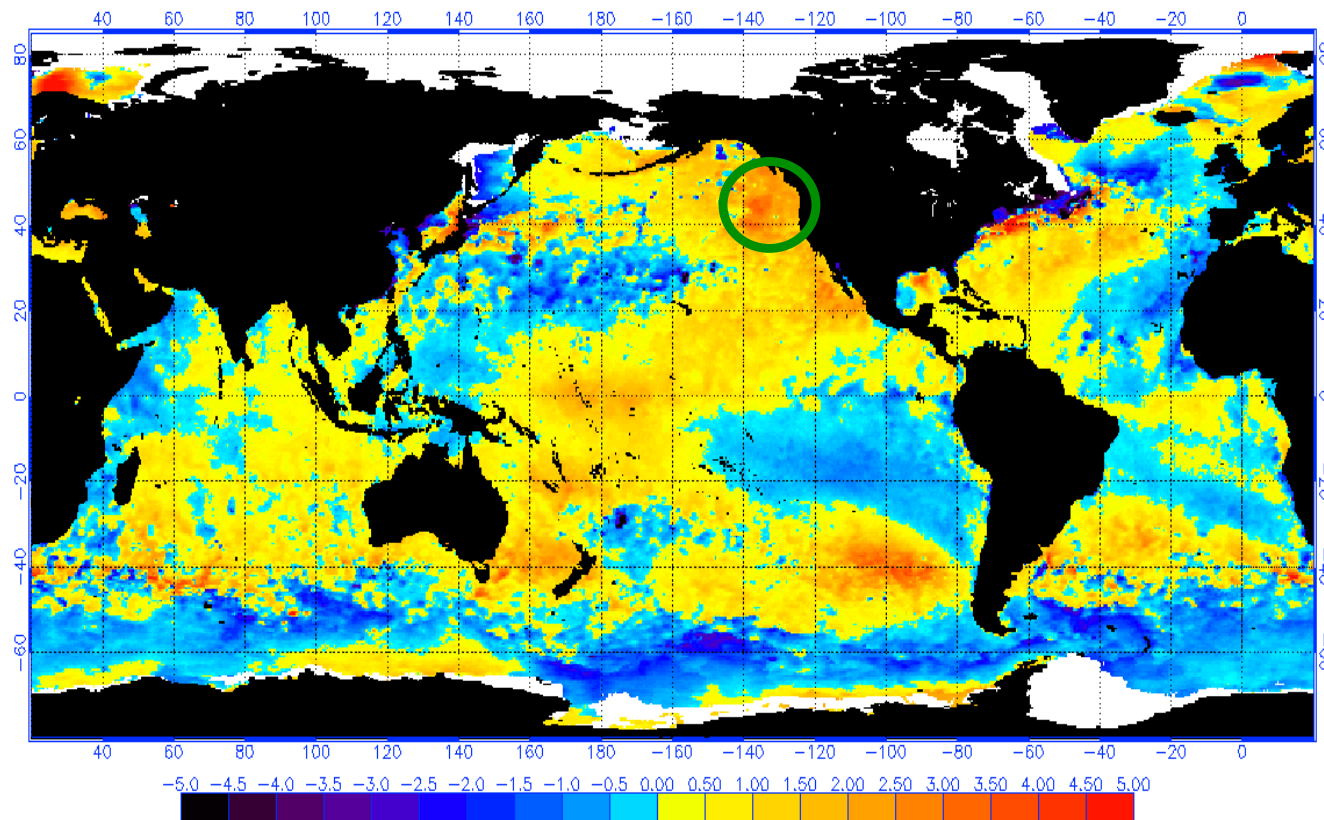


# Eating with the Ocean Ecosystem: Fisheries for a One Planet Region



Community Room  
Victoria Public Library  
Jim McIsaac, Feb 21, 2019

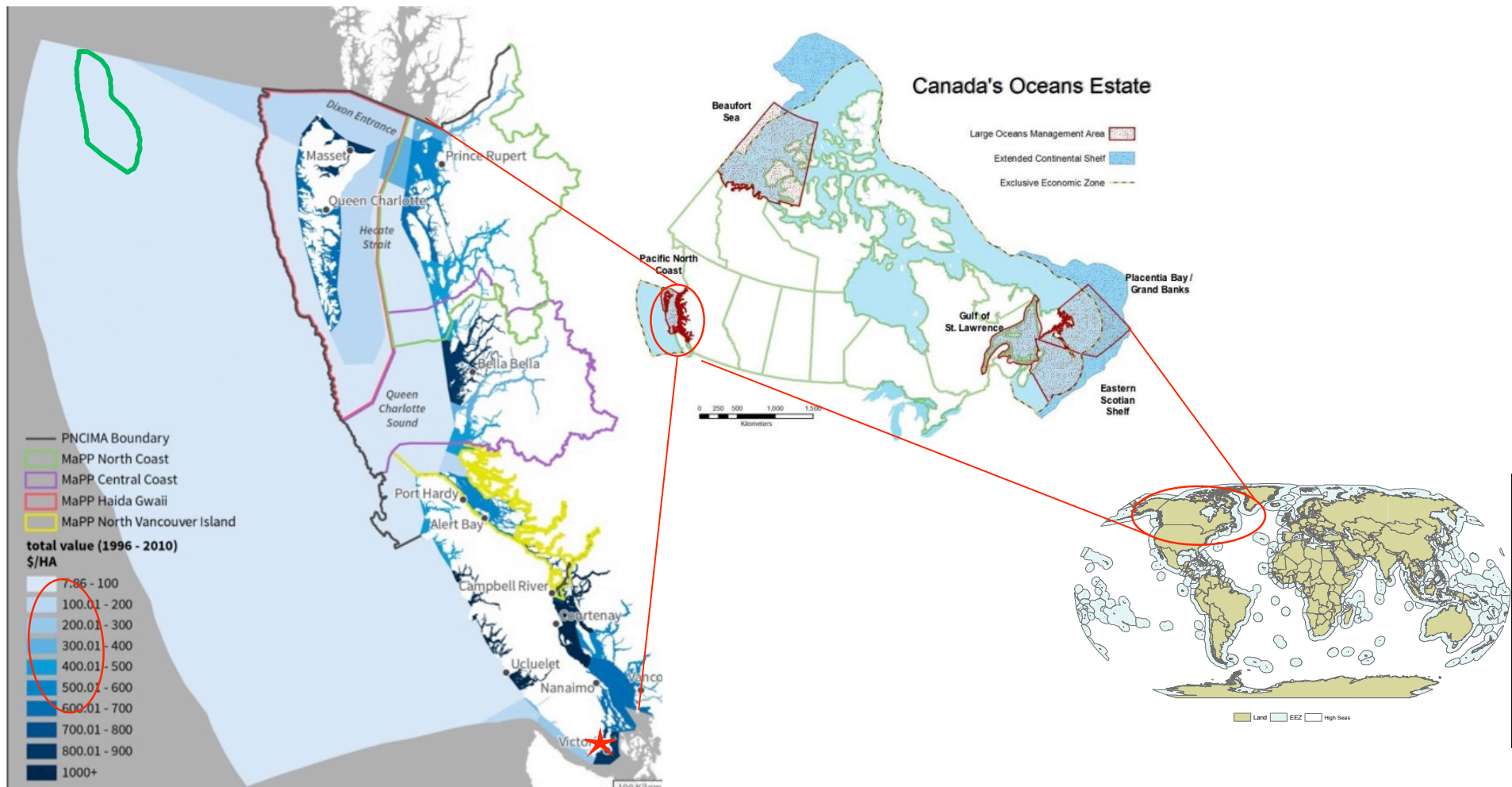
NOAA/NESDIS 50 KM GLOBAL ANALYSIS: SST Anomaly (degrees C), 3/5/2015  
(white regions indicate sea-ice)



**Disruptive forces**  
**Protectionism**  
**Rapid tech change**  
**Increasing population**  
**Rapid urbanization**  
**Rising middle class**  
**Increasing resource demand**  
**Ocean grabbing**  
**Increasing pollutions:**  
**Plastics**  
**CO2 up O2 down**  
**POPs**  
**Ocean Acid**  
**Weak ocean governance**  
**Fractured decision making**

