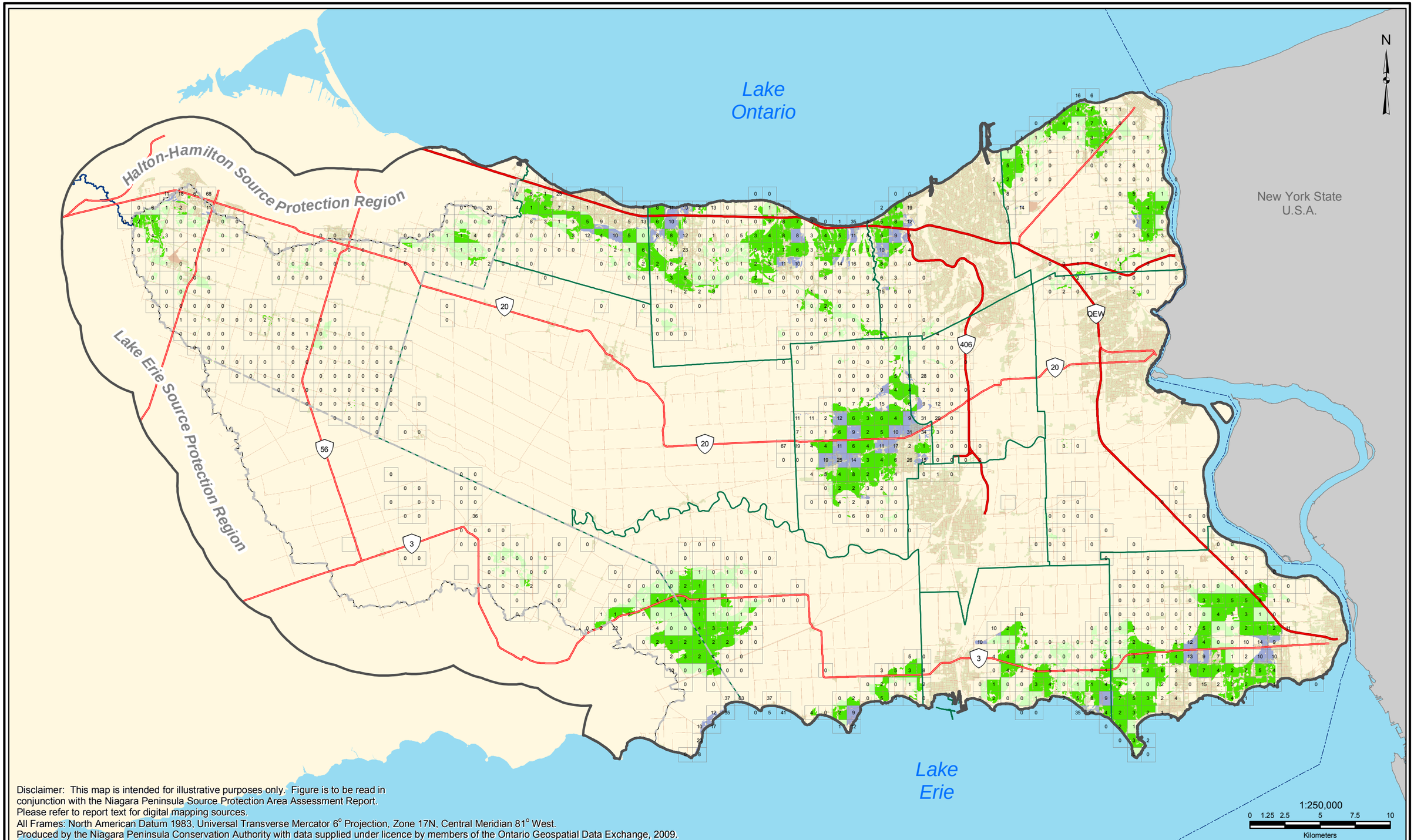
NPSPA Assessment Report

Figure 2.28: Impervious Areas - Highly Vulnerable Aquifers

NIAGARA PENINSULA CONSERVATION AUTHORITY

Thursday, July 14, 2011

Ontario



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 km ^{2} Grid

Impervious Areas
- 50 % (Residential Areas)
- 100 % (Roads, Parking Lots)

% Impervious by 1 km^2
- 0.00 - 1.00
- 1.01 - 8.00
- 8.01 - 100.00



DRINKING WATER SOURCE PROTECTION — ACT FOR CLEAN WATER

NPSPA Assessment Report

Figure 2.29: Impervious Areas
Significant Groundwater Recharge Areas

NIAGARA PENINSULA CONSERVATION AUTHORITY

Thursday, July 14, 2011

Ontario