Shoreline Assessment Study /Coastal Engineers Study

PURPOSE:

This document provides guidance for the completion of a Shoreline Assessment Study / Coastal Engineers Study, which may be required for the submission of an application under the *Planning Act*. All Shoreline Assessment Studies / Coastal Engineers Studies shall follow the requirements referenced in this document.

A Shoreline Assessment Study / Coastal Engineers Study provides information for the assessment of the risks associated with development near the Lake Ontario shoreline, in or near a shoreline hazard area. A shoreline hazard area includes shoreline flooding hazards, shoreline erosion and slope stability hazards, and dynamic beach hazards.

A Shoreline Assessment Study / Coastal Engineers Study is required for a Planning Application where development is proposed in or near a shoreline hazard area.

PREPARED BY:

A Shoreline Assessment Study / Coastal Engineers Study must be prepared by a consultant registered as a Professional Engineer (P.Eng.) in the province of Ontario. The consultant must affix their stamp and seal and specifically identify the engineer who prepared the work. The consultant is expected to be a professional engineer experienced in coastal engineering.

CONTENTS:

Shoreline Assessment Studies / Coastal Engineers Studies shall utilize the standards established by the regulating Conservation Authority for assessing shoreline hazards.

Shoreline Assessment Studies / Coastal Engineers Studies shall include:

- Supporting field data;
- Analysis and discussion on the methodology applied;
- Supporting calculations regarding determination of shoreline hazards, including shoreline flooding hazards, shoreline erosion and slope stability hazards and dynamic beach hazards;
- Results, conclusions, and recommendations, including the requirement for any development setbacks and/or shoreline protection works, where applicable; and,
- A plan/figure to show the identified hazard limits.

OTHER INFORMATION:

Hamilton Conservation Authority Planning & Regulation Policies and Guidelines: PlanRegPolicyGuidewAppendices.pdf (conservationhamilton.ca)

Conservation Halton Polices and Guidelines:

Policies and Guidelines - Conservation Halton

Niagara Peninsula Conservation Authority Policy Document:

NPCA_Policy_Document_-_Nov_18_2022_Office_Consolidation.pdf

Grand River Conservation Authority Policies for the Administration of the Development, Interference with Wetlands and Alterations to Shorelines and Watercourses Regulation: https://www.grandriver.ca/media/ytefxqx1/grca-compliance-policies_procedures_2009-_aoda-2024.pdf

REVIEWED AND APPROVED BY:

The Conservation Authority with regulatory authority over the shoreline for which the Shoreline Assessment Study / Coastal Engineers Study is being completed, namely:

- Hamilton Conservation Authority

- Conservation Halton
- Niagara Peninsula Conservation Authority
- Grand River Conservation Authority

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