



IUCN
WORLD PARKS
CONGRESS
SYDNEY 2014

*Parks, people, planet:
inspiring solutions*

Marine Protected Areas – Fitting Them In Where Commercial Fishing, Tourism, and Marine Recreation Are The Way Of Life

Karin Bodtker, Morag Carter, Kim Wright, Gord Curry, Sharlene Shaikh, Julie Scott-Ashe, Carrie Robb, Will Soltau



Canada

Sointula

USA

Living Oceans Society was founded in Sointula, a fishing village on Canada's west coast.

View this Story Map to meet the residents.



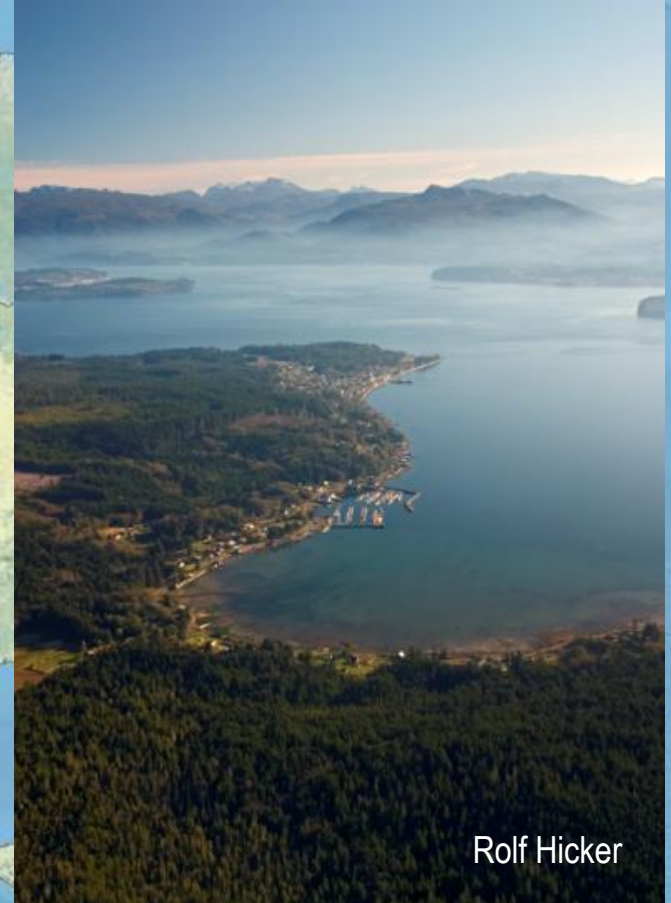
Canada

Sointula

USA

Coastal communities
depend on the ocean for
their livelihoods.

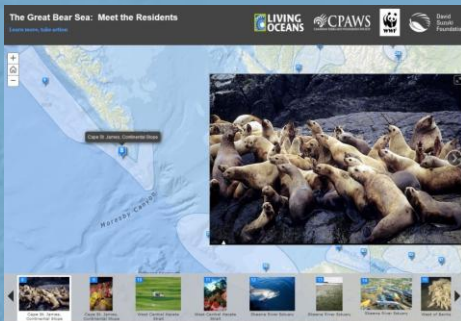
View this Story Map to
meet the residents.



Rolf Hicker

Canada

View this Story Map to
meet the residents.



Dorie Pesicka

Canada

Sointula



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meet the residents.



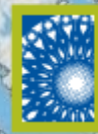
Canada

Guided recreation

View this Story Map to
meet the residents.



Jeff George



LIVING
OCEANS

Canada

Whale watching



Kari Watkins

The Gre



Fitting MPAs in the Great Bear Sea



In the Great Bear Sea...

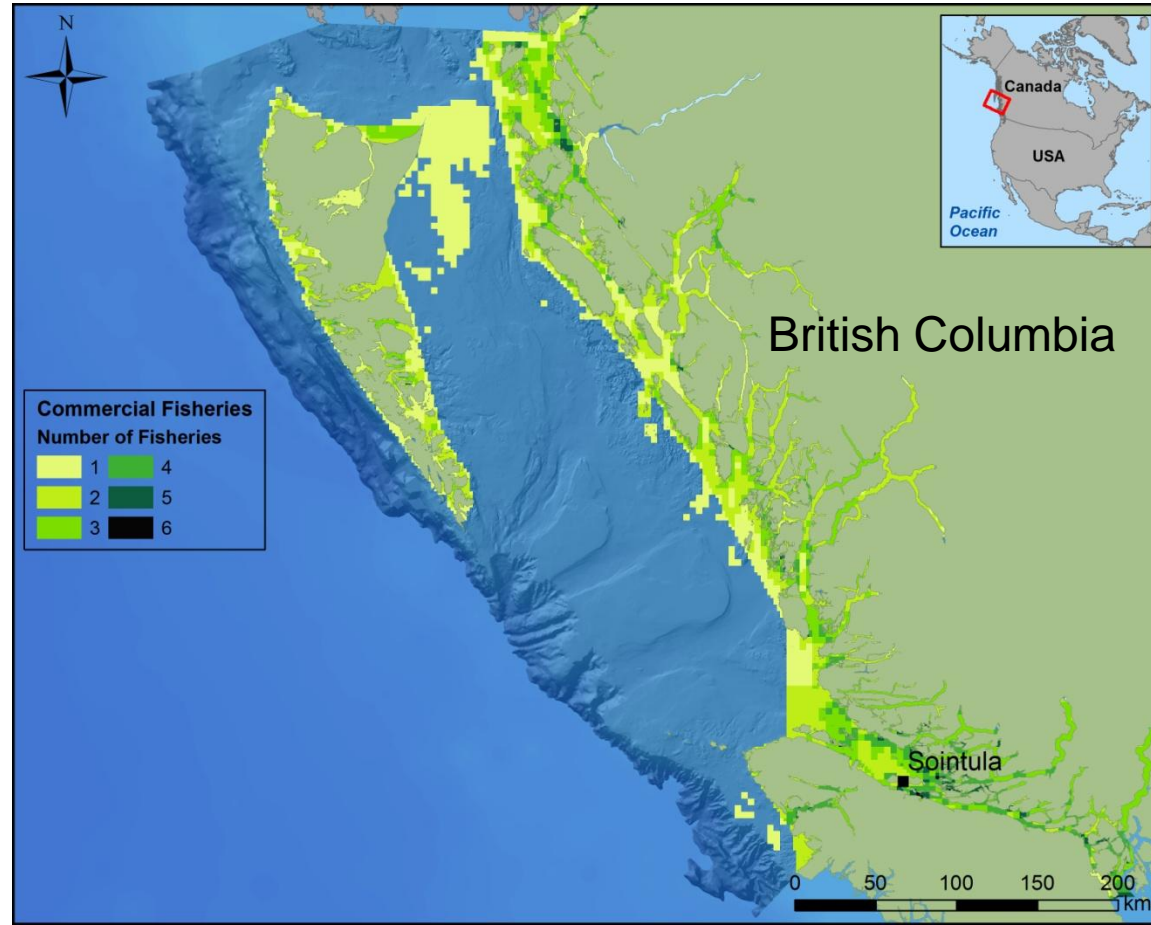


Data:  **BRITISH COLUMBIA
MARINE CONSERVATION ANALYSIS**
and Living Oceans Society, Fisheries and Oceans
Canada, Oil in Canadian Waters Research Group

