Schedule A: Finfish Cage Culture Operations

Part 1: Plans and Reporting

As part of a complete application package, various plans and reports are required to be included with a proposal. Table 1 identifies the plans and reports that applicants are required to provide depending on the type of development. Applicants are encouraged to consult an Aquaculture Development Officer when preparing application packages.

Table 1

Type of Development	Plans and Reports Required
New/Site Boundary Amendment	○ Baseline Survey Report ○ Business Plan (Commercial) ○ Consultation Report ○ Environmental and Waste Management Plan ○ Fish Health Management Plan (includes Biosecurity and Integrated Pest Management Plan) ○ Incident Management System Plan ○ Production Plan ○ Site Restoration Plan ○ Project Plan (Non-Commercial)
Species Add-on	○ Business Plan (Commercial) if existing plan does not accommodate the proposed add-on ○ Project Plan (Non-Commercial) ○ Production Plan ○ Updated Management Plans
Change of Ownership	○ Business Plan (Commercial) if existing plan does not accommodate the transition ○ Project Plan (Non-Commercial) ○ Production Plan ○ Updated Management Plans

Part 2: Development / Production Plan

In Table 2, record the following information:

1. From start-up to full operation, in Table 2 indicate:
   a) the estimated month and year stock will be introduced;
   b) the expected number of smolt/fingerlings/fry to be stocked
   c) the grow-out period;
   d) the average individual fish weight at the start and the end of grow-out;
   e) the expected losses over grow-out period; and
   f) the final production quantity at the end of growth period.

Table 2

Year/ Month	Stocking Number	Growth Period (months)	Avg. Start Weight (kg)	Avg. Final Weight (kg)	Expected Losses (%)	Expected Production (kg)

Example

2021/05	1,000,000	28	0.25 kg	5.95 kg	10%	5,652,500 kg

2. Indicate the expected maximum stocking (rearing) density. _____ kg/m^3

3. Indicate if broodstock will be reared. □ Yes □ No

   a) If yes, state approximate number and weight _____kg.

4. If broodstock are stripped, where will egg incubation occur? _____

5. In what year do you anticipate to reach peak production?_____

6. Indicate anticipated harvest for this site at peak production._____kg.

7. In Table 3, indicate the number and type of net cages proposed for each year.

Table 3

Year/Month	Type of Cage and Mesh Size	Net Length	Number of Cages	Holding Capacity (cubic meters, m^3)

Example:

2021/05	140 m HDPE Circular Cages 36 mm HDPE 3.1 mm	20	10	390,000 m^3

8. Specify the type of feed to be used (e.g. moist, dry, silage based, other).

_____

_____

_____

_____

9. Describe the method of feed administration (e.g. by hand, auto feeders, etc.).

_____

_____

_____

_____

10. In Table 4, provide the feed schedule for the entire growth cycle. Include planned amounts to be used.

Table 4

Year/Month	Species Biomass (kg)	Monthly Feed Amount (kg)

11. What is the annual feed consumption?_____kg

12. Describe in detail, the methods that will be adopted to minimize excess feed such as the use of feed tables, calculations to optimize feed use, the use of one feed form over another, feed cameras or other electronic feedback systems (including frequency of monitoring), pellet size, etc.

13. A fallow period is required. Describe the rotation plan for fallowing and include the licensed site locations where fish (if not being harvested) are to be stocked during this period. Indicate on a map the area to be used for fallow purposes.

Part 3: Site Suitability
If the proposed development is a species add-on or a Change of Ownership, please continue to Part 5 of the application.

1. Indicate if site assessments have been completed to demonstrate site suitability.
□ Yes □ No

a) If yes, please list the reports (e.g. site suitability studies, profiling, environmental data collection, etc.) and ensure they are included in the application package.

2. Describe any fishing activities (e.g. commercial, Indigenous or recreational fisheries), tourism operations, cabins, recreational activities (e.g. boating, diving, water skiing, swimming, etc.) or industrial facilities, and water uses that are located within a 2km radius of the site lease boundary. Provide information on the activities time(s) of operation and proximity to the site.

