

# LAKE ONTARIO SHORELINE MANAGEMENT PLAN HAZARD MAPS

## Lower Trent Conservation Authority (LTRCA)

### LEGEND:

#### Hazard Mapping:

- 100 Year Flood Level
- Flood Hazard Limit
- Erosion Hazard Limit
- Dynamic Beach Setback

#### Base Mapping:

- Geographical Names
- Dynamic Beach (Start Pt)
- Dynamic Beach (End Pt)
- Road Network
- LTRCA Administrative Boundary

### INTERPRETATION OF THE HAZARD MAPS:

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### DATA SOURCES:

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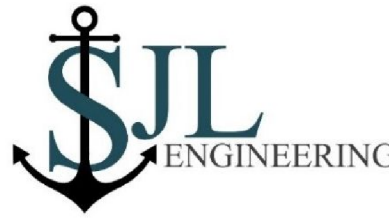
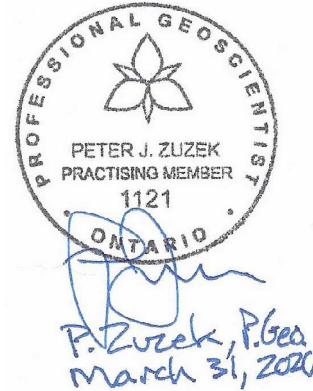
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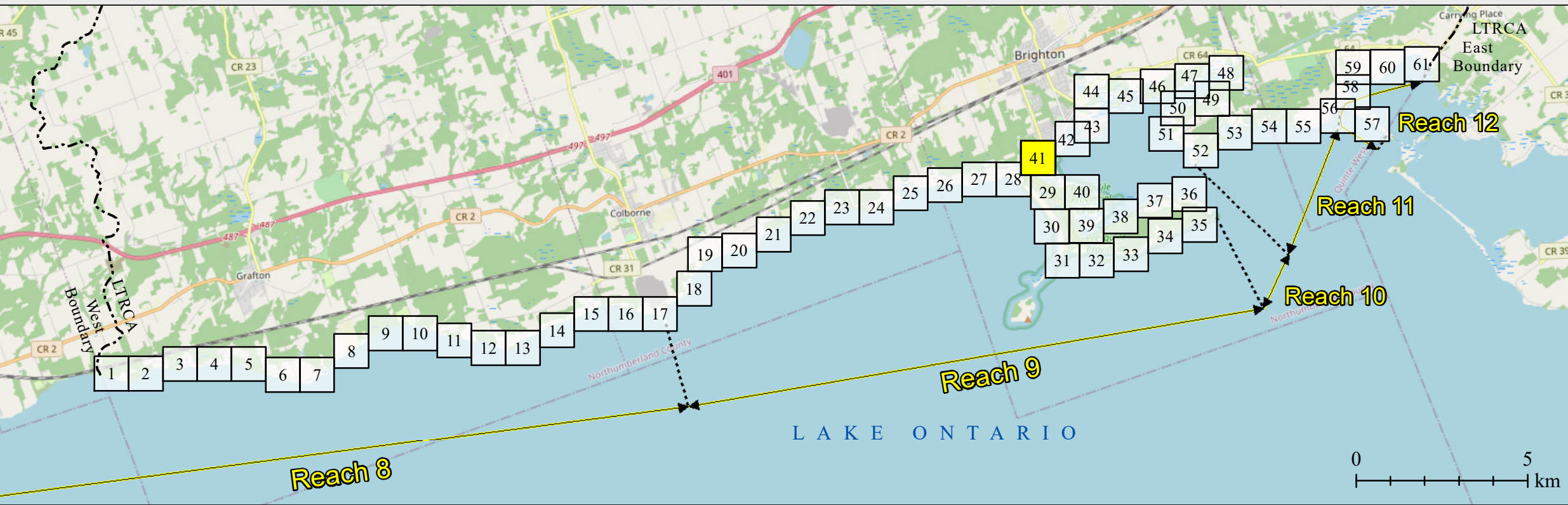
Inset Map: © OpenStreetMap contributors

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#### Flood Hazard Limit

The Flood Hazard Limit is defined as the 100-Year Flood Level plus an allowance for wave runup and uprush. For the exposed shoreline, wave effects are calculated based on localized nearshore conditions and waves. For embayments, the standardized 15 m setback is applied. Refer to the Lake Ontario Shoreline Management Plan for additional details.

#### Toe of Bluff

The Toe of Bluff is the transition from the gently sloping beach to the steep portion of the bank or bluff slope.

