

## FOR INTERNAL USE

File Number:

Project Number:

Disposition Number:

Client Number:

# PACIFIC SHELLFISH AQUACULTURE AMENDMENT APPLICATION

MINISTRY OF FORESTS, LANDS AND NATURAL RESOURCE OPERATIONS

FISHERIES AND OCEANS CANADA

TRANSPORT CANADA

Prior to completing this application refer to approved **Federal Aquaculture Licence and Provincial Site Management plans** for details on currently approved activities at the site. If you require a copy, please contact FLNRO at [WestCoast.LandReferrals@gov.bc.ca](mailto:WestCoast.LandReferrals@gov.bc.ca)

## PART I – GENERAL INFORMATION

 Any time you see this symbol, hold mouse pointer over top and additional information will appear.

For each question, select only one check box or circle unless otherwise directed.

### PART I - SECTION A1: AMENDMENT SUMMARY


Provide a general overview of the proposed amendment:



Additional Pages or Supporting Material Attached:

 Yes No

**PART I - SECTION A2: AMENDMENT TYPE (CHECK ALL THAT APPLY)**

<input type="checkbox"/> <b>Tenure Area Change</b>	
<input type="checkbox"/> Expansion	Complete the following: PART I: PART II PART III : Section B PART IV PART V
<input type="checkbox"/> Reduction	Complete: PART I: PART IV PART V
<input type="checkbox"/> <b>Infrastructure</b>	
<input type="checkbox"/> Addition or Expansion of Infrastructure  <input type="checkbox"/> Change meets conditions of "Incidental Aquaculture Use" (IAU) 	Complete the following: PART I: Sections A, B, C, D (maps 2a, 2b, 3 & 4), E & F PART II : unless Incidental Aquaculture Use PART III : Section B PART IV PART V
<input type="checkbox"/> Removal or Reduction of Infrastructure	Complete the following: PART I: Sections A, B, C, D (maps 2a, 2b, 3 & 4) & F PART V
<input type="checkbox"/> <b>Culture Type and/or Culture Area</b>	
<input type="checkbox"/> Addition of new Culture Type or Change to Culture Area	Complete the following: PART I: Sections A, B, C, D (maps 2a, 2b, 3 & 4), E & F PART III : Section B PART V
<input type="checkbox"/> Removal of Culture Type	Complete the following: PART I: Sections A, B, C, D (maps 2a, 2b) & F PART V
<input type="checkbox"/> <b>Species and/or Production</b>	
<input type="checkbox"/> Addition of Species <u>OR</u> Increase in Production greater than approved in shellfish fish management plan	Complete the following: PART I: Sections A, B, C, E PART III: Section A PART V
<input type="checkbox"/> Removal of Species	PART I: Sections A, B, C, List Species To Be Removed: PART V
<input type="checkbox"/> <b>Substrate Modification</b>	
	Complete the following: PART I: Sections A, B, C, D (maps 2a, 2b & 3), E, F (Table 3) PART III: Section B PART V

**PART I - SECTION B: APPLICANT INFORMATION**


1. Licence Information	
Licensee Name(s):	
Mailing Address:	Telephone:
	Cell:
	Fax:
	Email:
BC Inc. #, BC Registration # or BC Society #:	<input type="checkbox"/> Not Applicable
Physical Business Address:	<input type="checkbox"/> Same as Mailing Address

2. Primary Contact Information:		<input type="checkbox"/> Same as Licensee
Name:	Telephone:	
Title:	Cell:	
Email:	Fax:	

3. Agent/Representative Information:		<input type="checkbox"/> Not Applicable
Name:	Telephone:	
Email:	Cell:	
<input type="checkbox"/> Letter of Authorization Enclosed <input type="radio"/> Yes <input type="radio"/> No	Fax:	

