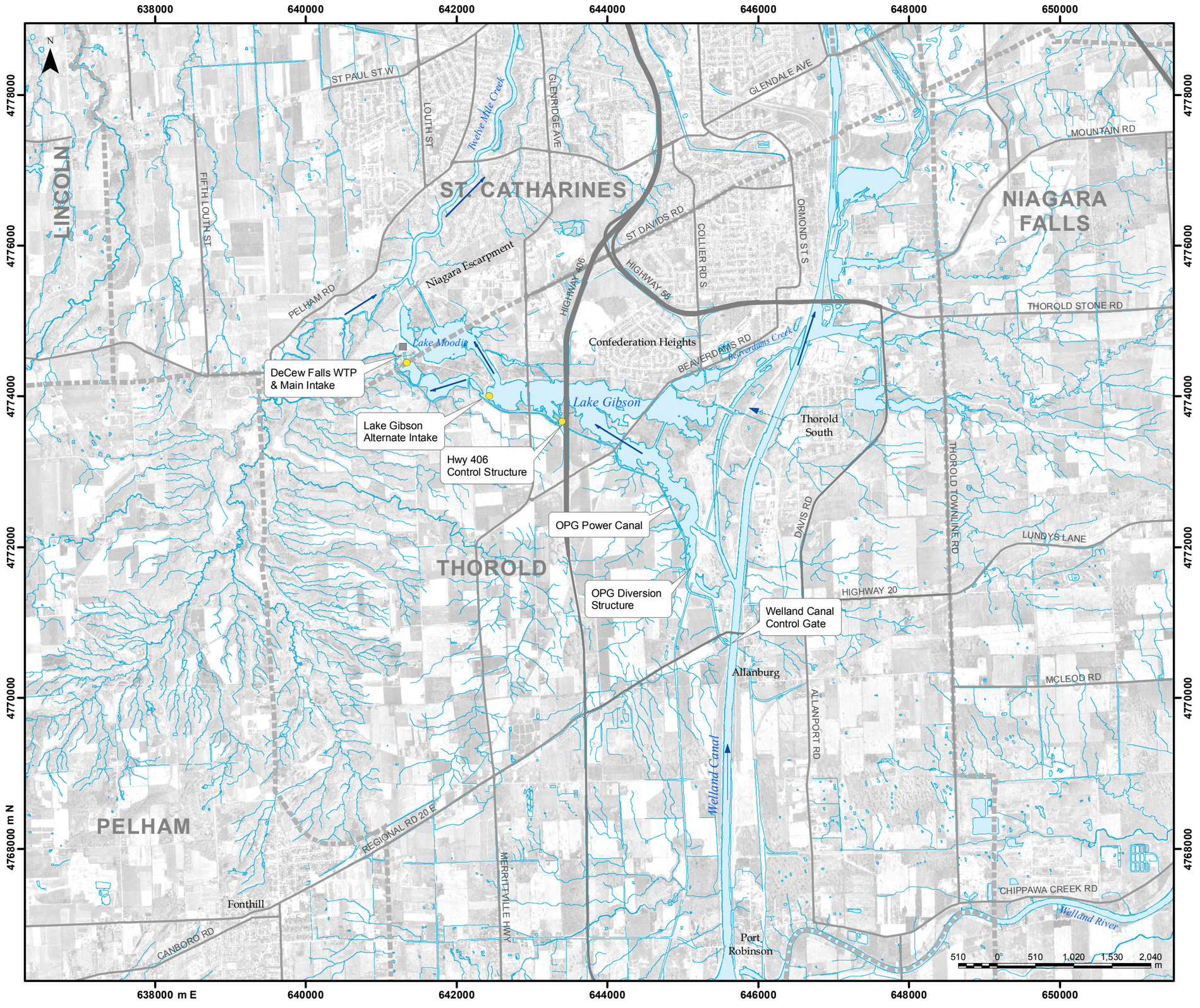


DRINKING WATER SOURCE PROTECTION
Niagara Peninsula Source Protection Area

NIAGARA PENINSULA CONSERVATION AUTHORITY

Ontario

Legend

- Intake
- Municipal WTP
- Primary Highway
- Secondary Highway
- Other Road
- Municipal Boundary
- Watercourse

Notes:

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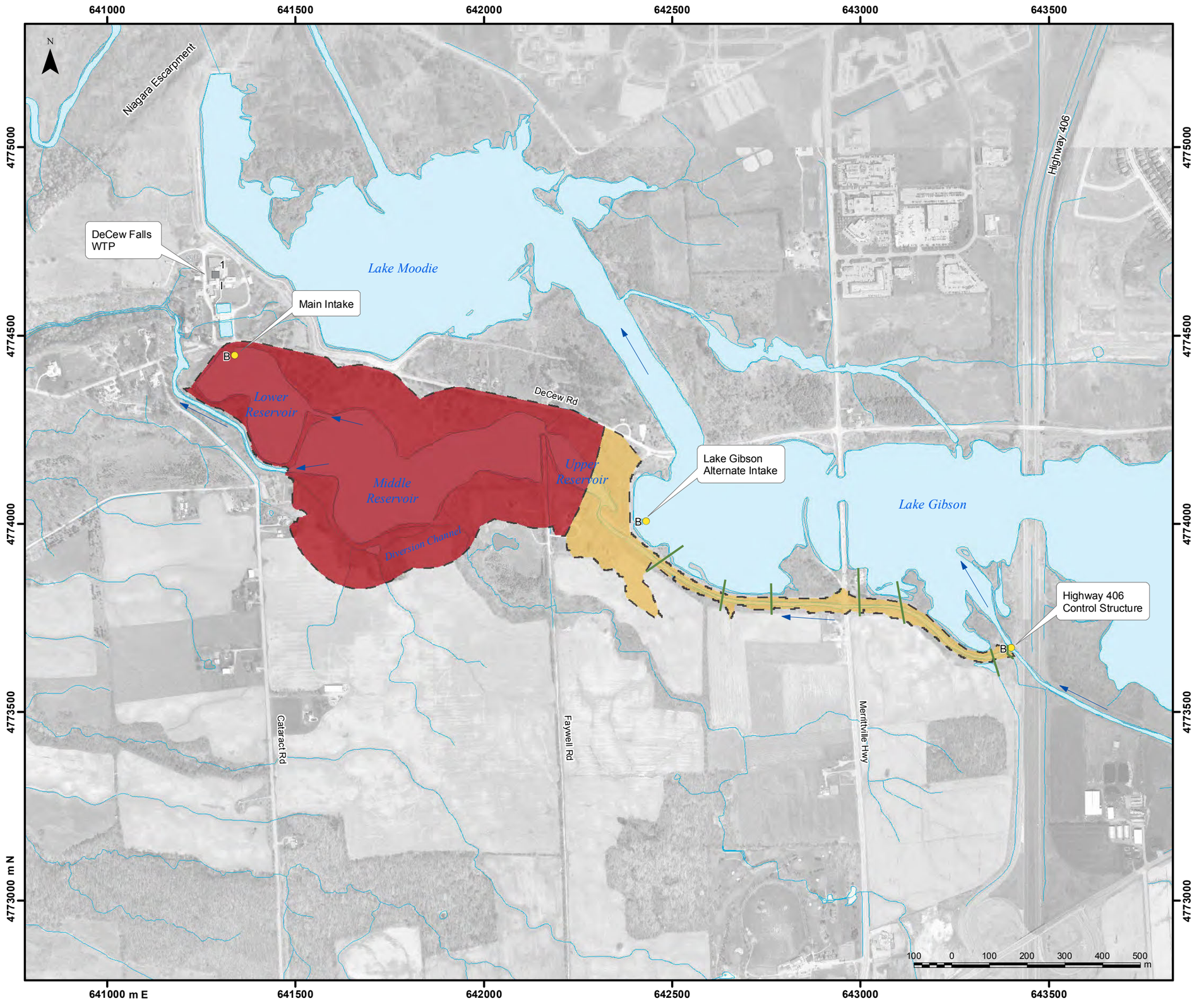
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Niagara Peninsula Source Protection Area Assessment Report

