
LONG POINT
BIOSPHERE
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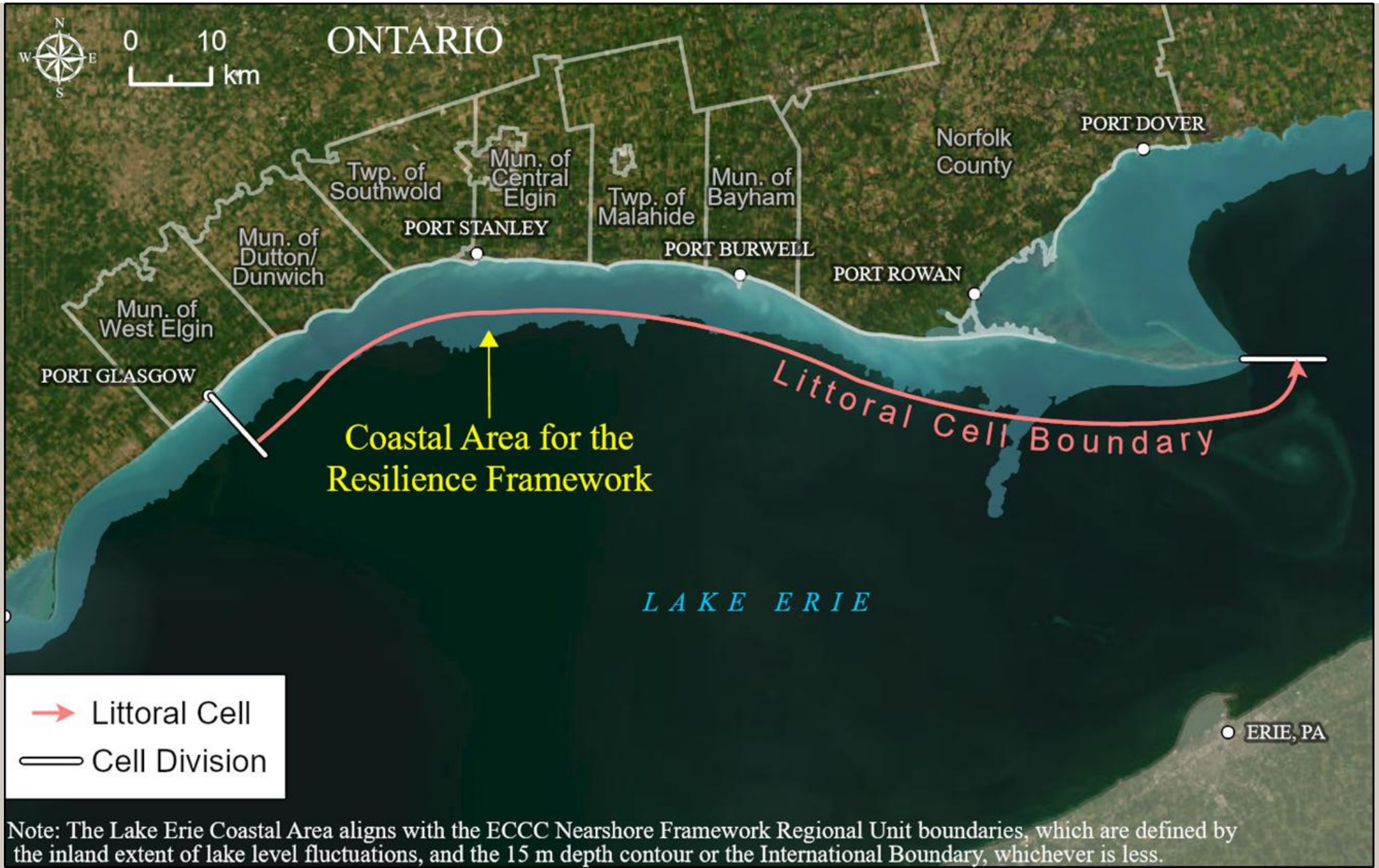
North Shore Resilience Project: Project Goals and Governance