**PART I - SECTION C: SITE GENERAL INFORMATION**

1. DFO Facility Reference Number:
2. Land File Number:
3. Navigation Protection Program Number:
4. Site Common Name:

**PART I - SECTION D: LICENSED AREA CHANGE**


<b>1. Land Ownership and/or Tenure Type:</b> <input type="checkbox"/> Provincial Crown Land Tenure (if Crown land: <input type="radio"/> Lease <input type="radio"/> Licence of Occupation <input type="radio"/> Investigative Use Licence) <input type="checkbox"/> Private Land <input type="checkbox"/> Federal Land <input type="checkbox"/> Harbour Authority <input type="checkbox"/> First Nation Reserve <input type="checkbox"/> Other (describe):			
<b>2. GPS coordinates for the center of the application area / tenure (Report in Degree Decimal Minutes):</b>		Latitude (DD DD.ddddd):	
		Longitude (DD DD.ddddd):	
<b>3. Estimated Application Area</b>	<b>CURRENTLY LICENSED</b> (hectares)	<b>PROPOSED CHANGE</b> +/- (hectares)	<b>PROPOSED CUMULATIVE TOTAL</b> (hectares)
<b>Total Area of Site</b>			

**PART I - SECTION E: MAPS, DIAGRAMS AND ADDITIONAL REQUIRED DOCUMENTS**

Check each box to confirm attached	Attach the following maps, diagrams and documents. All documents must be titled, and maps must have a scale. Please refer to the Mapping Descriptions and Sample Mapping in the Guide to Pacific Shellfish Aquaculture Application.
<input type="checkbox"/>	<b>1. General Location Map:</b> A <b>map</b> at a scale of 1:50,000 to 1:100,000 indicating the general location of the area under application, noting the location of significant geographic features, such as a lake, mountain, road, community, etc.
<input type="checkbox"/>	<b>2. Application Area Map (submit one of the following):</b> a) <b>Shape file:</b> attach a shapefile or .kmz geo-referenced to BC Albers Project (NAD 83), and including a reference map with a Point of Commencement <b>OR</b> b) <b>Metes &amp; Bounds:</b> A map showing a UTM/latitude and longitude of a point of commencement (POC) and a corresponding text description on a separate piece of paper that describes the metes and bounds of the proposed shape.
<input type="checkbox"/>	<b>3. Top View Operational Diagram:</b> A <b>CHS Marine</b> chart at the largest scale available for the project location that clearly shows the location of all planned infrastructure in relation to the bathymetry at the site (include more than 1 diagram if necessary).
<input type="checkbox"/>	<b>4. Side View Operational Diagram, based on the culture type:</b> A scaled schematic diagram(s) showing a side view of the proposed operation, which includes all infrastructure.

### PART I - SECTION F: FIRST NATIONS CONSIDERATION

Canada and the Province of British Columbia are legally obligated to consult and, where appropriate, accommodate First Nations on decisions that could impact treaty rights or aboriginal rights and title (“Aboriginal Interests”). Federal and Provincial decision-makers are responsible for ensuring adequate and appropriate consultation and accommodations.

For more information please review the information available on the Ministry of Forests, Lands and Natural Resource Operations website: ‘Consulting with First Nations’; specifically proponents are advised to review: “Guide to Involving Proponents When Consulting First Nations” (<http://www2.gov.bc.ca/gov/content/environment/natural-resource-stewardship/consulting-with-first-nations>).

Proponents are encouraged to engage with First Nations as early as possible in the planning stages to build relationships and for information sharing purposes. You may use the Province’s Consultative Areas Database to identify which First Nations to engage: <http://geobc.gov.bc.ca>.

Is a summary of information sharing attached?  Yes  No

### PART I - SECTION G: CULTURE AND INFRASTRUCTURE INFORMATION

#### 1. Culture Type /Area Change:

CULTURE TYPE	EXISTING AREA (hectares)	PROPOSED CHANGE (+/-) (hectares)	PROPOSED CUMULATIVE TOTAL (hectares)
<input type="checkbox"/> Intertidal Beach Culture			
<input type="checkbox"/> Deepwater Suspended Culture			
<input type="checkbox"/> Subtidal On/In Bottom Culture			
For Subtidal also complete:	a) What is the maximum subtidal culture depth within the proposed application area (m)?		
	b) How much of the application area has depths greater than 30 m (hectares)?		