Figure No.	Revision No.	Date
7.1	**3**	**July 14, 2011**

Title

Local Setting



DRINKING WATER SOURCE PROTECTION
Niagara Peninsula Source Protection Area

NIAGARA PENINSULA CONSERVATION AUTHORITY

Ontario

Legend

- Intake — Intake Type (Rule 55), Left
- Municipal WTP — Class (Rule 16. (3) (b)), Upper Right; System Type (Rule 1. (1)), Lower Right
- Culvert
- Watercourse
- IPZ-1
- IPZ-2

Notes:

Blue arrows indicate direction of flow. Imagery courtesy of Niagara Region. Hydrology courtesy of Niagara Peninsula Conservation Authority.
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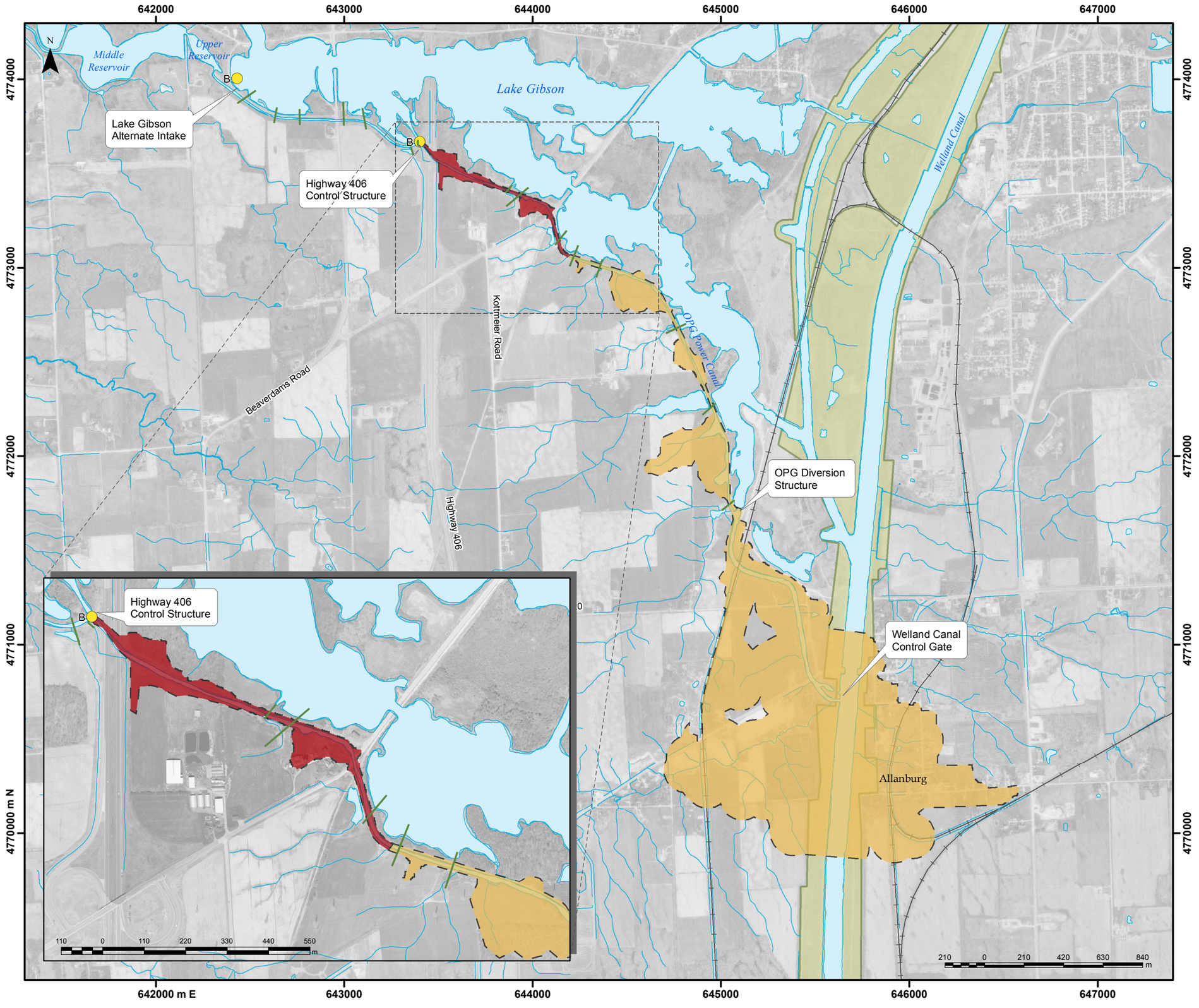
Project

Niagara Peninsula Source Protection Area Assessment Report

Figure No.	Revision No.	Date
7.2	**12**	**July 14, 2011**

Title

DeCew Falls WTP IPZ Delineations - Main Intake



DRINKING WATER SOURCE PROTECTION
Niagara Peninsula Source Protection Area

NIAGARA PENINSULA CONSERVATION AUTHORITY

Ontario

Legend

- Intake — Intake Type (Rule 55), Left
- Municipal WTP — Class (Rule 16. (3) (b)), Upper Right; System Type (Rule 1. (1)), Lower Right
- Culvert
- Watercourse
- Railway
- IPZ-1
- IPZ-2
- Federal Lands

Notes:

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Project

Niagara Peninsula Source Protection Area Assessment Report

Figure No.	Revision No.	Date
7.3	**11**	**June 2013**

Title

DeCew Falls WTP IPZ-1/IPZ-2 Delineations - Hwy 406 Control Structure

641000 642000 643000 644000 645000 646000 647000

4775000 4774000 4773000 4772000 4771000 4770000 m N

N

Niagara Escarpment

Lake Moodie

DeCew Falls WTP & Intake

1

I

B

Lower Reservoir

Middle Reservoir

Upper Reservoir

DeCew Road

Lake Gibson Alternate Intake

Highway 406 Control Structure

Lake Gibson

Confederation Heights

Highway 406

Beaverdams Creek

Welland Canal

Kottmeier Road

OPG Power Canal

OPG Diversion Structure

Welland Canal Control Gate

Highway 20

Allanburg

250 0 250 500 750 1,000 m

Lake Gibson

Highway 406 Control Structure

130 0 130 260 390 520 650 m

641000 m E 642000 643000 644000 645000 646000 647000

DRINKING WATER SOURCE PROTECTION
Niagara Peninsula Source Protection Area

NIAGARA PENINSULA CONSERVATION AUTHORITY

Ontario

Legend

- Intake — Intake Type (Rule 55), Left
- Municipal WTP — Class (Rule 16. (3) (b)), Upper Right; System Type (Rule 1. (1)), Lower Right
- Culvert
- Watercourse
- Railway
- IPZ-1
- IPZ-2
- Federal Lands

Notes

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Projection: UTM Zone 17N, NAD 1983

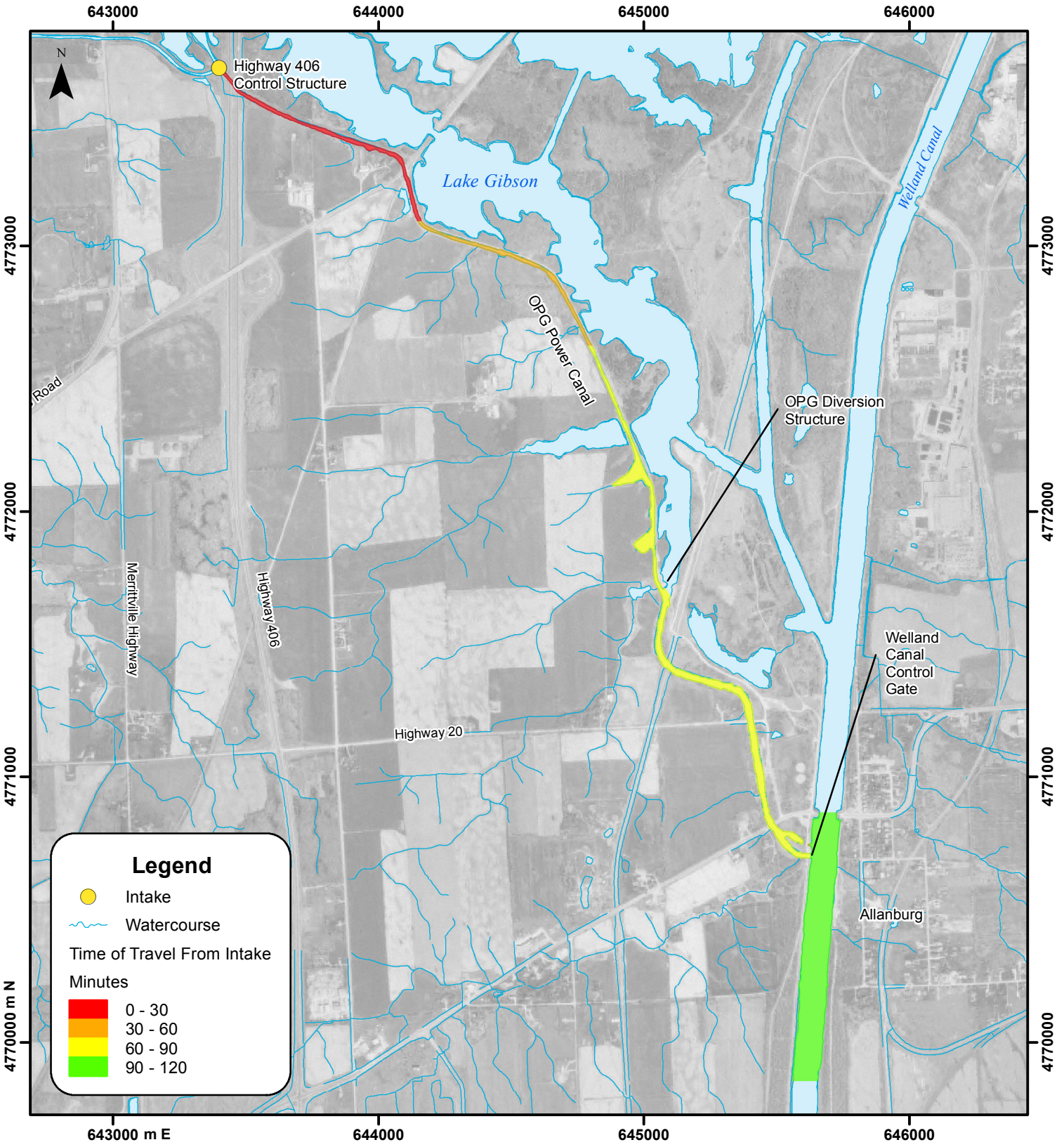
Project

Niagara Peninsula Source Protection Area Assessment Report

Figure No.	Revision No.	Date
7.4	**11**	**June 2013**

Title

DeCew Falls WTP IPZ-1/IPZ-2 Delineations - Alternate Intake



Ontario

DRINKING WATER SOURCE PROTECTION
Niagara Peninsula Source Protection Area

NIAGARA PENINSULA CONSERVATION AUTHORITY

Notes:

Time of Travel from Technical Memorandum ND-6, McCorquodale, 2008.
Imagery courtesy of Niagara Region. Water data courtesy of Niagara Peninsula Conservation Authority.
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Projection: UTM Zone 17N, NAD 1983