Fitting MPAs in the Great Bear Sea

In the Great Bear Sea,

- 10 **coastal** commercial fisheries cover 28% of the area

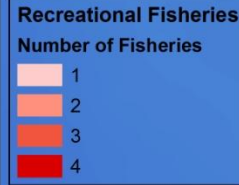
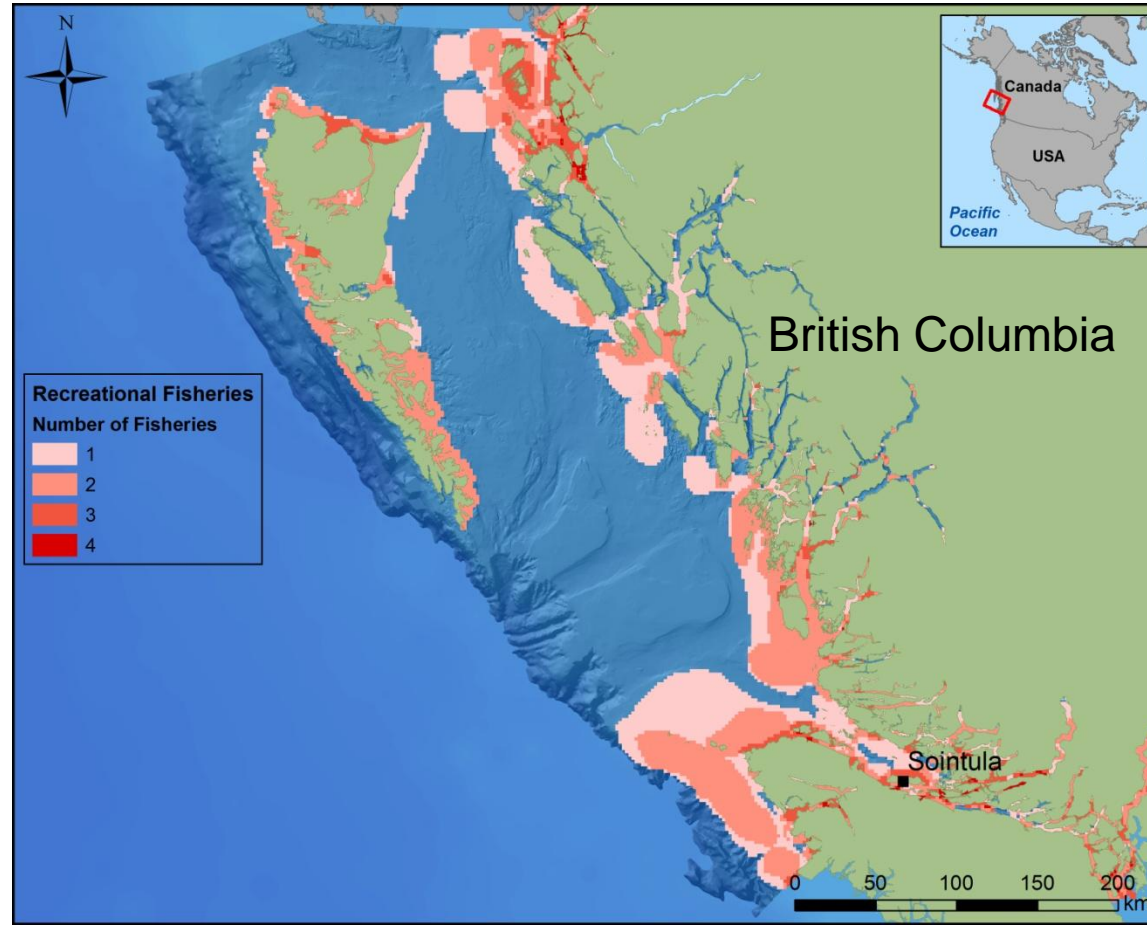


Fitting MPAs in the Great Bear Sea



In the Great Bear Sea,

- 10 **coastal** commercial fisheries cover 28% of the area
- Recreational fisheries cover 33%



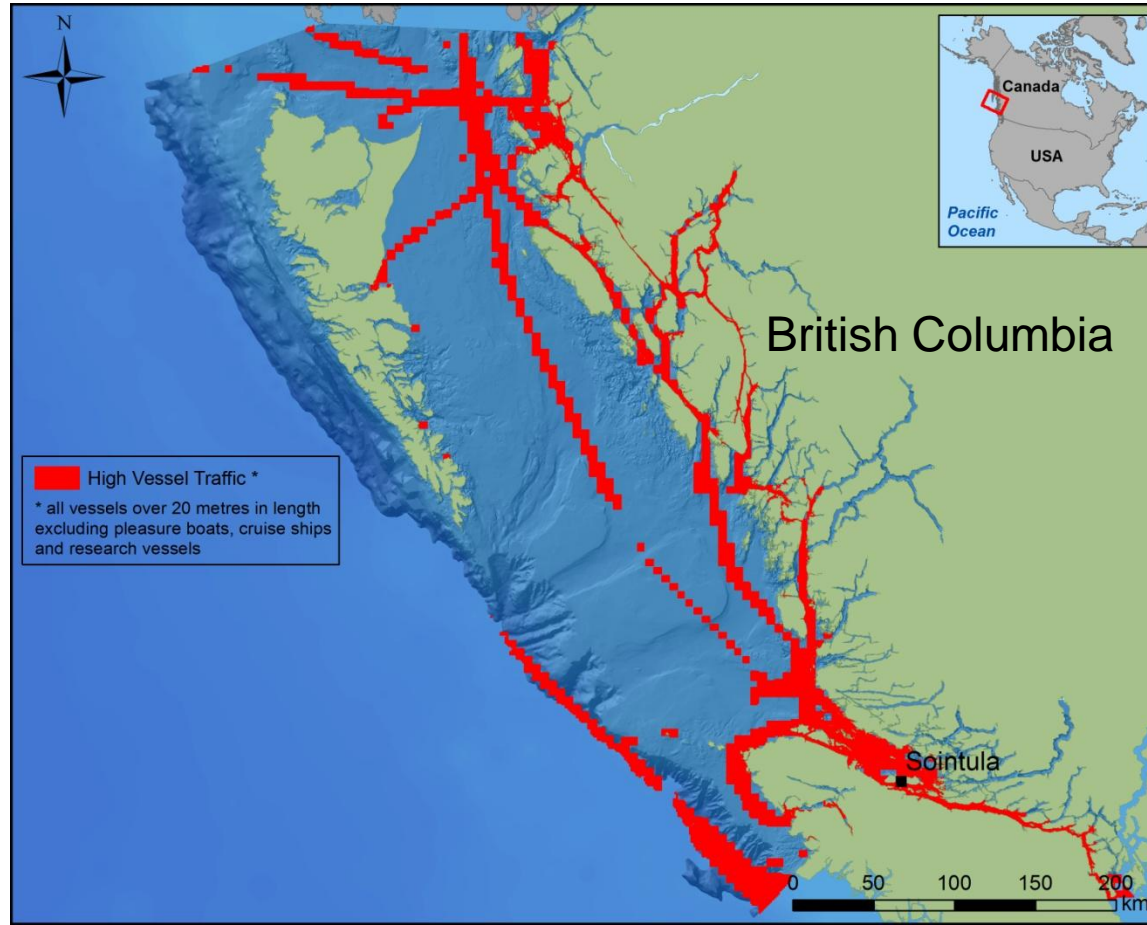
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Fitting MPAs in the Great Bear Sea



