# Ganaraska Region Conservation Authority (GRCA)

#### 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
- GRCA Administrative Boundary

#### INTERPRETATION OF THE HAZARD MAPS:

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Inset Map: © OpenStreetMap contributors

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The 100 Year Combined Flood Level considers both static lake level and storm surge, having a combined probability of being equalled or exceeded during any year of 1% (i.e., probability, P=0.01). The 100 Year Combined Flood Level elevation for GRCA is +76.01 m IGLD85 (+75.55 m to +75.60 m CGVD2013).

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#### Stable Slope Allowance

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Note: There are local variations along the reaches within GRCA. Refer to the Lake Ontario SMP for additional details.



MAP PUBLISHED MARCH 2020

# PREPARED BY:









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# PREPARED BY:



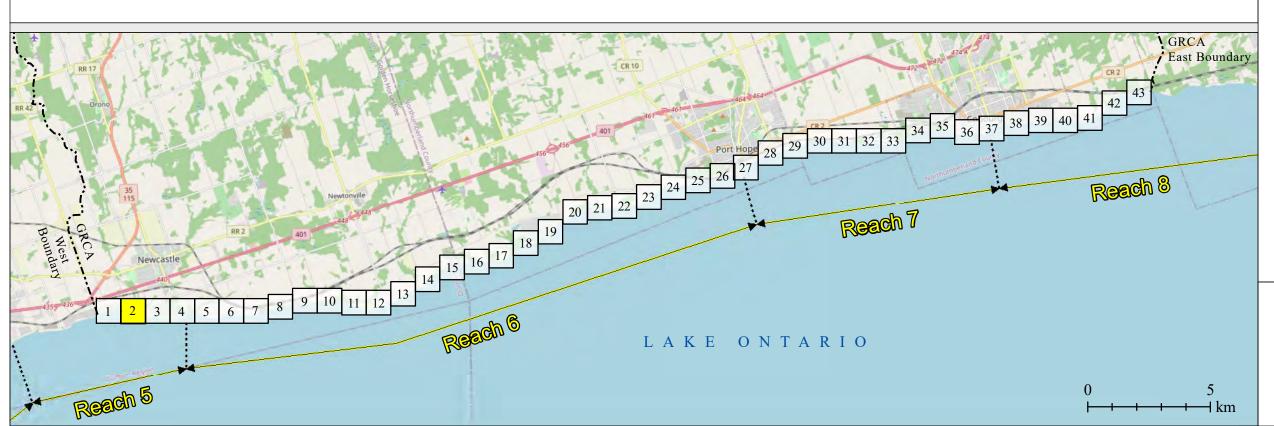


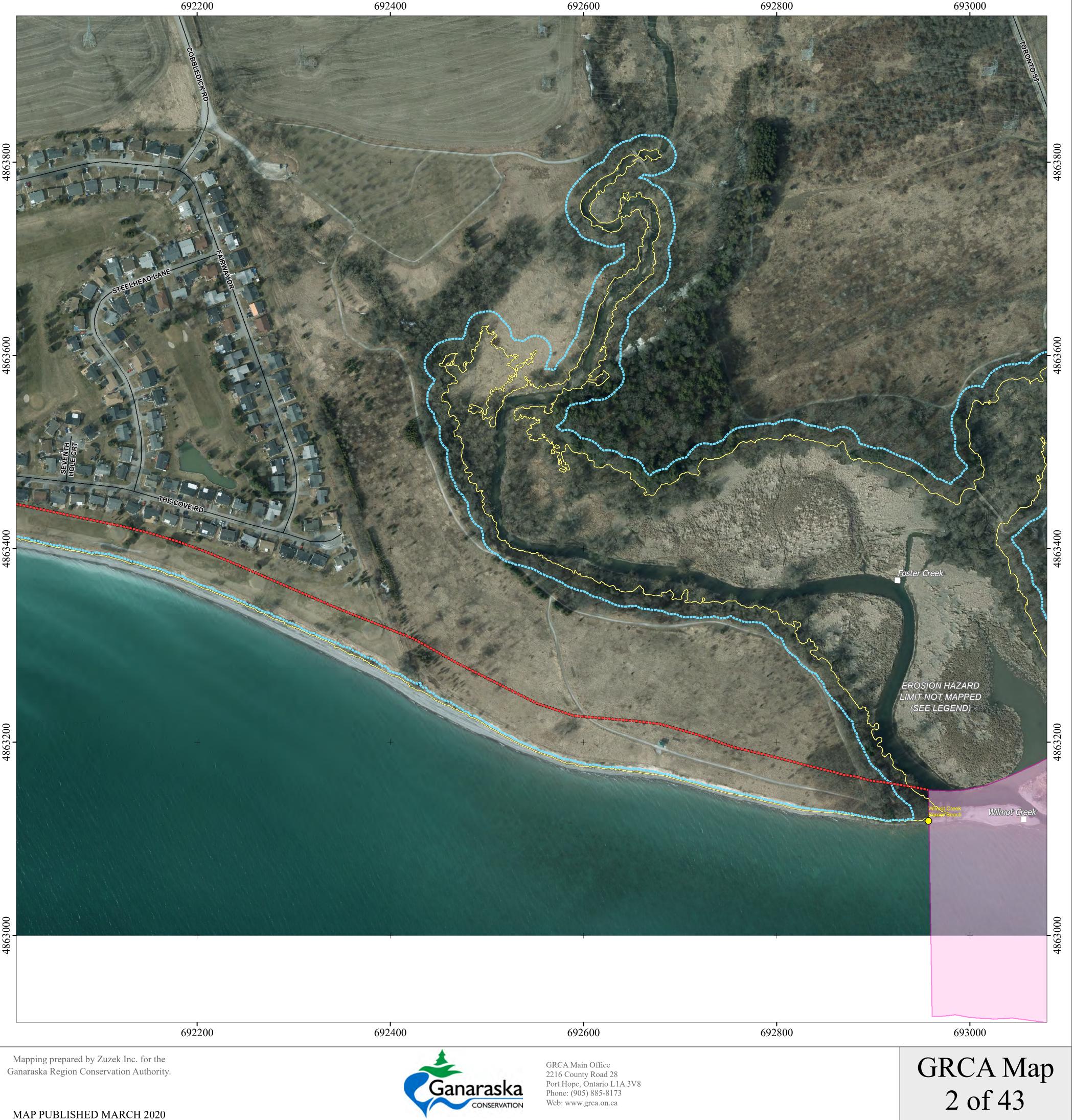




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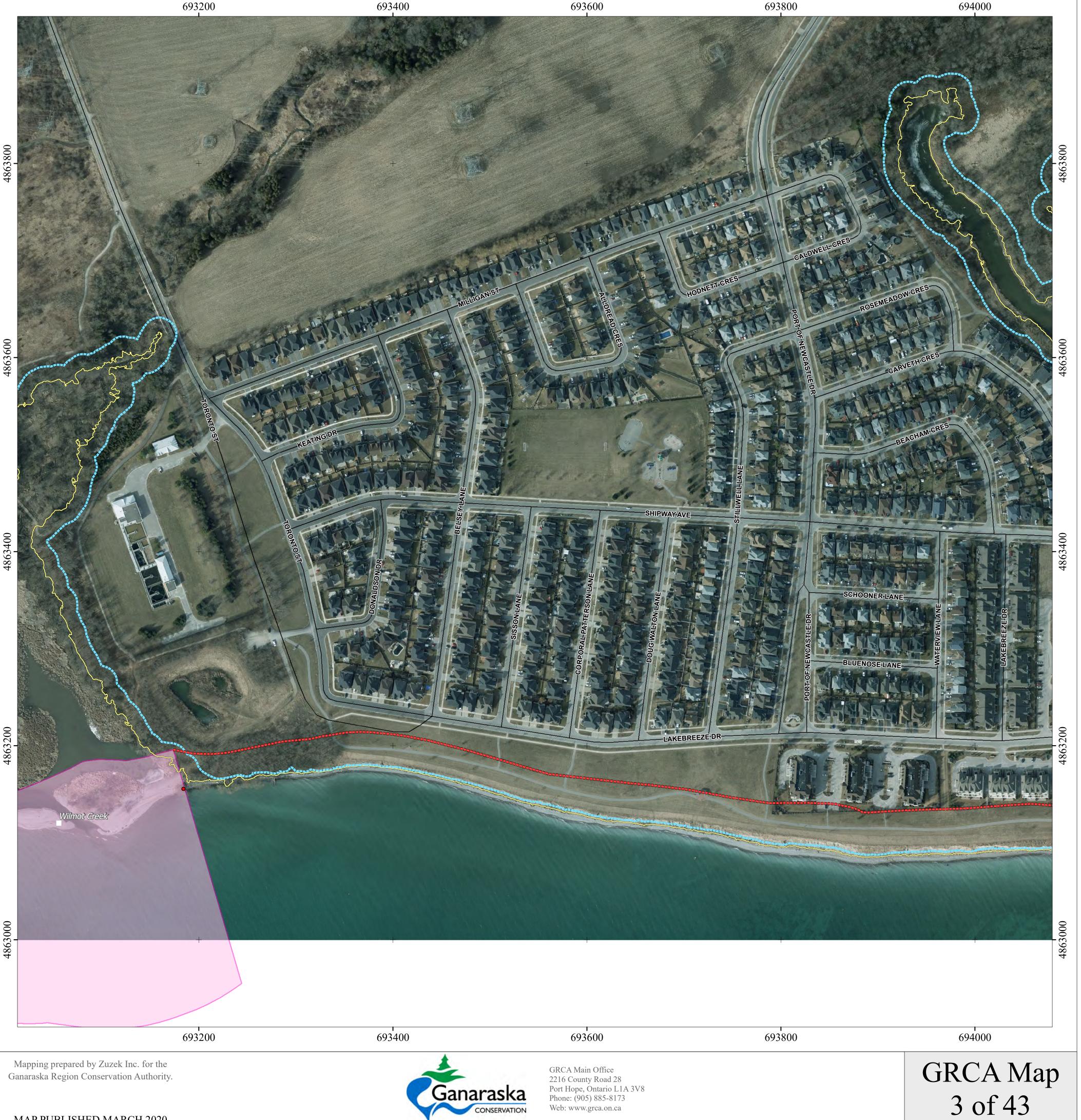