## Importance of Ocean – Rapidly Changing Systems



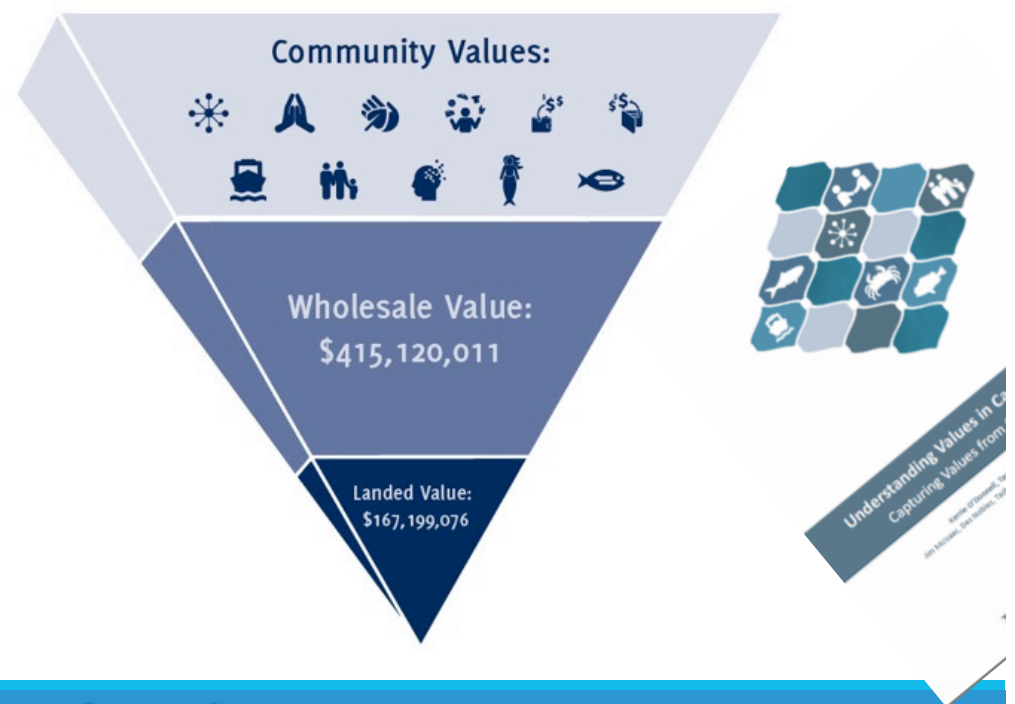


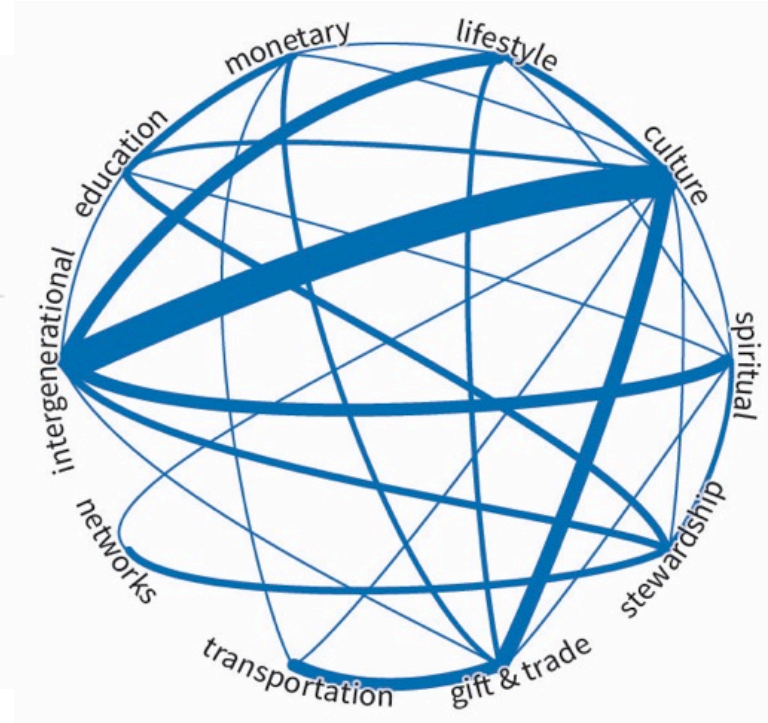
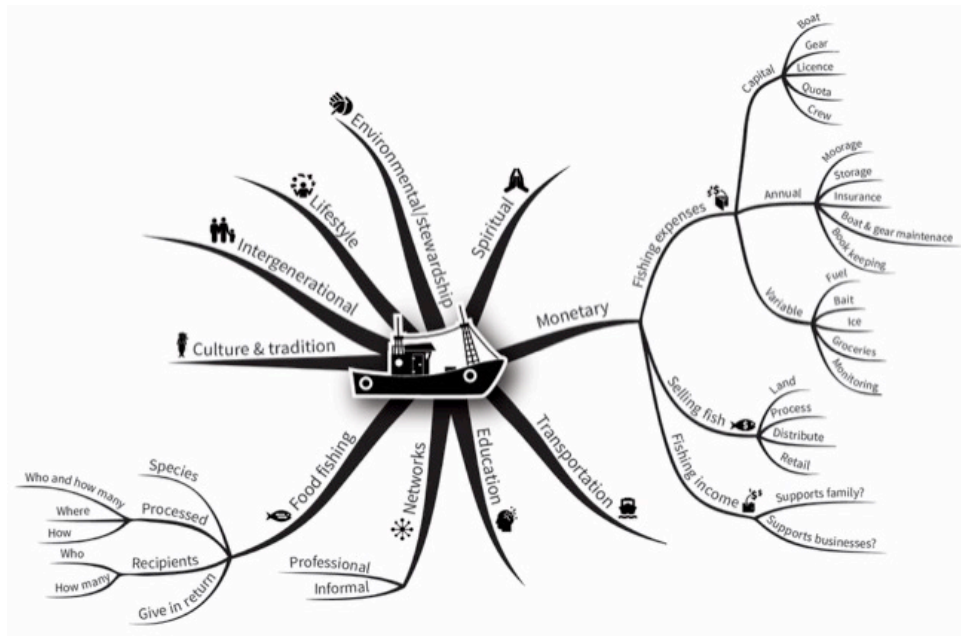
## Managing our Ocean Estate