In the Great Bear Sea,

- 10 **coastal** commercial fisheries cover 28% of the area
- Recreational fisheries cover 33%
- High volume shipping and transportation routes cover 17%



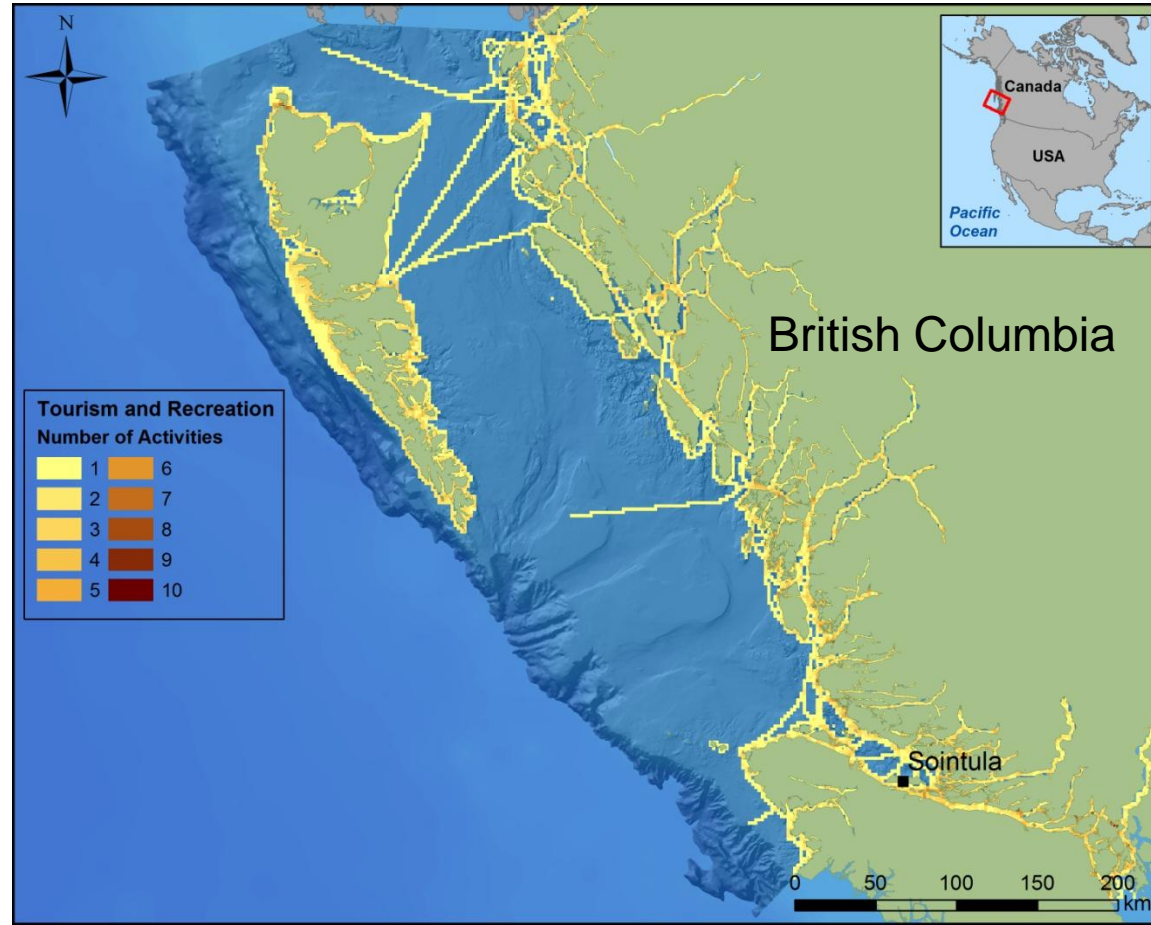
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Fitting MPAs in the Great Bear Sea



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- High volume shipping and transportation routes cover 17%
- Tourism and recreational uses cover 21%



