

Western Washington University
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Salish Sea Ecosystem Conference

2018 Salish Sea Ecosystem Conference (Seattle, Wash.)

Apr 6th, 11:15 AM - 11:30 AM

Designing data collection for decision-making: shaping the coastal First Nations regional monitoring system to meet the needs of the Nations

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Olson, Erica; Connors, Brendan; Hoshizaki, Lara; Kotaska, Jana; Pickard, Darcy; Nelitz, Marc; Groesbeck, Amy; Benner, Jordan; Kellock, Katherine; and Pitts, Anton, "Designing data collection for decision-making: shaping the coastal First Nations regional monitoring system to meet the needs of the Nations" (2018). *Salish Sea Ecosystem Conference*. 532.

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Speaker

Erica Olson, Brendan Connors, Lara Hoshizaki, Jana Kotaska, Darcy Pickard, Marc Nelitz, Amy Groesbeck, Jordan Benner, Katherine Kellock, and Anton Pitts

Designing Data Collection for Decision-Making: Shaping the Coastal First Nations Regional Monitoring System to meet the needs of the Nations

Erica Olson April 6, 2018







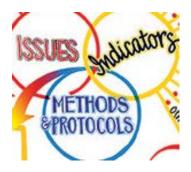




















2013 – RMS evaluation

Recommendation: redevelop the RMS to ensure it meets the needs of the Nations at multiple scales

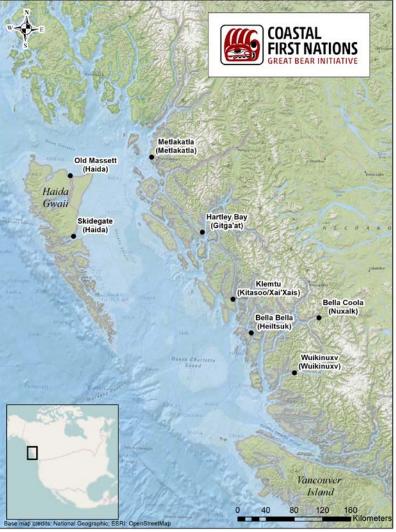
2015 – Began RMS redevelopment

RMS Redevelopment Process Inventory of coastal Advisory Perspectives on RMS Community monitoring activities committee interviews moving forward and uses of data workshop Identification of **Development of** potential RMS scoping framework monitoring activities Refinement of monitoring activities Monitoring RMS components, protocols and expert recommendations interviews **Redeveloped RMS**



Inventory of coastal monitoring activities and uses of data

- Document review
- Interviews
- Documented information on monitoring activities currently done and desired





Inventory of coastal monitoring activities and uses of data

For each monitoring activity

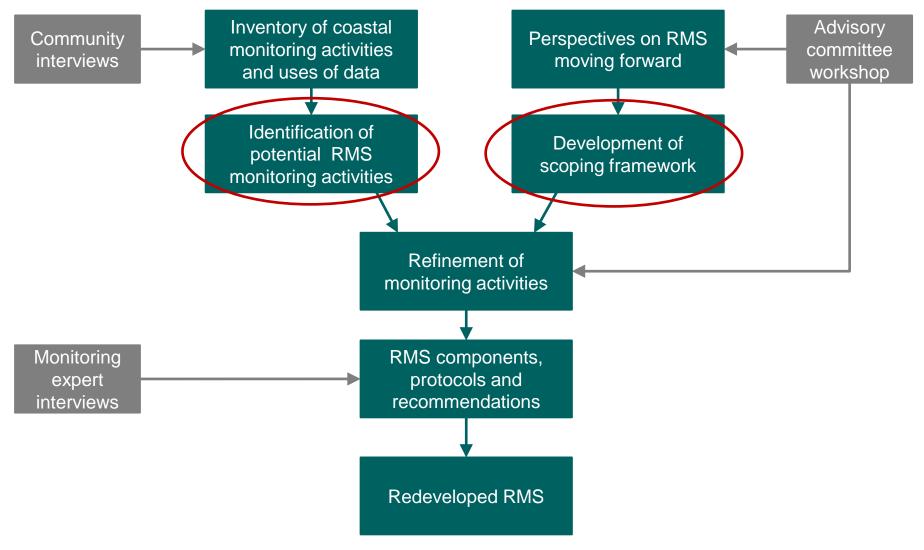
- Data type
- Why are data useful?
- Who wants data collected?
- Who collects data and how do they do it?
- Data collection protocols used
- Who uses data and how?
- Barriers to data collection
- Priority rank compared to other monitoring activities
- Ability to share data with other Nations