- 22 different fisheries
- Landed value: \$410M  
2016 trending up
- Tuna, crab up, herring,  
prawn down
- 10,000 seasonal jobs:  
fishing & processing
- Investment \$2.3B licenses  
and quota, \$500M vessels
- 159,000 T/yr trend down
- 87% seafood exported
- 13 MSC fisheries
- Growth 2%-2013
- Cyclic # companies/yr:  
204/05-> 176/08->  
219/2010-> 209/2015
- Consolidation up in  
processing/ownership
- Foreign ownership up
- Over processed > 50
- Threats: OA, CC, O2,  
Pollution

# Value of fisheries to coastal community

- Tangible values from fisheries: landed value, wholesale value, retail value, and food value.
- Less tangible values, cultural ecosystem services: knowledge systems, social systems, connection to ecosystem, and aesthetic values.
- The ocean helps define the economic, social and cultural fabric of coastal communities





## Tangible & Intangible Values

Courtesy of: Beth Fulton

Ecological, Economic, Social objectives

All best met

Global Drivers

Good for many

Sufficient for many

Meet few

Poor across all

Do nothing

Sector focus

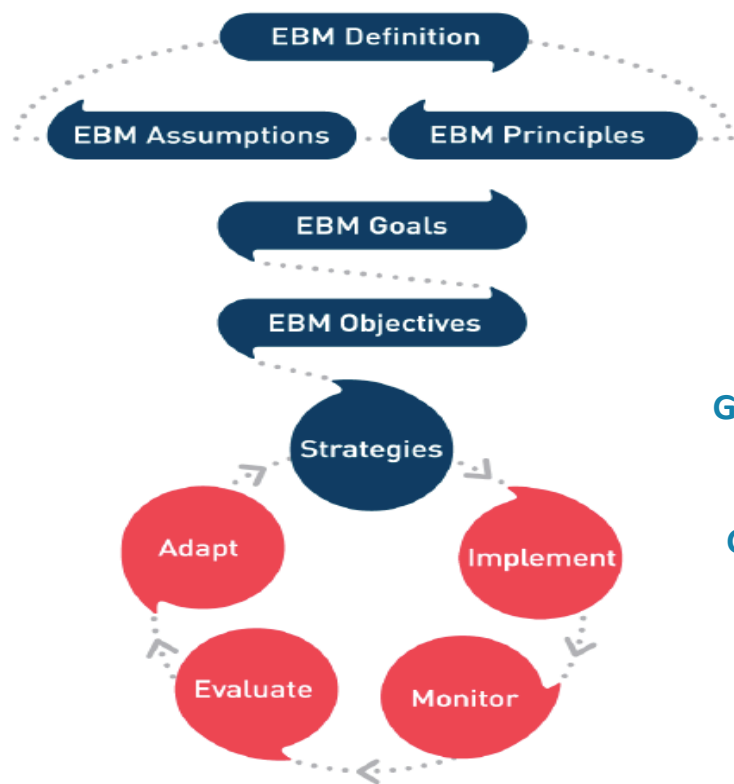
Manage in space or time

Add other dimension

Integrated management

Integrated Ecosystem Based Management





**Definition:** Ecosystem-based management is an adaptive approach to managing human activities that seeks to ensure the coexistence of healthy, fully functioning ecosystems and human communities

## Interconnected Goals

**Goal 1:** Integrity of the marine ecosystems.

**Goal 2:** Human well-being supported through societal, economic, spiritual, and cultural connections to marine ecosystems.