Tourism and Recreation
Number of Activities



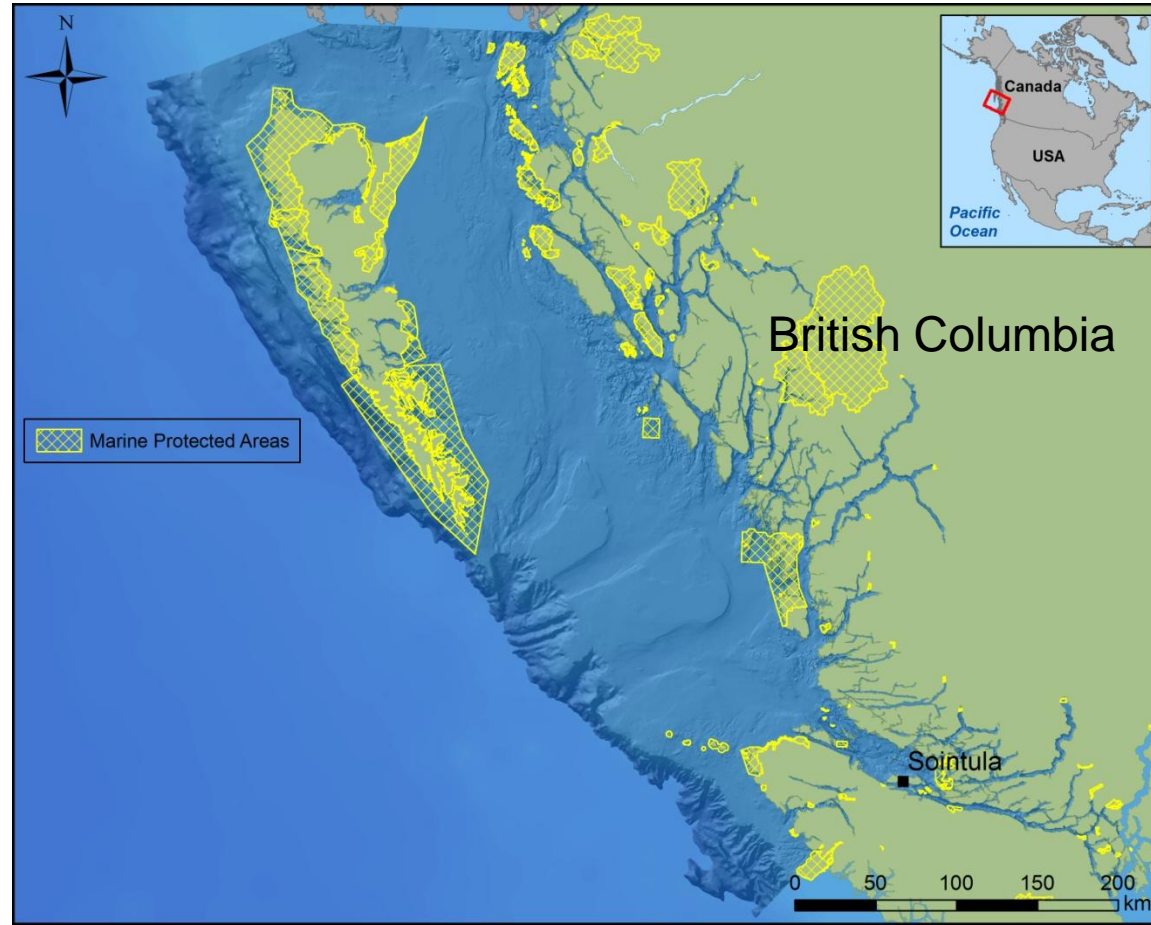
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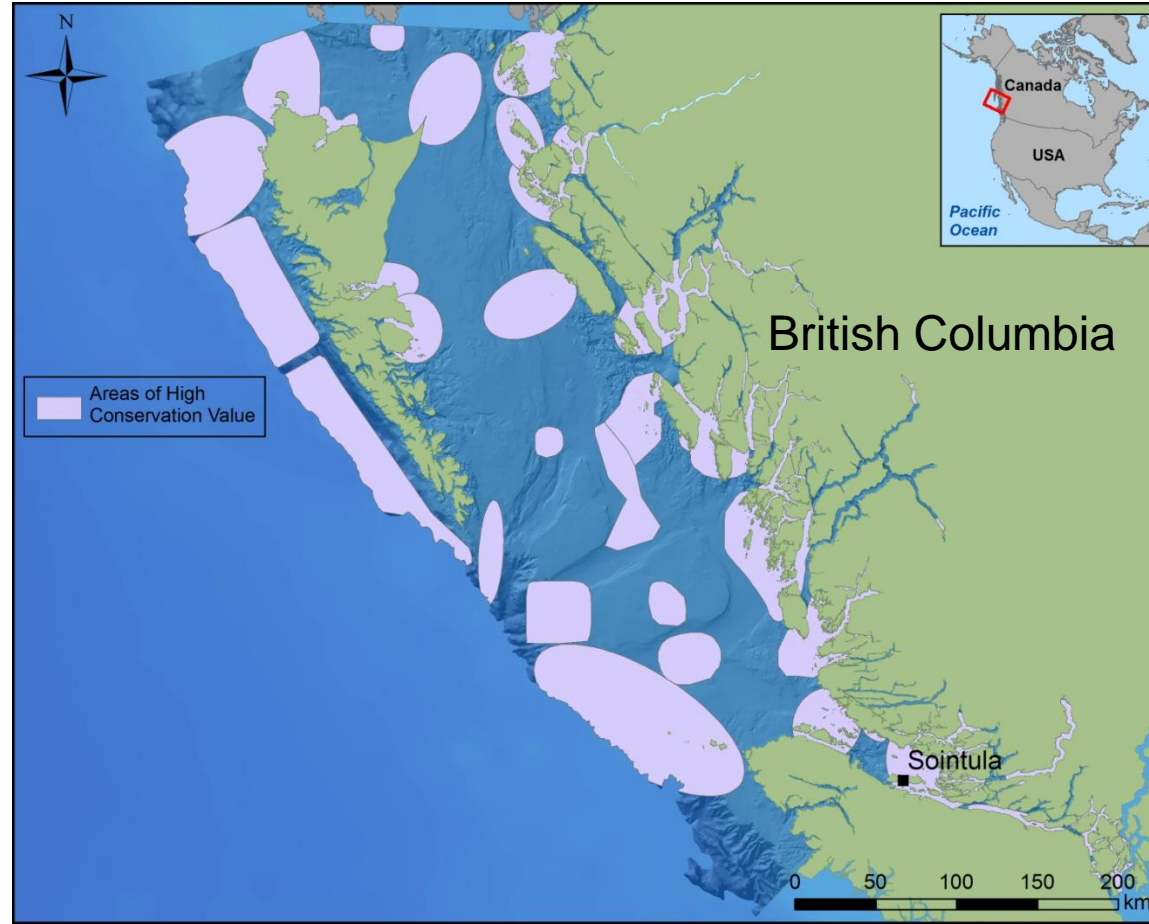
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Fitting MPAs in the Great Bear Sea



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- Existing MPAs cover almost 7%
- Areas of high conservation value cover 42%

