



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 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,

Shoreline Assessment Study / Coastal Engineers Study – Development Application Guidelines

- 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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