

Climate change

Sea level rise & coastal squeeze Increase in storm frequency and intensity Increase in ocean temperature and acidity

Unawareness of best practices

Shoreline development & coastal squeeze Mooring & docks Existing protection and regulations

Absence of collaborative planning and management

Between governance levels (local, First Nations, provincial, federal) Across local governments

Limited monitoring and enforcement

Shoreline and industrial development Existing protection and regulations

Long-term ecological monitoring

Unprotected sensitive habitats

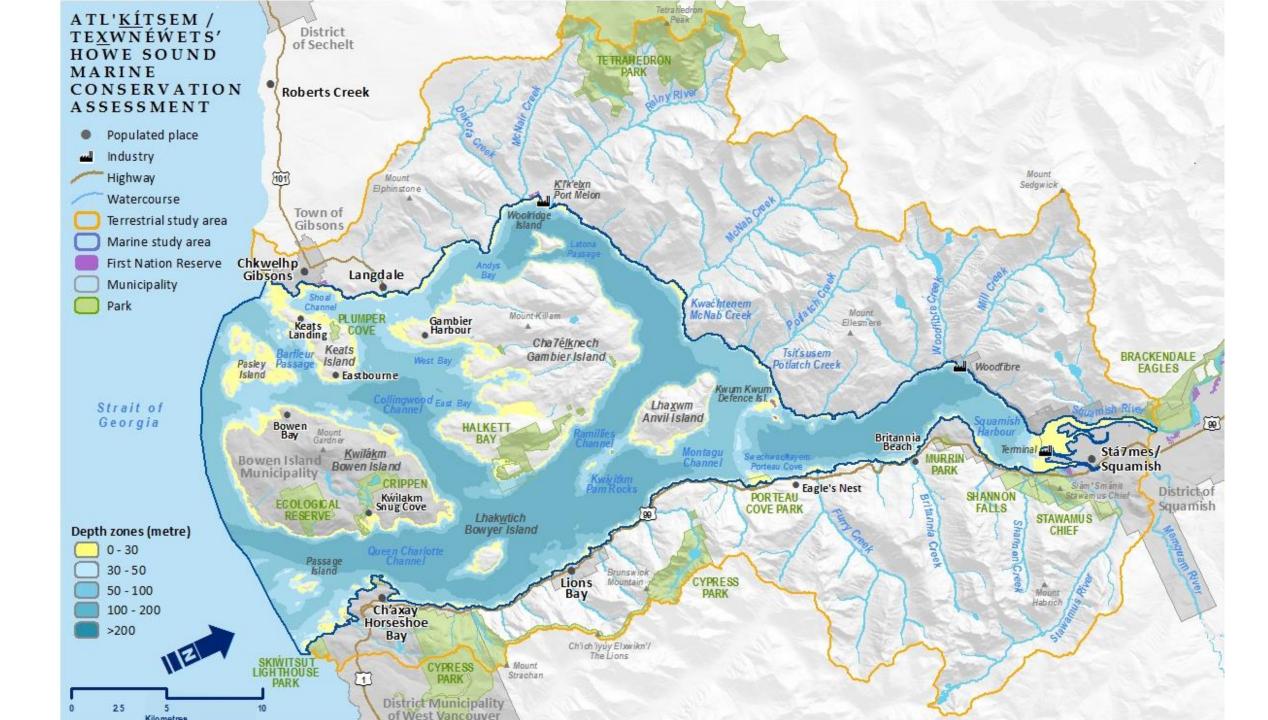
Knowledge gaps
Cumulative effects

Unmanaged population growth

Cumulative effects
Growth outpacing support capacity
Increased visitation and traffic

Pollution and contamination

Industry and urban contaminants
Problem vessels
Noise and light pollution



Project Goal

Define a path for improving/maintaining the ecological health of the Howe Sound marine environment