3. Identify potential impacts other resource users may have on the proposed development, if applicable. Include the measures to be established to minimize potential interactions and possible negative impacts by other resource users.

4. Identify any potential impacts the proposed operation will have on other resource users during the development phase of the project and while it is in operation, if applicable. Provide details on the measures to be established to minimize the impacts.

Complete either Section A if applying for a salt water cage operation or Section B if applying for a fresh water cage operation.

Section A: Site Suitability for Salt Water Cage Operation

1. Temperature Salinity Profile

   Record temperatures and salinity at the indicated depths.

	Spring		**Summer**		**Fall**		**Winter**	
Depth (m)	**Temp (°C)**	**Salinity (ppt)**	**Temp (°C)**	**Salinity (ppt)**	**Temp (°C)**	**Salinity (ppt)**	**Temp (°C)**	**Salinity (ppt)**
0								
1								
2								

3								
4								
5								
10								
Bottom less 1 metre								

3. Identify the minimum water depth below the bottom of the net cages at low tide. _____metres. Include this depth on a cross-sectional drawing of the site.

3. Exposure to wind and waves:

a) Maximum fetch: _____ kilometers Direction: _____.

b) Prevailing wind direction:

Spring _____ Summer _____ Fall _____ Winter _____

c) Maximum wave height: _____ meters.

4. Indicate the prevailing storm wind direction. Label this wind on a map.

_____

Section B: Site Suitability for Fresh Water Cage Operation

1. Water Quality

Determine the levels of the following parameters at the proposed site at a depth of one meter.

Parameters Values	**Spring**	**Summer**	**Fall**	**Winter**
Dissolved Oxygen (mg/l)				
Total Alkalinity (mg/l)				
Hardness (as Calcium Carbonate) (mg/l)				
Ammonia (mg/l)				
pH				
Temperature (ºC)				

2. Dimensions of Lake

a) Overall area of lake: _____ hectares.

b) Average depth of lake: _____ metres.

c) Maximum depth of lake: _____ metres.

3. Minimum water depth below the bottom of the net cages _____metres. Include this depth on a cross-sectional drawing of the site.

4. Exposure to wind and waves:

   a) Maximum fetch: _____ kilometers Direction: _____

   b) Prevailing Winds:

   Spring _____ Summer _____ Fall _____ Winter _____

   c) Maximum wave height: _____ metres.

5. Indicate the prevailing storm wind direction. Label this wind on a map.

_____

Part 4: Sustainability of Wild Salmon

1. Provide on a map the location of wild salmon rivers in the region and their proximity to the proposed operation.

2. Provide details regarding measures to be established to support sustainability of wild salmon (e.g. containment measures, traceability, conservation efforts, etc.) within the vicinity of the proposed operation.

_____

_____

_____

_____

3. Provide details regarding any salmon recovery or restoration efforts that are planned or established in the region of operation and how the proposed operation may interact with these efforts.

_____

_____

_____

_____

Part 5: Economic Development

1. Provide an overview of the benefits of the proposed development to the Province. Include the socio-economic benefits, supply and service opportunities, potential direct and indirect spin-off industries and other relevant information that demonstrates the impacts and scale of benefits. For this response, include direct and indirect employment creation and targets/commitments that must be accessible and inclusive of all genders, Indigenous peoples, persons with disabilities, visible minorities, and youth. Please identify if employment expertise availability is local and/or national/international.

2. In Table 5, identify direct and indirect employment creation that will result from the proposed development for the next three years. Identify duration of employment and if possible, provide the types of positions (e.g. managerial, supervisory, technical, administration, etc.).

Table 5

Year	Number of Employees			Type of Position
	Full Time	Part Time	Seasonal	

3. Indicate if the required labour supply and level of skill is available to operate the proposed development. Explain how this has been determined.

4. In the event the required skill-set is not available within the labour supply, describe any training plan and/or other measures to be established to address.