250 0 250 500 750 1,000 m

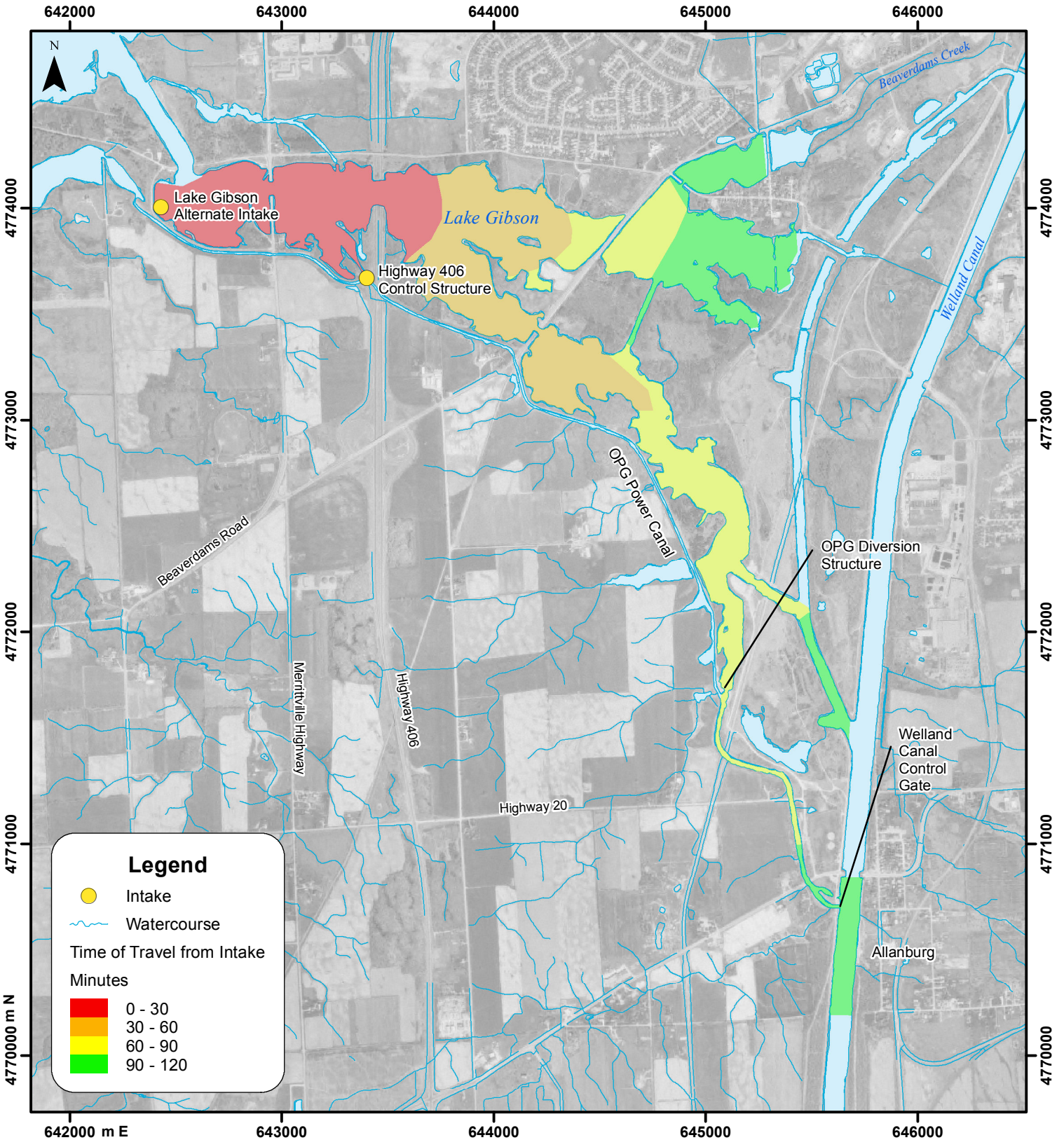
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Niagara Peninsula Source Protection Area Assessment Report

Figure No.	Revision No.	Date
7.5	**3**	**June 2013**

Title

In-Water IPZ-2 for Main Intake and Control Structure at Hwy 406



Ontario

DRINKING WATER SOURCE PROTECTION
Niagara Peninsula Source Protection Area

NIAGARA PENINSULA CONSERVATION AUTHORITY

Notes:

Time of Travel from Technical Memorandum ND-6, McCorquodale, 2008. Imagery courtesy of Niagara Region. Water data courtesy of Niagara Peninsula Conservation Authority.
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Projection: UTM Zone 17N, NAD 1983

250 0 250 500 750 1,000 m

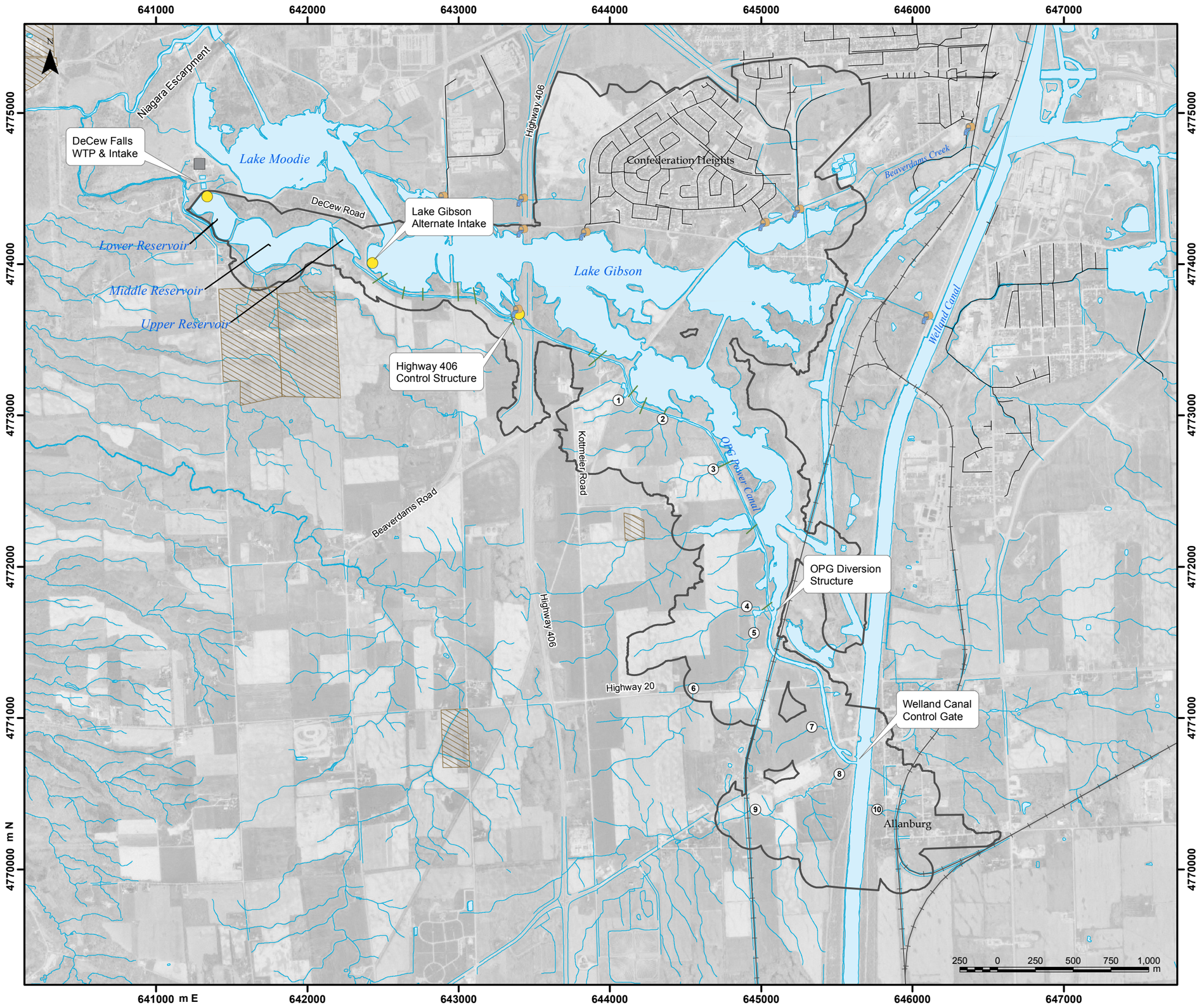
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Niagara Peninsula Source Protection Area Assessment Report