Shellfish aquaculture conditions of licence prohibit the introduction of refuse into the marine environment. Do you have a plan in place to manage your infrastructure, gear and equipment to minimize the generation of debris and ensure any debris generated does not enter the marine environment?  Yes  No

**PART I - SECTION H: CULTURE AND INFRASTRUCTURE INFORMATION CONTINUED:**

1. **Infrastructure:** Complete the table below for all licensed and requested infrastructure. Refer to the approved Shellfish Site Management for details on currently approved structures at the site. Where applicable, note the quantity and dimensions of each structure.

STRUCTURE	CULTURE TYPE	CURRENTLY LICENSED AREA (m <sup>2</sup> )	PROPOSED CHANGE	DIMENSIONS OF EACH NEW STRUCTURE	PROPOSED TOTAL AREA OF STRUCTURE(S) (m <sup>2</sup> )
<i>e.g. Culture Rafts</i>	<input checked="" type="checkbox"/> Deepwater	1000	+ 10 rafts	5 m x 5 m	1250
Living Accommodation	Deepwater				
Work Float with Toilet	Deepwater				
Work Float(s)	Deepwater				
Culture Rafts	Deepwater				
Longlines	<input type="checkbox"/> Intertidal				
	<input type="checkbox"/> Deepwater				
	<input type="checkbox"/> Subtidal				
Predator Netting	<input type="checkbox"/> Intertidal				
	<input type="checkbox"/> Deepwater				
	<input type="checkbox"/> Subtidal				
Predator Protection Tubes	<input type="checkbox"/> Intertidal				
	<input type="checkbox"/> Subtidal				
Rack and Bag	<input type="checkbox"/> Intertidal				
	<input type="checkbox"/> Subtidal				
Vexar Fencing	<input type="checkbox"/> Intertidal				
	<input type="checkbox"/> Subtidal				
Floating Upweller System (FLUPSY)	Deepwater				
Other (Explain):	<input type="checkbox"/> Intertidal				
	<input type="checkbox"/> Deepwater				
	<input type="checkbox"/> Subtidal				

**PART I - SECTION H: CULTURE AND INFRASTRUCTURE INFORMATION CONTINUED:**
**2. Proposed Changes to Ancillary and Navigational Structures:**

STRUCTURE	DESCRIPTION OF CHANGE
<i>Site Markings</i>	<i>Replacing 6 red concrete blocks with staked signage</i>
Remote Setting Equipment	
Site Marking	
Navigational Markers	
Anchor blocks	
Other Structures	

**3. Proposed Substrate Modification: **

Describe:

## PART II – INFORMATION FOR THE BC MINISTRY OF FORESTS, LANDS AND NATURAL RESOURCE OPERATIONS (FLNRO)

The following information, along with Part I and Part V is required for the review of the Provincial Crown Land Tenure application to an existing tenure pursuant to the BC *Land Act*.

### PART II - SECTION A: SITING CONSIDERATIONS


Applicants must respond to each consideration and may be required to provide additional information in some situations

<b>1. Does your proposal infringe on the riparian rights of an upland owner?</b>	<input type="radio"/> Yes <input type="radio"/> No
<i>Letter of upland owner consent enclosed:</i>	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
<b>4. Is the intended use consistent with approved local government bylaws for land use planning and zoning?</b>	<input type="radio"/> Yes <input type="radio"/> No
Provide the name of the local government(s) for the area under application:	
Describe any applicable bylaws or zoning for the proposed area:	
If <b>No</b> , have you contacted the local government?	<input type="radio"/> Yes <input type="radio"/> No
<i>Summary of interactions with local government attached:</i>	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A