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Mapping prepared by Zuzek Inc. for the Lower Trent Region Conservation Authority.

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Lower Trent Region Conservation Authority  
714 Murray Street, R.R. 1  
Trenton, Ontario, K8V 5P4  
Phone: 613-394-4829  
Web: www.ltrc.on.ca

LTRCA Map  
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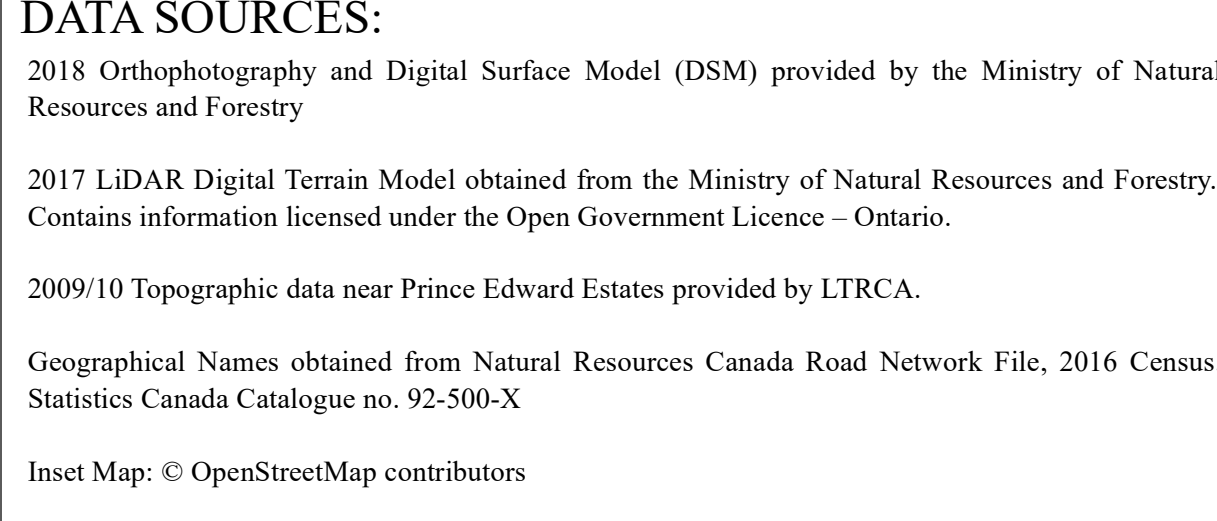
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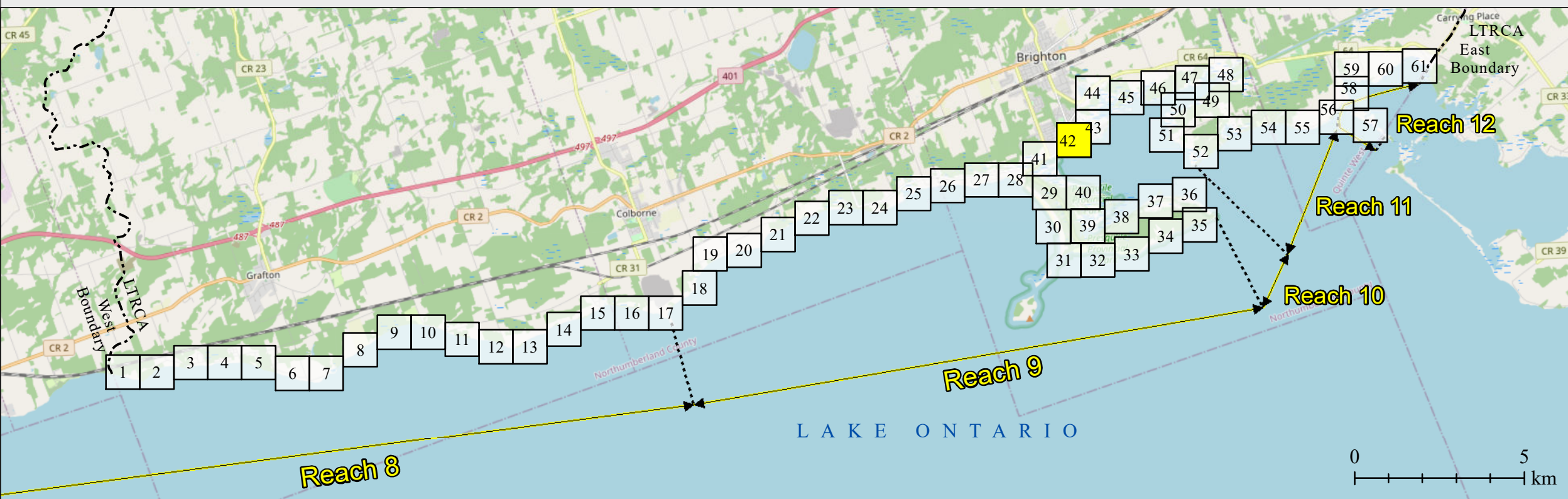


