

Report on Coastal Ocean Health for Howe Sound

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Howe Sound Community Forum, April 29, 2016



Squamish Nation



David
Suzuki
Foundation



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A photograph of a dolphin leaping from the water, creating a splash. The dolphin is in the upper right portion of the frame, moving towards the left. The water is a deep blue color with white foam from the splash. In the background, another dolphin is partially visible, also leaping.

The mission of the Coastal Ocean Research Institute is to produce and communicate scientific knowledge, evidence, and understanding in service of:

- Protecting coastal ocean life and habitats, ensuring they remain healthy for generations to come;
- Informing responsible economic activity; and,
- Safeguarding communities.



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An underwater photograph showing a diver in silhouette with a bright light on their head, swimming over a rocky seabed covered in coral and other marine life. Several fish, including a large one in the foreground, are visible. The water is a deep blue-green color.

**“A key strength of the
Research Institute is
communicating coastal
ocean science in a clear,
understandable, and
engaging manner.”**

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“We report on the health
of coastal oceans.”



Howe Sound Aquatic Forum

April 2014

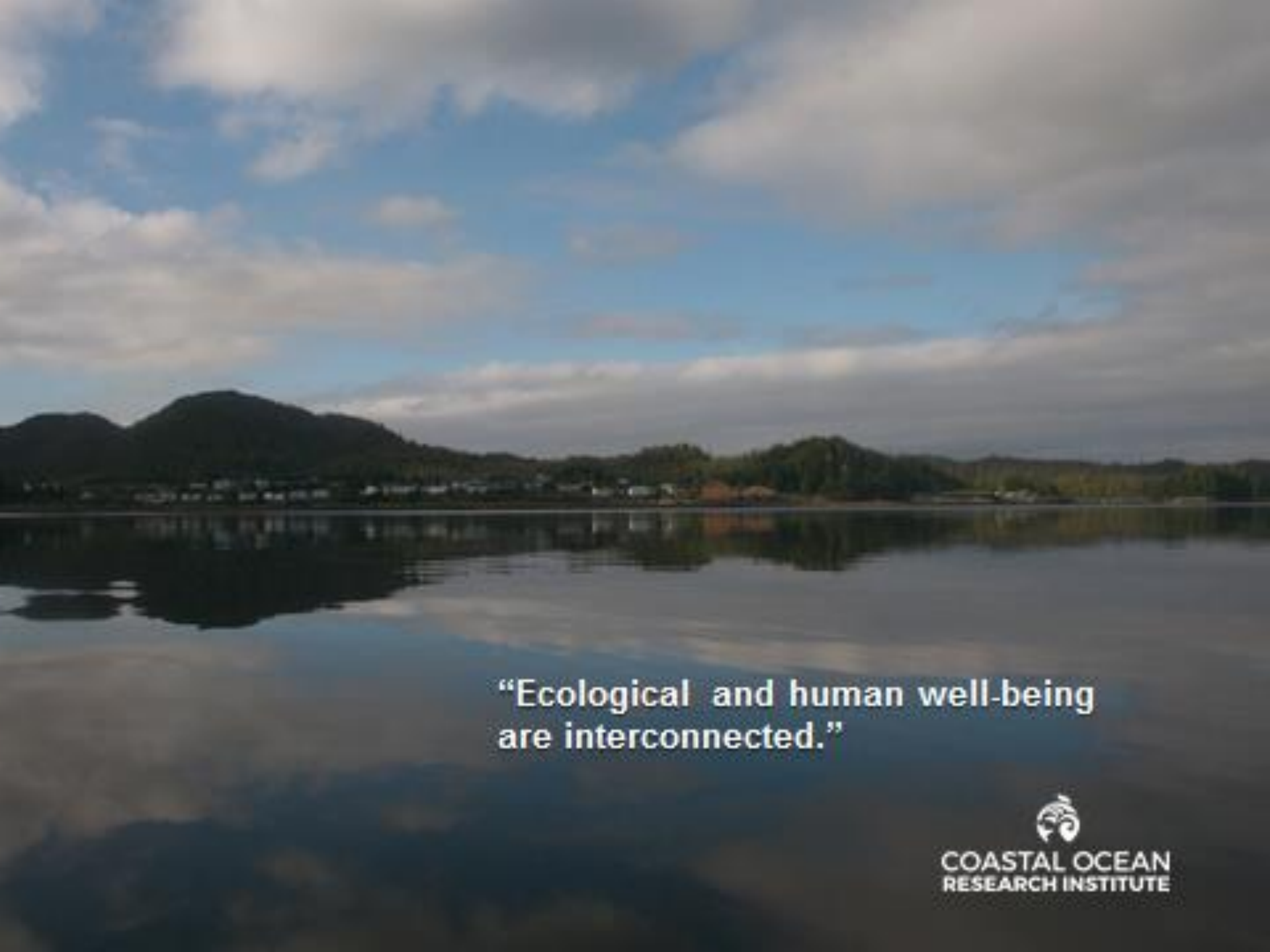


Howe Sound Aquatic Forum

2015 - Knowledge gathering, focus on biophysical



Key recommendation:
State of Howe Sound report

A wide-angle landscape photograph showing a calm body of water in the foreground, reflecting the sky and the distant shoreline. The shoreline features a small town with buildings and is backed by a range of dark, forested mountains. The sky is filled with soft, white clouds against a pale blue background.