### PART II - SECTION B: ADDITIONAL CROWN LANDS INFORMATION

<b>1. Are all applicants Canadian Citizens or Permanent Residents; or if a corporation, registered partnership, cooperative or non-profit society, is it registered in BC?</b>	<input type="radio"/> Yes <input type="radio"/> No
<b>2. Is/Are applicant(s) 19 years of age or older?</b>	<input type="radio"/> Yes <input type="radio"/> No
<b>5. For applications made by more than one individual:</b>	<input type="radio"/> N/A <input type="radio"/> Joint Tenants <b>OR</b> <input type="radio"/> Tenants in Common

### PART II - SECTION C: WATER USE

<b>1. Will fresh water be diverted or used at the site for the operation of the facility, living accommodations or other purposes?</b>	<input type="radio"/> Yes (Complete Question 2 & 3)
	<input type="radio"/> No planned water usage (continue to Part III)
<b>2. Fresh water source:</b> (check all that apply)	<input type="checkbox"/> Ground Water  <input type="checkbox"/> Surface Water
	Water Source Name:
<b>3. Do you have any existing water licences and/or have you submitted any water licence applications?</b>	Application Tracking Number: <input type="radio"/> Yes Licence #:
	<input type="radio"/> No





# PART III – INFORMATION FOR FISHERIES AND OCEANS CANADA (DFO)

The following information along with Part I and Part V is required for the review of the federal Aquaculture Licence application pursuant to the federal *Fisheries Act, Pacific Aquaculture Regulations*.

## PART III - SECTION A: PROPOSED SPECIES

SPECIES NAME	CULTURE TYPE	FIRST YEAR OF PRODUCTION 	PRODUCTION ESTIMATE (t) 	SOURCE OF STOCK		
				Hatchery	Natural Set	Other (complete Table B)
Drop-Down List	<input type="checkbox"/> Intertidal <input type="checkbox"/> Deepwater <input type="checkbox"/> Subtidal			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Drop-Down List	<input type="checkbox"/> Intertidal <input type="checkbox"/> Deepwater <input type="checkbox"/> Subtidal			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Drop-Down List	<input type="checkbox"/> Intertidal <input type="checkbox"/> Deepwater <input type="checkbox"/> Subtidal			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Drop-Down List	<input type="checkbox"/> Intertidal <input type="checkbox"/> Deepwater <input type="checkbox"/> Subtidal			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Drop-Down List	<input type="checkbox"/> Intertidal <input type="checkbox"/> Deepwater <input type="checkbox"/> Subtidal			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Drop-Down List	<input type="checkbox"/> Intertidal <input type="checkbox"/> Deepwater <input type="checkbox"/> Subtidal			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### TABLE B: PROVIDE A SHORT DESCRIPTION OF "OTHER" SEED SOURCE STOCK BY SPECIES AS APPLICABLE:

## PART III - SECTION B: FISHERIES PROTECTION

Fisheries and Oceans Canada – Aquaculture Management Division (DFO - AMD) is responsible for the sustainable management of aquaculture in British Columbia. Like other types of industrial development taking place in and around water, aquaculture projects have the potential to affect fish and fish habitat.

**NOTE:** Aquaculture activities must not result in harm to a Species at Risk Act (SARA) listed species, their residence, or their critical habitat, as defined in the associated Recovery Strategy, or Action Plan.

**1. Intertidal Culture Operations**
 Not Applicable

**?** a) Are you proposing to use any temporary or permanent aquaculture structures or equipment (ie. install geoduck tubes or rack and bag structures, etc) in any of the following habitats?

<b>?</b>	i.	intertidal stream channels	○ Yes ○ No
<b>?</b>	ii.	eelgrass beds ( <i>Zostera</i> sp.)	○ Yes ○ No
<b>?</b>	iii.	fish spawning areas	○ Yes ○ No
<b>?</b>	iv.	SARA listed species, critical habitat, and/or residence	○ Yes ○ No

If Yes, describe the structures, habitat and method for installation. Please refer to the Shellfish Guide to ensure all information is provided.