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Horizontal: UTM 18N NAD1983, metres.  
Vertical: CGVD2013, metres

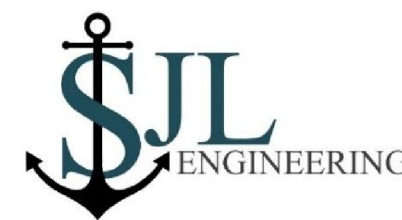
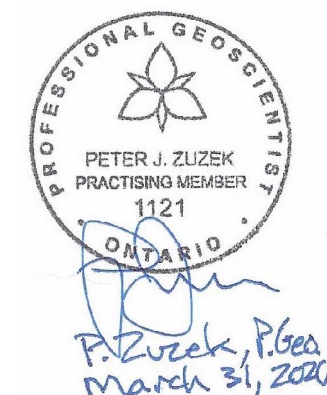
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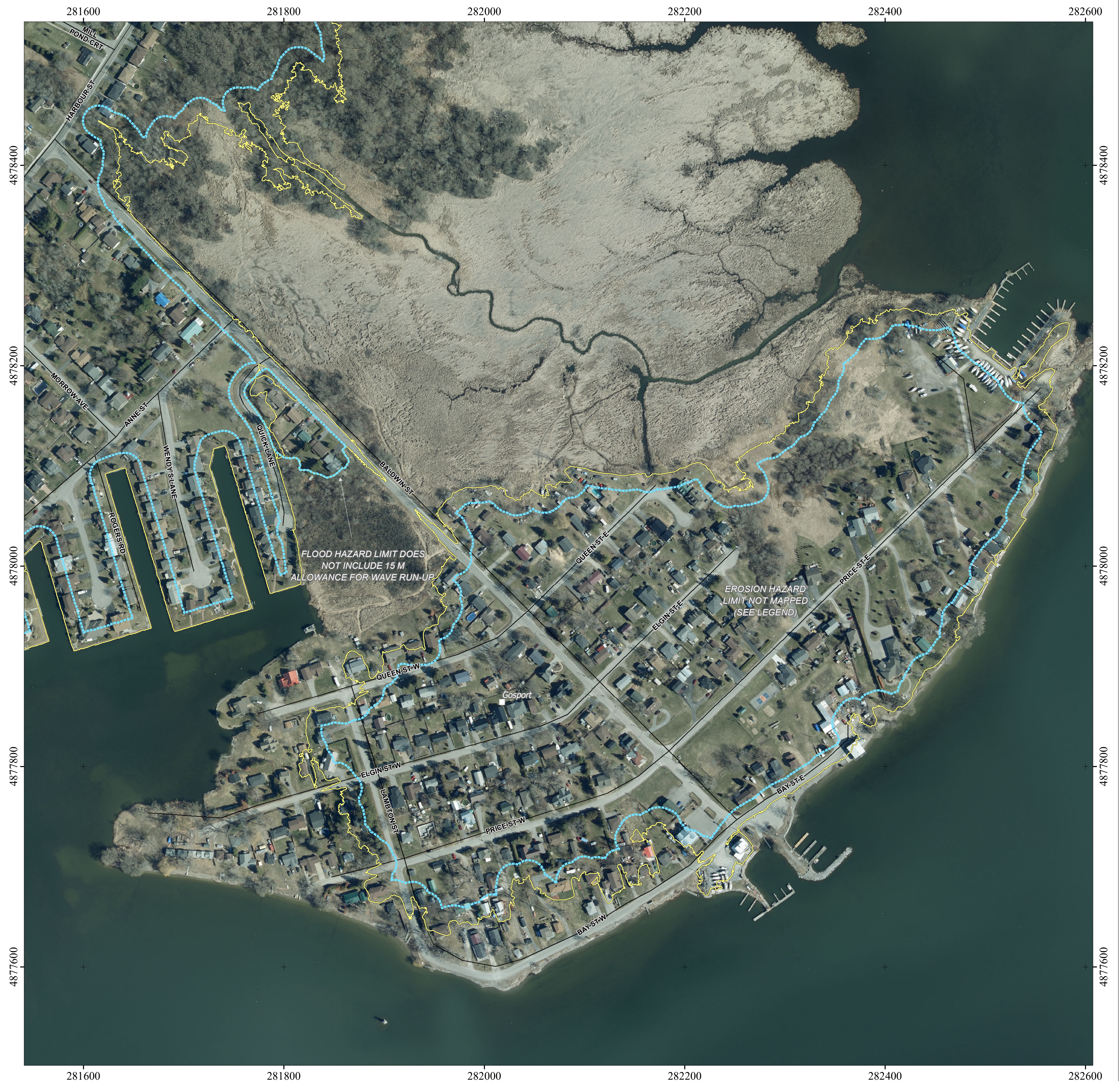
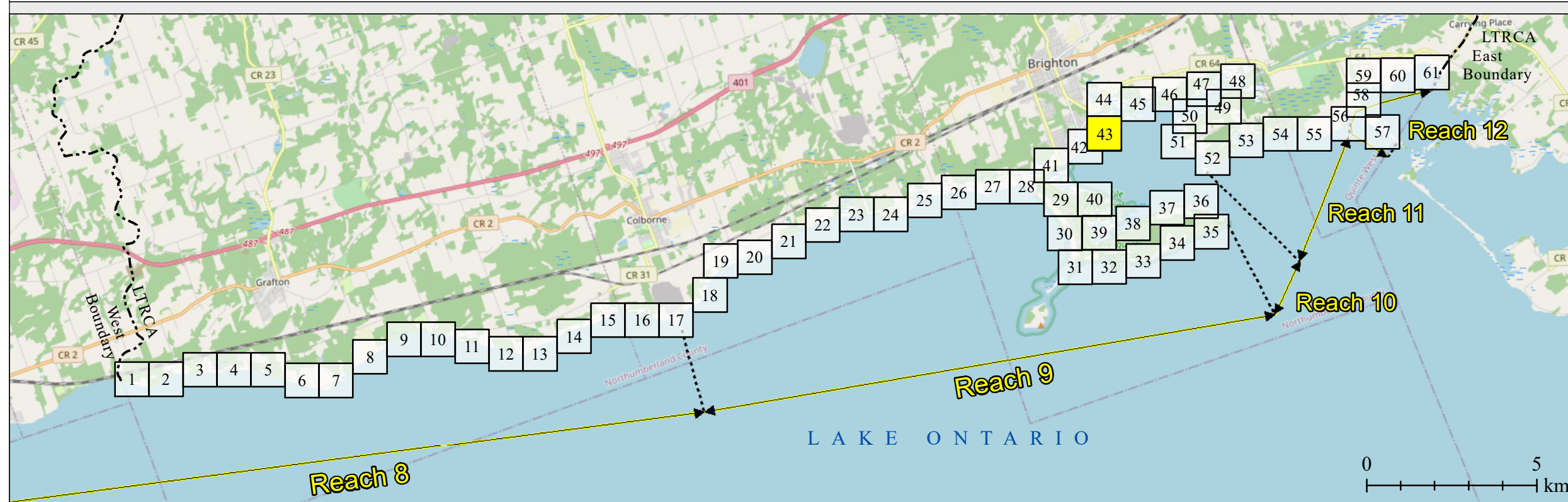