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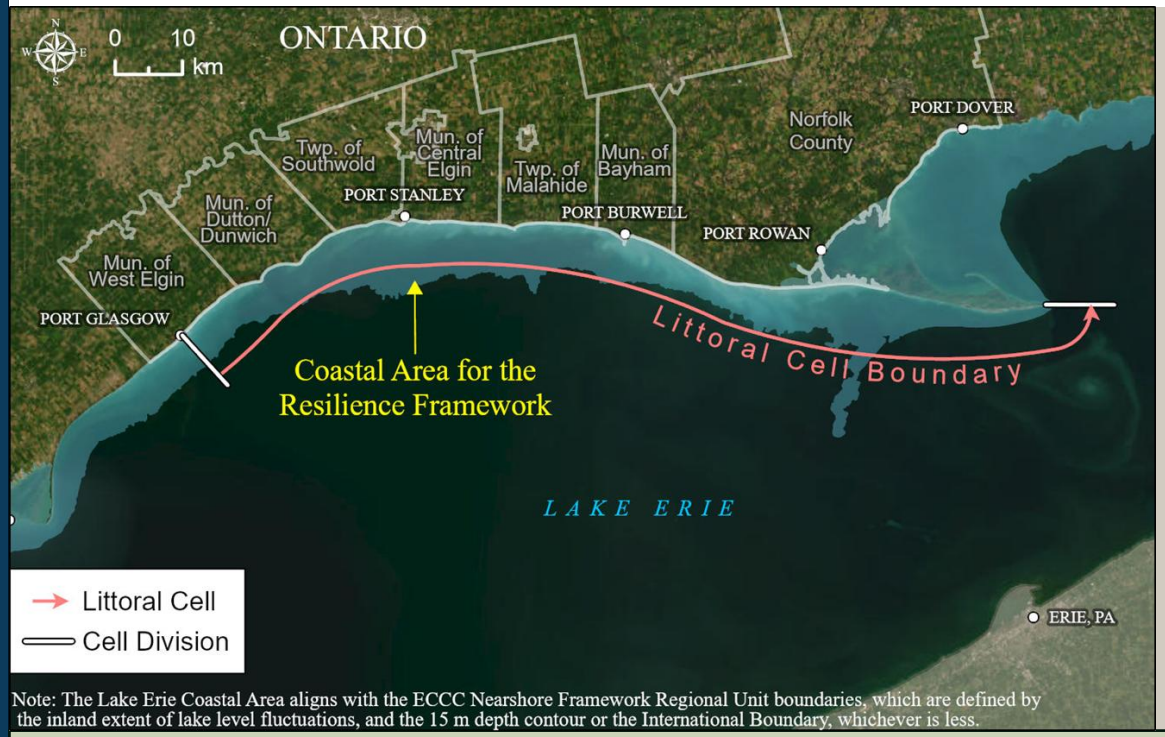

Resilience to natural hazards, such as coastal storms, is low throughout the littoral cell. Ecosystems and built assets are vulnerable to flooding and erosion. Climate change is making hazards more extreme and frequent, which will lead to more habitat loss and greater economic damage in the future.

1. **Technical and Scientific Knowledge**: Collect physical data and develop a sediment budget and transport model to determine how sand and gravel move in the nearshore from Port Glasgow to Long Point.
2. **Dune Restoration:** Build shoreline resilience through dune restoration using native plants such as beachgrass.
3. **Coastal Resilience Action Plan:** Develop a plan based on Social, Economic, Environmental and Physical baseline for the coastal areas. This will involve public engagement and participation

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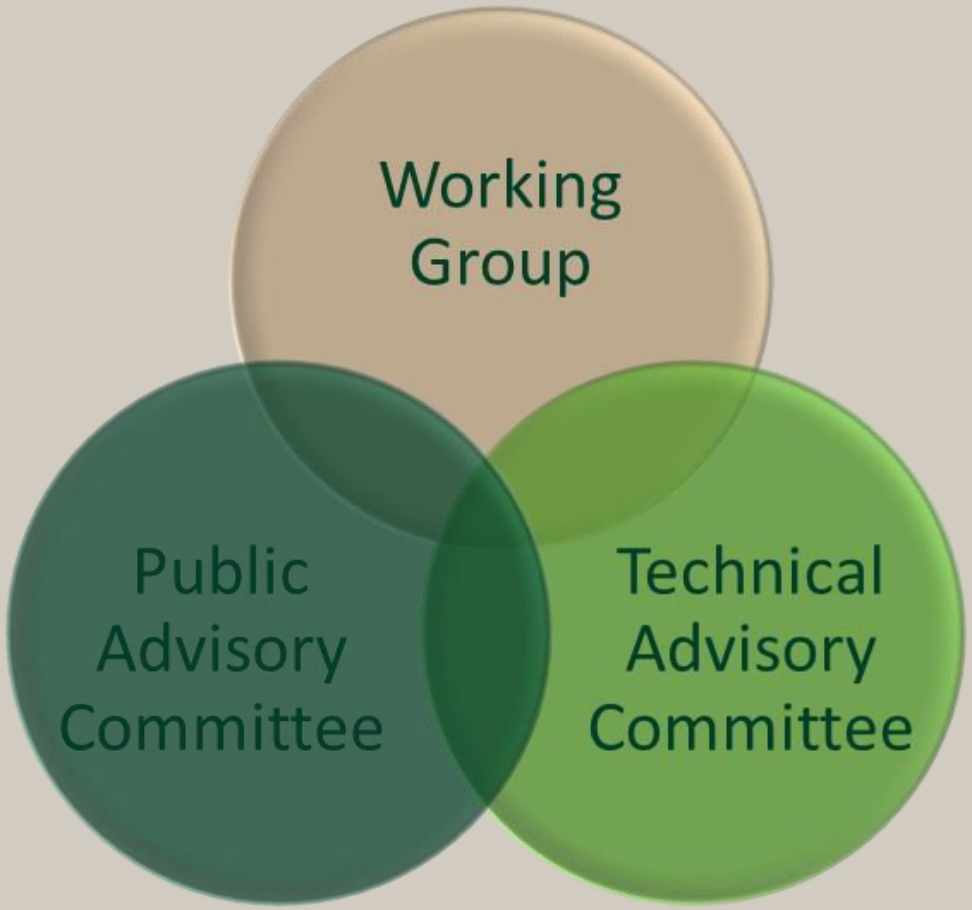