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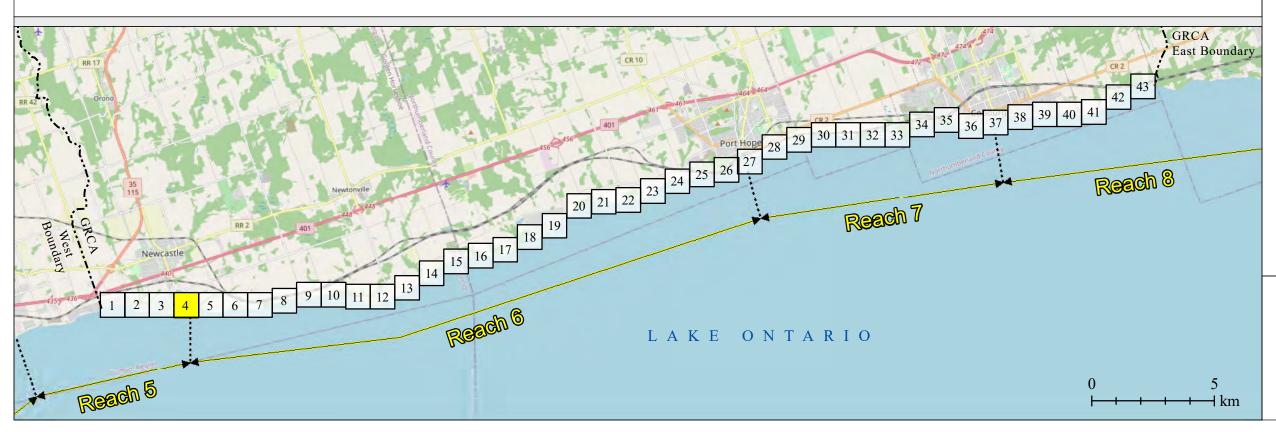






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Mapping prepared by Zuzek Inc. for the Ganaraska Region Conservation Authority.

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# Ganaraska Region Conservation Authority (GRCA)

#### LEGEND:

# **Hazard Mapping:**

100 Year Flood Level

Flood Hazard Limit

**Erosion Hazard Limit** 

Dynamic Beach Setback

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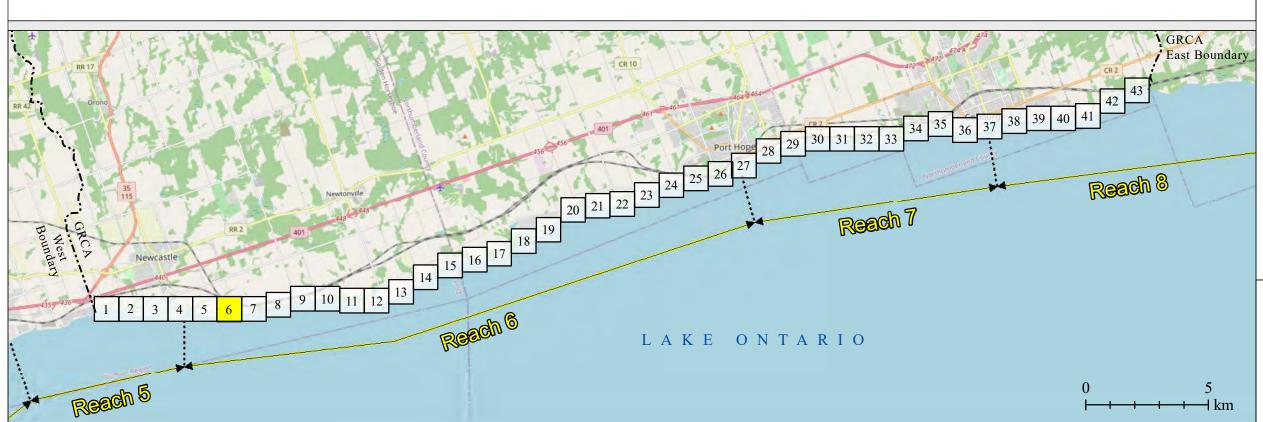






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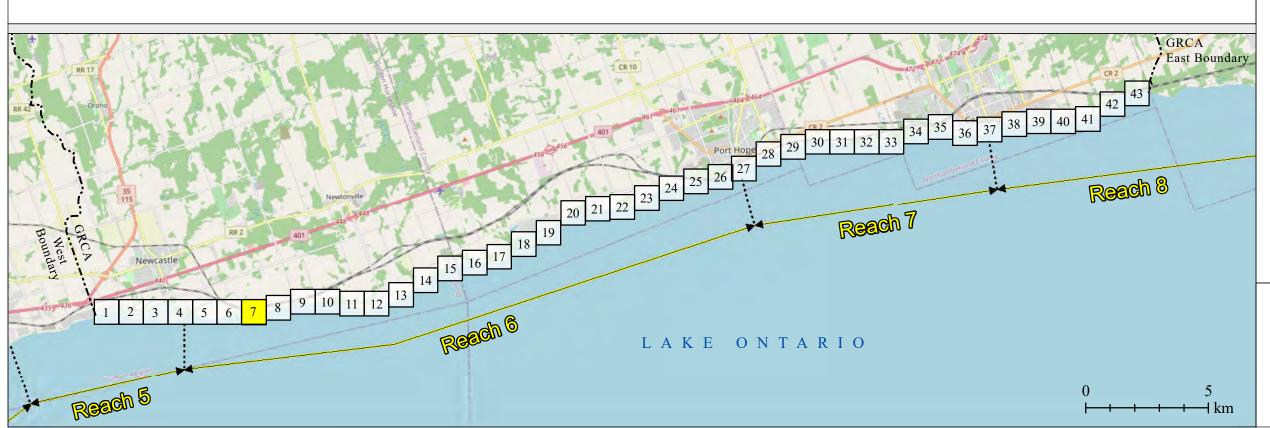






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The landward extent of the Erosion Hazard is the sum of the 100 year erosion rate plus the Stable Slope Allowance, measured horizontally from the toe of the bank or bluff.

The Erosion Hazard Limit is not mapped in sheltered waters, however, localized shoreline/riverine erosion may occur and is subject to review by the Conservation Authority.

#### **Dynamic Beach Hazard Limit**

The Dynamic Beach Hazard Limit is defined as the sum of the Flood Hazard plus 30 metres measured horizontally. If the dynamic beach is eroding, an additional erosion allowance is included and a separate Erosion Hazard Limit is not shown. Refer to the Lake Ontario Shoreline Management Plan report for additional details.

#### **Datum Conversion:**

Horizontal: UTM 17N NAD1983, metres. Vertical: CGVD2013, metres

IGLD1985 - CGVD2013 = 0.42 m (average)To convert from IGLD85 to CGVD2013, subtract

Note: There are local variations along the reaches within GRCA. Refer to the Lake Ontario SMP for additional details.



#### PREPARED BY:









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# Ganaraska Region Conservation Authority (GRCA)

# 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
- GRCA Administrative Boundary

#### INTERPRETATION OF THE HAZARD MAPS:

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

Inset Map: © OpenStreetMap contributors

#### **DEFINITIONS:**

#### 100 Year Flood Level

The 100 Year Combined Flood Level considers both static lake level and storm surge, having a combined probability of being equalled or exceeded during any year of 1% (i.e., probability, P=0.01). The 100 Year Combined Flood Level elevation for GRCA is +76.01 m IGLD85 (+75.55 m to +75.60 m CGVD2013).

#### 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

#### 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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# Ganaraska Region Conservation Authority (GRCA)

#### 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
- GRCA Administrative Boundary

#### INTERPRETATION OF THE HAZARD MAPS:

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#### **DEFINITIONS:**

#### 100 Year Flood Level

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#### PREPARED BY:



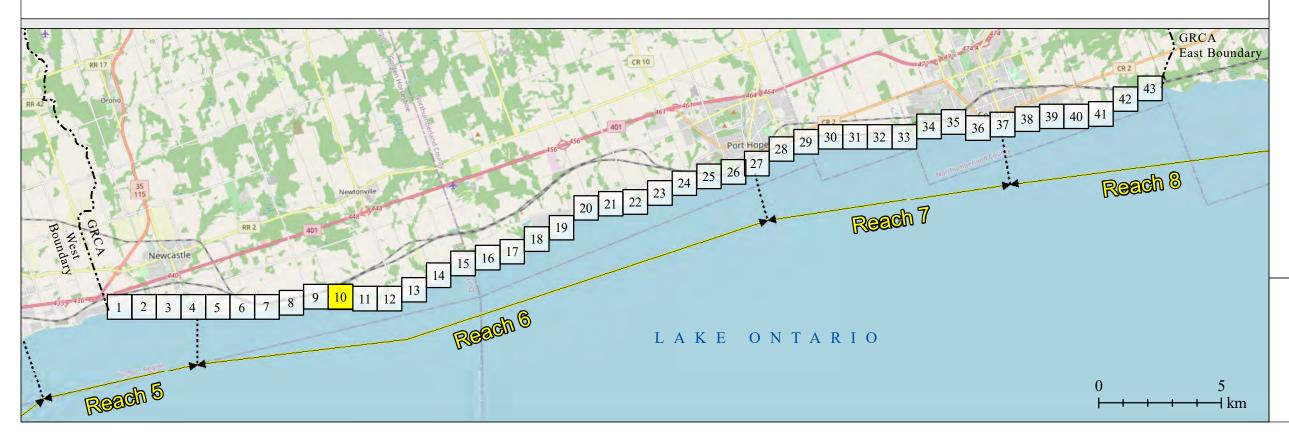






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# Ganaraska Region Conservation Authority (GRCA)