“Ecological and human well-being
are interconnected.”



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Species and Habitats

Sense of Place & Wellbeing

Coastal Development and Livelihoods

Climate Change and Oceanography

Stewardship & Governance

Clean Water

Seafood



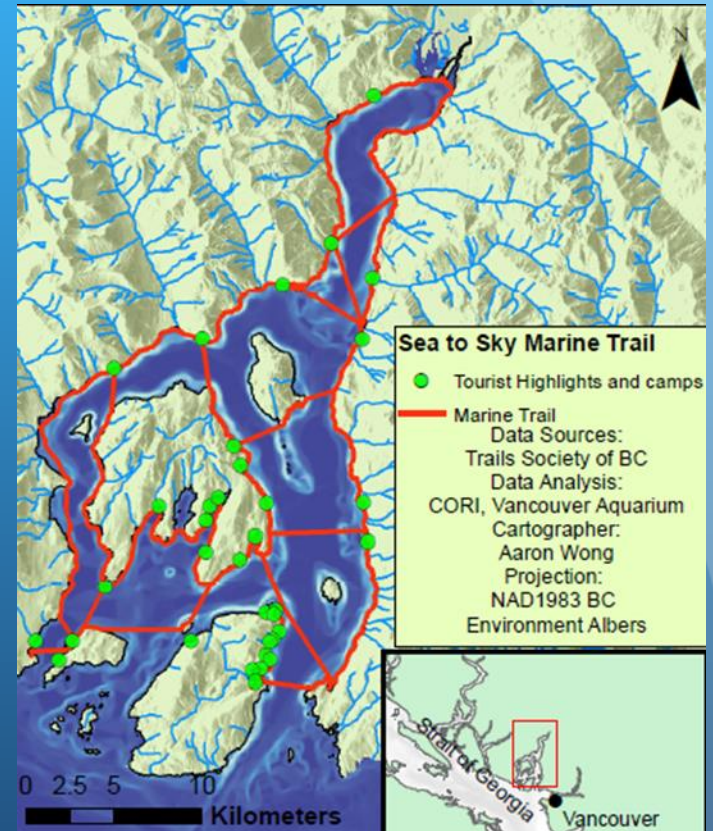
Think Good Journalism...

- What is it?
- What's the hook? Why is it interesting?
- Who are the heroes?
- What is going on?
- How does it impact people; what actions can people take?

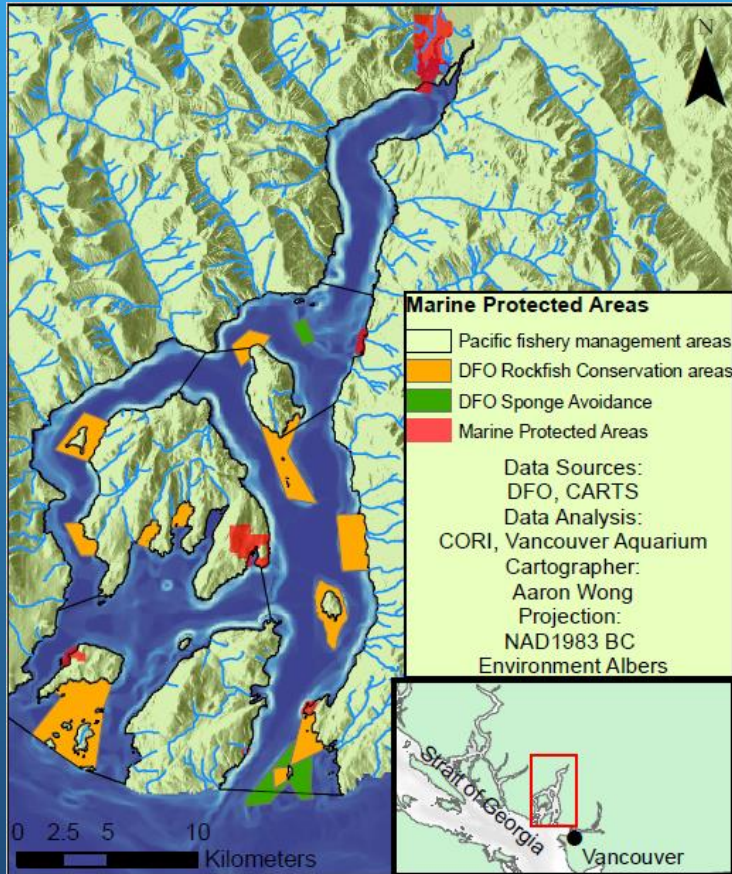
Howe Sound stories 2015

Sense of Place and Wellbeing

- Cultural continuity, valuing culture
- Spotlights on citizen science
- Environmental education
- New recreation opportunities



Howe Sound stories 2015



Stewardship and Governance

- Squamish Nation Stewardship
- Marine Protected Areas
- Toward comprehensive planning for Howe Sound

