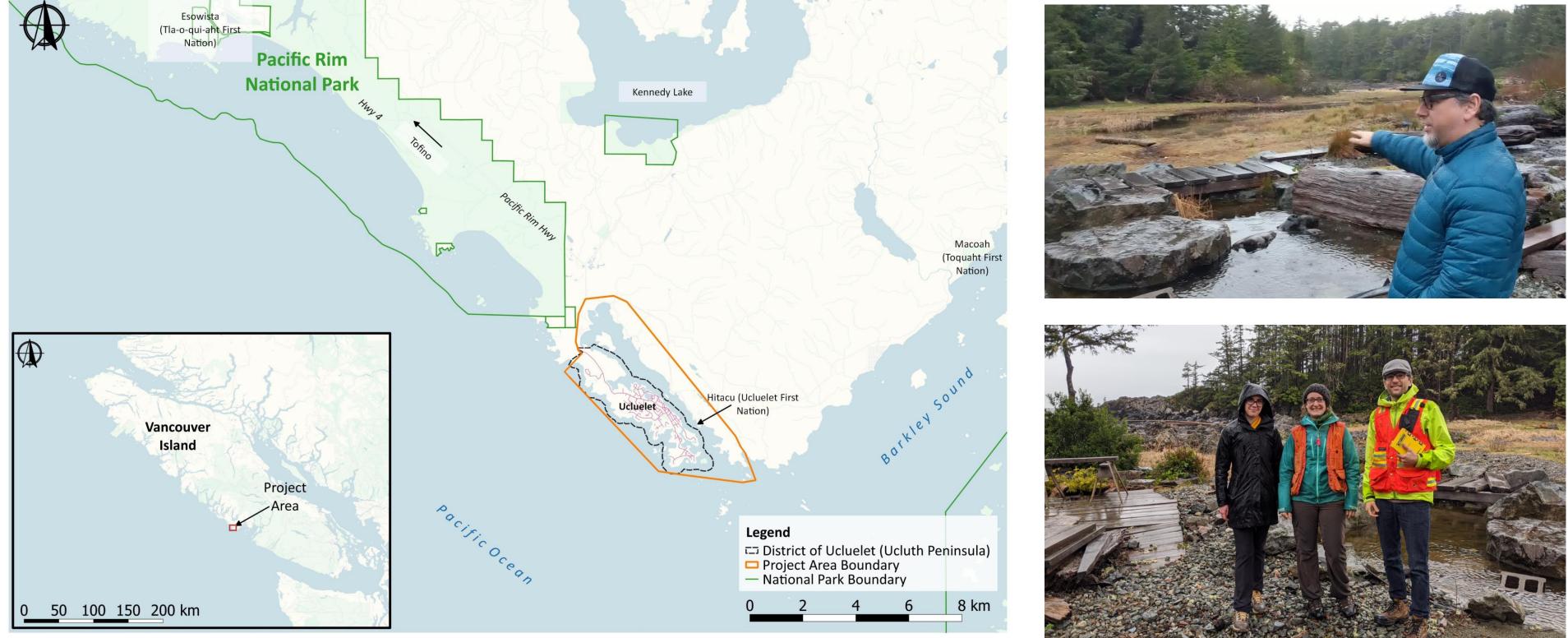
About this Project

Ucluelet's stunning coastal landscape also means that it is exposed to coastal flood hazards. The District wishes to better understand coastal storm and tsunami hazards on a regional scale, for better coordination and consistency of effort. Therefore, the study area, as shown in the figure below, goes beyond the District's boundaries.

Study Area and Project Team Photos from the Field







In this study, we asked:

- 1. Where and how deep might it flood during different storm events? And how does this change with sea-level rise?
- 2. How high should buildings be constructed to mitigate coastal storm flood damages?
- 3. Where and how deep might it flood during a tsunami (focusing on the Cascadia megathrust earthquake)? And how does this change with sea-level rise?
- 4. What are the different tsunami flood levels that the community can use for planning purposes?

Project Timeline

Confirm team, deliverables, responsibilities Project kick-off Data collection	Coastal storm model setup and calibration Tsunami model set-up and calibration; initial model runs and preliminary results	Site visit Preliminary tsunami results discussion Coastal storm modelling and preliminary results Coastal erosion data review	Modelling methods draft report Tsunami flood hazard mapping Coastal storm flood hazard mapping	Planning support mapping Hazard mapping refinements	Final reporting Public engagement materials Council presentation
Nov/Dec 2019	Jan/Feb 2020	Mar 2020	Apr 2020	May 2020	Jun 2020