#### 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
- GRCA Administrative Boundary

#### INTERPRETATION OF THE HAZARD MAPS:

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#### **DEFINITIONS:**

#### 100 Year Flood Level

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# Ganaraska Region Conservation Authority (GRCA)

#### 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
- GRCA Administrative Boundary

#### INTERPRETATION OF THE HAZARD MAPS:

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Inset Map: © OpenStreetMap contributors

#### **DEFINITIONS:**

#### 100 Year Flood Level

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GRCA Map 12 of 43

# Ganaraska Region Conservation Authority (GRCA)

#### 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)
- GRCA Administrative Boundary

#### INTERPRETATION OF THE HAZARD MAPS:

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#### DEFINITIONS:

#### 100 Year Flood Level

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#### Stable Slope Allowance

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#### **Erosion Hazard Limit**

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#### Datum Conversion:

Datums:
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#### PREPARED BY:



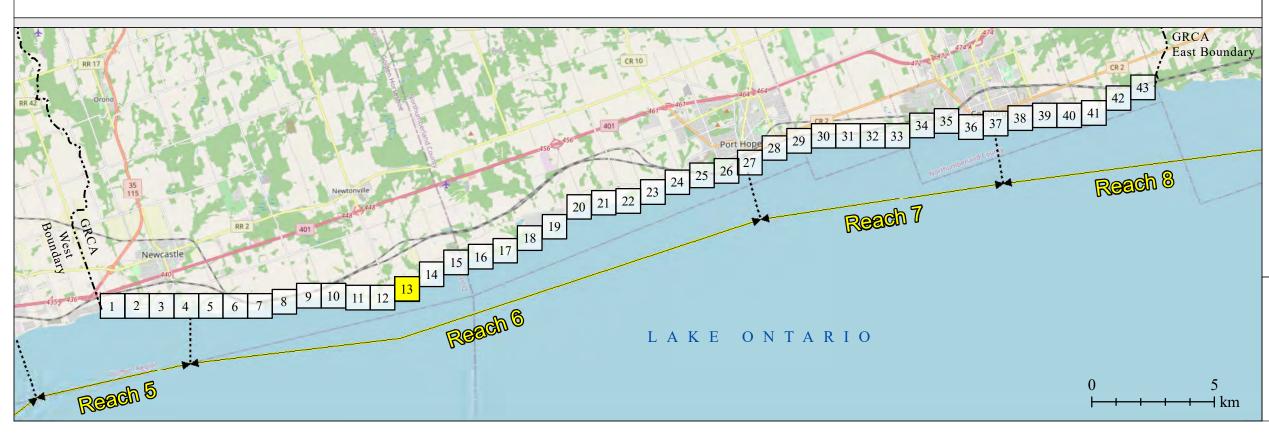






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Mapping prepared by Zuzek Inc. for the Ganaraska Region Conservation Authority.

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703200



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# Ganaraska Region Conservation Authority (GRCA)

# LEGEND:

# **Hazard Mapping:**

100 Year Flood Level



**Erosion Hazard Limit** 

Dynamic Beach Setback

# Base Mapping:

- Geographical Names
- Dynamic Beach (Start Pt)
- Dynamic Beach (End Pt)
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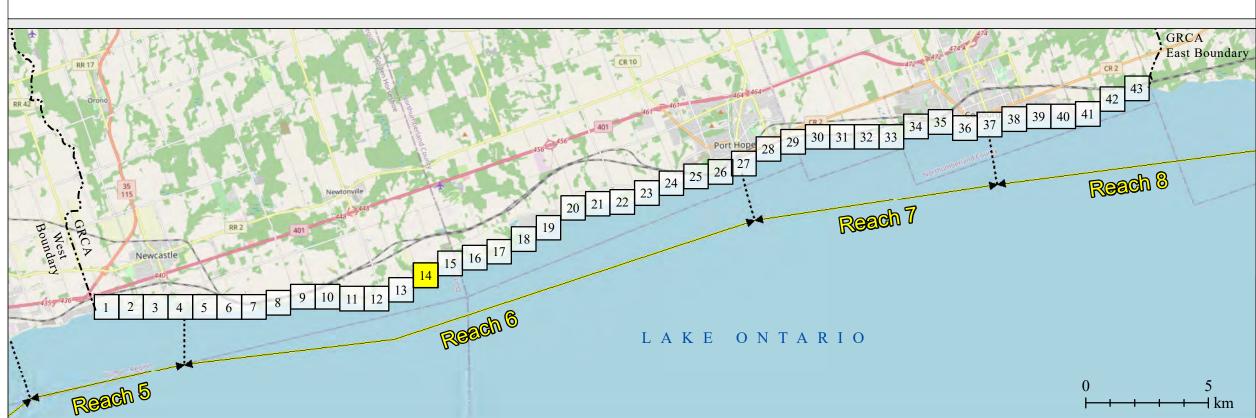






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GRCA Map 14 of 43

# Ganaraska Region Conservation Authority (GRCA)

### LEGEND:

# **Hazard Mapping:**

100 Year Flood Level

Flood Hazard Limit

**Erosion Hazard Limit** 

Dynamic Beach Setback

# Base Mapping:

- Geographical Names
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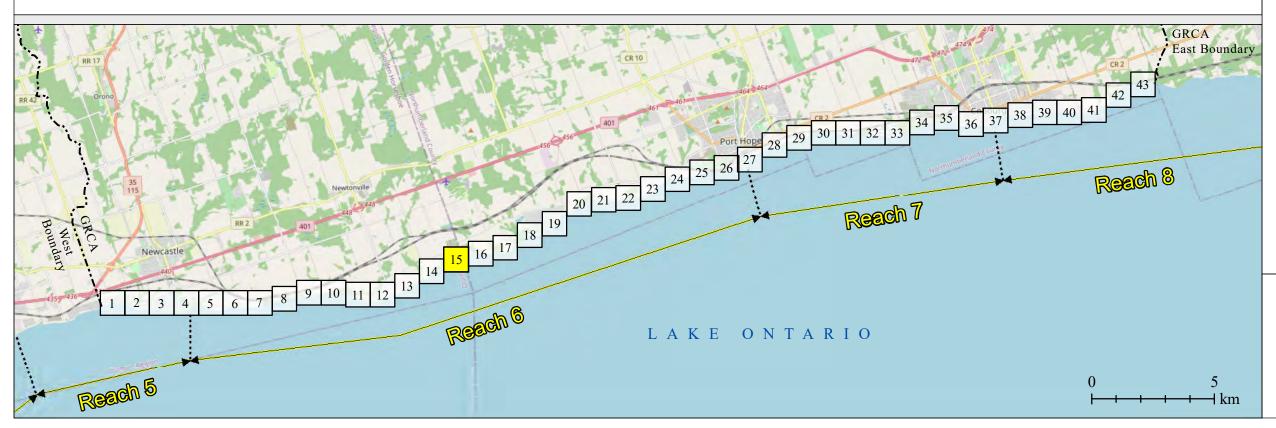






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# Ganaraska Region Conservation Authority (GRCA)

#### 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
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Inset Map: © OpenStreetMap contributors

#### **DEFINITIONS:**

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The 100 Year Combined Flood Level considers both static lake level and storm surge, having a combined probability of being equalled or exceeded during any year of 1% (i.e., probability, P=0.01). The 100 Year Combined Flood Level elevation for GRCA is +76.01 m IGLD85 (+75.55 m to +75.60 m CGVD2013).

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# PREPARED BY:





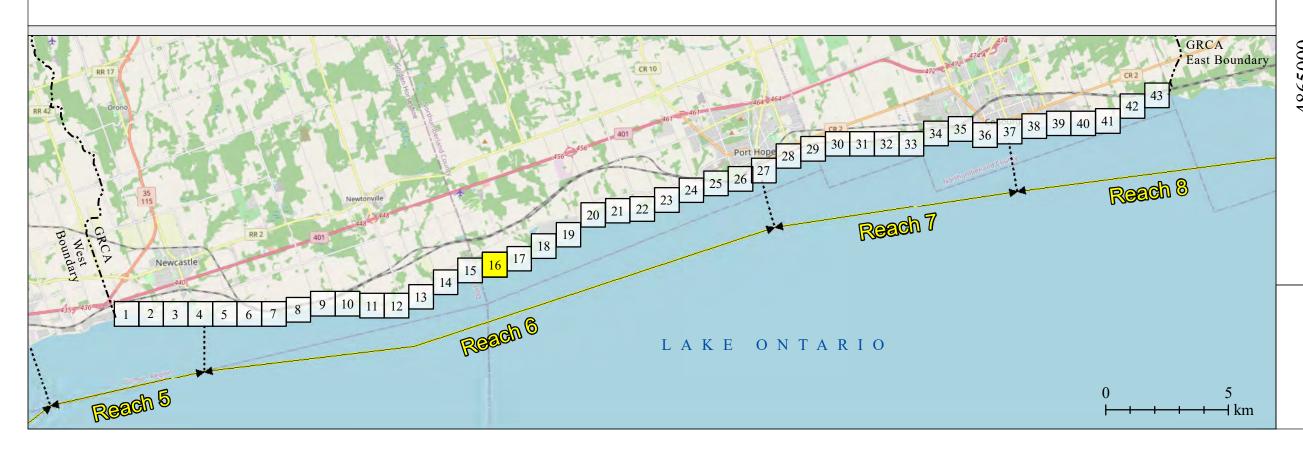




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Ganaraska

# Ganaraska Region Conservation Authority (GRCA)

#### 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)
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- GRCA Administrative Boundary