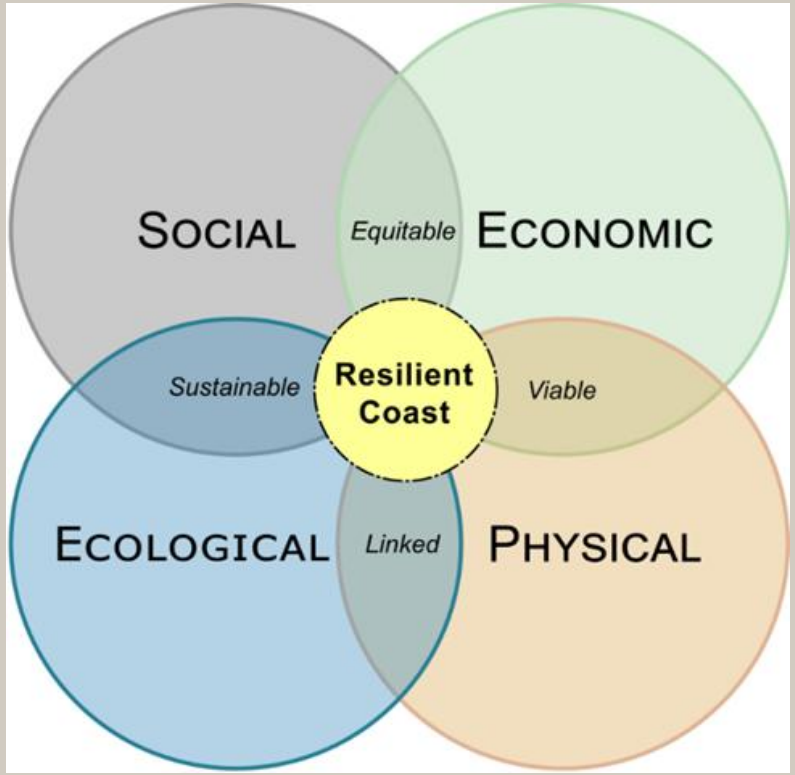
1. **Working Group**: Municipal Government, Conservation Authorities, ENGOs, ECCC

2. **Public Advisory Committee:** Qualified members of the public representing diverse geographies, user groups and stakeholders.

3. **Technical Advisory Committee:** Technical experts such as engineers, botanists, physical scientists who will provide peer review of the technical work, particularly in the sediment budget and sediment transport model.

Coastal Action Plan co-developed to ensure diverse perspectives and the inclusion of social, economic, environmental and physical factors

Governance, Public Advisory Committee, Technical Advisory Committee



PAC:

- At least 8 members
- Diversity in geography, stakeholder groups and perspectives
- Representatives of all aspects of the coast: economic, social, physical, ecological
- Professional Facilitator to lead

TAC:

- At least 4 experts in fields of coastal engineering, coastal geomorphology, ecology
- One member of PAC to sit on this committee

Funding Structure

Funded: $900,000

2 years + opportunity to amend agreement at Year 2

- Part time project management
- Coastal characterization and Sediment Budget
- Limited sediment characterization
- Numerical modeling of transport rates and pathways
- Beach grass surveys, local beach grass nurseries, foredune restoration and stewardship
- Community Engagement and Workshops
- Facilitator for Public Advisory Committee
- Independent review through Technical Advisory Committee

- Much of the technical activities in the funding application were funded, but no actions have been funded (ie: dredging) with exception of foredune restoration. We will do the background scientific work to understand sediment movement along the coast, with the actions to follow.