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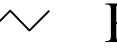

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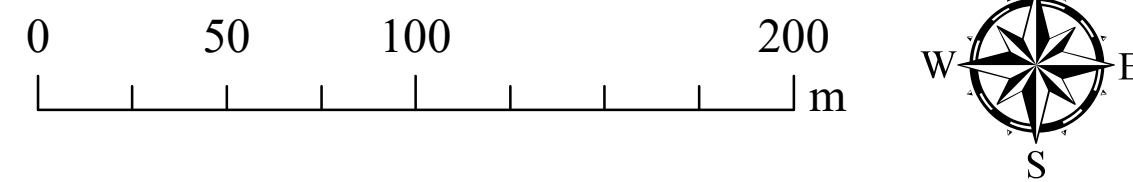
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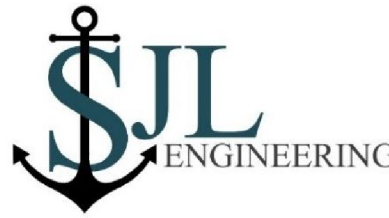
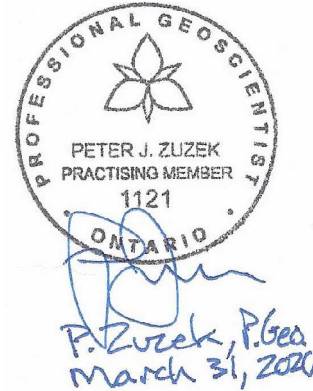
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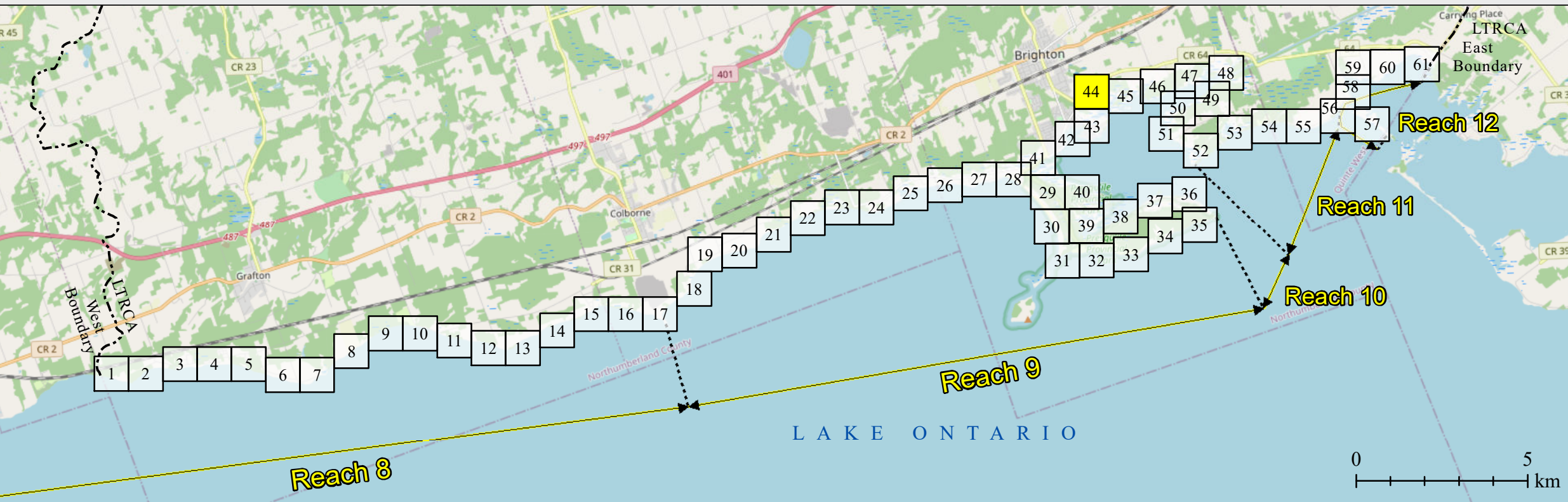