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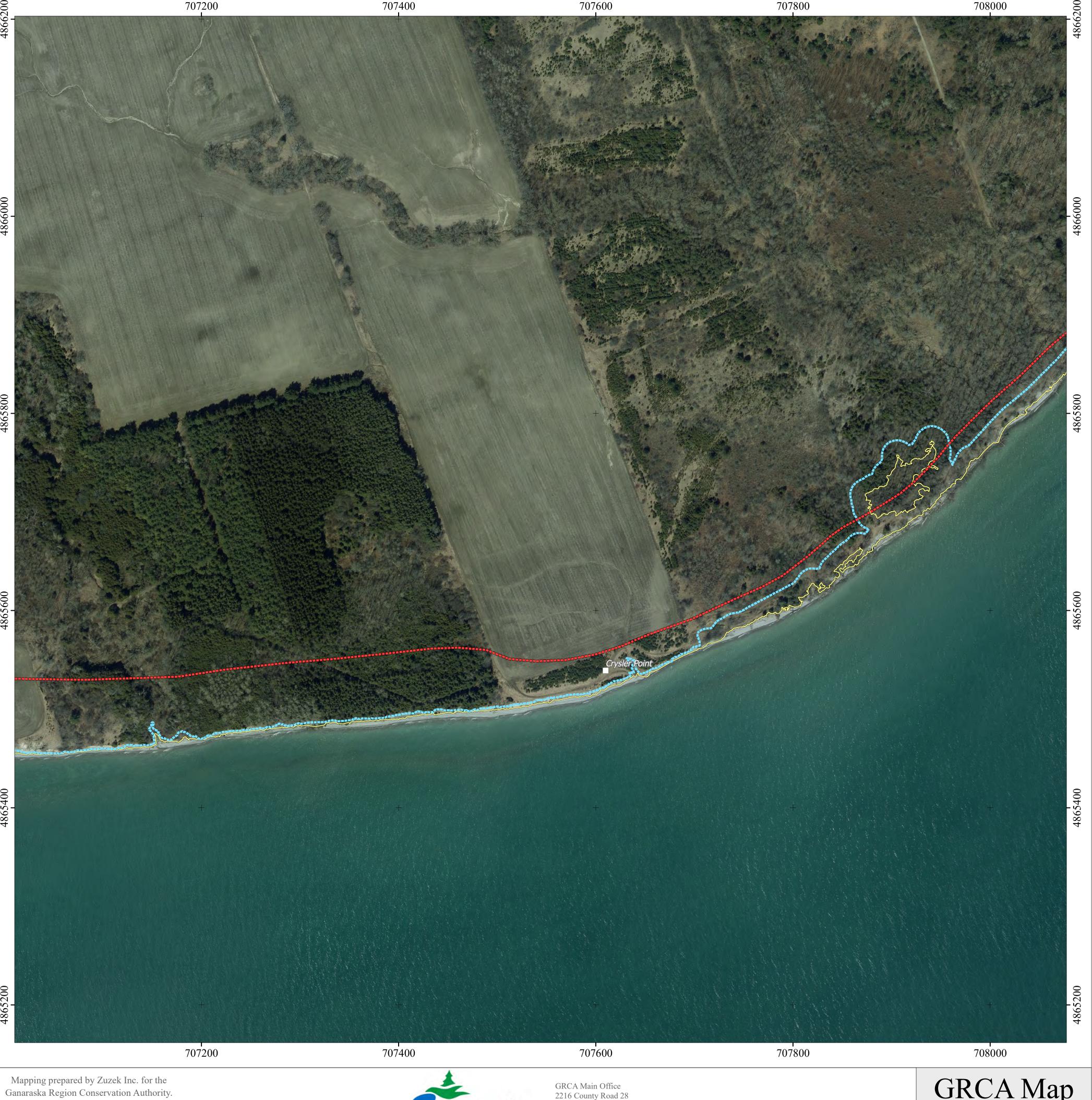




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GRCA Map 17 of 43

# Ganaraska Region Conservation Authority (GRCA)

#### LEGEND:

# **Hazard Mapping:**

100 Year Flood Level

Flood Hazard Limit

**Erosion Hazard Limit** 

Dynamic Beach Setback

# Base Mapping:

- Geographical Names
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# Ganaraska Region Conservation Authority (GRCA)

### LEGEND:

# **Hazard Mapping:**

100 Year Flood Level

Flood Hazard Limit

**Erosion Hazard Limit** 

Dynamic Beach Setback

# Base Mapping:

- Geographical Names
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- Dynamic Beach (End Pt)
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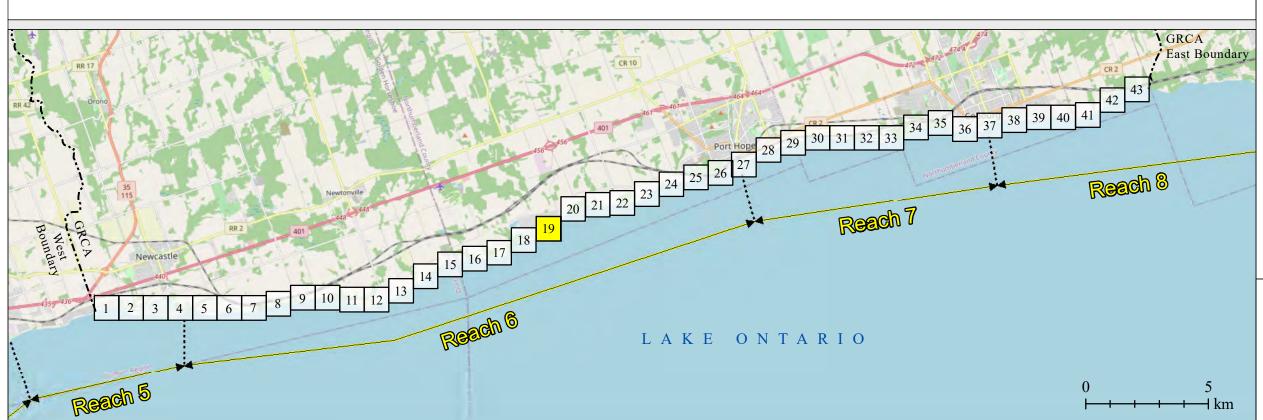






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GRCA Map 19 of 43

# Ganaraska Region Conservation Authority (GRCA)

#### LEGEND:

# **Hazard Mapping:**

// 100 Year Flood Level

Flood Hazard Limit

Erosion Hazard Limit

Dynamic Beach Setback

# Base Mapping:

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#### PREPARED BY:



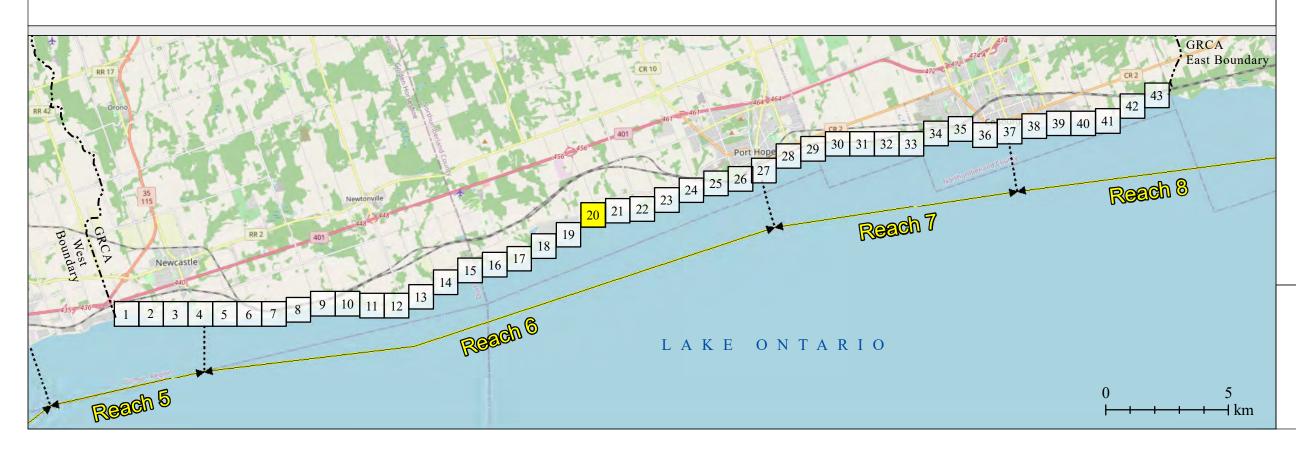






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GRCA Map 20 of 43

711000

# Ganaraska Region Conservation Authority (GRCA)

#### LEGEND:

# **Hazard Mapping:**

100 Year Flood Level

Flood Hazard Limit

**Erosion Hazard Limit** 

Dynamic Beach Setback

# Base Mapping:

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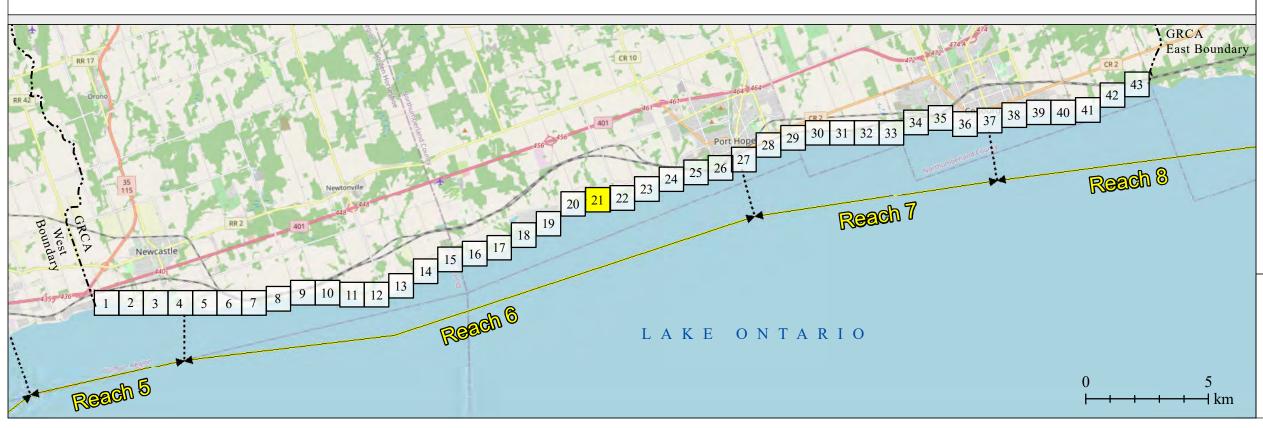






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GRCA Map 21 of 43

# Ganaraska Region Conservation Authority (GRCA)

#### LEGEND:

# Hazard Mapping:

// 100 Year Flood Level

Flood Hazard Limit

Erosion Hazard Limit

Dynamic Beach Setback

# Base Mapping:

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Mapping prepared by Zuzek Inc. for the Ganaraska Region Conservation Authority.