Field Season 2024

- Beach Grass surveys to source appropriate genetic material for dune restoration
- Characterize sediment and bathymetry around Long Point tip

- Preliminary assessment and engagement for pilot foredune restoration
- Website – preliminary website up and running

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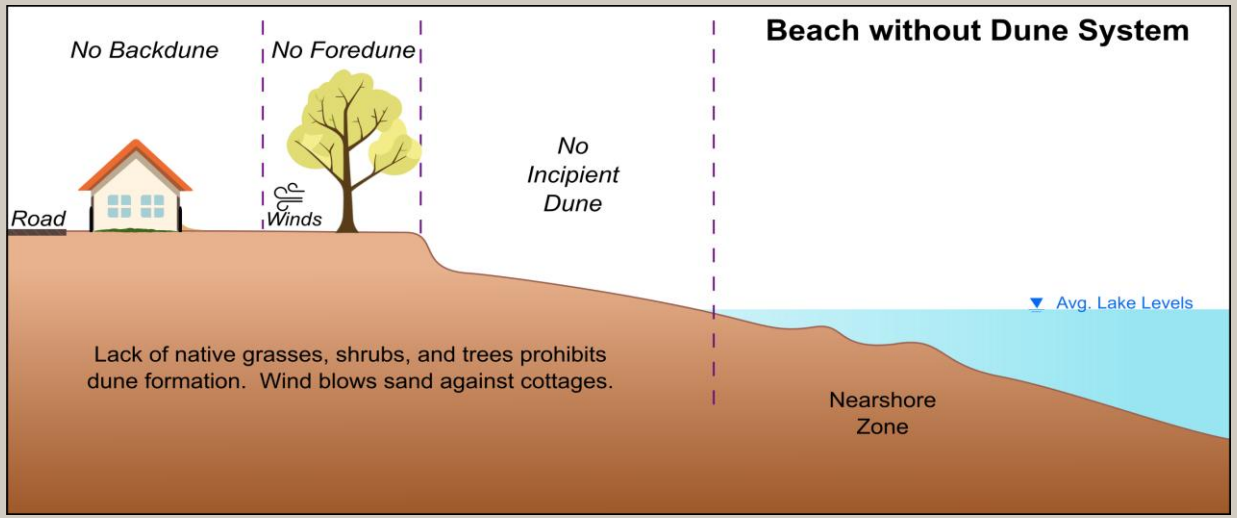
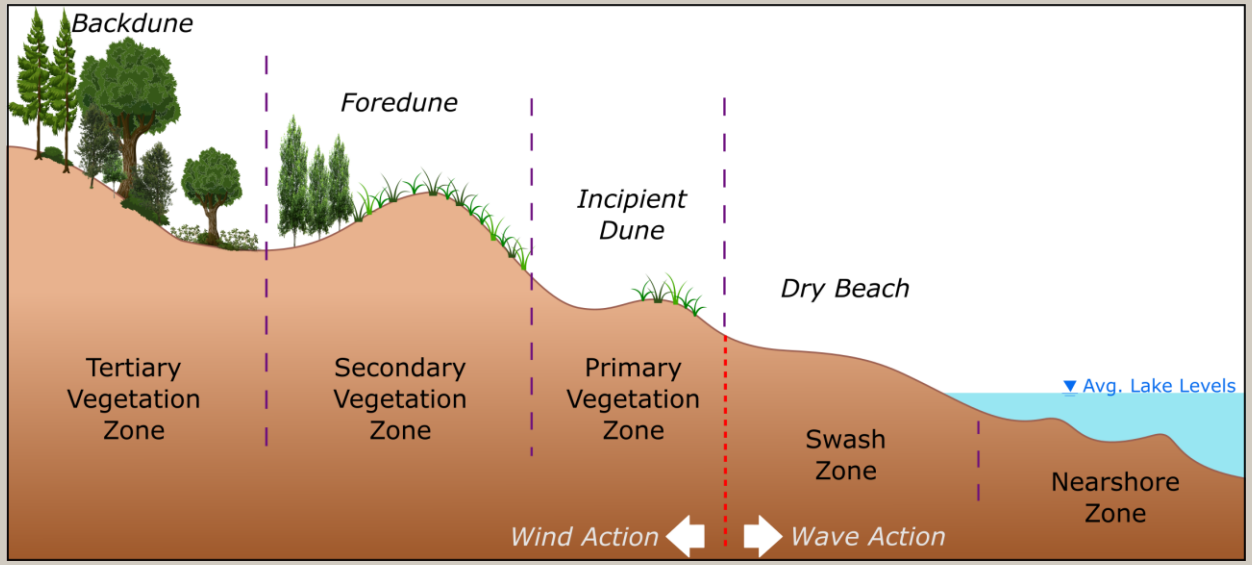
Dune Restoration Beach and Woodstock Ave Long Point





The Ask:

Invitation for West Elgin to participate as part of the Working Group (either staff or council member).

Representation for the Western portion of Elgin County on the Public Advisory Committee

Potential for future partnerships to benefit your shoreline.

Vulnerability assessment for roads, infrastructure and buildings


Thank you!
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