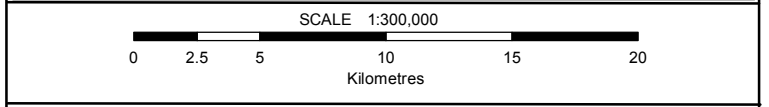
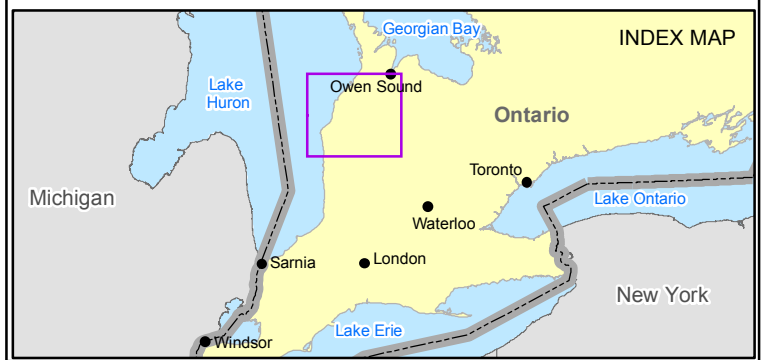


**LEGEND**

- The Communities
- Highway/Major Road
- Waterbody
- Watercourse
- Other Wetlands
- Provincially Significant Wetland



COORDINATE SYSTEM: UTM NAD83 Zone 17N  
 SOURCE:  
 Basemap Layers: LIO, MNR, ESRI  
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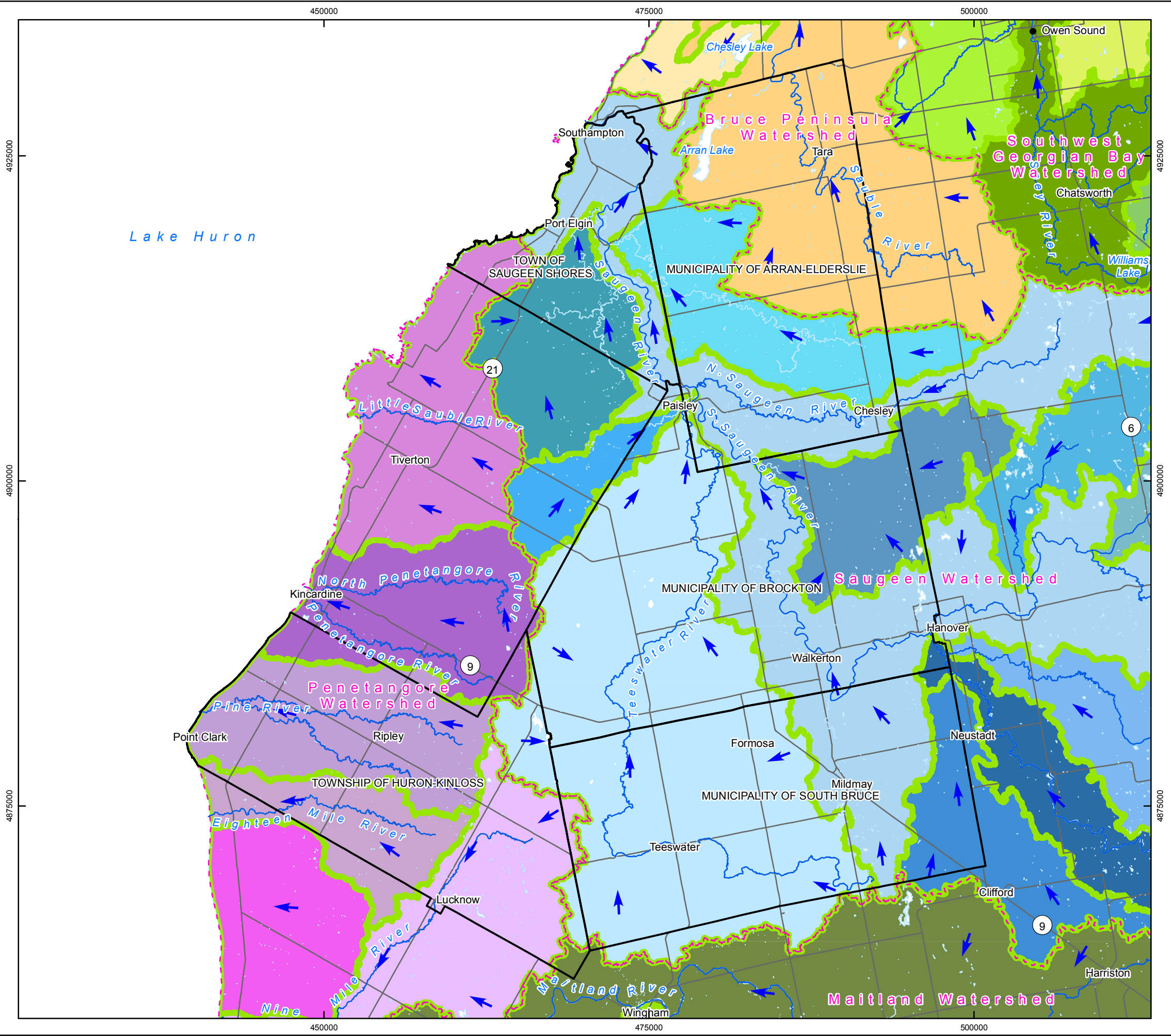
PROJECT No. 10-214-7  
 NWMO Phase 1 Geoscientific Desktop Preliminary  
 Assessment Study - Sedimentary Sites