Inventory of coastal monitoring activities and uses of data

			Monitoring activity	Description of activity	
4	Marine & Freshwater	Ecological Status			
		Human Use			
	AII	Ecological Status			
		Human Use		 Valued components Decision-making pro 	
	Land	Ecological Status			
		Human Use			

RMS Redevelopment Process



Scoping Framework

Purpose:

To organize current and desired monitoring activities based on whether the RMS is the appropriate tool for supporting them.

Scoping Framework

9 Criteria:

Feasibility and suitability

- Barriers
- Suitability
- Internal Capacity
- Collaboration

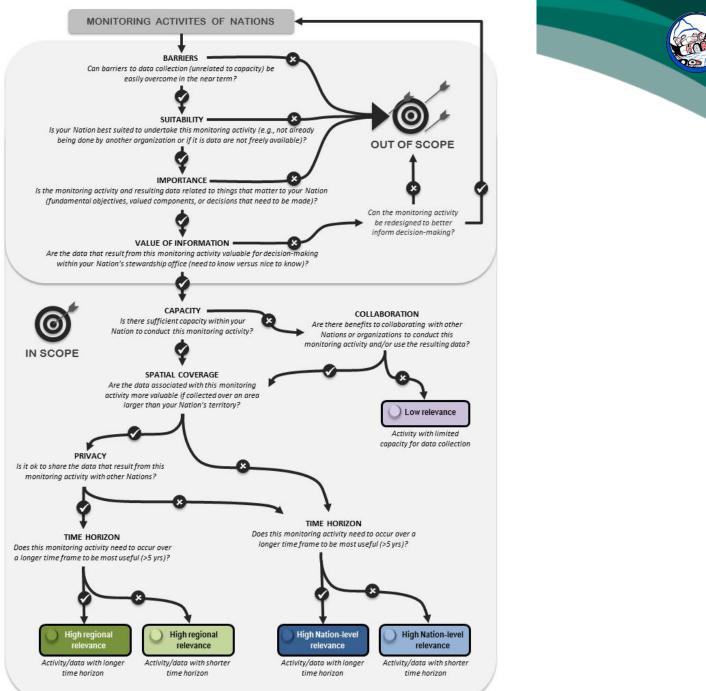
Scientific basis of information

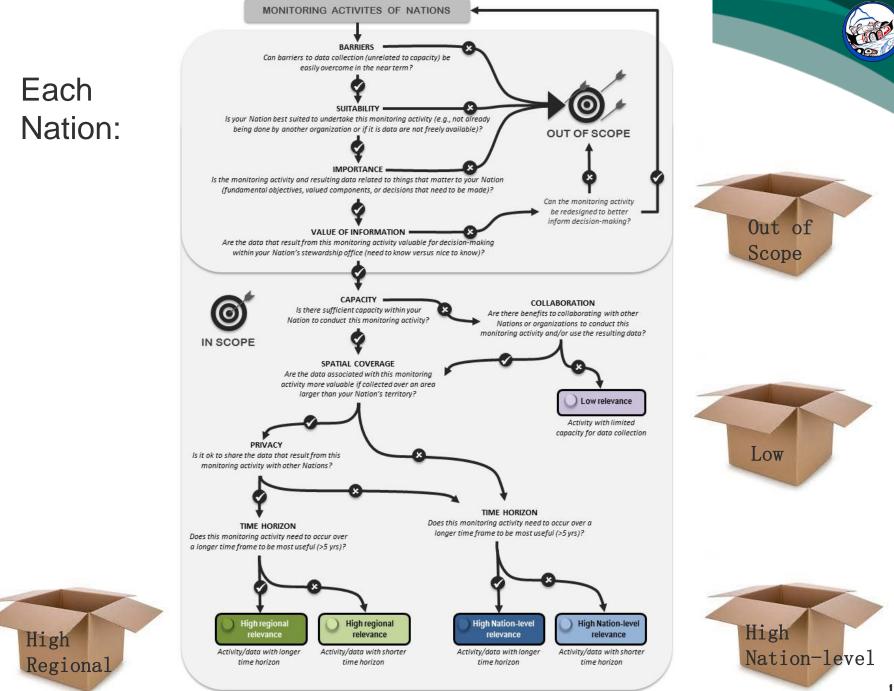
• Value of information

Relevance

- Importance
- Time horizon
- Spatial coverage