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# Ganaraska Region Conservation Authority (GRCA)

# LEGEND:

# **Hazard Mapping:**

100 Year Flood Level

Flood Hazard Limit

**Erosion Hazard Limit** 

Dynamic Beach Setback

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#### **Erosion Hazard Limit**

The landward extent of the Erosion Hazard is the sum of the 100 year erosion rate plus the Stable Slope Allowance, measured horizontally from the toe of the bank or bluff.

The Erosion Hazard Limit is not mapped in sheltered waters, however, localized shoreline/riverine erosion may occur and is subject to review by the Conservation Authority.

#### **Dynamic Beach Hazard Limit**

The Dynamic Beach Hazard Limit is defined as the sum of the Flood Hazard plus 30 metres measured horizontally. If the dynamic beach is eroding, an additional erosion allowance is included and a separate Erosion Hazard Limit is not shown. Refer to the Lake Ontario Shoreline Management Plan report for additional details.

#### **Datum Conversion:**

Horizontal: UTM 17N NAD1983, metres. Vertical: CGVD2013, metres

IGLD1985 - CGVD2013 = 0.42 m (average)To convert from IGLD85 to CGVD2013, subtract

Note: There are local variations along the reaches within GRCA. Refer to the Lake Ontario SMP for additional details.

#### PREPARED BY:



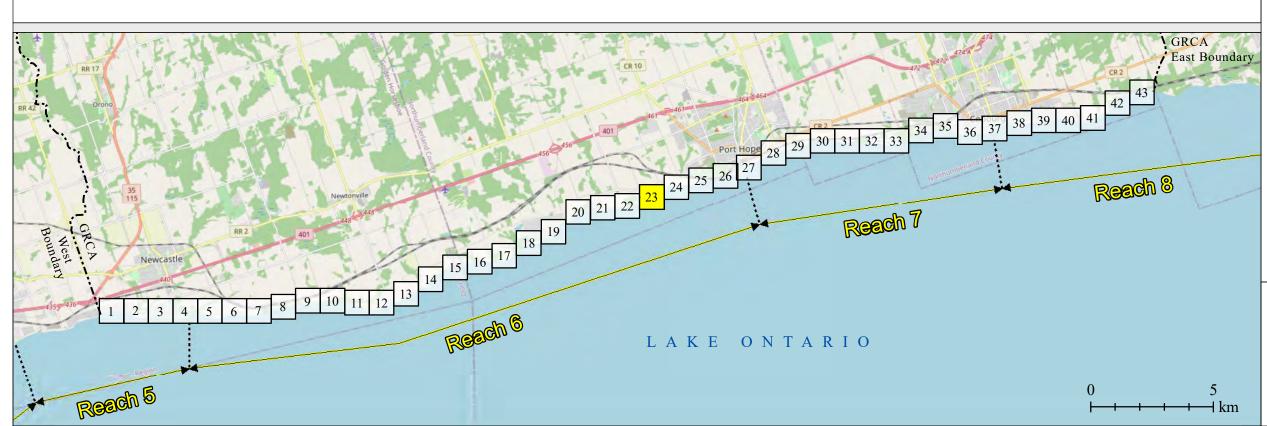






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# Ganaraska Region Conservation Authority (GRCA)

### 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
- GRCA Administrative Boundary

#### INTERPRETATION OF THE HAZARD MAPS:

The hazard maps were prepared to support the Lake Ontario Shoreline Management Plan. Wetland and riverine floodplains are not included on these hazard maps. The Dynamic Beach Setback is the onshore limit of the shaded pink polygon. The offshore limit in the lake highlights the linkages between overall beach stability and health, nearshore sediment resources, and longshore sediment transport. The hazard limit(s) are not the official regulatory limits of the Conservation Authority. Please contact the Conservation Authority for details on the regulatory limit and implications for any proposed work.

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Inset Map: © OpenStreetMap contributors

#### **DEFINITIONS:**

#### 100 Year Flood Level

The 100 Year Combined Flood Level considers both static lake level and storm surge, having a combined probability of being equalled or exceeded during any year of 1% (i.e., probability, P=0.01). The 100 Year Combined Flood Level elevation for GRCA is +76.01 m IGLD85 (+75.55 m to +75.60 m CGVD2013).

#### 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

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#### Stable Slope Allowance

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# Ganaraska Region Conservation Authority (GRCA)

# 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)
- GRCA Administrative Boundary

#### INTERPRETATION OF THE HAZARD MAPS:

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#### DEFINITIONS:

#### 100 Year Flood Level

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#### Datum Conversion:

Datums:
Horizontal: UTM 17N NAD1983, metres.
Vertical: CGVD2013, metres

Datum Conversion:

IGLD1985 - CGVD2013 = 0.42 m (average)

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Mapping prepared by Zuzek Inc. for the Ganaraska Region Conservation Authority.

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# Ganaraska Region Conservation Authority (GRCA)

#### 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)
- GRCA Administrative Boundary

#### INTERPRETATION OF THE HAZARD MAPS:

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#### DEFINITIONS:

#### 100 Year Flood Level

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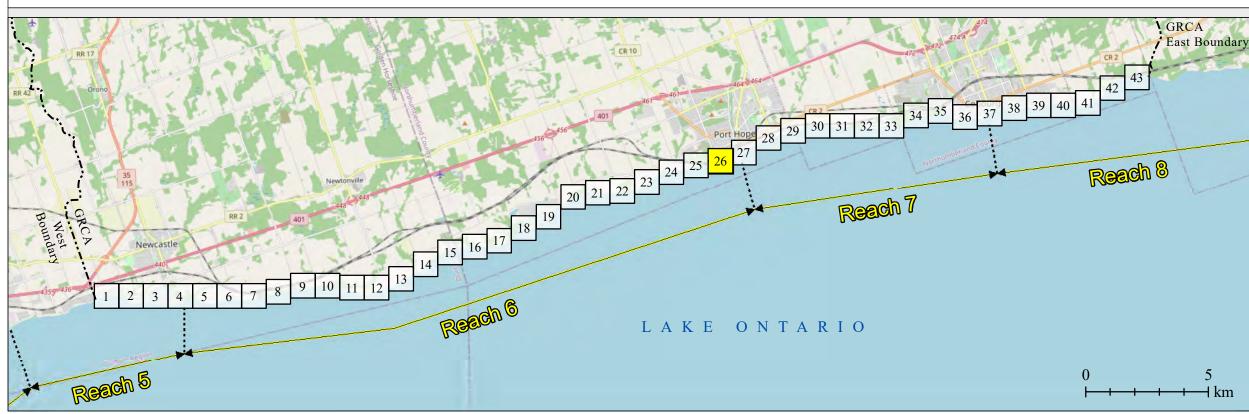






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# Ganaraska Region Conservation Authority (GRCA)

# 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
- GRCA Administrative Boundary

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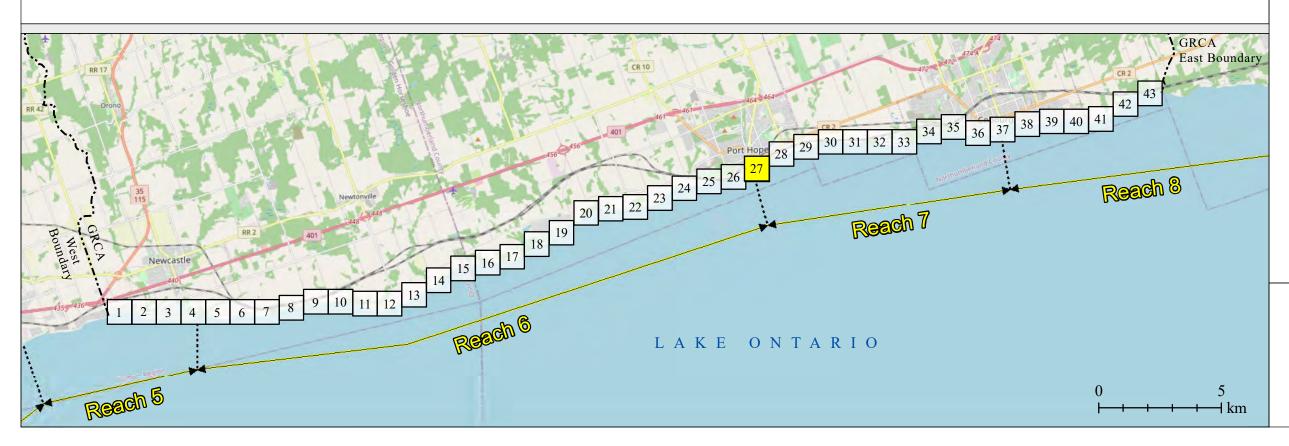