TITLE  
**Waterbodies and Wetlands  
 of the Area of the Five Communities**

<b>FIGURE 2.4</b>	DESIGN: NMP CAD/GIS: NMP/ADG CHECK: KGR REV: 0	
	DATE: 03/06/2014	

G:\Data\Project\Sedimentary\_Site\_NWMO\10-214-7\_FS\_SedimentarySites\SedimentarySites\_Suitability\_Report\_Maps\10-214-7-110\_SedSites\_Fig2\_4\_LakesandWetlands.mxd

G:\Data\Project\Sedimentary\_Site\_NWMO\10-214-7\_FS\_SedimentarySites\SedimentarySites\_Suitability\_Report\_Maps\10-214-7-110\_SedSites\_Fig2\_5\_WatershedsandSurfaceWaterFlow.mxd



**LEGEND**

- The Communities
- Highway/Major Road
- Waterbody
- Watercourse
- Tertiary Watershed
- Quaternary Watershed
- Surface Water Flow Direction

**INDEX MAP**

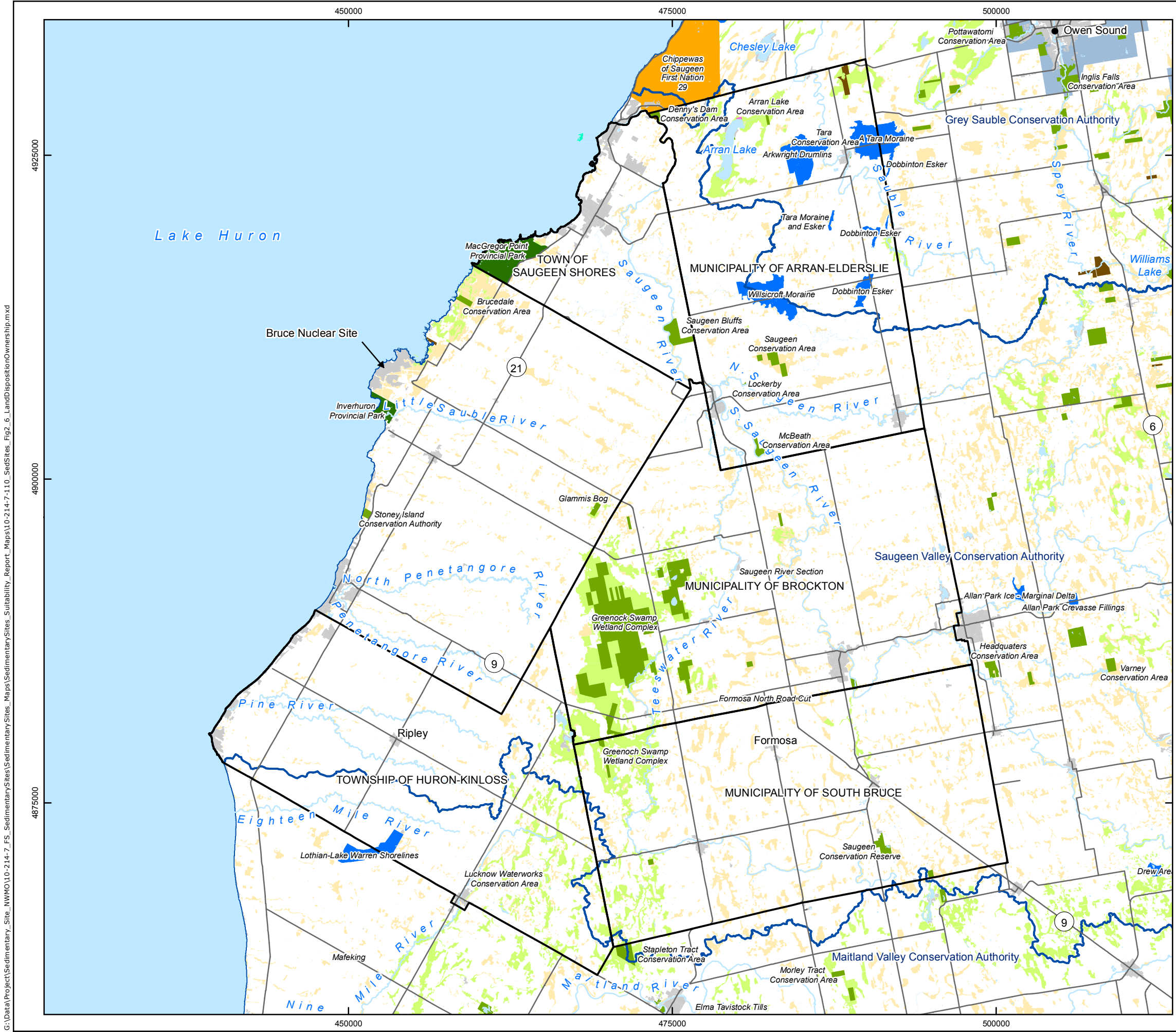
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0 2.5 5 10 15 20  
Kilometres