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b) Will you use a Mechanical Clam Harvesting Machine or ‘stinger’ harvest gear in the intertidal? ○ Yes ○ No

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**?** c) How will you be accessing the proposed area?

**NOTE:** Please note aquaculture activities may not occur in salt marsh habitat. 



**2. Deep Water/Suspended Culture Operations**  Not Applicable

- a) Are you proposing to install any aquaculture structures or conduct aquaculture activities (including anchor system placement) in waters shallower than the 10m bathymetric contour?  Yes  No
- b) Are you proposing to install any aquaculture structures or conduct aquaculture activities (including anchor system placement) in waters deeper than 10m (measured from chart datum) and over any of the following habitats?
  - i. rocky reefs  Yes  No
  - ii. kelp beds  Yes  No
  - iii. eelgrass beds (*Zostera* sp.)  Yes  No
  - iv. fish spawning areas  Yes  No
  - v. glass sponge complexes (*Hexactinellidae*) and/or coral complexes  Yes  No
  - vi. SARA listed species, critical habitat, and/or residence  Yes  No

If Yes, describe the structures, habitat and method for installation. Please refer to the Shellfish Guide to ensure all information is provided.

c) What is the minimum depth (m) below structures at zero tide (as measured from the deepest hanging trays, lines, etc. to the sea floor):

**3. Subtidal On / In-Bottom Culture Operations**  Not Applicable

- a) Are you proposing to install any temporary or permanent in- or on-bottom aquaculture structures (e.g. bags on bottom, cages, nursery structures, geoduck tubes, predator netting, etc.) other than site boundary markers in any of the following important or sensitive habitats?
  - i) rocky reefs  Yes  No
  - ii) kelp beds  Yes  No
  - iii) eelgrass beds (*Zostera* sp.)  Yes  No
  - iv) fish spawning areas  Yes  No
  - v) glass sponge complexes (*Hexactinellidae*) and/or coral complexes  Yes  No
  - vi) SARA listed species, critical habitat, and/or residence  Yes  No

If Yes, describe the structures, habitat and method for installation. Please refer to the Shellfish Guide to ensure all information is provided.

# PART IV – INFORMATION FOR TRANSPORT CANADA (TC)

The following information, along with Part I and Part V is required for the review of the federal *Navigation Protection Act* (NPA) approval.

## PART IV - SECTION A: SITING CONSIDERATIONS

Applicants may be required to provide additional information in some situations.

## PART IV - SECTION B: ADDITIONAL TRANSPORT CANADA INFORMATION

<b>1. Waterway Name:</b>	
<b>Width (m):</b>	<b>Depth Range (m):</b>
<b>2. Nearest Community:</b>	
<b>3. Is this Work:</b>	<input type="checkbox"/> New <input type="checkbox"/> Existing <input type="checkbox"/> Modification of Existing Work
<b>4. To help with the review process, please include the following if available. Check each box to confirm is attached.</b>	
<input type="checkbox"/> Photographs at the site of the proposed/existing work and surrounding area	
<input type="checkbox"/> Environmental Assessment documents (if any)	

## PART V – INFORMATION FOR ALL AGENCIES

Incomplete applications will be returned to applicant.

### PROVINCIAL FEES:

Application fees for Crown land tenures are due upon submission. Fees for new applications and amendments to existing tenures are established in the Crown Land Fee regulation – see link

[http://www.bclaws.ca/civix/document/id/lc/statreg/177\\_2003](http://www.bclaws.ca/civix/document/id/lc/statreg/177_2003). Note that the fee structure does not include taxes that apply.