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Ganaraska

717400

# Ganaraska Region Conservation Authority (GRCA)

### 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)
- GRCA Administrative Boundary

#### INTERPRETATION OF THE HAZARD MAPS:

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GRCA Map 28 of 43

# Ganaraska Region Conservation Authority (GRCA)

#### 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
- GRCA Administrative Boundary

#### INTERPRETATION OF THE HAZARD MAPS:

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#### **Datum Conversion:**

Horizontal: UTM 17N NAD1983, metres. IGLD1985 - CGVD2013 = 0.42 m (average)Vertical: CGVD2013, metres To convert from IGLD85 to CGVD2013, subtract

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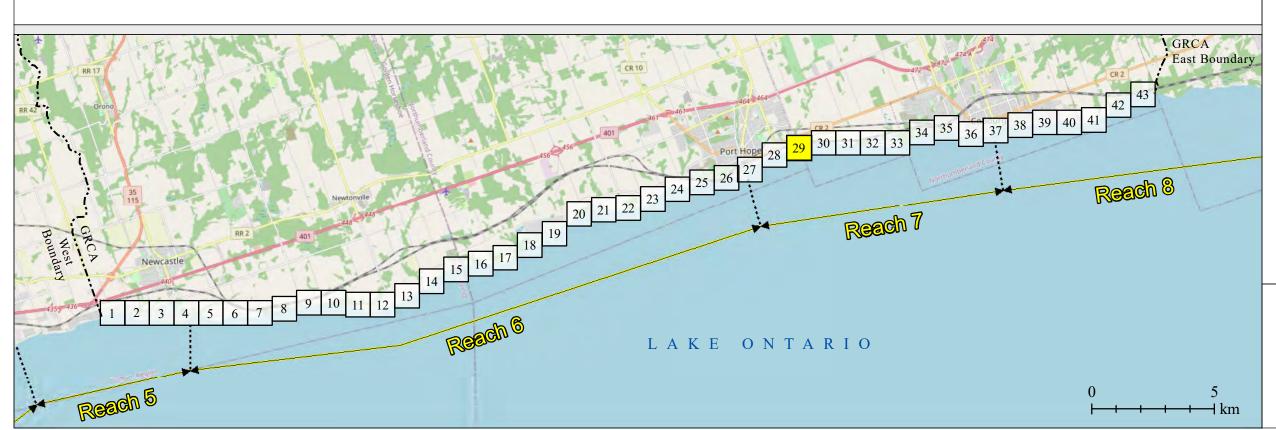






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# Ganaraska Region Conservation Authority (GRCA)

#### 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
- GRCA Administrative Boundary

#### INTERPRETATION OF THE HAZARD MAPS:

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Inset Map: © OpenStreetMap contributors

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#### Flood Hazard Limit

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# Ganaraska Region Conservation Authority (GRCA)

#### 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
- GRCA Administrative Boundary

#### INTERPRETATION OF THE HAZARD MAPS:

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Inset Map: © OpenStreetMap contributors

#### **DEFINITIONS:**

#### 100 Year Flood Level

The 100 Year Combined Flood Level considers both static lake level and storm surge, having a combined probability of being equalled or exceeded during any year of 1% (i.e., probability, P=0.01). The 100 Year Combined Flood Level elevation for GRCA is +76.01 m IGLD85 (+75.55 m to +75.60 m CGVD2013).

#### 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.

#### Stable Slope Allowance

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#### Erosion Hazard Limit

The landward extent of the Erosion Hazard is the sum of the 100 year erosion rate plus the Stable Slope Allowance, measured horizontally from the toe of the bank or bluff.

The Erosion Hazard Limit is not mapped in sheltered waters, however, localized shoreline/riverine erosion may occur and is subject to review by the Conservation Authority.

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#### **Datum Conversion:**

Horizontal: UTM 17N NAD1983, metres. Vertical: CGVD2013, metres

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#### PREPARED BY:



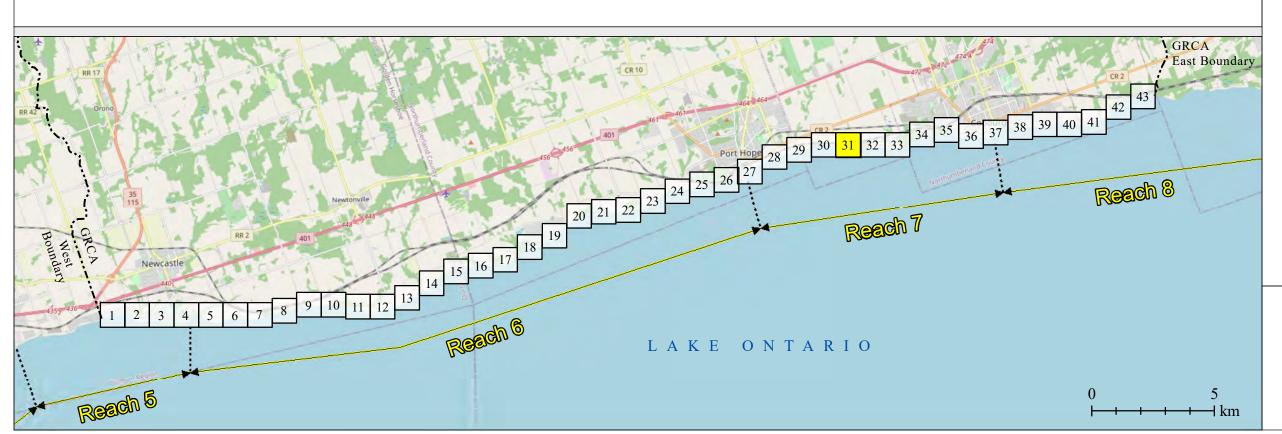






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# Ganaraska Region Conservation Authority (GRCA)