COORDINATE SYSTEM: UTM NAD83 Zone 17N  
SOURCE: Basemap Layers: LIO, MNR, ESRI  
Watersheds: LIO MNR, 2013  
Flow Directions : JDMA, 2014  
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PROJECT No. 10-214-7  
NWMO Phase 1 Geoscientific Desktop Preliminary Assessment Study - Sedimentary Sites

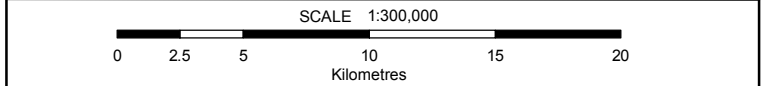
TITLE **Watersheds and Surface Water Flow in the Area of the Five Communities**

<b>FIGURE 2.5</b>	DESIGN: NMP CAD/GIS: NMP CHECK: KGR/SNS REV: 0	
	DATE: 04/06/2014	



**LEGEND**

- The Communities
- Highway/Major Road
- Waterbody
- Watercourse
- Conservation Administration Area
- ANSI (Earth Science)
- Built-Up Area
- Conservation Area/Reserve
- Crown Land-Unpatented
- Crown Leased Lands
- Federal Land-other
- First Nation Reserve
- Federal Protected Land
- Niagara Escarpment Land Use Plan Area
- Provincial Park
- Other Wetlands
- Provincially Significant Wetland