Figure No.	Revision No.	Date
7.6	**4**	**June 2013**

Title

In-Water IPZ-2 for Lake Gibson Alternate Intake



DRINKING WATER SOURCE PROTECTION
Niagara Peninsula Source Protection Area

NIAGARA PENINSULA CONSERVATION AUTHORITY

Ontario

Legend

- Intake
- Municipal Water Treatment Plant
- Survey Point
- Storm Sewer Outfall
- Storm Sewer Network
- Culvert
- Watercourse
- Railway
- Tile Drainage Area
- Combined IPZ-1/IPZ-2s

Notes:

IPZ-1 delineations not affected by tile drainage areas.
Imagery courtesy of Niagara Region.
Hydrology and storm sewer network courtesy of Niagara Peninsula Conservation Authority.
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Projection: UTM Zone 17N, NAD 1983

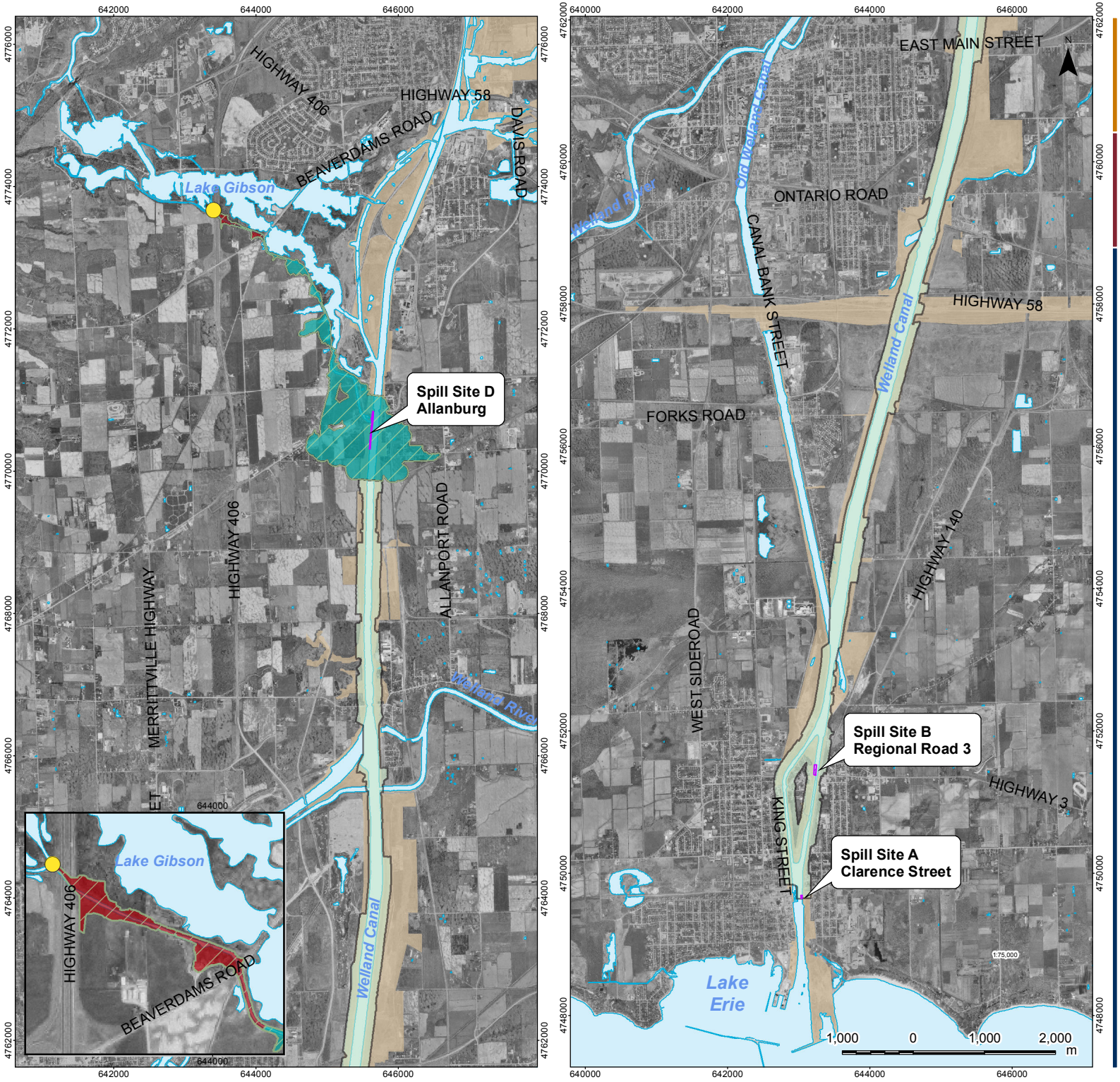
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Niagara Peninsula Source Protection Area Assessment Report

Figure No.	Revision No.	Date
7.7	**7**	**June 2013**

Title

DeCew Falls WTP IPZ Delineation Source Data



Legend

- Surface Water Intake
- IPZ-1
- IPZ-2
- IPZ-3
- Also Subject To IPZ-3 Significant Threat Policies
- Federal Lands
- Modeled Spill Location

Notes:

Coordinate System: NAD 1983 UTM Zone 17N

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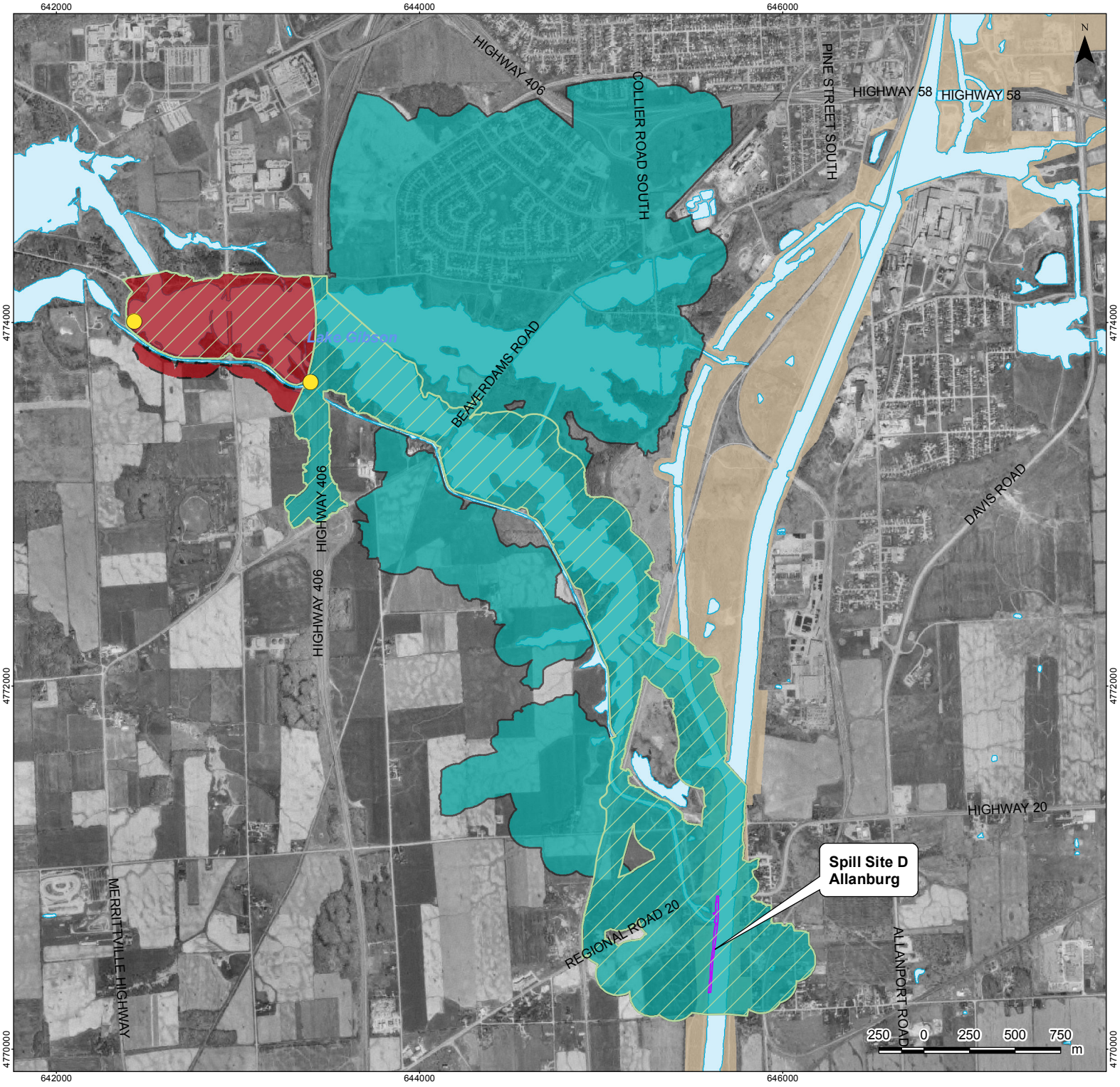
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Niagara Peninsula Source Protection Area Assessment Report

Figure No.	Revision No.	Date
7.8	**1**	**June 2013**

Title

Decew Falls WTP IPZ-3 Delineation - Hwy 406 Control Structure



DRINKING WATER SOURCE PROTECTION
Niagara Peninsula Source Protection Area

NIAGARA PENINSULA CONSERVATION AUTHORITY

Ontario

Legend

- Surface Water Intake
- IPZ-1
- IPZ-2
- Also Subject To IPZ-3 Significant Threat Policies
- Federal Lands
- Modeled Spill Locations

Notes:

Coordinate System: NAD 1983 UTM Zone 17N

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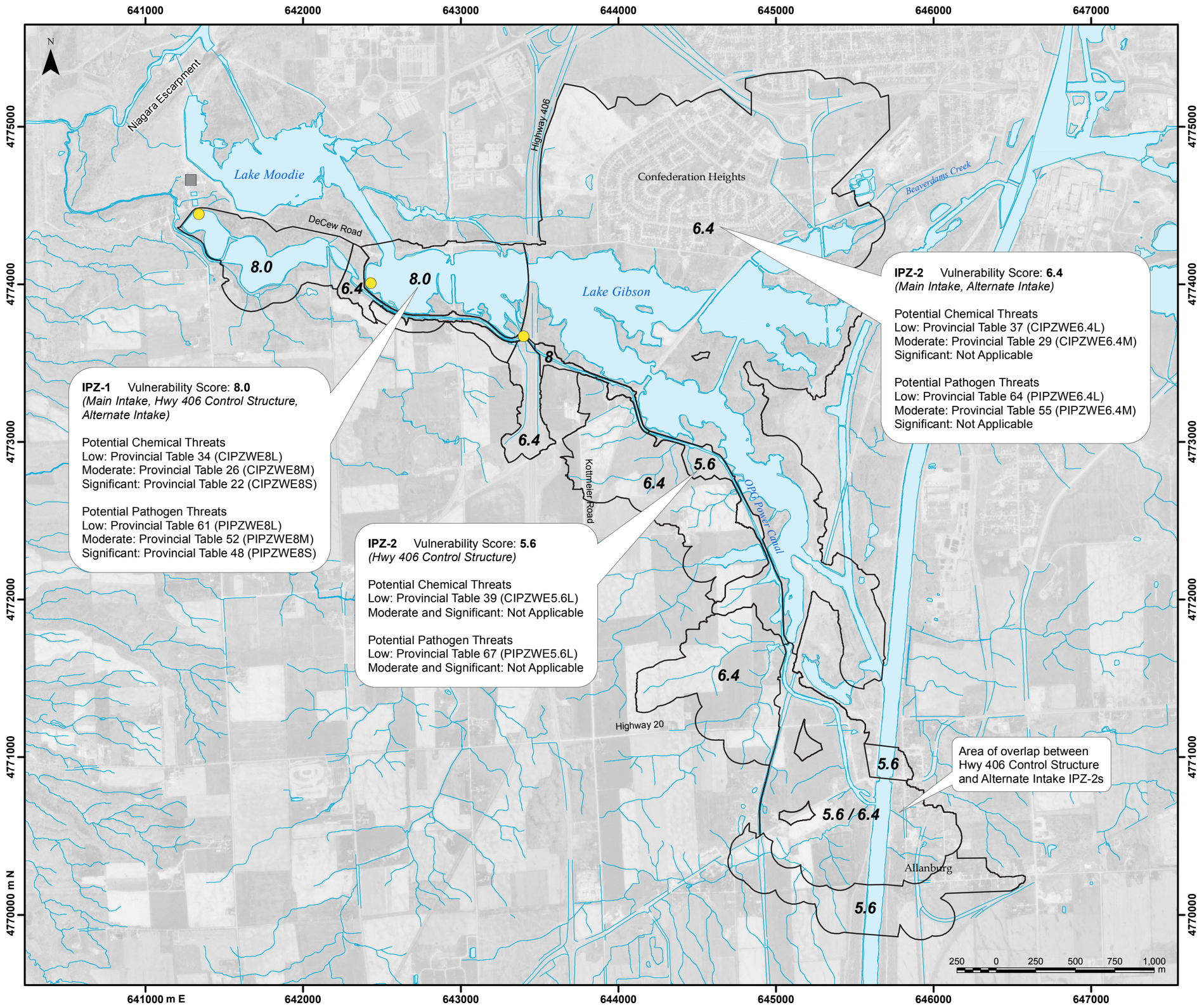
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Niagara Peninsula Source Protection Area Assessment Report