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# LAKE ONTARIO SHORELINE MANAGEMENT PLAN HAZARD MAPS



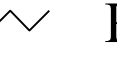

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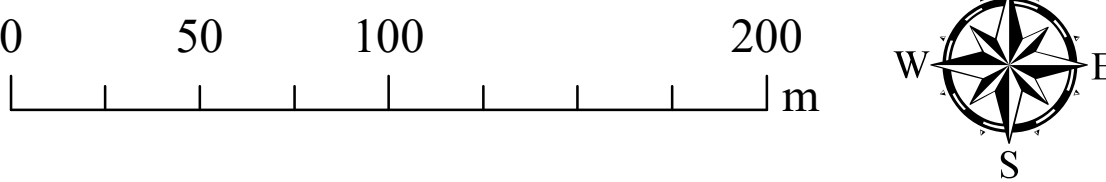
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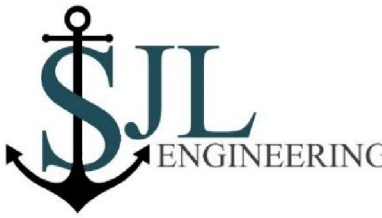
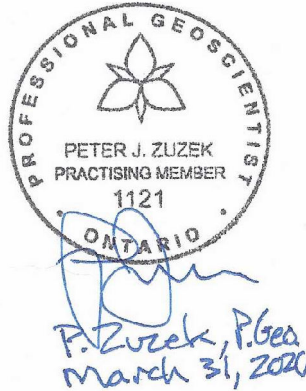
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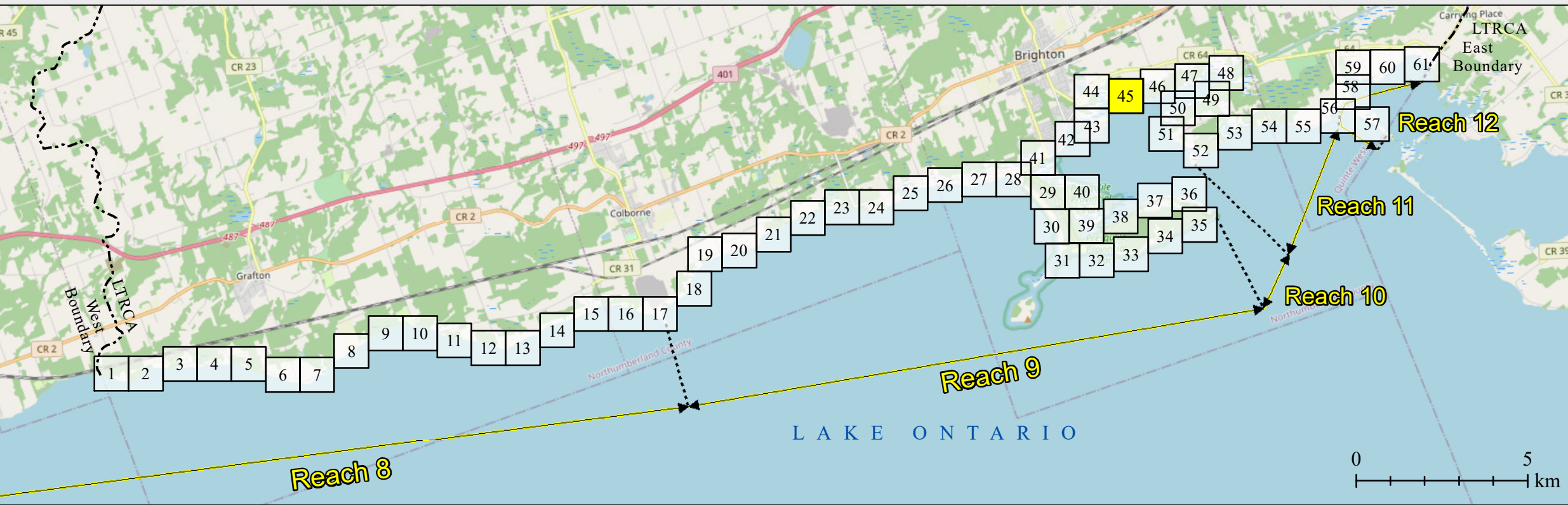