**Goal 3:** Collaborative, effective, transparent, and integrated governance, management, and public engagement.

**Goal 4:** Improved understanding of complex marine ecosystems and changing marine environments.



### Atlantic Coast Community Trends:

- Population stable slightly down
- Youth retention up
- Incomes up
- Investment up
- Infrastructure up
- Transport linkages up
- Education up
- Health & wellbeing up
- Drug and alcohol abuse down
- Social service costs stable
- **Fishery is BACKBONE of adjacent coastal communities and integral to cultural fabric**

### Pacific Coast Community Trends:

- Population down
- Youth retention down
- Income down
- Investment down
- Infrastructure down
- Transport linkages down
- Education down
- Health & wellbeing down
- Drug and alcohol abuse up
- Social service costs up
- **Fishery increasingly disconnected from adjacent coastal communities**





Contents lists available at ScienceDirect

Marine Policy

journal homepage: [www.elsevier.com/locate/marpol](http://www.elsevier.com/locate/marpol)



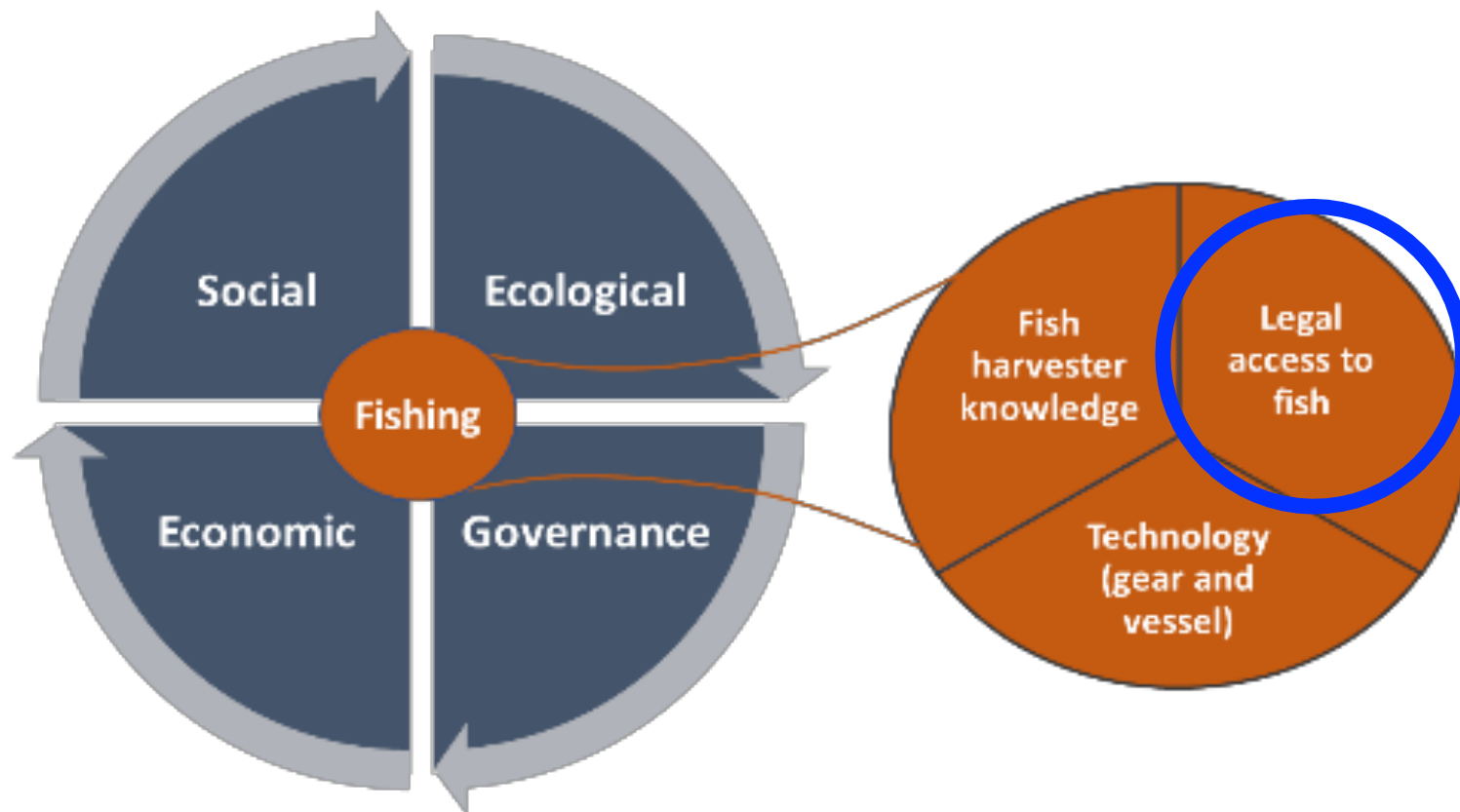
Coastal and Indigenous community access to marine resources and the ocean: A policy imperative for Canada



