

# Objectives

- Background on Area-Based Aquaculture Management (ABAM)
- Pilot Area andExpressions of Interest(EOI) Applications

 Timeline and goals of ABAM over the next two years

- EOI evaluation and Pilot Area Selection
- Capacity Funding

Indigenous

**Participation** 

Timeline of other aquaculture initiatives

Discussion



# Aquaculture Management Division (AMD)

### **Aquaculture Management Division**

Director Brenda McCorquodale

Aquaculture Resource **Management** 

**Aquaculture Policy** 

Reagan Newcomb

Anoma Patirana

**Aquaculture Environmental Operations** 

**Aquaculture Transition** Plan & **Engagement** 

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Aquaculture Fish Health & Area-Based Aquaculture Management Kerra Shaw

#### **Area-Based Management Aquaculture Team**

#### **Senior Coordinator**

**Amber Neuman** Regional Committee & IMAP

#### Coordinator

Raheman (Ray) Nurmohamed

#### Coordinator

**Grace Runciman** Pilot Area Development

#### Coordinator

TBD – staffed in January

# Why Area-Based Aquaculture Management?

October 2018 – DFO Minister Wilkinson announced Canada will adopt an area-based approach to aquaculture

**December 2018 –** DFO Minister Wilkinson announced Canada will work with provinces/territories, industry, Indigenous partners, environmental groups, and others to ensure a sustainable path forward for aquaculture

**June 2019 –** The Indigenous and Multi-stakeholder Advisory Body and 3 technical working groups established: one is focused on Area-Based Management

**June 2020** – The Area-Based Management Technical Working Group (ABAM TWG) tabled draft framework for the adoption of ABAM in BC

**Budget 2021** – \$3M announced over 2021-2023



# What is Area-Based Aquaculture Management (ABAM)?

Recommendations from a multi-stakeholder and Indigenous working group:

- Enhance Federal / Provincial / Indigenous coordination and collaboration
- Ensure planning and management of areas is responsive to objectives
- Consider connectivity and cumulative impacts to better understand risks
- Support environmental protection and industry growth
- Establish objectives and measure performance to better reflect interests of Indigenous groups, industry, and stakeholders
- Increase incorporation of Indigenous Knowledge and improve communication with Indigenous communities regarding planning, management, and performance of aquaculture facilities

ABAM will occur in distinct geographical areas so the unique jurisdictional, ecological, social, cultural, and economic values that exist can be considered. Cana

# **Anticipated Outcomes of ABAM**

**ECOSYSTEM-BASED** 

PLANNING AND MANAGEMENT

NATION-TO-NATION COLLABORATIVE PLANNING AND MANAGEMENT

IMPROVED ECONOMIC BENEFITS FOR COASTAL

AND RURAL COMMUNITIES FROM AQUACULTURE

TRANSPARENT DECISION-MAKING

INCREASED SOCIAL LICENCE

FOOD SECURITY & SUSTAINABILITY

INCLUSIVE KNOWLEDGE

SHARED

Canadä

CONSIDERATION OF OTHER USES OF WATER AND LAND

# Existing Area-Based Aquaculture Management

- Coordination within and between companies
  - Stocking, harvesting, fallowing, depopulation, treatments, and equipment sharing
- Existing Fish Health Zones to minimize fish transfer risks
- During licensing, AMD considers nearby farm data
- Existing site-specific conditions of licence that reference areamanagement
- Industry has existing First Nations agreements which can include area values, goals, thresholds, and monitoring

# **Spatial Levels**

We plan to advance elements at each of these geospatial levels.





# ABAM Goals: 2021-2023

Spatial Level	Goals		
Provincial level	Create a BC-wide Regional Coordination Committee (DFO, BC, Indigenous)		
Provincianevei	Update Integrated Management of Aquaculture Plan (IMAP) to include principles of ABAM		
Arealevel	<ul> <li>Identify a <u>Pilot Aquaculture Management Area</u> (AMA) and build a collaborative governance structure - <u>Area Committee</u> (DFO, BC, and First Nations)</li> </ul>		
Arealevel	<ul> <li>Co-create an <u>Area Management Plan</u> considering local social, cultural, environmental, and economic values</li> </ul>		
Zone level	<ul> <li>Create relevant <u>Aquaculture Management Zones</u> (AMZs) for marine finfish sites utilizing new farm hydrological connectivity science (CSAS) and existing health and sea lice data</li> </ul>		
	Licence Conditions:		
Site level	Assign marine finfish farms to AMZs (when appropriate)		
	Site Health Management Plans (HMPs) and Sea Lice Management Plans (SLMPs) will be required to consider nearby farms that are also included in their AMZ		