#### 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)
- GRCA Administrative Boundary

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50 100 200 \_\_\_\_\_\_m



MAP PUBLISHED MARCH 2020

#### PREPARED BY:





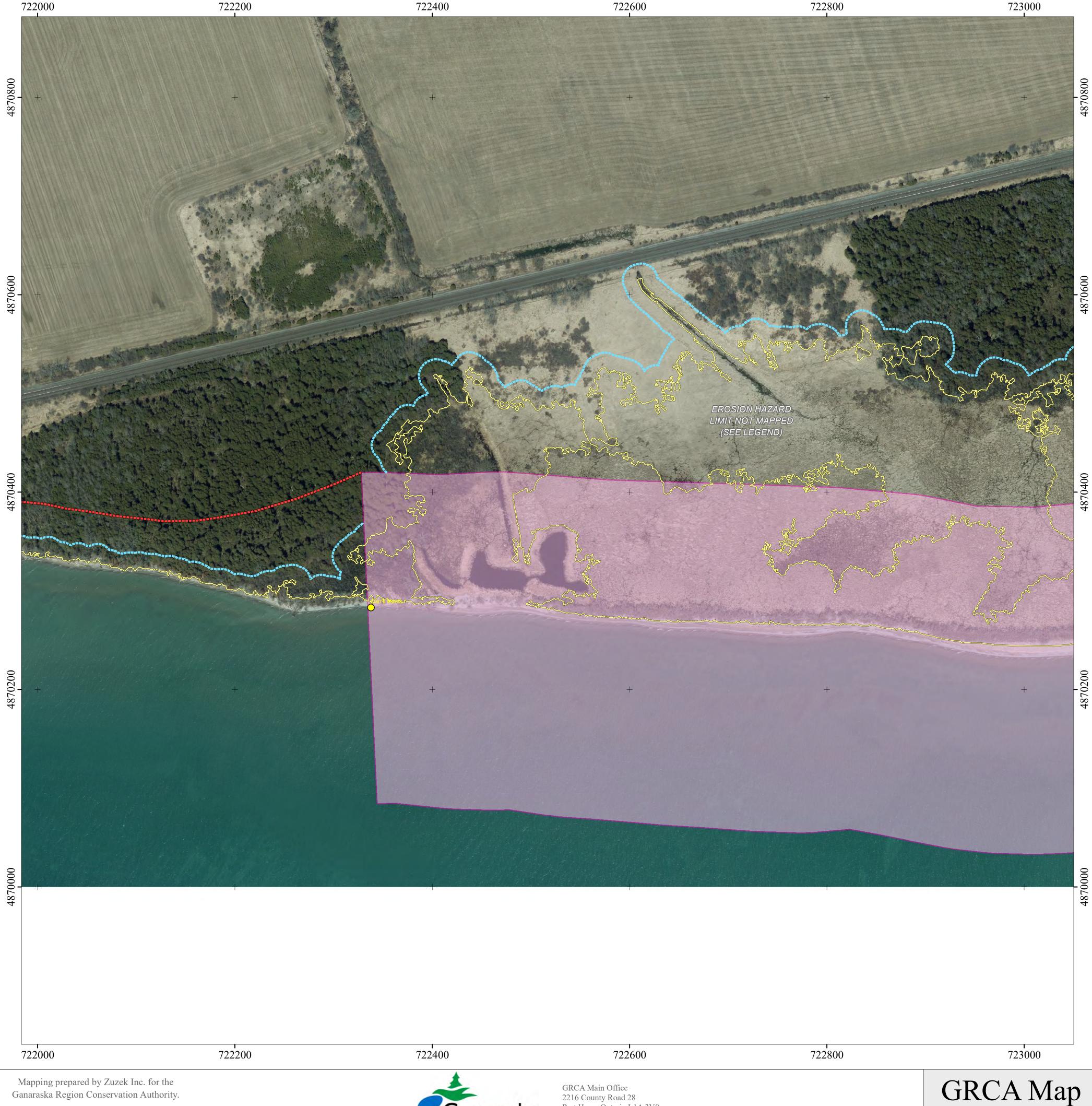




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GRCA Map 32 of 43

# Ganaraska Region Conservation Authority (GRCA)

#### 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
- GRCA Administrative Boundary

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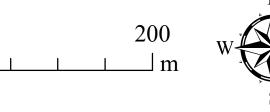
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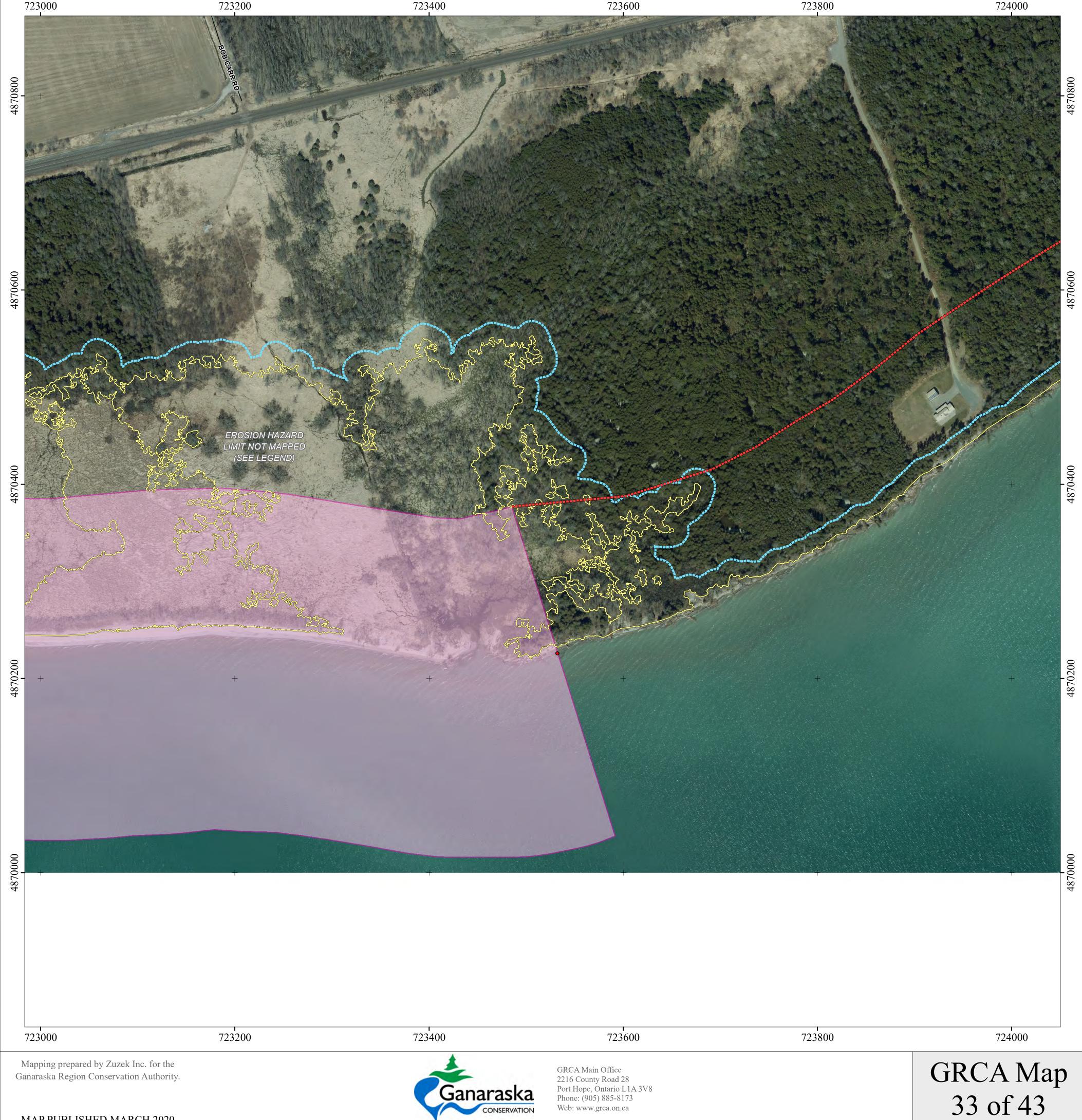


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# Ganaraska Region Conservation Authority (GRCA)

#### LEGEND:

# **Hazard Mapping:**

100 Year Flood Level

Flood Hazard Limit

**Erosion Hazard Limit** 

Dynamic Beach Setback

# Base Mapping:

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GRCA Map 34 of 43

# Ganaraska Region Conservation Authority (GRCA)

#### 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
- GRCA Administrative Boundary

#### INTERPRETATION OF THE HAZARD MAPS:

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#### **DEFINITIONS:**

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GRCA Map 35 of 43

# Ganaraska Region Conservation Authority (GRCA)

### LEGEND:

# **Hazard Mapping:**

100 Year Flood Level



Erosion Hazard Limit

Dynamic Beach Setback

# Base Mapping:

- Geographical Names
- Dynamic Beach (Start Pt)
- Dynamic Beach (End Pt)
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DATA SOURCES:



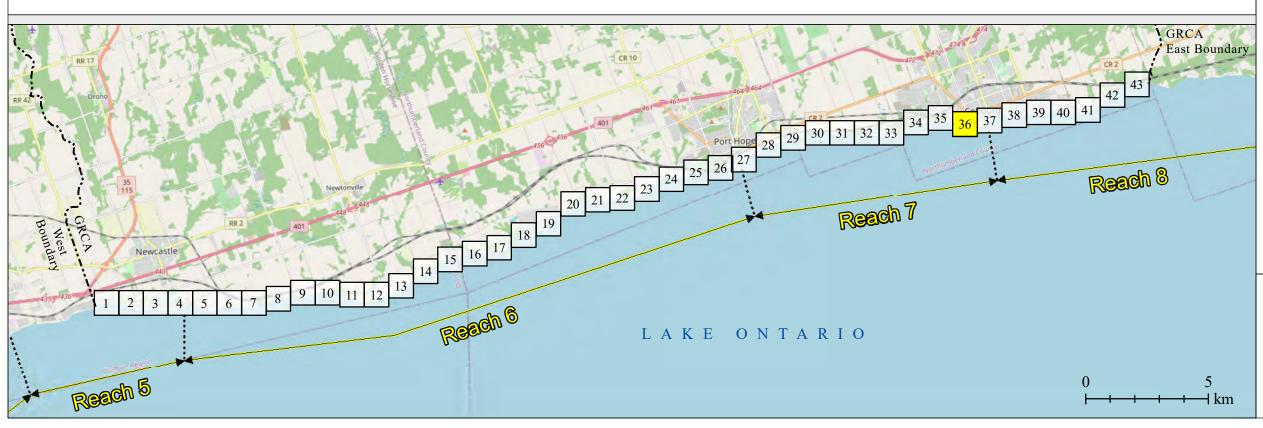






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GRCA Map 36 of 43

# Ganaraska Region Conservation Authority (GRCA)

### LEGEND:

# **Hazard Mapping:**

100 Year Flood Level

Flood Hazard Limit

**Erosion Hazard Limit** 

Dynamic Beach Setback

# Base Mapping:

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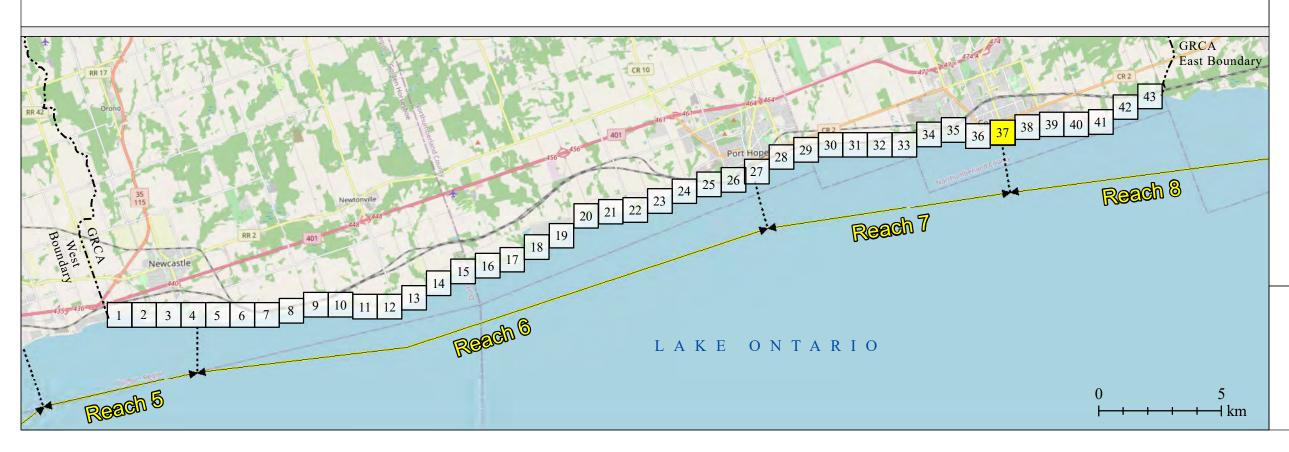






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GRCA Map 37 of 43

# Ganaraska Region Conservation Authority (GRCA)

### LEGEND:

# **Hazard Mapping:**

100 Year Flood Level

Flood Hazard Limit

Erosion Hazard Limit

Dynamic Beach Setback

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#### **Datum Conversion:**

Horizontal: UTM 17N NAD1983, metres. IGLD1985 - CGVD2013 = 0.42 m (average)To convert from IGLD85 to CGVD2013, subtract Vertical: CGVD2013, metres

