

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