# ABAM Project Timeline 2021-2023



PHASE 01 Introduce & Plan Fall 2020 – Fall 2021

 Broad engagement -Provide an overview of area-based aquaculture management in BC



# PHASE 02 Collect Input Fall 2021 (ongoing)

- Seek expressions of interest for a pilot area
- Seek partnerships internally and externally
- Define Area Management Zones for marine finfish



# PHASE 03 Development Jan 2022 – Jun 2022

- Identify Pilot Area
- Develop:
- Regional Committee
- Pilot Area Committee
- Initiate Area Management Plan
- Draft Integrated
   Management of
   Aquaculture Plan (IMAP)



# PHASE 04 Review & Collaborate

Jul 2022 – Dec 2022

- Share draft IMAP
- Collaborate with partners on Committees
- Continue to work on Area goals and tools



# PHASE 05 Finalize & Implement Jan 2023 – Mar 2023

- Approve final IMAP
- Finalize, if possible, Pilot AMA Management Plan
- Program review
- Seek budget renewal beyond 2023



## ABAM Partners & Stakeholders

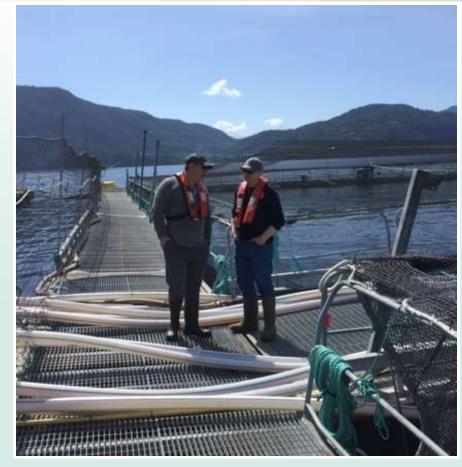
First Nations	ВС	Industry	Stakeholders
Collaborative Governance Partners: A key to ABAM's success is First Nation participation in collaborative governance.	Collaborative Governance Partners: The ABAM approach is meant to create more consistency and alignment between governments.	Elevated Stakeholders/ Partners: The ABAM approach will recognize the role of industry as a stakeholders who can be creative, innovative, and invest in the future of aquaculture.	Advisors:  ABAM will integrate an engagement process to seek feedback from other stakeholders.

Engagement is occurring with all of these groups to clarify involvement in ABAM.

## Input on Area-Based Aquaculture Management

Continued engagement and consultation on the development of ABAM can occur, including:

- Ongoing engagement planning
- Considerations for pilot area selection
- Regional and area management objectives
- Research priorities
- Monitoring, data collection, and evaluation
- Representation on Regional and Area Committees





Indigenous Involvement in ABAM

- Submit Pilot Area Expressions of Interest
- Participation on Regional Committee
- For selected Pilot Area:
  - Participate on Area Committee as a collaborative governance partner
  - Co-develop Area-Management Plan
- Develop/Expand Monitoring Programs





## Pilot Area Considerations

- Expression of Interest (EOI) form released August 2021
  - SUBMISSIONS DUE DECEMBER 31, 2021
- Pilot Area Considerations:
  - Defined geospatial area
  - Existing aquaculture activities with planned continuation
  - Operation of the property o
  - Existing Partnerships or Opportunities for Partnerships:
    - At least one First Nations partner who wants to support this initiative
    - Willingness of multiple First Nations that overlap defined geospatial area
    - An interested and innovative industry partner
    - An interested regional or municipal government (bonus)
    - An existing stakeholder table or potential to build one (bonus)





# Pilot Area Evaluation – General Requirements

Evaluation Criteria	Weight	Evaluation Description
Defined geospatial area	Medium	<ul> <li>Adequate description of area</li> <li>Area has at least one unique Area Management Zone which could have specific management measures</li> <li>Adequate supporting maps included</li> </ul>
Existing aquaculture activities with planned continuation	Medium	<ul> <li>Proposed area has 5+ licensed, operational commercial aquaculture facilities</li> <li>Descriptive explanation of the facilities provided (species grown, company name)</li> </ul>
Potential for aquaculture growth AND/OR innovative ideas or technologies to advance sector potential	Medium	<ul> <li>Potential plan for aquaculture growth in proposed pilot area provided</li> <li>Clear description of potential expansions, new innovations, or new technology</li> </ul>