Scoping Framework - Results

Across Nations:

In scope – high regional relevance

- All Nations
- Most Nations
- Some Nations

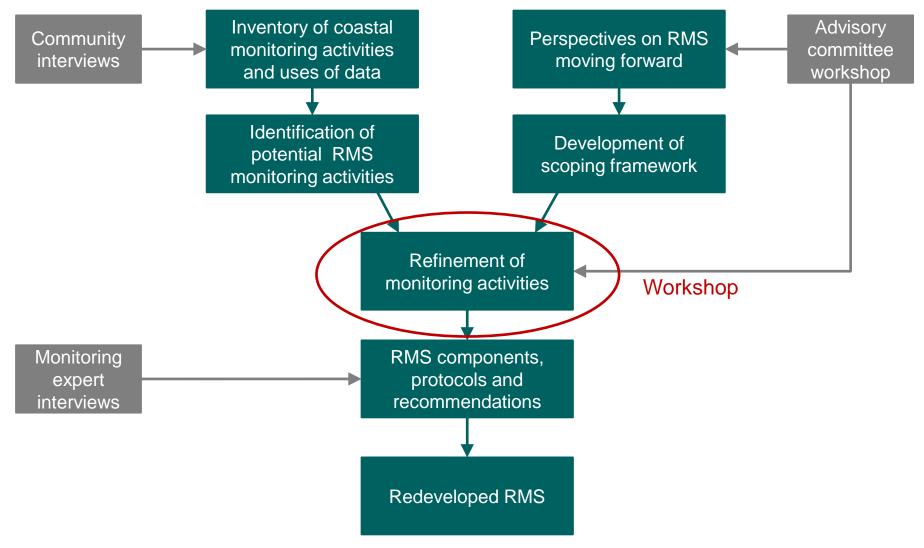
In scope – high Nation-level relevance

- All Nations
- Most Nations
- Some Nations

In scope – low relevance

- Most Nations
- Some Nations

RMS Redevelopment Process



Workshop

Purpose:

- Advisory committee review of scoping framework and monitoring activities identified
- Understand commonalities across Nations around monitoring activities of high relevance to the RMS
- Identify list of RMS monitoring activities around which to conduct additional research and develop monitoring recommendations

Workshop

Sessions:

- Visions for the RMS into the future
- Common motivations for, and interests in, monitoring across Nations