Figure No.	Revision No.	Date
7.9	**2**	**August 2013**

Title

Decew Falls WTP Event-based Modelling Area - Alternate Intake



DRINKING WATER SOURCE PROTECTION
Niagara Peninsula Source Protection Area

NIAGARA PENINSULA CONSERVATION AUTHORITY

Ontario

Legend

- Intake
- Municipal Water Treatment Plant
- Watercourse
- Intake Protection Zone

Notes

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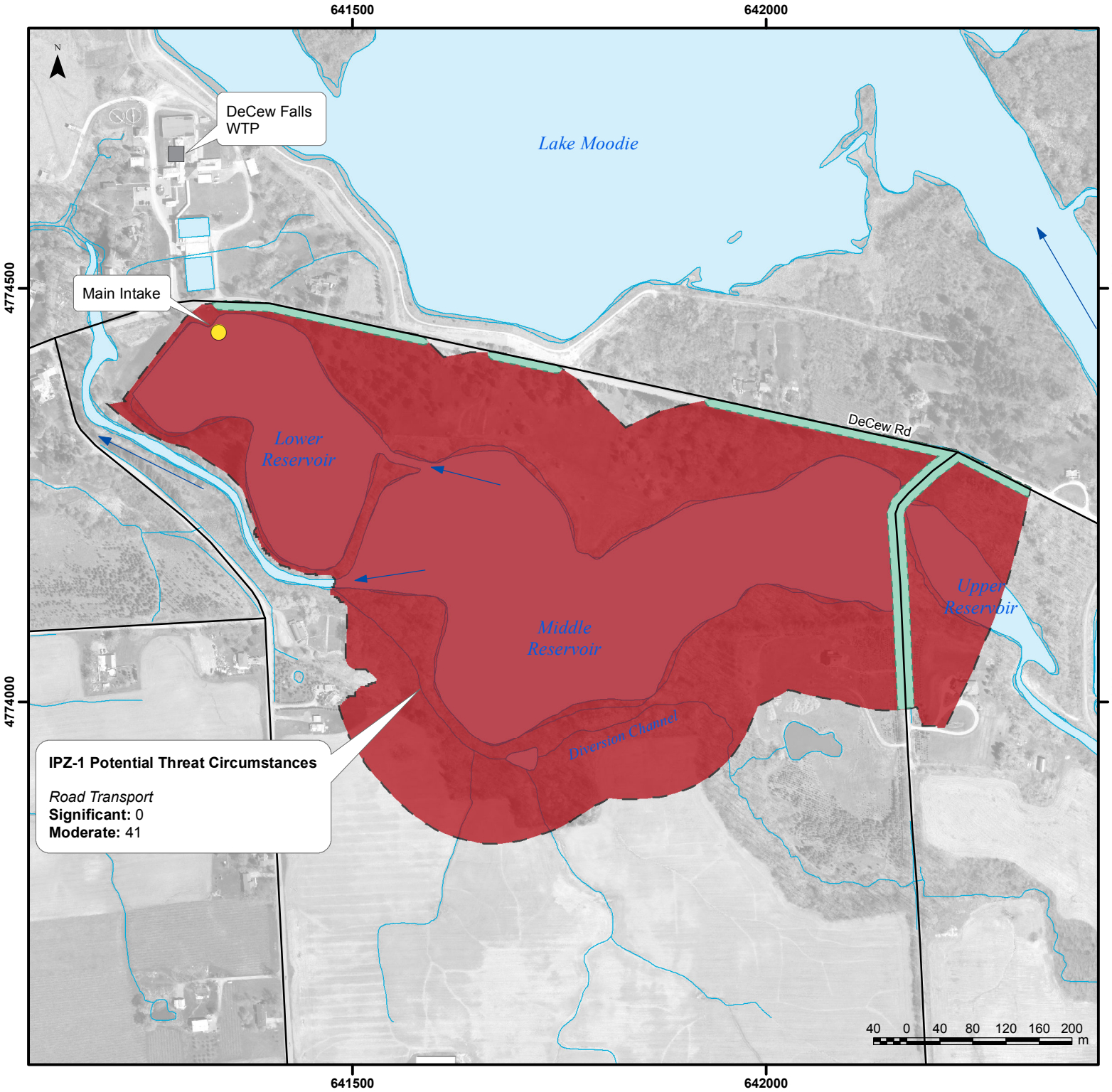
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Niagara Peninsula Source Protection Area Assessment Report

Figure No.	Revision No.	Date
7.10	**6**	**June 2013**

Title

Threat Levels of Potential Prescribed Drinking Water Threats



DRINKING WATER SOURCE PROTECTION
Niagara Peninsula Source Protection Area

NIAGARA PENINSULA CONSERVATION AUTHORITY

Ontario

Legend

- Intake
- Municipal WTP
- IPZ-1
- Watercourse
- Road
- Roadway Corridor

Notes:

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Projection: UTM Zone 17N, NAD 1983

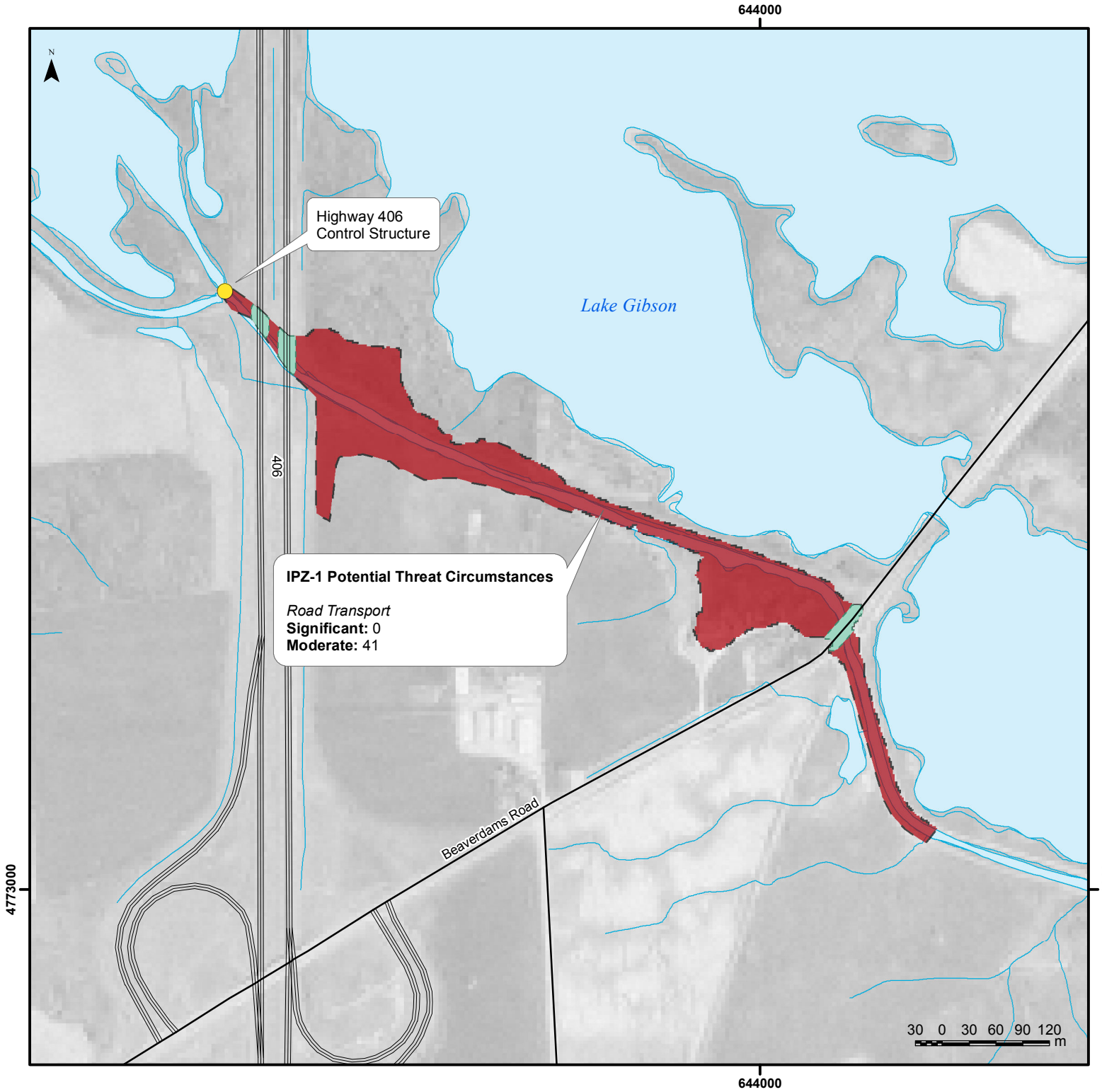
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Niagara Peninsula Source Protection Area Assessment Report