Howe Sound stories 2015

Coastal Development and Livelihoods

- Coastal population density
- Coastal tenures, development applications
- Large vessel traffic
- Tourism Economy



Photo: Squamish Terminals

Howe Sound stories 2015

Seafood

- Salmon fisheries
- Prawn fisheries



Photo: Steph Hughes



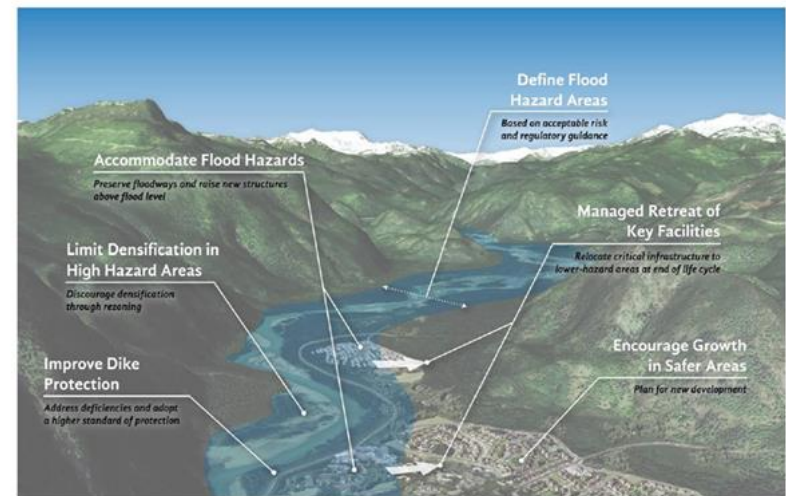
Photo: The Squamish Chief

Howe Sound stories 2015

Oceanography and Climate Change

- Ocean warming
- Squamish - sea level rise
- Greenshores coastal management
- Changing river flows

Key Elements of Mitigation Plan



Source: Dave Roulston

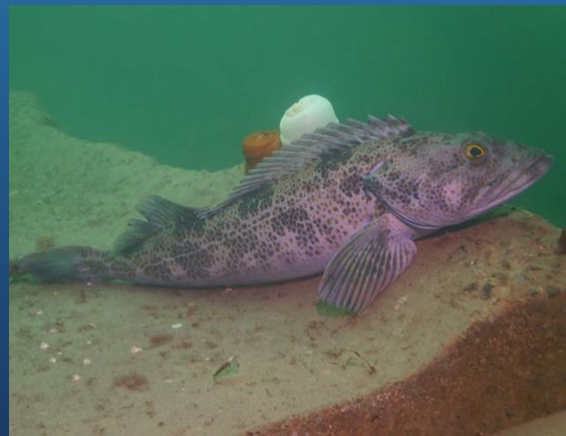
Howe Sound stories 2015

Species and Habitats



Photos: Vancouver Aquarium

- Plankton
- Kelp
- Salmon
- Rockfish
- Sea stars
- Squamish River estuary
- Eagles
- Marine birds
- Lingcod
- Seagrass
- Herring and forage fish
- Whales and dolphins
- Sponge reefs



Howe Sound stories 2015

Clean water

- Metal pollution impacts & status
- Pulp Mills & effluent
- Derelict vessels



Photo: Future of Howe Sound Society

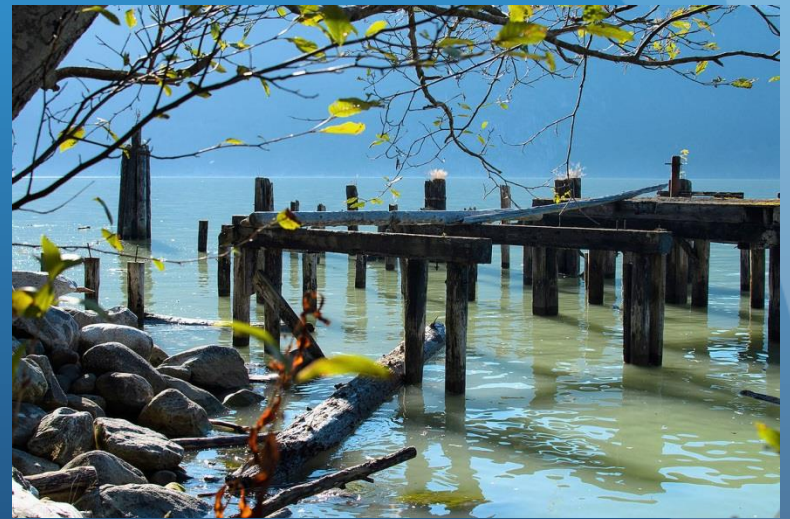


Photo: Anton Bielousov

Partner, co-lead for “report”



Bob Turner

Collaborators, contributors...



Squamish
Nation



David
Suzuki
Foundation

Aquatic Forum

- Community leaders
- Citizen scientists
- ...and more



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Upcoming events

Videos and spirited discussion

- Evening, May 31
- DSF and CORI co-hosting

Aquatic Forum Workshop, June 17, 2016

- Socio-economic knowledge and data gathering

Questions, comments, suggestions...

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