TWN Shoreline Conceptual Adaptation and Visualization Project – PROJECT BACKGROUNDER

Project Purpose:

To explore ways to build shoreline resilience that manages the impacts of climate change and sea level rise, and provides for community and environmental benefits.

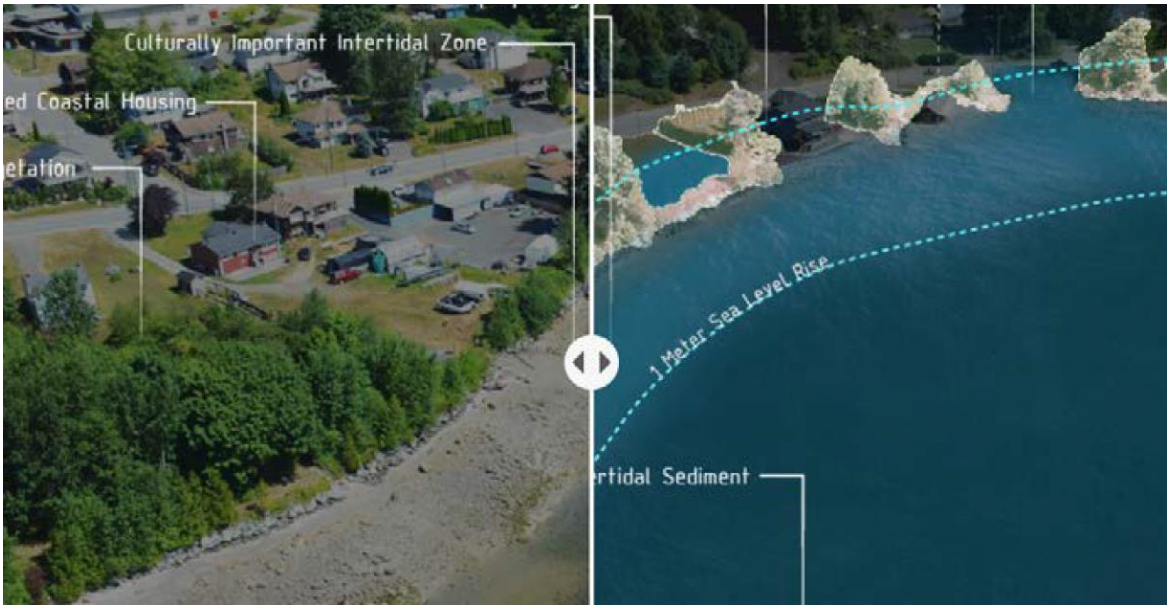
About this Project:

We are working with the TWN community and other partners to envision what a coordinated, resilient and healthy shoreline of the future could look like. The project study area is the shoreline from Maplewood Mudflats all the way to and including Whey-ah-Wichen/Cates Park.

Importance and Benefit to TWN:

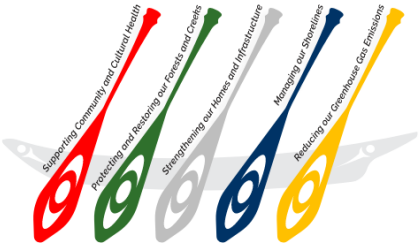
In the absence of management strategies to reduce impacts of climate change, rising sea levels have the potential to cause coastal flooding and erosion along sections of the TWN reserve and adjacent lands.

Taking proactive steps to plan and design for a future shoreline that manages climate change impacts creates opportunities to re-imagine a shoreline that, at the same time, adds community value, builds community resilience, improves shoreline access, helps restore the environmental health of the inlet, protects cultural sites, and more.