Figure No.	Revision No.	Date
7.11	**0**	**October 9, 2013**

Title

DeCew Falls WTP Transportation Threat Corridors - Main Intake



DRINKING WATER SOURCE PROTECTION
Niagara Peninsula Source Protection Area

NIAGARA PENINSULA CONSERVATION AUTHORITY

Ontario

Legend

- Intake
- IPZ-1
- Watercourse
- Road
- Major Highway
- Roadway Corridor

Notes:

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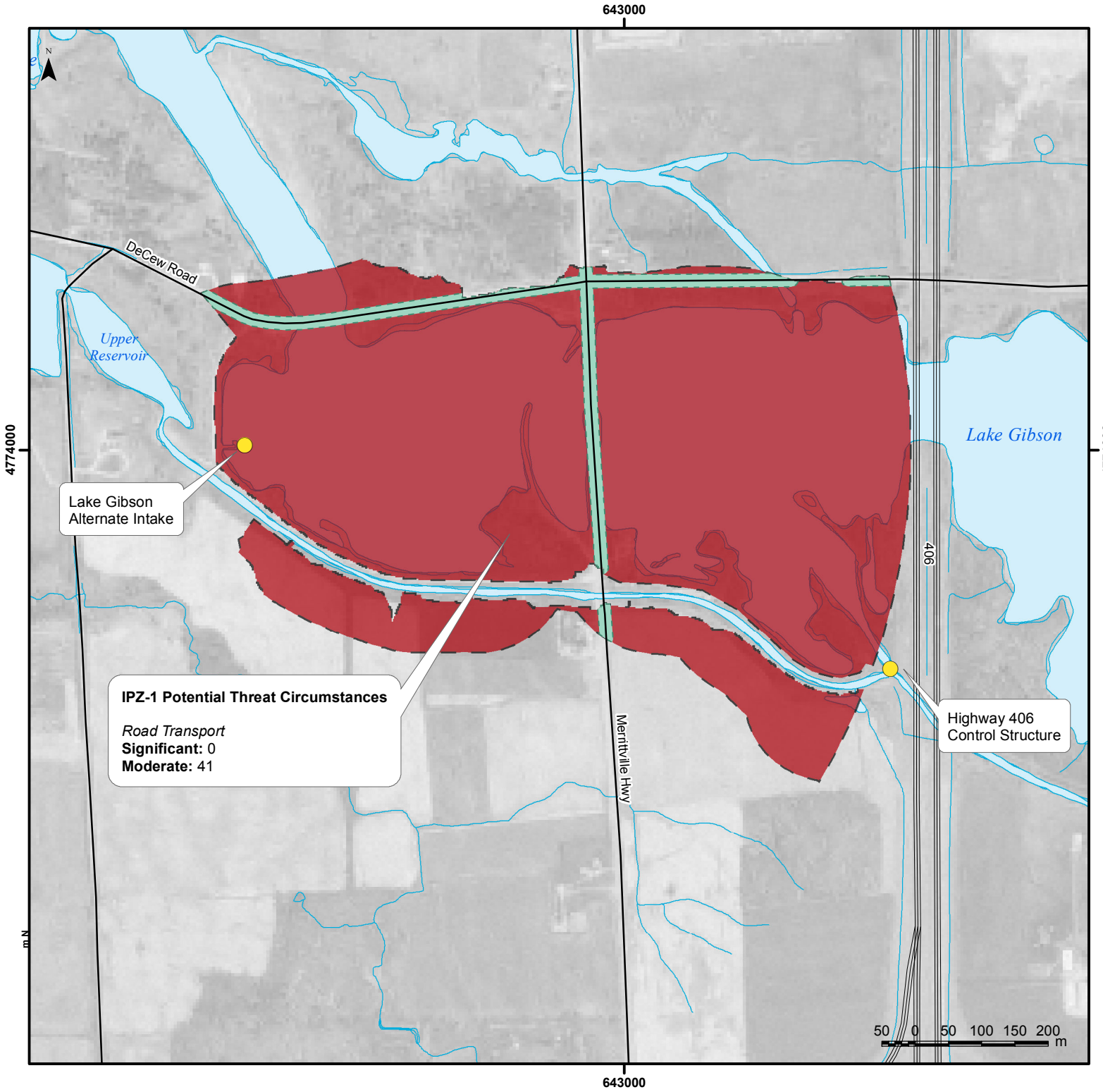
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Niagara Peninsula Source Protection Area Assessment Report

Figure No.	Revision No.	Date
7.12	**0**	**October 9, 2013**

Title

DeCew WTP Transportation Threat Corridors - Hwy 406 Control Structure



DRINKING WATER SOURCE PROTECTION
Niagara Peninsula Source Protection Area

NIAGARA PENINSULA CONSERVATION AUTHORITY

Ontario

Legend

- Intake
- Municipal WTP
- IPZ-1
- Watercourse
- Road
- Major Highway
- Roadway Corridor

Notes:

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Niagara Peninsula Source Protection Area Assessment Report

Figure No.	Revision No.	Date
7.13	**0**	**October 9, 2013**

Title

DeCew Falls WTP Transportation Threat Corridors - Alternate Intake