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OVERVIEW



- Worldview
- Significance of Eels
- Eel fisheries
- IKS and Science
- Management
- Species at Risk
- Moving Forward



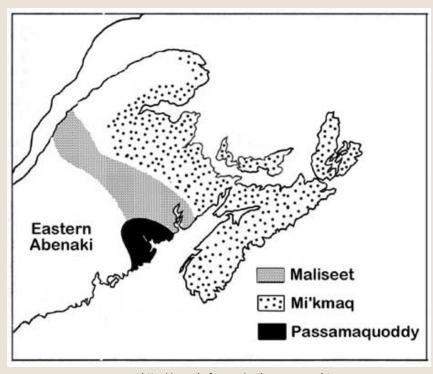
Guides on the Tobique River, c. 1862. Tobique River, Taylor, G.T., Provincial Archives of New Brunswick.



MI'KMAQ AND WOLASTOQ NATIONS



- Two separate nations
- Both part of the Wabanaki Confederacy
- Knowledge is placebased
- Wabanaki= People of the Dawn
- Wolastoqiyik= People of the beautiful river



http://www.bofep.org/native_resource.htm



FIRST NATIONS WORLDVIEW



- Multiple ways of knowing
- Mother Earth is borrowed from future generations
- Respect, relationship, reciprocity and responsibility
- Equality of life; humans are one part of the ecosystem

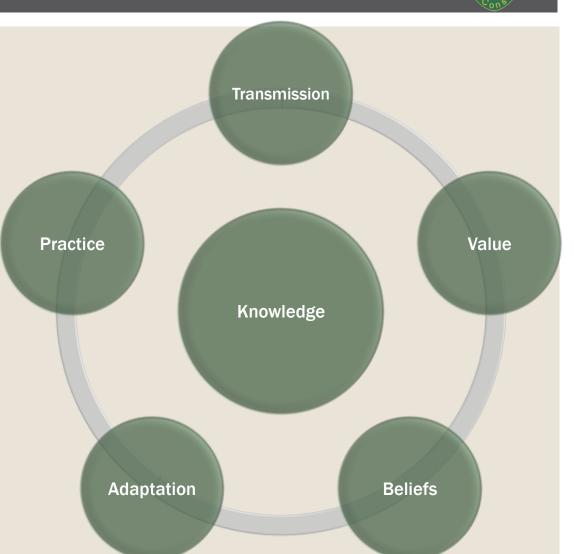


INDIGENOUS KNOWLEDGE SYSTEMS



- M'sit no'komaq
 - all my relations
- Netukulimk
 - "avoid not having enough"
 - "take what you need"







SIGNIFICANCE OF EEL





Uses

- Food
- Ceremony
 - Feats, offering, pow-wows, transitioning to spirit world
- Medicinal
 - Sprains, ear aches, 'good fat', nutritional
- Art
 - Ties, wraps for bow



SIGNIFICANCE OF EEL





Opportunities

- Enables us to carry out cultural obligations
- Transmission of Knowledge
- Generosity
- Kinship
- Language
- Relationship with the eel
- CULTURAL IDENTITY



FN EEL FISHERIES



Nova Scotia

- Food, social and ceremonial
- Commercial eel
 licenses not utilized
- Elver license

New Brunswick

- Food, social and ceremonial
- Floating commercial eel license – sometimes utilized
- No elver license



SCIENCE AND IKS



- Our knowledge is 'qualitative'
 - Observation
 - interaction
 - Intergenerational

We know:

- Where to find eels and not where to find eels
- When to catch eels and when we won't get any
- Where they feed and on what
- How eel movements coincide with natural cues
- How to co-existence with eels
- More time to get food on our table
- Commercial fishing impacts food fishing







Is it RELEVANT and PRACTICAL?



"MANAGEMENT"



Overview

- Manage ourselves
- Integration of beliefknowledge-action
- Recap
 - Shared resource
 - Netukulimk
 - Respect
 - Relationship
 - Reciprocity
 - Responsibility





"MANAGEMENT"



Specifics

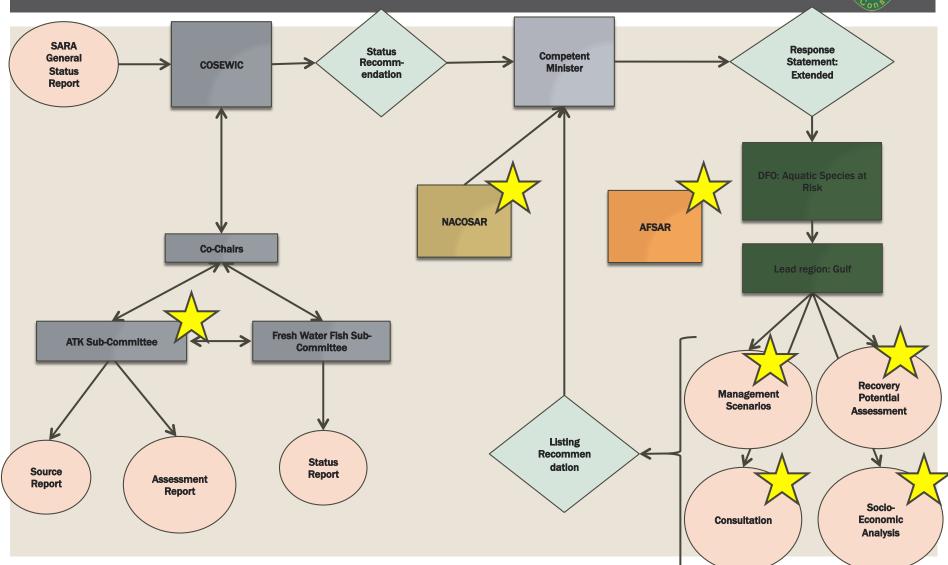
- Rotate fishing areas
- Keep what you catch when spearing
- Limit catch
- Reduce waste





SPECIES AT RISK







TENSIONS



- In NS, min legal length is 35 cm; Mi'kmaq fish for 45 cm and above (unless winter spearing)
 - Access to eels via traditional methods AFTER commercial and recreational harvest
- Who decides that eel science is more important than cultural sustainability?
 - How can scientists/student have access to eels when other FN do not because of conservation limits?



MOVING FORWARD



- Value IKS with wider application to management
- Work collaboratively with FN; scientist, management and policy to develop relevant and applicable knowledge for improved management
- Develop policy for collaboration
- Framework for inclusion of Indigenous people
- Funding opportunities for interdisciplinary studies
- Natural and social sciences as a tool for evaluating management



Thank you! Wela'lioq! Woliwon!

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