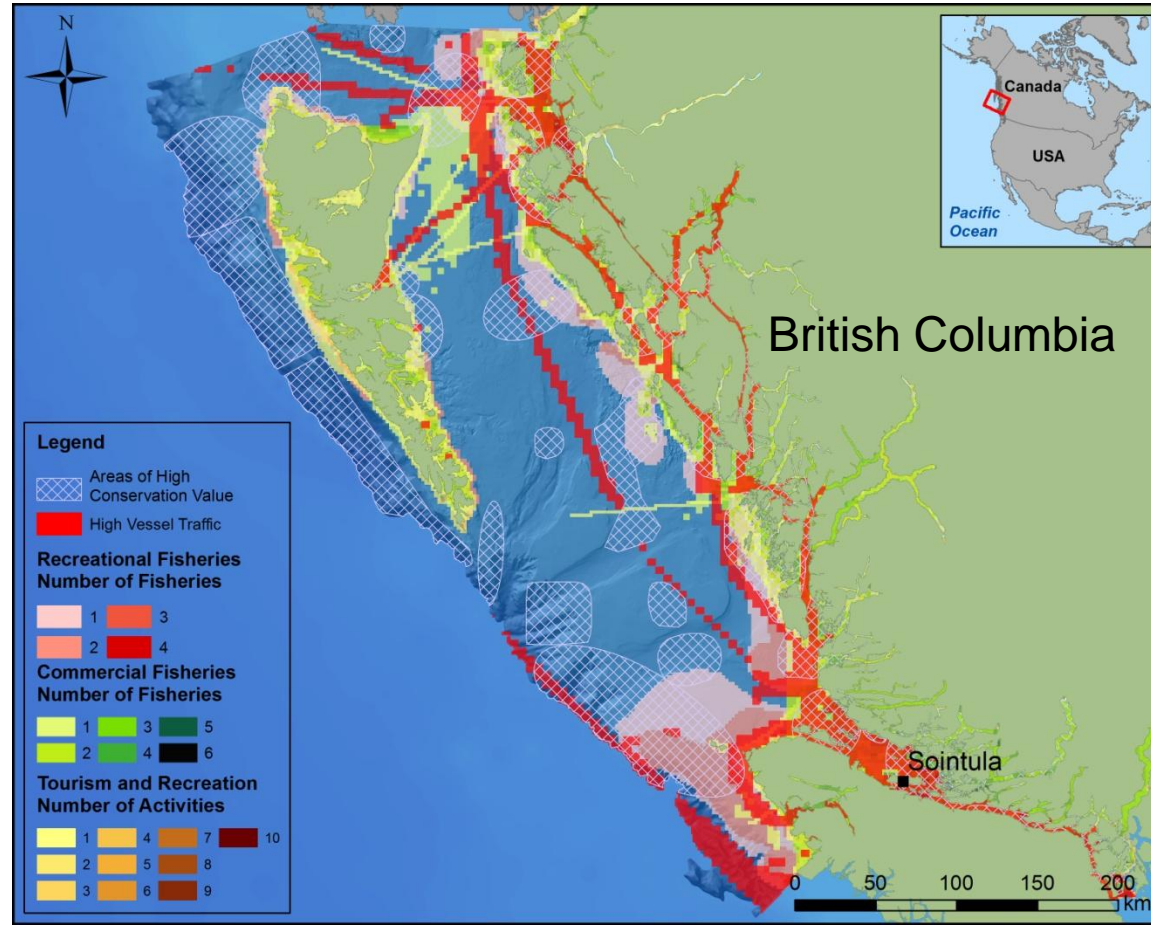


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Fitting MPAs in the Great Bear Sea

In the Great Bear Sea,

We are working on
an MPA network to
benefit community
and ocean health.



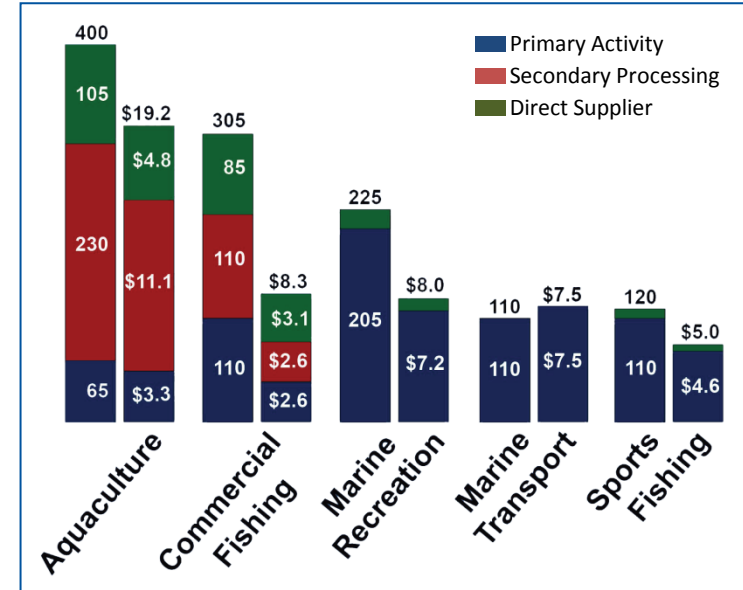
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We collaborate to inspire change



Two examples:

1. We partnered with regional government to research links between healthy oceans and the regional economy. 87 residents were interviewed.
 - Non-dollar values: Ocean is integral to the culture, way of life, and collective identity. Some call it "Mother Ocean" while others explained it as part of themselves.
 - Dollar values: Industries generate 1160 person-years of employment directly to regional residents and \$48 million in wages & benefits.



Direct contribution of marine industries to the Regional economy in 2009. Employment in person-years (left column); wages and benefits in millions of dollars (right column). [View Report](#)

We collaborate to inspire change



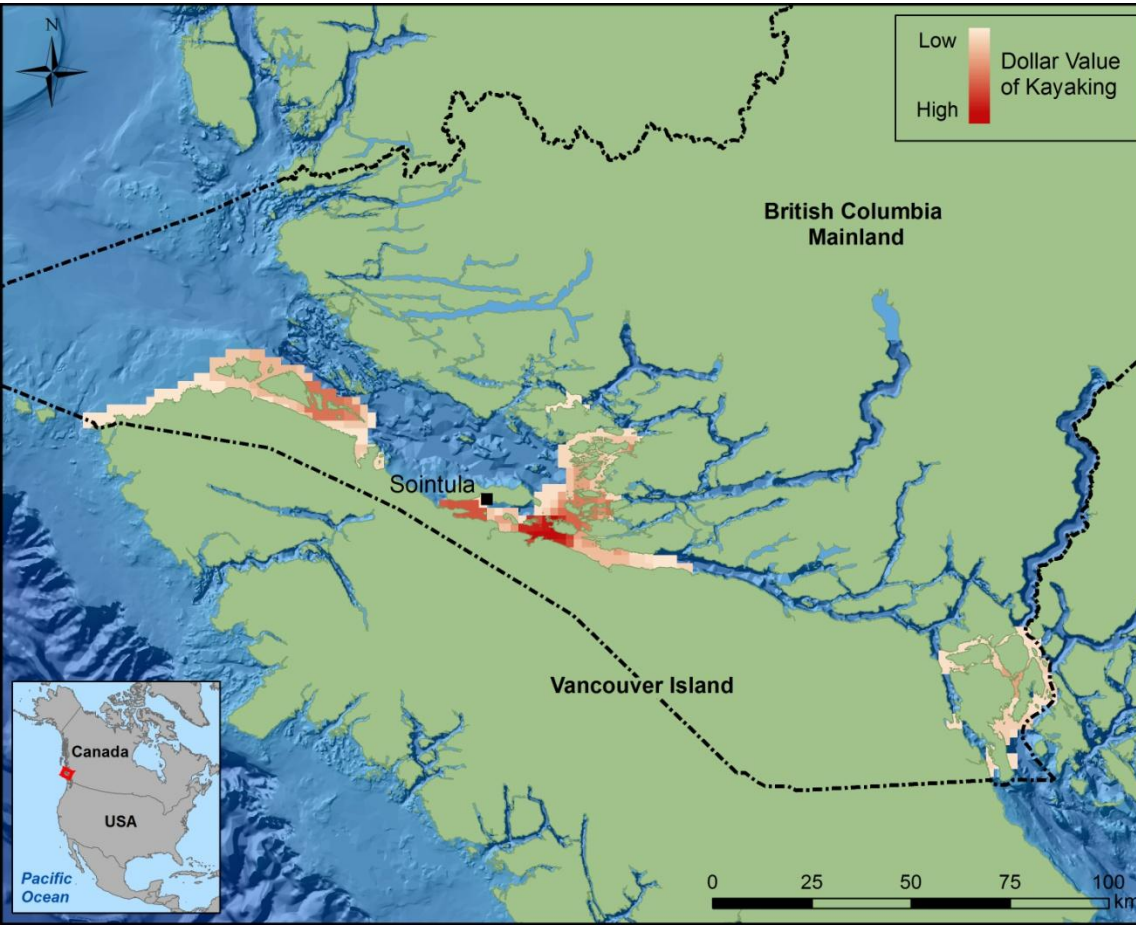
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 - Dollar values: Industries generate 1160 person-years of employment directly to regional residents and \$48 million in wages & benefits.
2. We are partnering with First Nations toward the creation of Indigenous Community Conserved Areas and Territories (ICCAs).