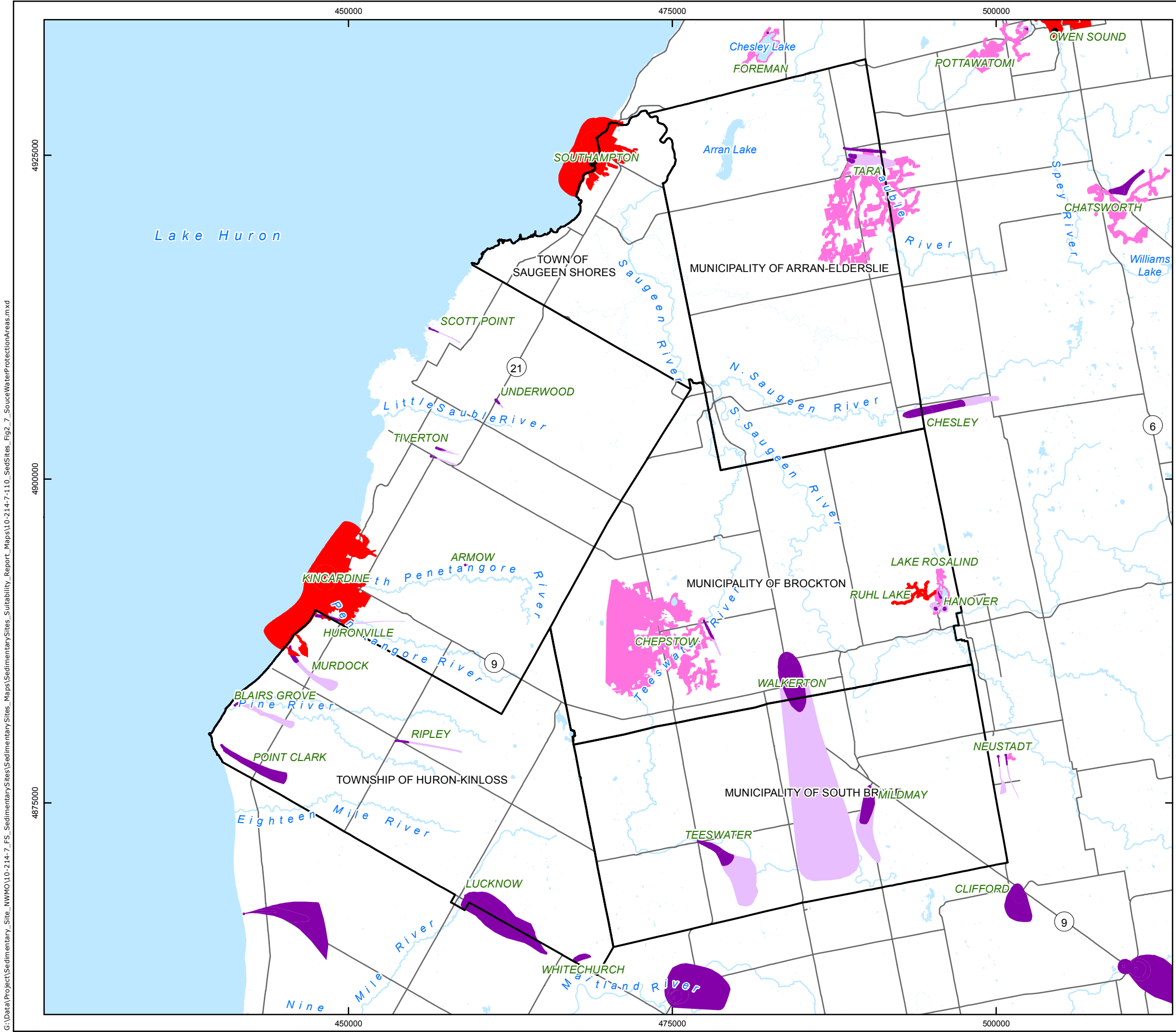
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 SOURCE:  
 Basemap Layers: LIO, MNR, ESRI  
 Protected Areas: LIO, MNR, SWP, 2013  
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PROJECT No. 10-214-7  
**NWMO Phase 1 Geoscientific Desktop Preliminary  
 Assessment Study - Sedimentary Sites**

TITLE  
**Land Disposition and Ownership  
 within the Area of the Five Communities**

