



**\*Complete one operation and development plan for each species**

**AQUATIC FARM OPERATION AND DEVELOPMENT PLAN – PART A**

Part A includes questions regarding your proposed operation. Your proposed aquatic farm or hatchery plans must demonstrate technical and operational feasibility (AS 16.40.105(4)). Please provide any additional information that you consider pertinent to your operating plan on additional sheets of paper as necessary.

Name \_\_\_\_\_ Species \_\_\_\_\_  
ADNR Lease ADL No.: \_\_\_\_\_ ADF&G Permit No. \_\_\_\_\_ - \_\_\_\_\_ -AF - \_\_\_\_\_

1. Provide an estimate of the total days and number of people (including yourself) that will be needed to operate your farm site for each year:

Year 1:	Number of Days _____	Number of People _____
Year 2:	Number of Days _____	Number of People _____
Year 3:	Number of Days _____	Number of People _____
Year 4:	Number of Days _____	Number of People _____
Year 5:	Number of Days _____	Number of People _____

**2. Site Monitoring/Maintenance**

a. How often, in days per month, do you intend to monitor your site for things such as adequate anchoring, disease, exotic species settlement, fouling, gear drift, snow load, wind damage, vandalism, etc.?

**Growing season** \_\_\_\_\_ (days/month) **Winter months** \_\_\_\_\_ (days/month)

b. Where will you store any farm gear and/or equipment when not in use? \_\_\_\_\_

c. How will you keep the gear and shellfish free of fouling organisms (hot-dip, air dry, pressure washing, etc.)? \_\_\_\_\_

d. How will you manage incidental species over the course of operations (sea urchins, sea cucumbers, butter clams, or other non-targeted species)? \_\_\_\_\_

e. For on-bottom culture, if you intend to use predator netting, how long will you keep netting over your product? \_\_\_\_\_(months)

**3. Recordkeeping**

a. What methods are you going to use to measure the success of your operation (growth, survival or mortality rates, production, etc.)? \_\_\_\_\_

b. Will you maintain records of aquatic farm product, such as counts and measurements to track survival and growth? **Yes** \_\_\_ **No** \_\_\_ **Describe:** \_\_\_\_\_

c. Do you plan to record other physical or environmental parameters at your site such as water temperatures and salinity? **Yes** \_\_\_ **No** \_\_\_ **Describe:** \_\_\_\_\_

**4. Harvest**

a. How often do you intend to harvest your product? \_\_\_\_\_

b. How do you intend to harvest your product? **Suspended:** Manual \_\_\_\_\_ Other \_\_\_\_\_  
**On-Bottom:** Hand/Digging \_\_\_\_\_ Hydraulic wand \_\_\_\_\_ Manual \_\_\_\_\_ Other \_\_\_\_\_

**5. Sales**

a. DNR has a commercial use requirement (CUR) of \$3,000 per acre per year or \$15,000 per farm, whichever is less. What is your anticipated total production using farm gate value by the end of year 5?  
\$ \_\_\_\_\_

**6. Seed Acquisition**

a. Which certified shellfish seed source(s) will you use? \_\_\_\_\_

b. Applicable for indigenous species (mussels, scallops, abalone, etc.), how do you intend to collect wild seed? \_\_\_\_\_  
\_\_\_\_\_

**PART A – SIGNATURE BLOCK**

**Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

## AQUATIC FARM OPERATION AND DEVELOPMENT PLAN – PART B

**Complete one operation and development plan for each species** using a reasonable expectation of what you believe is possible for each year of the 10-year lease and operation permit. This is a projection to help you visualize a 10-year farming plan keeping in mind that annual sales at the end of year 5 must meet or exceed the commercial use requirement and sales must then be maintained or increased in the remaining years of the lease. Commercial use equals the annual sum of farm sales from all species combined. The commercial use requirement does not have to be met for each species. Your plan can be amended to reflect any changes as the aquatic farm operations develop.

Name _____ ADL Number _____ ADF&G Permit No. ____ -AF- ____ Species _____								
Calendar Year	Installation Schedule			# of Hatchery-Produced Seed	#of Seed Collected Onsite (Only applies to indigenous sp.)	Aquatic Farm Production Projected Harvest and Sales		
	Support Facilities <sup>1</sup>	Equipment/ Gear Types And Numbers <sup>2</sup>	Anchoring Systems			Projected Sales <sup>3</sup> (\$)	# of Animals	# of Pounds
(Year 1) 20__						\$		
(Year 2) 20__						\$		
(Year 3) 20__						\$		
(Year 4) 20__						\$		
(Year 5) 20__						<sup>4</sup> \$		

<sup>1</sup> Support facilities examples: caretaker, storage, or processing facilities, work rafts, etc. This must correspond to diagrams and drawings.

<sup>2</sup> Equipment examples: grow-out rafts, longlines, buoys, etc. Gear examples: trays, tiers of lantern nets, or predator netting. This must correspond to diagrams and drawings.

<sup>3</sup> Projected sales are based on Farm Gate Income which is defined as the unprocessed value, excluding the cost of packaging or transport of the product to its' first point of sale.

<sup>4</sup> By the end of your 5<sup>th</sup> year, **projected sales for all species combined must meet the commercial use requirement** (CUR) defined as the annual sales of at least \$3,000 per acre or fraction of an acre, or \$15,000 per farm, whichever is less (11 AAC 63.03(b)). The CUR applies to the combined total of all species, is not a "per species" requirement and must be maintained or increased in Years 6 - 10.

**I understand I must improve productivity according to above operation and development plan for this species and that this plan can be amended to reflect any changes as the aquatic farm operations develop.**

**SIGNATURE** \_\_\_\_\_

**DATE** \_\_\_\_\_

(Continued – Page 2)

**AQUATIC FARM OPERATION AND DEVELOPMENT PLAN – PART B**

Name \_\_\_\_\_ ADL Number \_\_\_\_\_ ADF&G Permit No. \_\_\_\_\_ -AF- \_\_\_\_\_ Species \_\_\_\_\_  
(Individual plan required for each species)

Calendar Year	Installation Schedule of New Structures (Corresponds with diagrams and drawings)			# of Hatchery-Produced Seed	#of Seed Collected Onsite (Only applies to indigenous sp.)	Aquatic Farm Production Projected Harvest and Sales		
	Support Facilities <sup>1</sup>	Gear Types And Numbers <sup>2</sup>	Anchoring Systems			Projected Sales <sup>3</sup> (\$)	# of Animals	# of Pounds
(Year 6) 20__						\$		
(Year 7) 20__						\$		
(Year 8) 20__						\$		
(Year 9) 20__						\$		
(Year 10) 20__						\$		

<sup>1</sup>Support facility includes: caretaker, storage, or processing facilities, work rafts, etc.

<sup>2</sup>Equipment includes: grow-out rafts, longlines, buoys, etc. Gear Includes:: trays, tiers of lantern nets, or predator netting. This must correspond to diagrams and drawings.

<sup>3</sup>Projected sales are based on Farm Gate Income which is defined as the unprocessed value, excluding the cost of packaging or transport of the product to its' first point of sale.

**I understand I must improve productivity according to above operation and development plan for this species and that this plan can be amended to reflect any changes as the aquatic farm operations develop.**

**SIGNATURE** \_\_\_\_\_

**DATE** \_\_\_\_\_