## ABSTRACT

Access, defined as the ability to use and benefit from available marine resources or areas of the ocean or coast, is important for the well-being and sustainability of coastal communities. In Canada, access to marine resources and ocean spaces is a significant issue for many coastal and Indigenous communities due to intensifying activity and competition in the marine environment. The general trend of loss of access has implications for these communities, and for Canadian society. In this review and policy perspective, we argue that access for coastal and Indigenous communities should be a priority consideration in all policies and decision-making processes related to fisheries and the ocean in Canada. This paper reviews how access affects the well-being of coastal communities, factors that support or undermine access, and research priorities to inform policy. Recommended actions include: ensuring access is transparently considered in all ocean-related decisions; supporting research to fill knowledge gaps on access to enable effective responses; making data accessible and including communities in decision-making that grants or restricts access to adjacent marine resources and spaces; ensuring updated laws, policies and planning processes explicitly incorporate access considerations; and, identifying and prioritizing actions to maintain and increase access. Taking action now could reverse the current trend and ensure that coastal and Indigenous communities thrive in the future. This is not just a Canadian issue. Globally, the ability of

Laws and policies related to the ocean, explicit language... and processes ought to be developed and included to guarantee consideration and protection of access of local harvesters & adjacent communities



**Justifying Canada's Heads to Ahousa Fisheries Justification Trial**  
 By Estella Charleson in Of Interest / M...  
 The Nuuchah-Nulth returned to court to determine whether Canada's infringement on their rights to fish for herring is justified under the Constitution. The court will determine whether Canada's infringement on the Nuuchah-Nulth's rights to fish for herring is justified under the Constitution.

**Nuuchah-nulth Tribal Council seeks intervenor status in T'aak-wiihak court case appeal**  
 Denise Titian, September 10, 2018

**West Coast Vancouver Island** — The Nuuchah-nulth Tribal Council has announced that it will seek BC Court of Appeal consent to intervene in the T'aak-wiihak Fisheries court case, which is currently seeking a ruling on the government's past and ongoing infringement of five Nuuchah-nulth nations' commercial fishing rights.

**BETWEEN:**  
**THE COUNCIL OF THE HAIDA NATION AND PETER LANTIN, SUING ON HIS OWN BEHALF AND ON BEHALF OF ALL CITIZENS OF THE HAIDA NATION**  
 Applicants  
 and  
**MINISTER OF FISHERIES AND OCEANS**  
 Respondent

**CERTIFICATE OF ORDER**  
 I HEREBY CERTIFY that THIS COURT ORDERS that:  
 1. The Minister, a Regional Director-General, or any Department of Fishery Officer, is hereby enjoined from opening a commercial herring fishery on Haida Gwaii until the earliest of:  
 a) The end of the 2015 roe herring fishery;

Court cases abound  
 Justification Trial  
 Pipeline clashes  
 Planning Clashes  
 DFO & Processors VS FN  
 Herring Injunctions  
 Fishermen threatened  
 Jurisdictions clashing  
 Fish left in the water  
 Communities in decline  
 Unemployment on coast  
 Jobs exported





OVERVIEW

THE PROBLEM

HELP US

CONTACT FOPO



[www.saveourbcfisheries.info](http://www.saveourbcfisheries.info)





CONTACT: 250-360-1398  
[jim@bucksuzuki.org](mailto:jim@bucksuzuki.org)

Thanks for listening