

Memo

To:	Tammie Ryall, Kim Darroch Town of Lakeshore	From:	Stephanie Bergman Stantec
File:	Town of Lakeshore Shoreline Management Plan	Date:	September 25, 2020

Reference: Shoreline Management Council Update

INTRODUCTION AND OVERVIEW

Stantec Consulting and Zuzek Inc. have been retained to prepare a Shoreline Management Plan (SMP) to investigate shoreline flooding and erosion hazards along the Lake St. Clair shoreline within the limits of the Town.

The project is being led by the Town of Lakeshore Planning and Community Development, along with a Technical Advisory group that consists of representatives from the Town of Lakeshore staff, Essex Region Conservation Authority (ERCA), Lower Thames Valley Conservation Authority (LTVCA), and the County of Essex.

The project team has now completed Phase 1 of the study, which included the following:

- Field investigations and surveys (bathymetric surveys along the shoreline, and oblique aerial drone photography/shoreline protection database). Data collected is being used to inform technical analysis being conducted during Phase 2.
- Preparation of the Phase 1 Summary Report (attached) which documents the existing land use planning policy framework for natural hazards.
- Phase 1 Public Consultation (see the attached What We Heard report):
 - A Public Information Centre (PIC) was held on November 28, 2020;
 - A presentation to the Flood Task Force November 12, 2020; and
 - Online survey through the PlaceSpeak platform.

PROJECT UPDATE

The Project Team is currently completing Phase 2 of the Study, which includes the following:

- Development of the 1:100 Year Flood Level and Shoreline Hazard mapping, which includes consideration for wave uprush, erosion, and other shoreline hazards;
- Consideration for the impacts of Climate Change on Shoreline Hazards, and the development of preliminary Shoreline Management approaches and options;
- Meeting with the Technical Advisory Committee to review technical analysis, updated hazard mapping, and preliminary Shoreline Management Approaches;

Reference: Shoreline Management Council Update

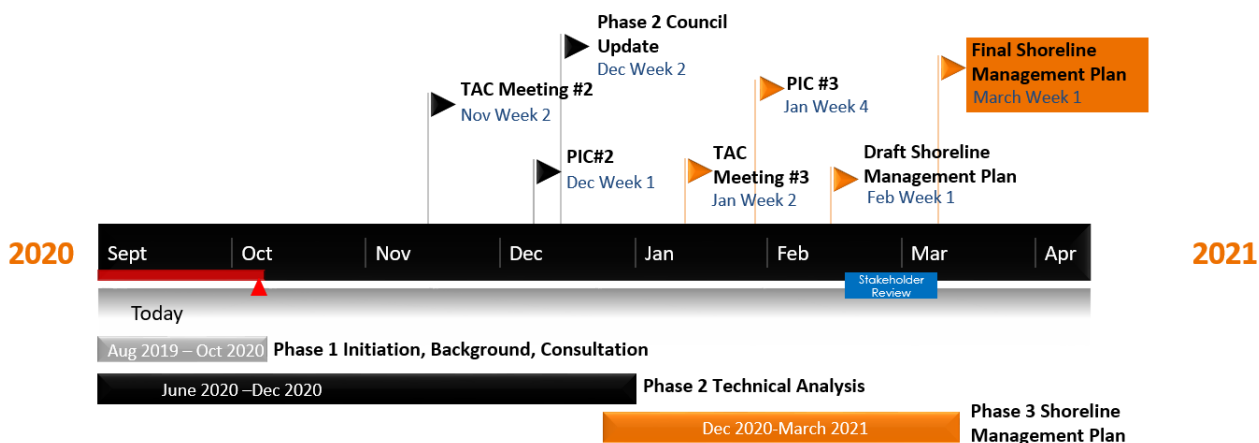
- Public Information Centre #2 (virtual pending public health recommendations). The goal of Public Information Centre #2 will be to provide an overview of the updated shoreline hazard mapping, to share information with the community on the potential impacts of a changing climate on the Lakeshore shoreline, and to work with the community on the preliminary shoreline management approaches and options; and
- Preparation of a Phase 2 Summary Report and Council Update.

Phase 3 of the study includes the preparation of the draft and final Shoreline Management Plan. Ultimately, the goal of the Plan will be to provide updated Hazard Mapping, which will inform an Amendment to the Town's Official Plan land use planning policies, and potentially the Zoning Bylaw, as well as a long term management plan for development and maintenance of shoreline infrastructure. The Plan will be considering a number of approaches and options, including community-scale shoreline improvements, land use planning policies and approaches, and potential funding mechanisms to improve the Town's resilience to shoreline flooding hazards and events.

PROJECT SCHEDULE

Project milestones are identified below, and summarized in the following table:

Task/Milestone	Date
Technical Advisory Committee Meeting #2	November 2020
PIC#2	December, 2020
Phase 2 Council Update	December 2021
Technical Advisory Committee Meeting #3	January 2021
PIC #3	January 2021
Draft Shoreline Management Plan and Council Update	February, 2021
Final Shoreline Management Plan	March 2021



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Attachment: Attachment

c. C.C.