<b>FIGURE 2.6</b>	DESIGN: NMP CAD/GIS: NMP CHECK: KGR/SNS REV: 0	
	DATE: 7/3/2014	

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**LEGEND**

- The Communities
- Highway/Major Road
- Waterbody
- Watercourse

**Surface Water Intake Protection Zone**

- IPZ 1 and 2

**Wellhead Protection Area**

- WHPA A, B, and C
- WHPA D
- WHPA E

**INDEX MAP**

SCALE 1:300,000

0 2.5 5 10 15 20  
Kilometres

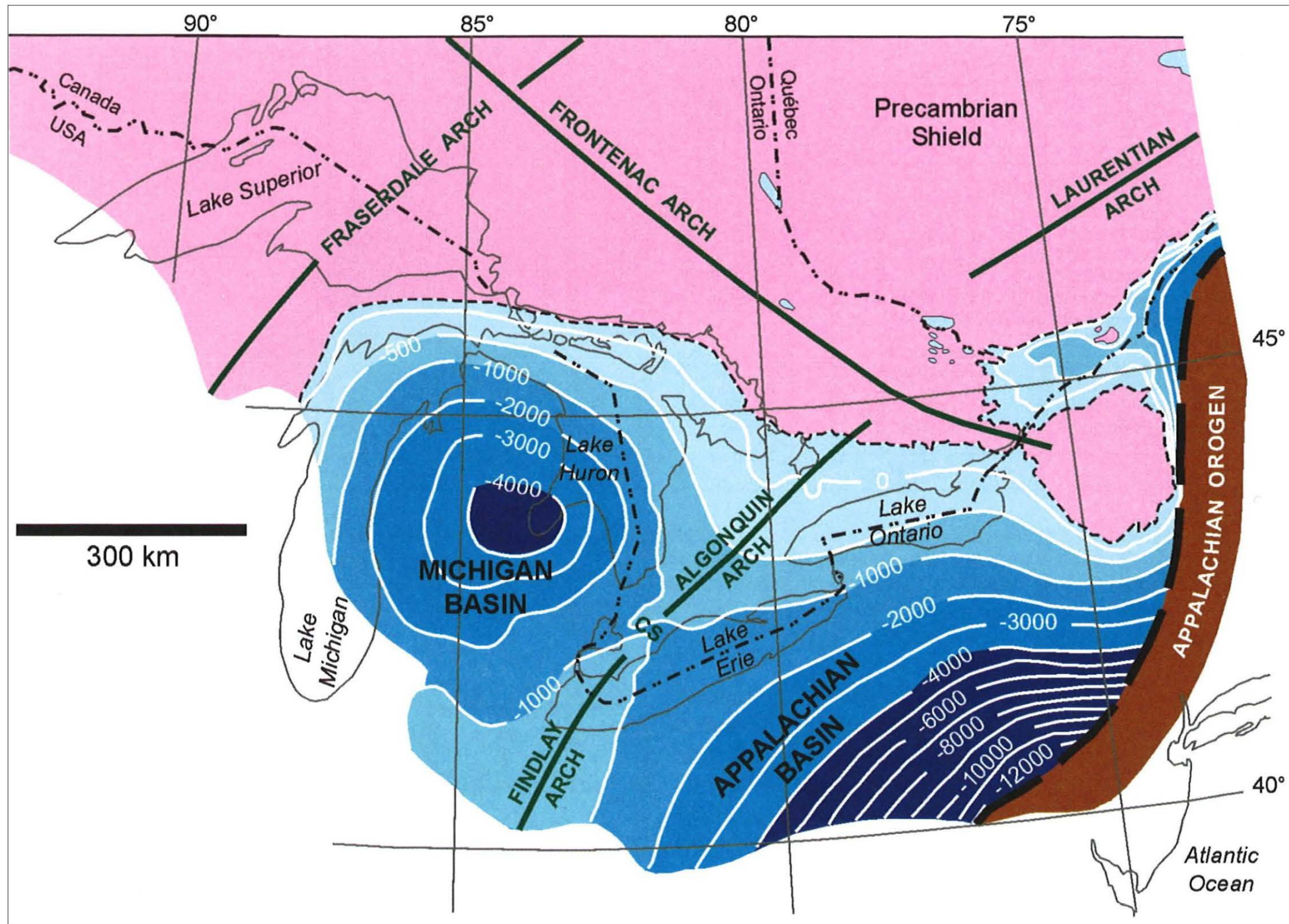
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Source Water Protection, 2013  
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PROJECT No. 10-214-7  
NWMO Phase 1 Geoscientific Desktop Preliminary Assessment Study - Sedimentary Sites

**TITLE**  
**Source Water Protection Areas within the Area of the Five Communities**

<b>FIGURE 2.7</b>	DESIGN: NMP CAD/GIS: NMP/ADG CHECK: KGR/DJH REV: 0	
	DATE: 5/29/2014	

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Data Source: Johnson et al. (1992); Armstrong and Carter (2010)

**FIGURE 3.1 - Geological Features of Southern Ontario**

NWMO Phase 1 Geoscientific Desktop Preliminary Assessment Study - Sedimentary Sites

Prepared by: ECK

Reviewed by: KGR/SNS

Date: 12/02/2014

Michigan and Appalachian sedimentary basins (blue), Algonquin and Findlay basement arches (green) and the Chatham Sag (CS). Contour lines (white) indicate elevation of the top of the Precambrian basement in meters below mean sea level. The Appalachian orogenic is indicated in brown, with the extent of the thrusting shown as a thick, black dashed line. Thinner dashed line represents the present-day erosional edge of Paleozoic rocks (After Johnson et al. 1992)