# Pilot Area Evaluation - Partnership Requirements

Evaluation Criteria	Weight	Evaluation Description
First Nations or Indigenous Governments in Area	Medium	<ul> <li>Proposed area has at least one interested Nation partner</li> <li>Proposed area has more than one interested Nation partners</li> </ul>
First Nations Partners who want to support and participate in this initiative.	High	<ul> <li>FN is primary applicant or partner on application</li> <li>All Nations that overlap defined geographical area are willing to participate in ABAM</li> <li>First Nations in area have protocols in place to support Nation-Nation collaboration</li> <li>Letter of support provided explaining FN interest in participating and/or application for contribution funding</li> </ul>
Interested and Innovative Industry Partner	Medium	<ul> <li>Has an interested industry partner</li> <li>Letter of support included, showing high level of interest</li> </ul>

## Pilot Area Evaluation - Bonus

Evaluation Criteria	Weight	Evaluation Description
Other collaborative partners and project team members (e.g. local governments, stakeholders)	Low-Medium	<ul> <li>Support from collaborative partners, demonstrated through letters of support</li> <li>Support received from regional and municipal governments of proposed pilot area</li> </ul>
Existing collaborative stakeholder table or potential to build on one	Low-Medium	<ul> <li>Confirmed existence of a collaborative stakeholder table or potential to implement a collaborative stakeholder table</li> </ul>
Innovative ideas or technologies	Low	Descriptive explanation of innovative ideas included and ideas are realistic
Readiness to begin ABAM in 2022	Low	<ul> <li>Proposed pilot area is ready to begin the development and implementation of ABAM in the area beginning January 2022 and will be heavily involved until at least March 2023</li> </ul>

## Pilot Area Selection Process



## Application

December 31, 2021

To be considered for initial pilot area

Submissions after this deadline may be considered for future development



### **Notification**

Early January 2022

Acknowledgement email within 5 business days of the deadline - additional information may be requested OR confirm application accepted



### **Evaluation**

January 2022

Utilize evaluation matrix

Summarize applications, generate a recommendation for the pilot area



### Selection

March 31, 2022

DFO decision-maker to choose pilot area



## Implementation

March 2022 - 2023

Email notify all applicants of decision

Successful EOI applicants engaged on Pilot Area Development

Applications may be submitted by First Nations, aquaculture licence holders, other Indigenous and/or stakeholder groups, other levels of government



# Indigenous Contribution Funding Available

- To participate on Regional Committee
  - Tripartite coordination and communication role
- To participate on Area Committee
  - Tripartite collaborative governance for the Pilot Area
- To participate in engagement sessions and/or collaborative forums
- To assist in the completion of a Pilot Area Expression of Interest form for submission

- To develop recommendations on policy or implementation of ABAM
- To conduct research or compile Traditional Ecosystem Knowledge
- To establish Indigenous monitoring programs
- To deliver workshops, training, or materials for Indigenous peoples
- To hire staff or subject matter experts
- To purchase equipment or Canada software

# **DFO Staff Support**

- ABAM team can help support the development of pilot area EOI applications and contribution funding applications
- Contact a DFO ABAM Coordinator for application forms and support:

<u>AreaBasedAquacultureManagement@dfo-mpo.gc.ca</u> (250) 754-0406

- We can also support through:
  - Aggregate meetings and workshops
  - Bilateral meetings
  - Connecting potential partners and subject matter experts



# Aquaculture Initiatives with Overlapping Engagement

Initiatives with					
overlapping engagement	2021-2022	2022	-2023	2023	-2024
Net Pen Transition	Overview Plan Process & Engagement	Collect Input		Draft Plan	
Aquaculture Act	Indigenous Engagement	Drafting & Parlimentary Process			
Area-Based Management (ABAM)	Broad Engagement on ABAM	Identify Pilot Area & Build BC- wide Regional Committee and Area Committee		Implement area-management tools and assess pilot	
Marine Finfish Licence Reissuance	Draft & consult on condition	s of licence	Issue Licences	Conditions of L	icence in place
Aquaculture Activities Regulations	Engagement		Publication in CGI	Engagement Cont.	Publication in CGII

## Discussion – some ideas

- Shellfish industry interests in Area-Based Aquaculture Management
  - Pilot Area
  - Regionally

- Input on priorities for pilot area selection
  - Evaluation process