[Watch video](#)

Protection to enhance ecotourism

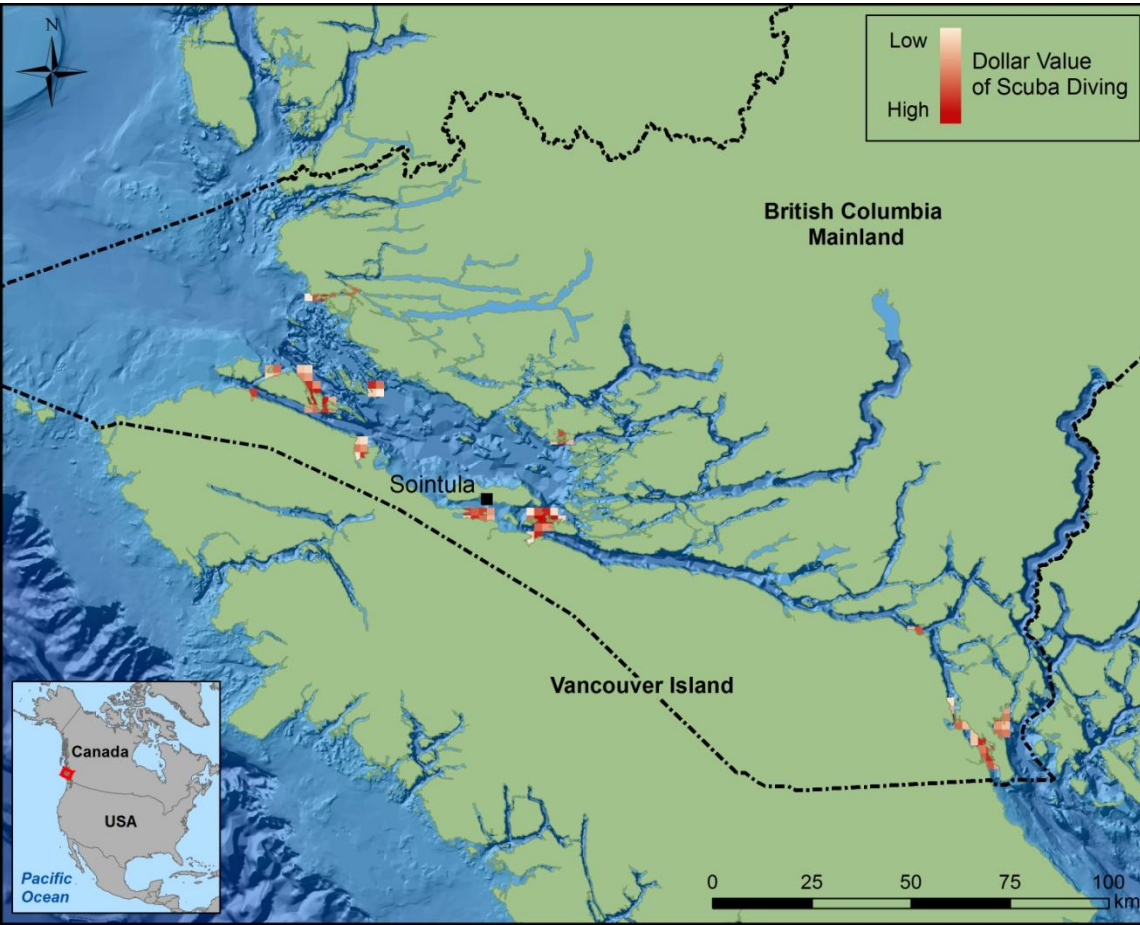


Step 1: We worked with recreational users and **kayaking**, diving, wildlife businesses to map the dollar value of popular ecotourism areas.