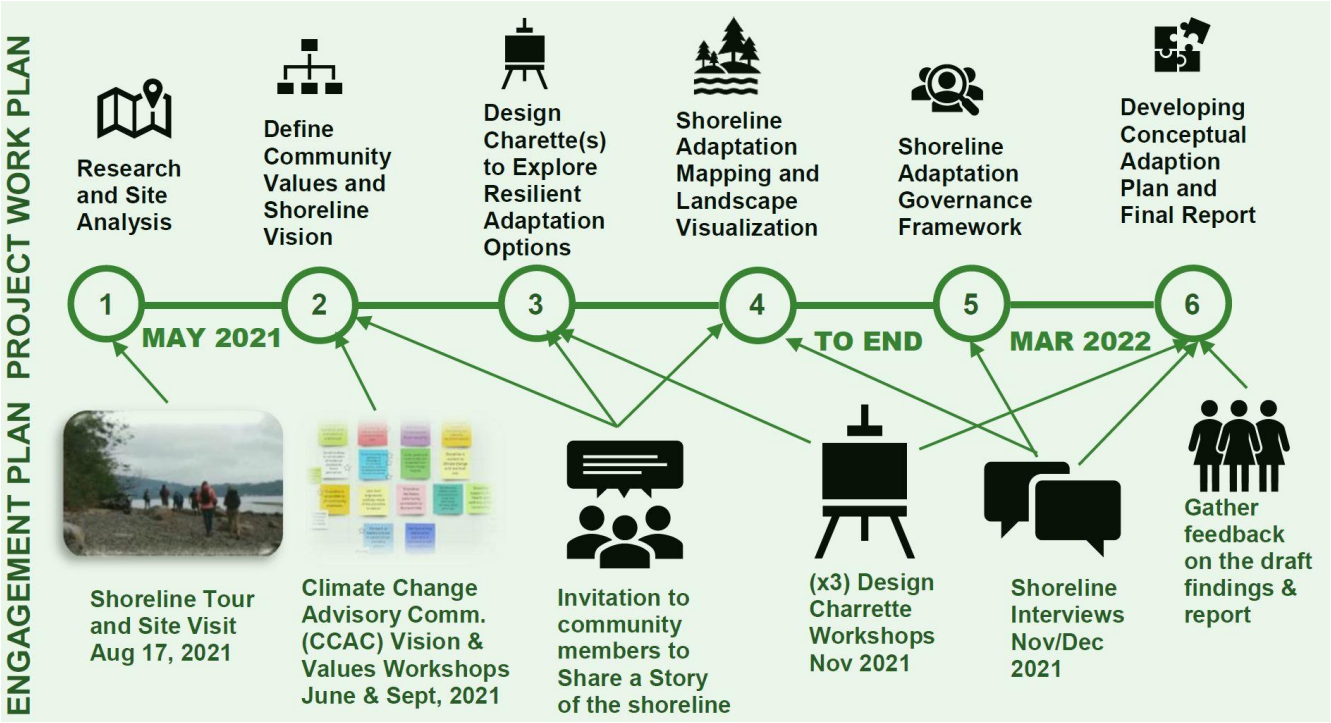
Artistic impression of the shoreline impact of 1m and 2m of sea level rise on the TWN reserve land
(Image from B. Eisenberg, UBC School of Landscape Architecture student)

This project aligns with community policies in the TWN Land Use Plan. It also builds on the TWN Climate Change Vulnerability Assessment (2019), and advances implementation of actions under the "managing our shorelines" focus area of the Climate Change Resilience Plan (2020).



Project Work Plan Steps and Engagement Opportunities:

This project involves completion of five (5) key work plan steps by the end of March 2022. Ideas and input gathered from various engagement activities are important to inform all stages of the project.



How to Be Involved and to Share Your Ideas:

Please check this website for updates on how to be involved and share your ideas to inform the project.

North Shore Context:

Municipalities and other agencies have been working to explore climate change impacts across the North Shore. Our project also involves engagement with neighbouring municipalities and other agencies to exchange information, and to work collaboratively on a coordinated shoreline adaptation approach.

Project Team:

This project is being led by TWN Public Works staff with technical support from Kerr Wood Leidal Consultants (KWL) and UBC School of Architecture and Landscape Architecture (SALA) researchers.

Funding Providers:

This project has been made possible through grant funding and partnerships. We gratefully acknowledge the support from the Government of Canada, WWF-Canada and Tsleil-Waututh Nation.

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Canada

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