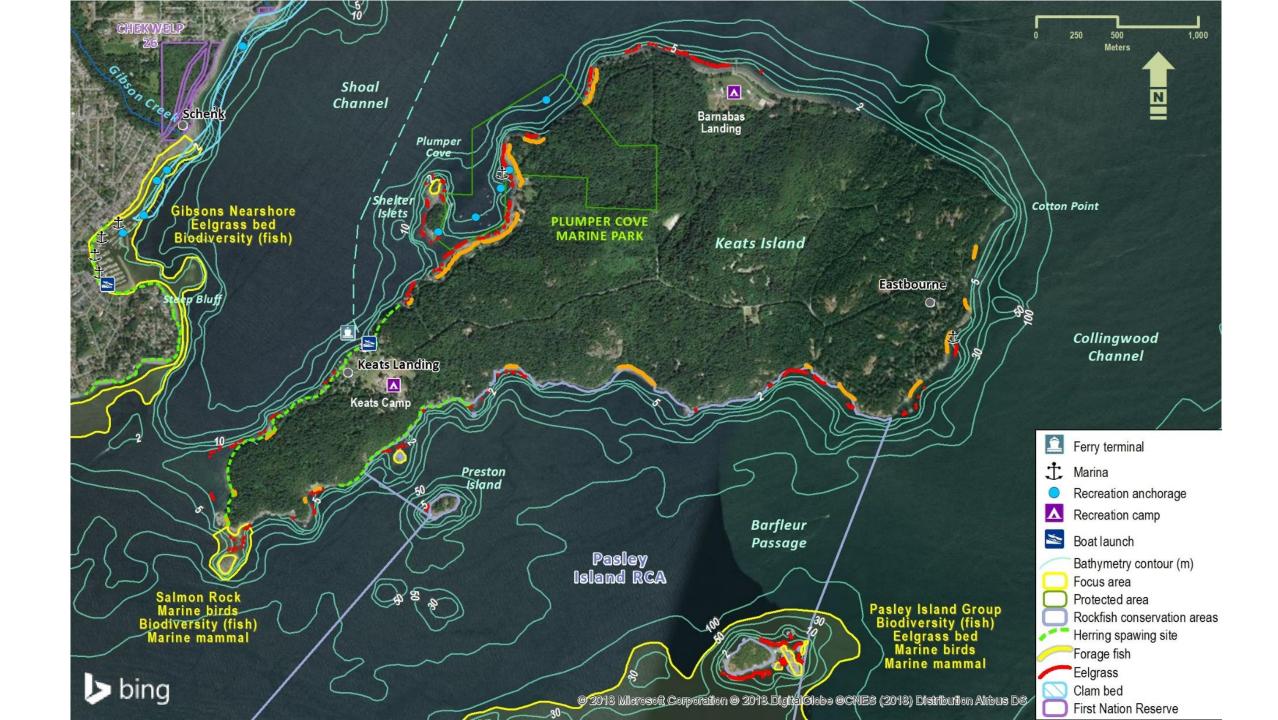
Project Objectives:

- 1. Consolidate data for ecological/cultural values in Howe Sound.
- 2. Identify areas of priority conservation needs and opportunities.
- 3. Establish an online tool that catalyzes and guides conservation action.

Project Activities

- Field trips, interviews
- Partner with Squamish First Nation to assess and document cultural data
- Science forum
- Collate data into spatial data layers
- Conduct conservation analysis (values/threats/priorities/designations)
- Produce an interactive online map

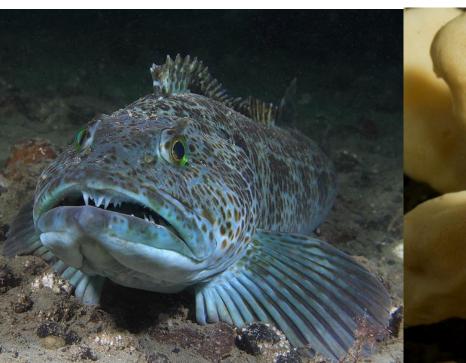




Our conservation assessment process

- 1. Identify diversity of values associated with Howe Sound's marine environment
 - a) Ecological
 - b) Economic

- c) Cultural
- d) Social
- 2. Map data associated with diversity of values
 - a) Existing spatial data
 - b) Local ecological knowledge d)
- c) Traditional ecological knowledge
 - d) Other (non-spatial data etc.)







Our conservation assessment process

- 3. Review, define, identify
 - a) Threats and areas of conflict
 - b) Priority areas

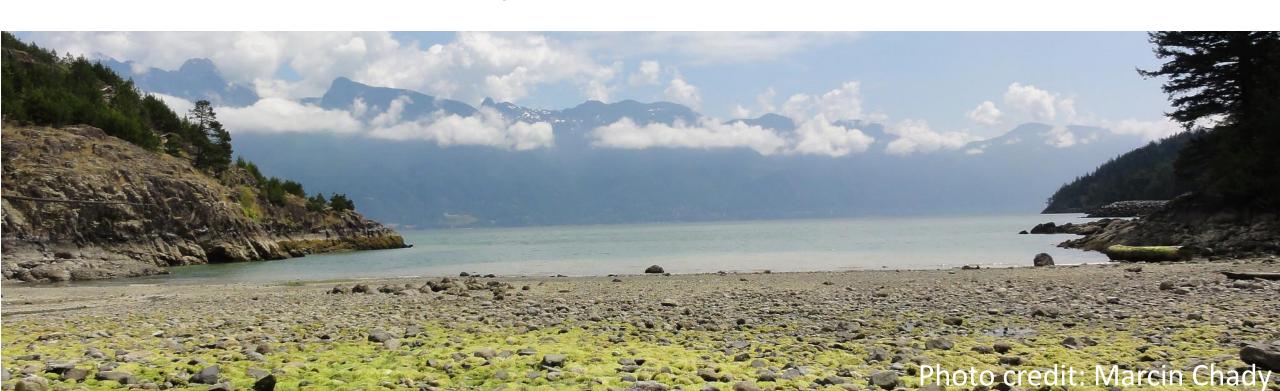
- c) Priority activities
- d) Integrated assessment



Our conservation assessment process

- 4. Recommend appropriate management activities
 - a) Legal tools
 - b) Stewardship

- c) Protection
- d) Multi-stakeholder roundtables
- 5. Motivate Stakeholders to Implement recommendations



Acknowledgements



DAVID SUZUKI FOUNDATION

One nature.



COASTAL OCEAN RESEARCH INSTITUTE

AN OCEAN WISE INITIATIVE

GORDON AND BETTY

ORDON AND BETTY

ORDON

FOUNDATION



sitka foundation