C.A Kuderle

Protection to enhance ecotourism

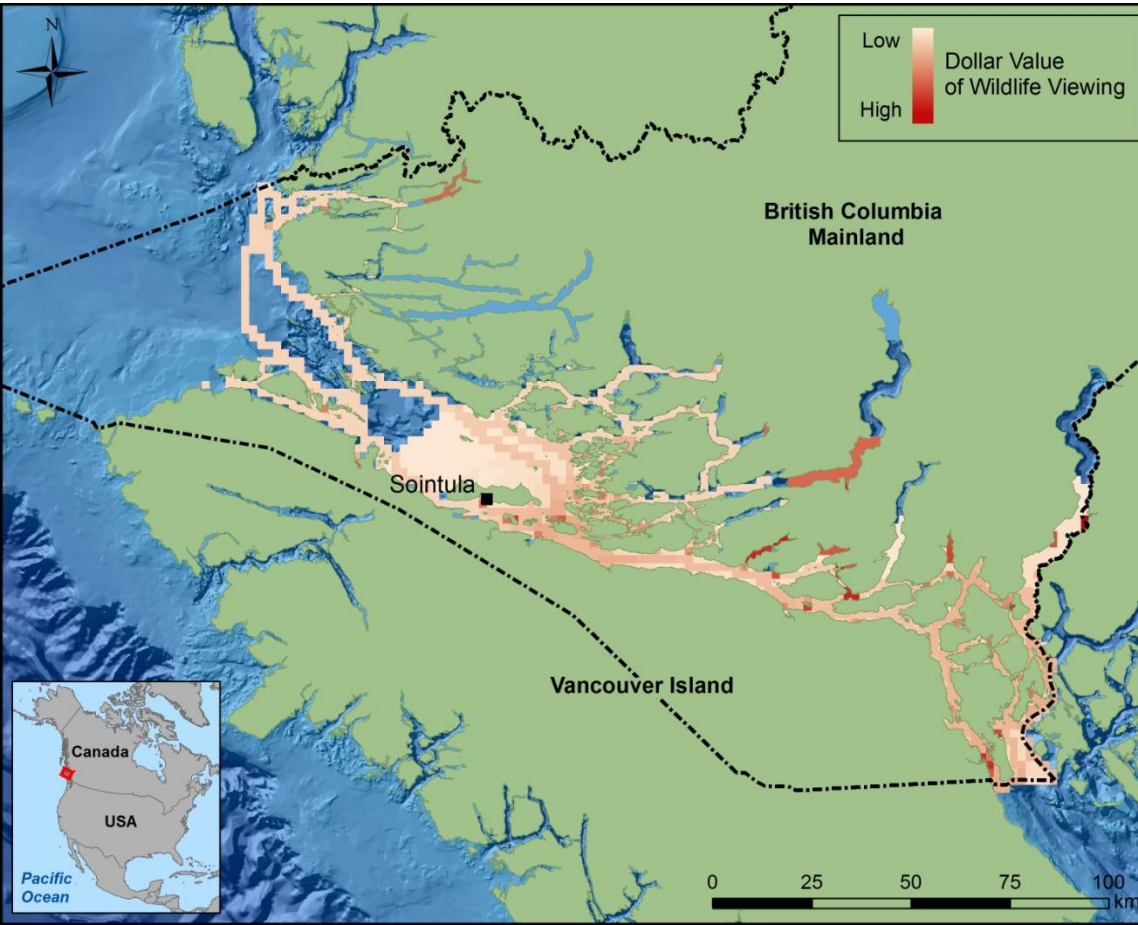


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Janna Nichols

Protection to enhance ecotourism

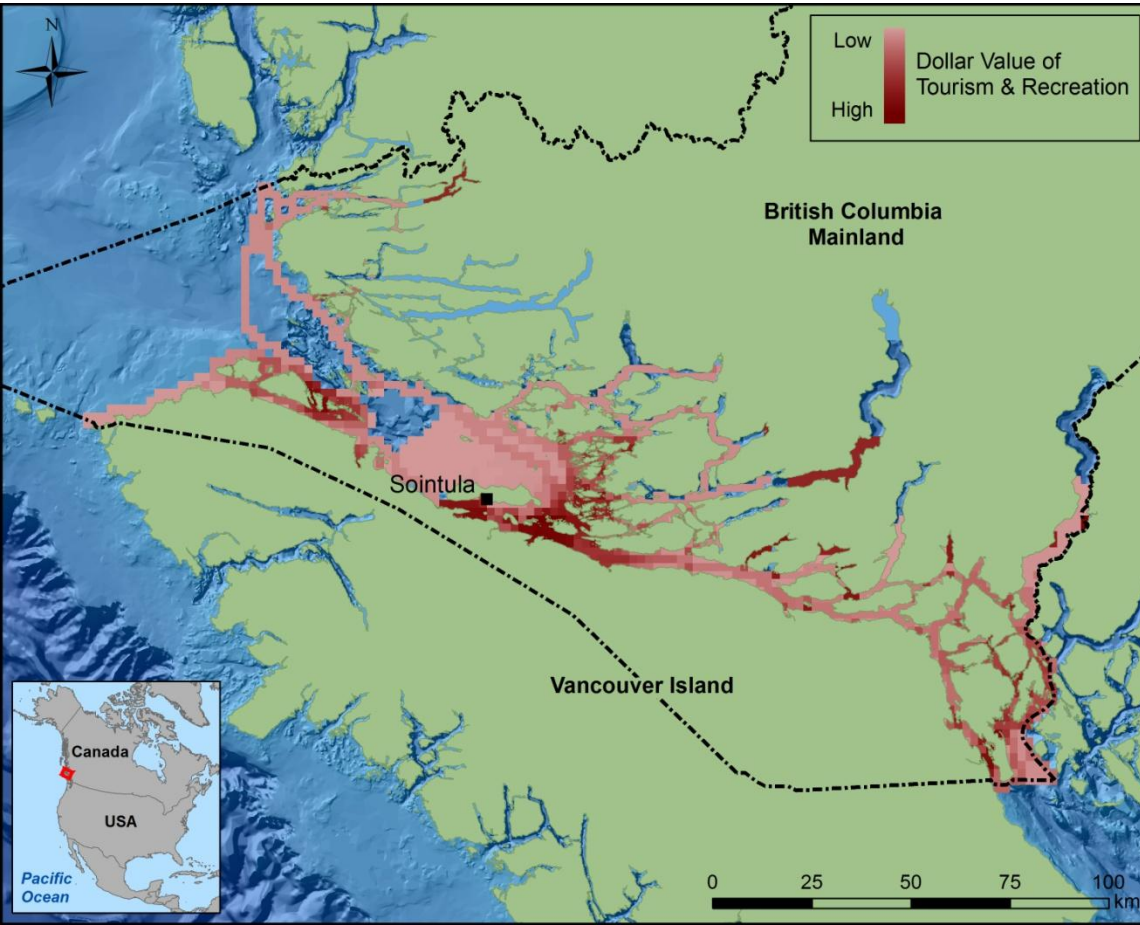


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Amanda Schmitke

Protection to enhance ecotourism

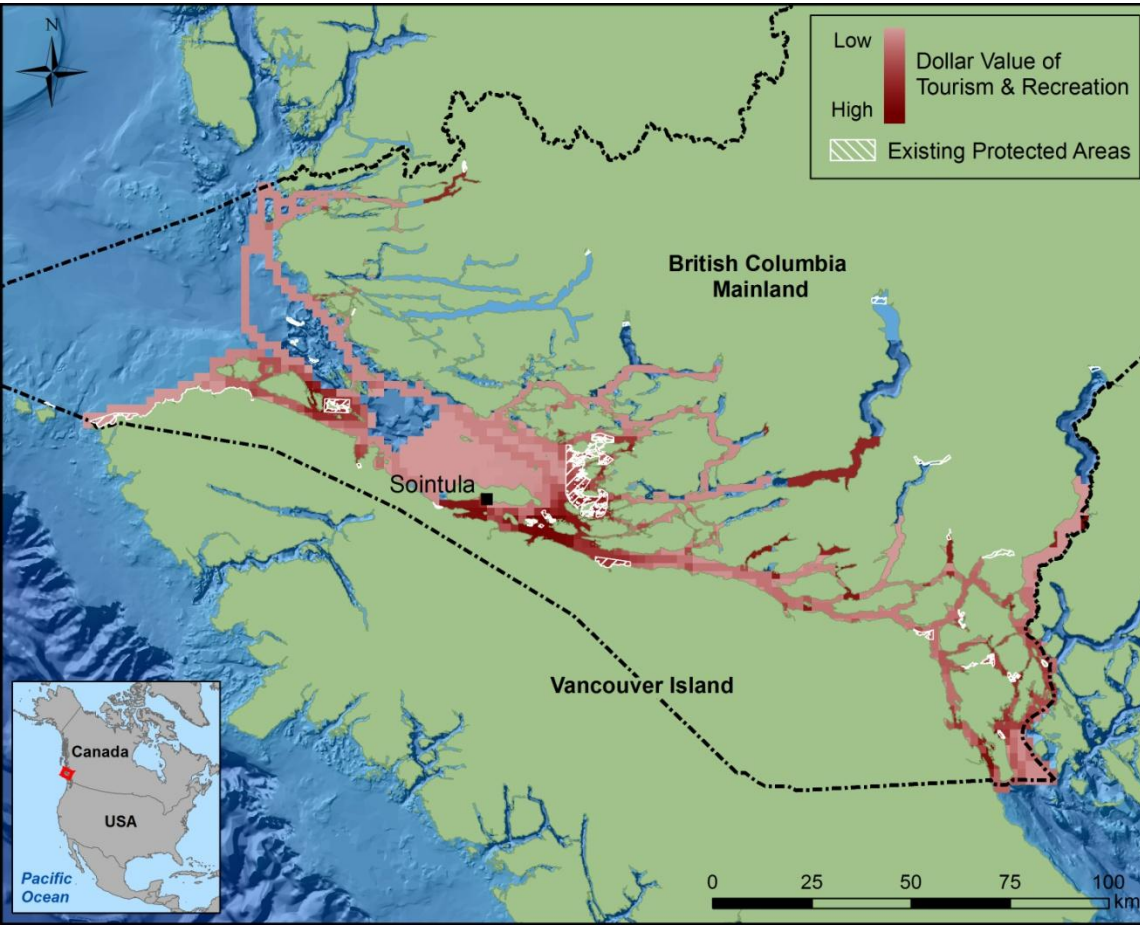


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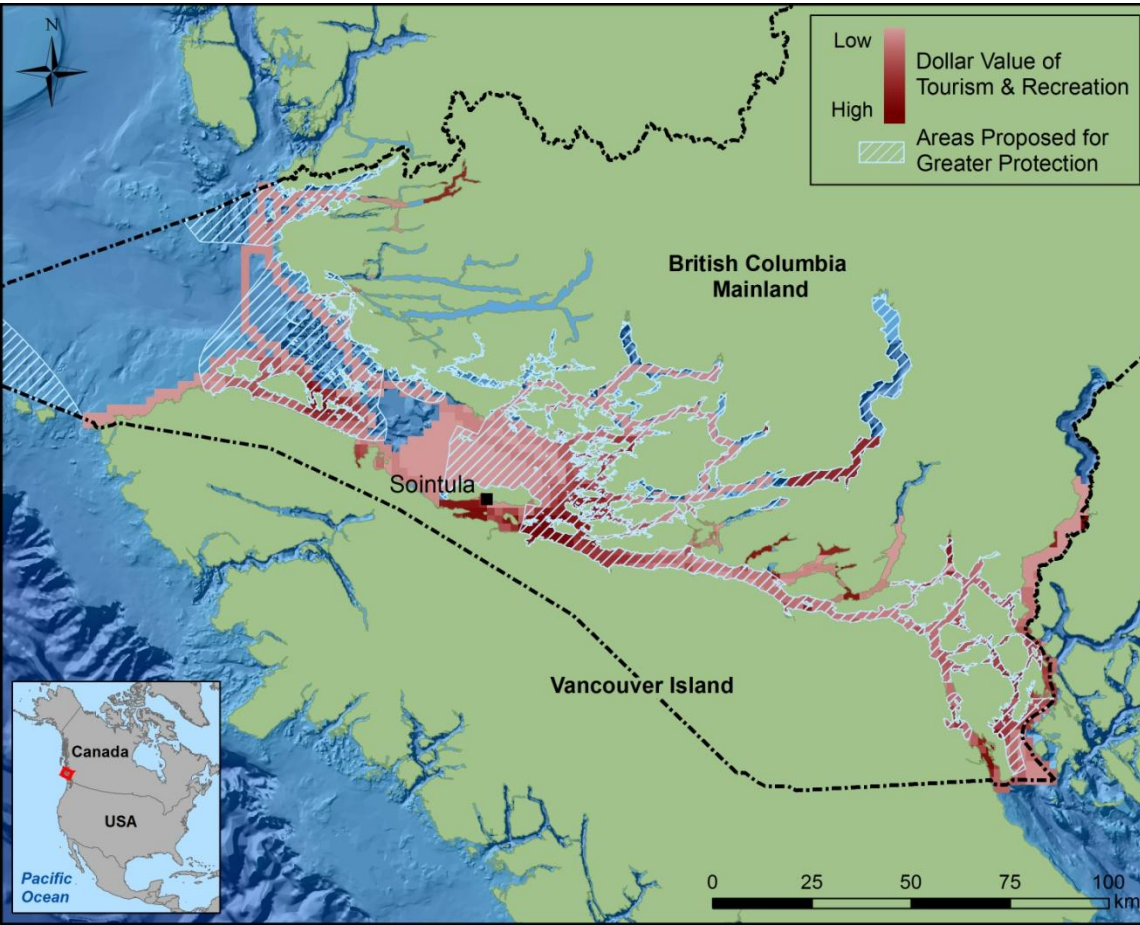
Protection to enhance ecotourism



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Protection to enhance ecotourism



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Step 2: We examined the overlap with existing protection and found that many of the lucrative tourist areas fell outside of existing protected areas.

Step 3: Conservation groups are proposing greater protection for larger ecosystems – in part to sustain and enhance the value of ecotourism to the area.

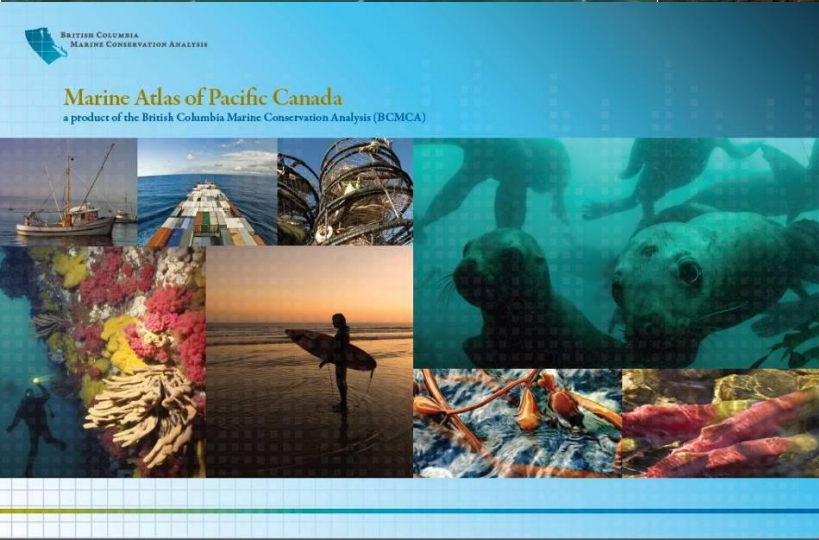
Successes



Brian Mose



A collaboration with commercial trawlers resulted in new fishery management measures including the first-ever habitat bycatch quota and a frozen trawl footprint.



British Columbia Marine Conservation Analysis

- a six-year collaboration among organisations, agencies, industries, and institutions.
- developed resources for marine spatial planning and MPA network design including the Marine Atlas of Pacific Canada.

An inspiring solution



Innovative and effective

- We ask and show how ocean health is crucial for coastal livelihoods.
- We map economic and conservation values to illustrate the need for protection.

Evidence of impact

- Government-led (Province of B.C. & 18 First Nations) marine spatial planning just wrapped up, Oct. 31. Protection Management Zones cover 18% of the Great Bear Sea; most stakeholders are supportive.

Why apply elsewhere or more broadly?

- Shared understanding of the breadth and depth of value we take from the oceans helps us make wise decisions.



Kevin J. Smith



J.G. Brouwer

What makes it work?



Dale Sanders

Components that lead to success

- Unusual partnerships including with a development-focused regional district government and commercial fishermen
- Persistence

Enabling factors

- We have community support and a long history in Sointula.
- We are willing to listen, learn, and adapt.