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MAP PUBLISHED MARCH 2020

#### PREPARED BY:



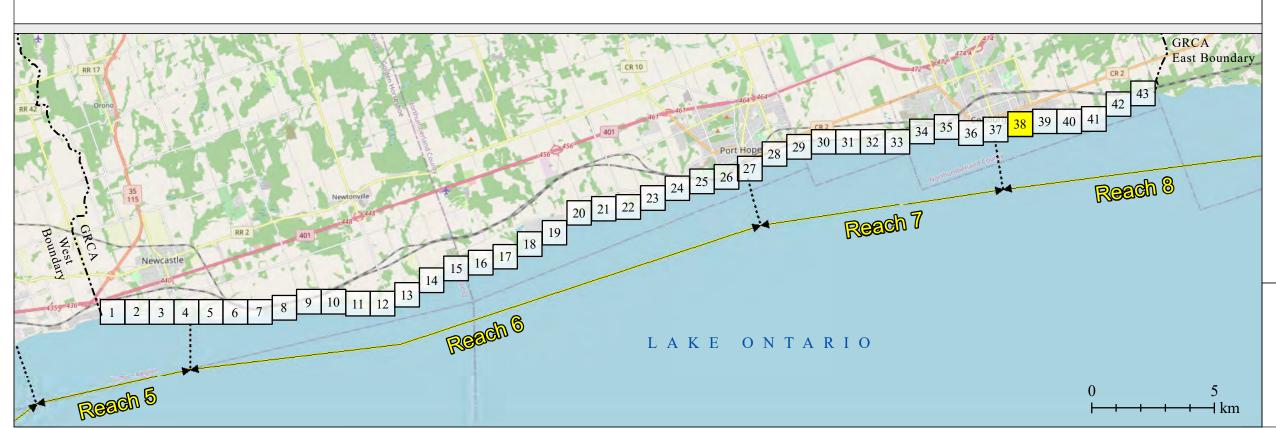






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# Ganaraska Region Conservation Authority (GRCA)

#### 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
- GRCA Administrative Boundary

#### INTERPRETATION OF THE HAZARD MAPS:

The hazard maps were prepared to support the Lake Ontario Shoreline Management Plan. Wetland and riverine floodplains are not included on these hazard maps. The Dynamic Beach Setback is the onshore limit of the shaded pink polygon. The offshore limit in the lake highlights the linkages between overall beach stability and health, nearshore sediment resources, and longshore sediment transport. The hazard limit(s) are not the official regulatory limits of the Conservation Authority. Please contact the Conservation Authority for details on the regulatory limit and implications for any proposed work.

# DATA SOURCES:

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

Inset Map: © OpenStreetMap contributors

#### **DEFINITIONS:**

#### 100 Year Flood Level

The 100 Year Combined Flood Level considers both static lake level and storm surge, having a combined probability of being equalled or exceeded during any year of 1% (i.e., probability, P=0.01). The 100 Year Combined Flood Level elevation for GRCA is +76.01 m IGLD85 (+75.55 m to +75.60 m CGVD2013).

#### 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

#### 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.

#### Stable Slope Allowance

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#### **Datum Conversion:**

Horizontal: UTM 17N NAD1983, metres. Vertical: CGVD2013, metres

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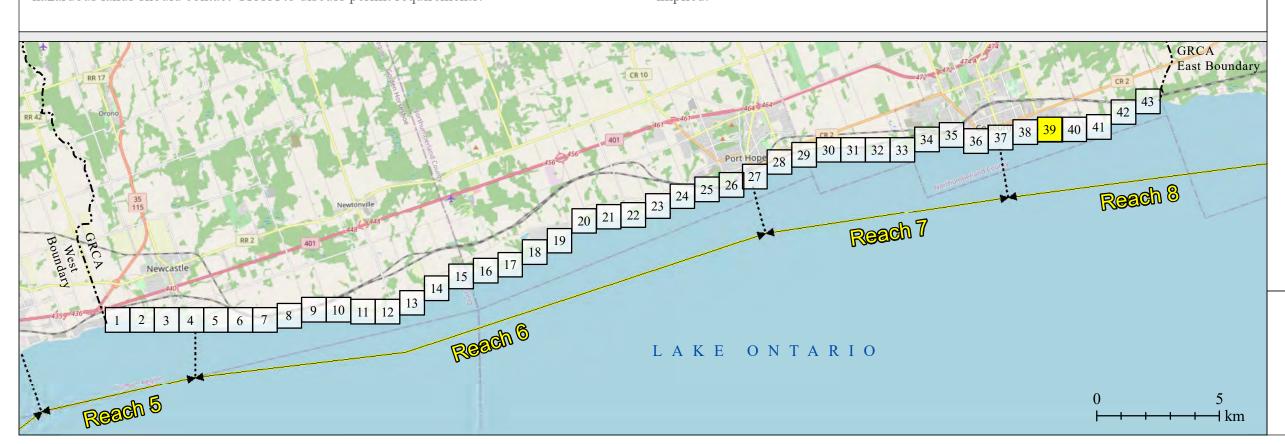






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# Ganaraska Region Conservation Authority (GRCA)

### 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)
- GRCA Administrative Boundary

#### INTERPRETATION OF THE HAZARD MAPS:

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Inset Map: © OpenStreetMap contributors

#### DEFINITIONS:

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#### Datum Conversion:

Horizontal: UTM 17N NAD1983, metres.

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) 50 100 200 \_\_\_\_\_n



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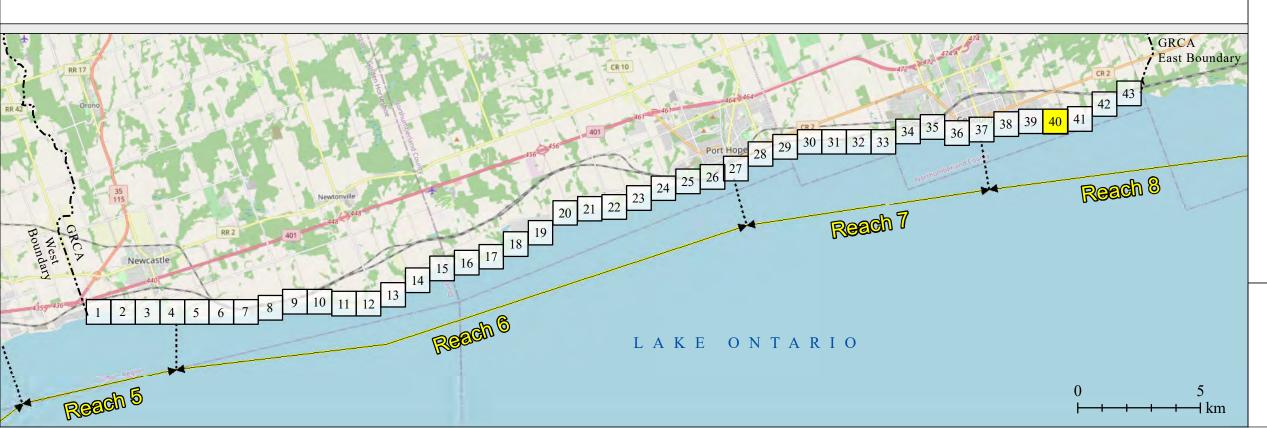






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# Ganaraska Region Conservation Authority (GRCA)

#### LEGEND:

# **Hazard Mapping:**

// 100 Year Flood Level

Flood Hazard Limit

Erosion Hazard Limit

Dynamic Beach Setback

# Base Mapping:

- Geographical Names
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- GRCA Administrative Boundary

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# Ganaraska Region Conservation Authority (GRCA)

#### LEGEND:

# **Hazard Mapping:**

100 Year Flood Level

Flood Hazard Limit

**Erosion Hazard Limit** 

Dynamic Beach Setback

# Base Mapping:

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Ganaraska

# Ganaraska Region Conservation Authority (GRCA)

#### LEGEND:

# **Hazard Mapping:**

100 Year Flood Level

Flood Hazard Limit

**Erosion Hazard Limit** 

Dynamic Beach Setback

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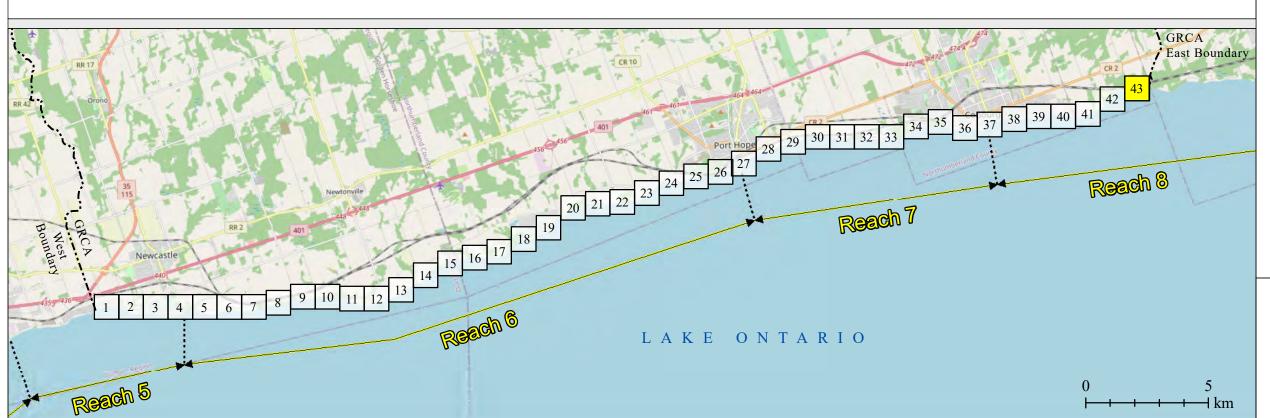






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