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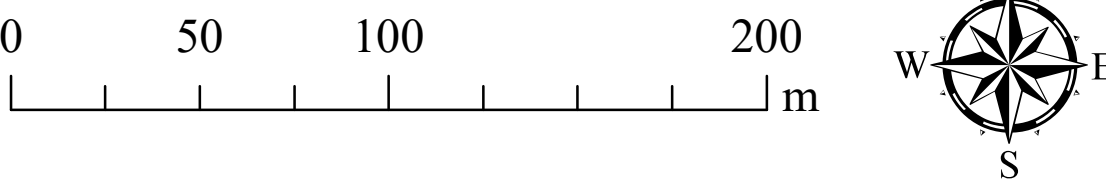
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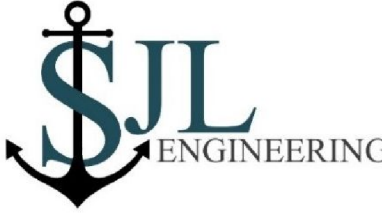
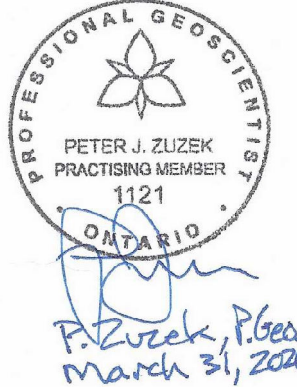
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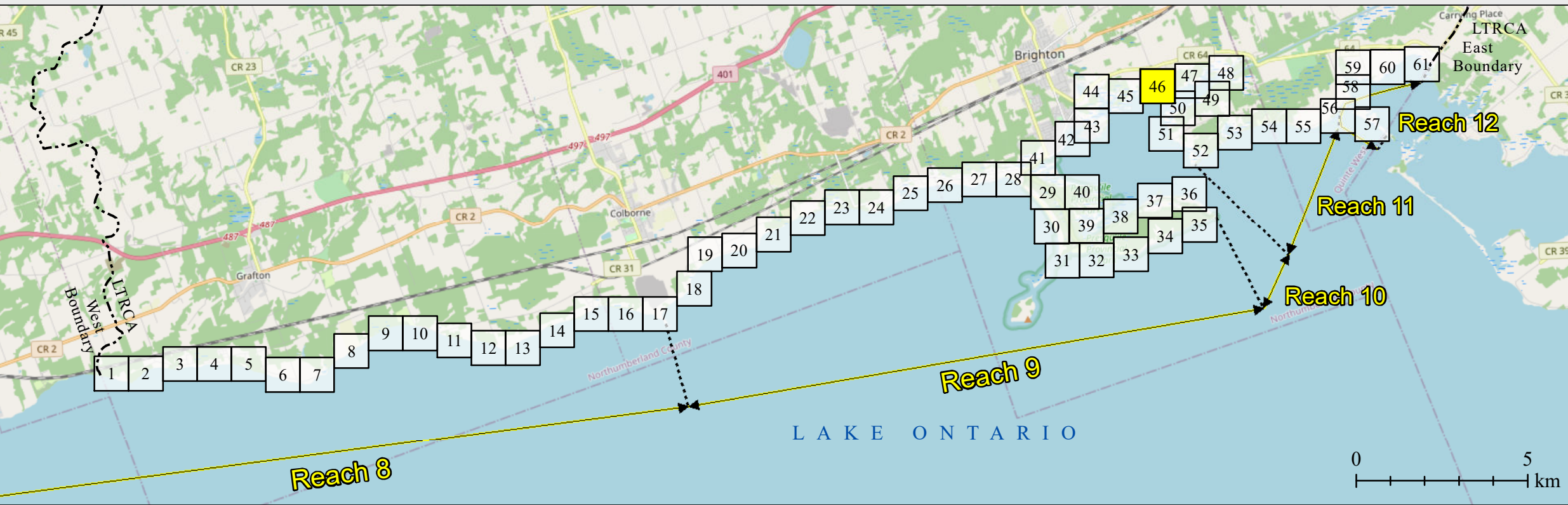


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- LTRCA Administrative Boundary

INTERPRETATION OF THE HAZARD MAPS:

The hazard maps were prepared to support the Lake Ontario Shoreline Management Plan. The hazard limits are not the official regulatory limits of the Conservation Authority. Please contact the Conservation Authority for additional details on the regulatory limit and implications for new development.

DATA SOURCES:

2018 Orthophotography and Digital Surface Model (DSM) provided by the Ministry of Natural Resources and Forestry

2017 LiDAR Digital Terrain Model obtained from the Ministry of Natural Resources and Forestry. Contains information licensed under the Open Government Licence – Ontario.

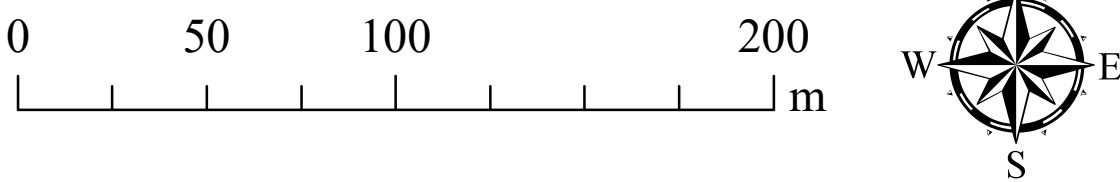
2009/10 Topographic data near Prince Edward Estates provided by LTRCA.

Geographical Names obtained from Natural Resources Canada Road Network File, 2016 Census. Statistics Canada Catalogue no. 92-500-X

