

## **Schedule D: Fish-out Pond 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 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	<ul style="list-style-type: none"><li><input type="radio"/> Baseline Survey Report</li><li><input type="radio"/> Business Plan (Commercial)</li><li><input type="radio"/> Consultation Report</li><li><input type="radio"/> Environmental and Waste Management Plan</li><li><input type="radio"/> Incident Management System Plan</li><li><input type="radio"/> Production Plan</li><li><input type="radio"/> Project Plan (Non-Commercial)</li></ul>
Species Add-on	<ul style="list-style-type: none"><li><input type="radio"/> Business Plan (Commercial) if existing plan does not accommodate the proposed add-on,</li><li><input type="radio"/> Production Plan</li><li><input type="radio"/> Project Plan (Non-Commercial)</li><li><input type="radio"/> Updated management plans</li></ul>
Change of Ownership	<ul style="list-style-type: none"><li><input type="radio"/> Business Plan (Commercial) if existing plan does not accommodate the transition,</li><li><input type="radio"/> Production Plan</li><li><input type="radio"/> Project Plan (Non-Commercial)</li><li><input type="radio"/> Updated management plans</li></ul>

## Part 2: Development / Production Plan

1. List the overall dimensions of all planned structures and their completion times in Table 2 (see example below).

**Table 2**

Description	Number	Dimensions (m) L x W x D	Volume (m <sup>3</sup> )	Completion Date

Fish-out Pond	1	20 m x 10 m x 2 m	2100 m <sup>3</sup>	May 2021
Fish-out Pond	1	40 m x 15 m x 3 m	1800 m <sup>3</sup>	June 2021
Canteen/Takeout	1	10 m x 5 m	50 m <sup>2</sup>	July 2021

2. For anticipated full operation, indicate in Table 3:

- the estimated year and month stock will be introduced;
- the expected number of fish to be stocked;
- the growth period;
- the average individual fish weight at the start and when fish are ready to be sold;
- the expected losses over growth period; and
- the final production quantity at the end of growth period.

**Table 3**

Year/ Month	Stocking Number	Grow-out Period (months)	Avg. Start Weight (kg)	Avg. Final Weight (kg)	Expected Losses (%)	Expected Production (kg)
<b>Example</b> 09/21	5000	100 grams	400 grams	18 months	10%	

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

**Table 4**

<b>Year/Month</b>	<b>Species Biomass (kg)</b>	<b>Monthly Feed Amount (kg)</b>

4. What is the annual feed consumption? \_\_\_\_\_ kg

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

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

7. 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.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

8. Indicate the expected maximum stocking density. \_\_\_\_\_ kg/m<sup>3</sup>

### **Part 3: Site Suitability**

**If the proposed development is a species add-on or Change of Ownership, please continue to Part 3 of the application**

#### **Section A: Site Information**

1. Is the pond natural or man-made? \_\_\_\_\_

2. Indicate if site assessments have been done 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:

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3. Name the source of water. \_\_\_\_\_

4. Is the proposed pond gravity fed?      Yes      No

5. Is the proposed pond spring fed?      Yes      No

6. Will water be diverted from an existing source?      Yes      No

7. Does this source of water flow year round?      Yes      No

8. Indicate the minimum litres/minute of water source.

Spring \_\_\_\_\_ litres/minute      Summer \_\_\_\_\_ litres/minute

Fall \_\_\_\_\_ litres/minute      Winter \_\_\_\_\_ litres/minute

9. Does the water source have a disease profile? Yes      No

If yes, identify the source of information. \_\_\_\_\_

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10. Intake grid size (if applicable): \_\_\_\_\_

**Note: Department of Fisheries and Oceans Canada may require installation of intake and outlet screens.**

11. Water will be discharged to:

12. Indicate the name of receiving water body. \_\_\_\_\_

13. Indicate the discharge volume. \_\_\_\_\_ litres/day

14. Provide the outlet grid size. \_\_\_\_\_

## Section B: Water Quality

1. Determine the seasonal levels of the following parameters:

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 ( °C)				

2. Does the water source provide for future expansion?  Yes  No

### 3. Dimensions of pond:

a) Overall area of pond: \_\_\_\_\_ hectares.  
b) Average depth of pond: \_\_\_\_\_ metres.  
c) Maximum depth of pond: \_\_\_\_\_ metres.

4. Indicate if the water quality parameters fall within the water quality requirements of the species to be held.  Yes  No

a) If no, how do you propose to bring water quality parameters within accepted requirements for the species?

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5. What provision has been made for aeration?

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6. 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.

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7. 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.

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8. 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.

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### **Part 3: 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.

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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.

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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.

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