### Forms of payment:

- Cheques or Money orders must be in Canadian Funds to **Minister of Finance**.  
(FrontCounter BC will not accept personal cheques drawn on US banks, regardless of what currency.)
- Debit Card (in-person only).
- Visa, AMEX and MasterCard payments are accepted in-person or over the telephone. To locate a FrontCounter BC office, visit the website at <http://www.frontcounterbc.gov.bc.ca/contact/> or call the toll free number 1-877-855-3222

### FEDERAL FEES:

<http://www.pac.dfo-mpo.gc.ca/aquaculture/licence-permis/index-eng.html>. Federal fees will be invoiced prior to licensing and are only payable online using the National Online Licensing System.

### DISCLOSURE:

The information you provide may be subject to the following legislation: British Columbia *Freedom of Information and Protection of Privacy Act* (FOIPP Act); the federal *Access to Information Act*; and the federal *Privacy Act*. Personal information is collected by FrontCounter BC under the legal authority of section 26 (c) and 27 (1) of the *Freedom of Information and Protection of Privacy Act* (the Act). The collection, use, and disclosure of personal information is subject to the provisions of the Act. The personal information collected by FrontCounter BC will be used to process your inquiry or application(s). It may also be shared when strictly necessary with partner agencies that are also subject to the provisions of the Act. The personal information supplied in the application package may be used for referrals or notifications as required. Personal information may be used by FrontCounter BC for survey purposes. For more information regarding the collection, use, and/or disclosure of your personal information by FrontCounter BC, please contact FrontCounter BC at 1-877-855-3222 or at: FrontCounter BC Program Director, FrontCounter BC, Provincial Operation, 441 Columbia Street, Kamloops, BC V2C 2T3 or the Director, Access to Information and Privacy Secretariat at the Department of Fisheries and Oceans Canada and Transport Canada. The Province of British Columbia, Fisheries and Oceans Canada, and Transport Canada do not consider the information submitted in this form to be confidential unless it is subject to the privacy protection of the *Freedom of Information and Protection of Privacy Act* or the *Access to Information Act*.

**I understand that the information supplied will be used to review my applications under the BC Land Act, BC Seafood Act, federal Fisheries Act and the federal Navigation Protection Act and information will be shared amongst the other agencies, First Nations and/or with the public.**

**IMPORTANT:** Federal regulations require that applications submitted on behalf of a company be signed by a company director. Please email [aquaculture.licensing@dfo-mpo.gc.ca](mailto:aquaculture.licensing@dfo-mpo.gc.ca) for direction regarding supporting documentation.\*

Signature(s) of applicant(s)  
or authorized representative

Printed name(s) of Applicant(s)  
or authorized representative\*

Date (yyyy/mm/dd)

\*If signature is by an authorized representative please supply a letter granting authorization to act on behalf of the applicant.

## Submit completed application, and additional supporting information (if applicable) to:

### BY EMAIL:

Email Subject line: **Proponent Name, Application Type**

Attachments: The application and attachments to be submitted as one “unprotected” PDF document. If not, name as following:

**Proponent\_Application Type\_1of2**

**Proponent\_Description of Supporting documents\_2of2**

Email to: [WestCoast.LandReferrals@gov.bc.ca](mailto:WestCoast.LandReferrals@gov.bc.ca)

Fees: Upon review of your application, you will be notified by FrontCounter BC of the applicable provincial application fee.

### IN PERSON:

Any FrontCounter BC office.

Visit <http://www.frontcounterbc.gov.bc.ca> for the location nearest you.

### BY MAIL:

FrontCounter BC, 142-2080 Labieux Road, Nanaimo, BC V9T 6J9

**PLEASE RETAIN A COPY OF THIS APPLICATION FOR YOUR RECORDS**

**APPLICATIONS ARE NOT TRANSFERABLE**

**THE SUBMISSION OF THIS FORM DOES NOT IN ANY MANNER CONVEY ANY RIGHTS TO USE OR OCCUPY CROWN LAND AND/OR CONDUCT REQUESTED ACTIVITIES**