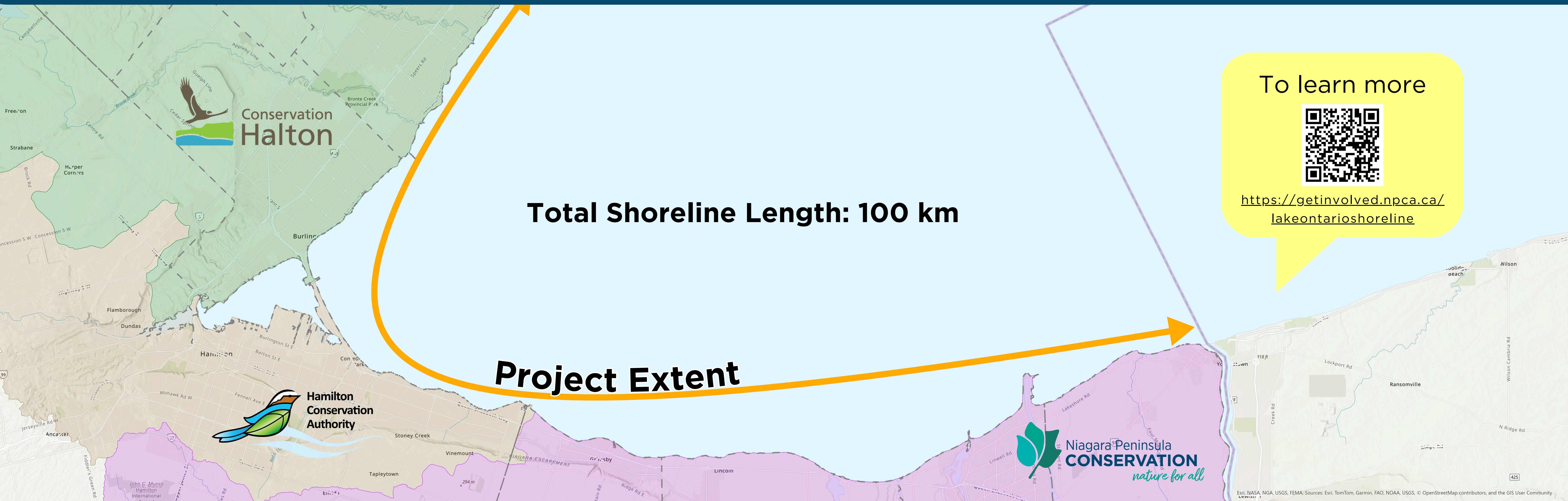




Introduction

The Lake Ontario Coastal Resilience Pilot Project (LOCRRP) is a partnership-driven initiative focused on helping communities along the Lake Ontario shoreline better prepare for flooding, erosion, extreme weather, and a changing climate.

By working together and using the best available science, the project will identify practical short- and long-term actions to reduce risks to people, property, and infrastructure along 119 kilometers of shoreline.

Scope

This project includes the western Lake Ontario shoreline from the mouth of the Niagara River in Niagara-on-the-Lake to Joshua's Creek in Oakville/Mississauga, encompassing portions of the Niagara Peninsula Conservation Authority (NPCA), Conservation Halton (CH), and Hamilton Conservation Authority (HCA) watershed jurisdiction shorelines.

Main objectives of the project:

- Understand shoreline risks, including flooding, erosion, and climate impacts through numerical modelling.
- Map shoreline hazards and vulnerable areas under current conditions and future climate scenarios.
- Evaluate risk to infrastructure, communities, and natural assets, including socio-economic considerations.
- Identify mitigation options, including nature-based solutions, for high-risk areas.
- Develop a Coastal Resilience Management Plan with policy recommendations and an implementation roadmap

Team

Conservation Ontario will be working with Niagara Peninsula Conservation, Hamilton Conservation Authority, and Conservation Halton supported by a consulting team that includes the DHI Water & Environment, Inc., Zuzek Inc., and SJL Engineering.