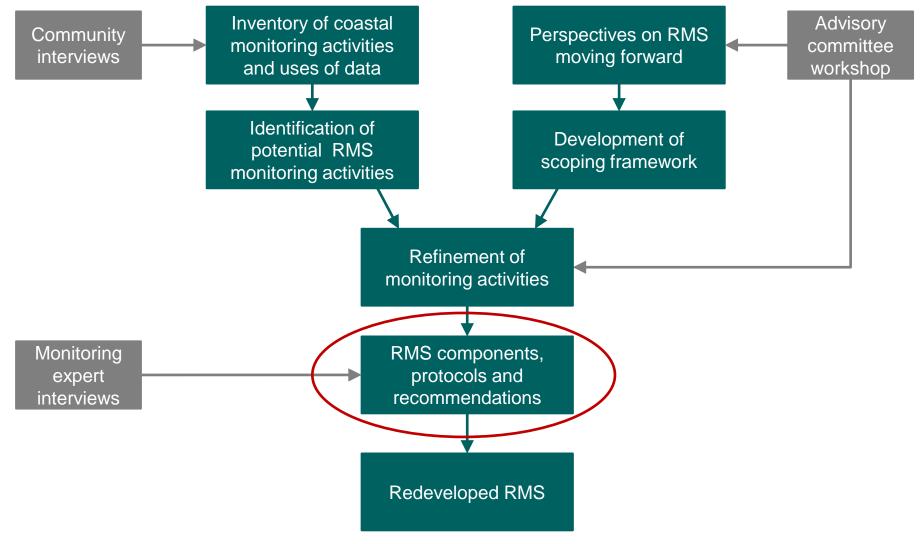
Workshop

Sessions:

- Visions for the RMS into the future
- Common motivations for, and interests in, monitoring across Nations
- Sub-groups to identify top ten monitoring activities
 - Both groups: Dungeness crab, Invasive species, Wildlife sightings, etc.
 - One group: Climate indicators, Herring, etc.



Redevelopment Process



Monitoring Cards

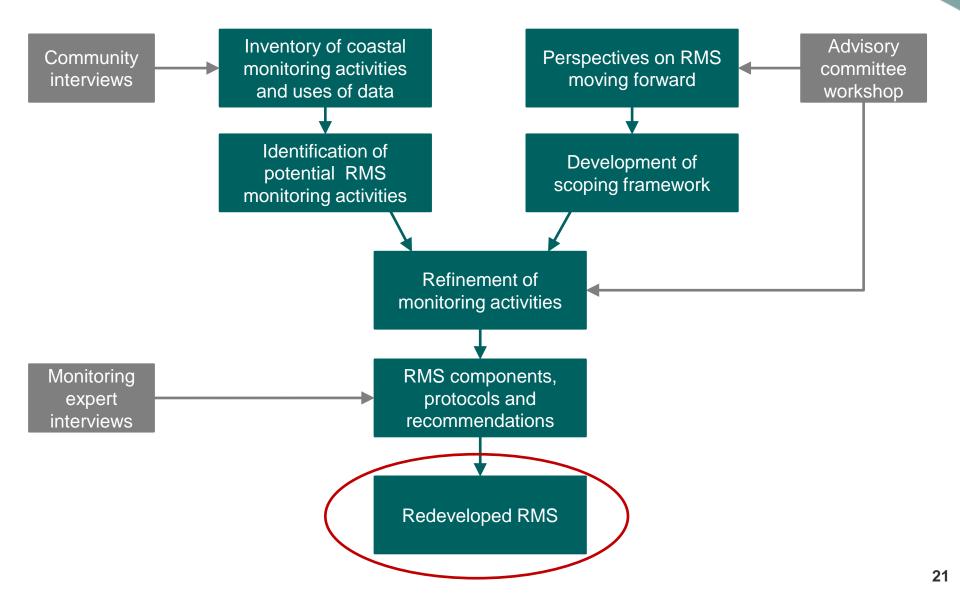
Each card:

- Description of monitoring activity, why important to Nations, and question(s) card is aimed at answering
- Indicators and metrics
- Decision-making and planning processes
- Methodology considerations
- Data analysis and reporting considerations
- Implications for stewardship office departments
 or programs
- Linkages to established programs and potential collaborators
- DMS considerations
- References





Redevelopment Process



Acknowledgements

- RMS Advisory Committee, including members of:
 - Haida Nation Stewardship Department
 - Metlakatla Stewardship Society
 - Kitasoo/Xai'xais Integrated Resource Authority
 - Heiltsuk Integrated Resource Management Department
 - Wuikinuxv Stewardship Office
 - Nuxalk Stewardship Office
 - Nanwakolas Tribal Council
- All who participated in interviews
- Coastal Stewardship Network staff



Thank you!

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