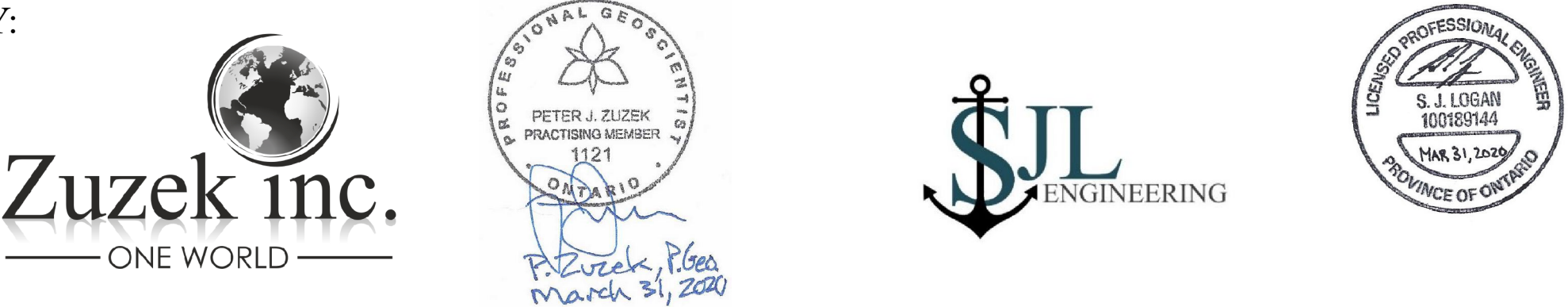
Inset Map: © OpenStreetMap contributors

**Datums:**  
Horizontal: UTM 18N NAD1983, metres.  
Vertical: CGVD2013, metres

**Datum Conversion:**  
IGLD1985 - CGVD2013 = 0.41 m (average)  
To convert from IGLD85 to CGVD2013, subtract 0.41 m.  
*Note: There are local variations along the reaches within LTRCA. Refer to the Lake Ontario SMP for additional details.*

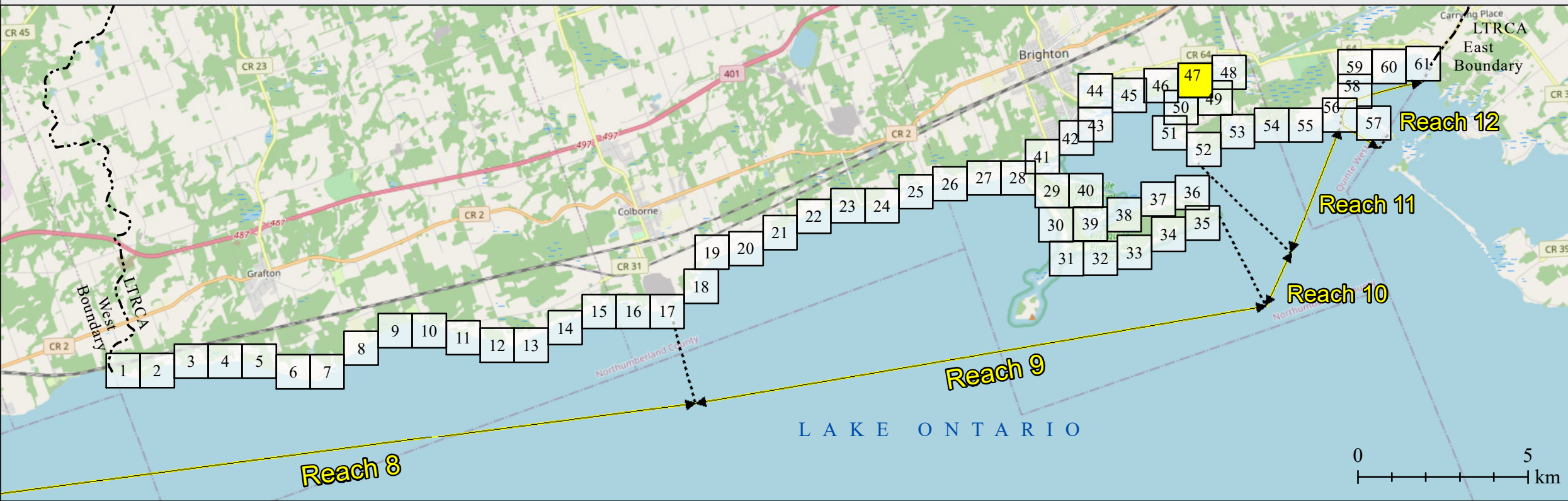


PREPARED BY:



This map was published in March 2020 for LTRCA. The mapping of hazardous lands, including erosion, flooding, and dynamic beach areas, is subject to change. The proponent of a proposed development on or adjacent to the hazardous lands should contact LTRCA to discuss permit requirements.

Every reasonable effort has been made to ensure the accuracy of this map. However, neither LTRCA, Zuzek Inc., SJL Engineering, or any other affiliated party assume any liability arising from its use. This map is provided without warranty of any kind, either expressed or implied.



Mapping prepared by Zuzek Inc. for the Lower Trent Region Conservation Authority.



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