STATE OF ALASKA

AQUATIC FARM APPLICATION







JOINT-AGENCY AQUATIC FARM APPLICATION FOR THE DEPARTMENTS OF NATURAL RESOURCES, FISH AND GAME, AND ENVIRONMENTAL CONSERVATION

You may download this application from the following website: www.dnr.state.ak.us/land/aqua_ap.htm

COMPLETE THIS APPLICATION IN BLACK INK OR TYPE. SUBMIT YOUR ORIGINAL SIGNED APPLICATION WITH THE NON-REFUNDABLE \$100.00 FILING FEE (RECEIPT TYPE 76) TO THE DEPARTMENT OF NATURAL RESOURCES, DIVISION OF MINING, LAND AND WATER, 550 W. 7TH AVE., SUITE 900C, ANCHORAGE, AK 99501-3577. (PLEASE REFER TO THE APPLICATION AND GENERAL INSTRUCTIONS ATTACHED). LABEL AND ATTACH ADDITIONAL PAGES IF NEEDED. FAXES OR XEROX COPIES WILL NOT BE ACCEPTED.

Note to Applicant: This is a joint-agency application form. For questions concerning the biological aspects or operations of your proposal, please contact the Department of Fish and Game, Division of Habitat and Restoration or the Commercial Fisheries Division, respectively. For questions concerning water quality and sewage disposal please contact the Department of Environmental Conservation; and for questions concerning land status and/or leasing requirements please contact the Department of Natural Resources. In addition, this application serves as the coastal zone consistency questionnaire per the Alaska Coastal Management Program. For questions concerning coastal consistency, please contact the Division of Governmental Coordination. (See agency list on page 5 of the application instruction letter).

A. APPLICANT INFORMATION

Name		Contact Person, if different from applicant	Phone	
Doing Business As				
Mailing Address				
City	State	Zip Code		
Phone		Fax F-mail address		

B. GENERAL INFORMATION

Complete the following questions related to your proposal:

1. Please list all species that you intend to farm as well as the gear type for each: (List the scientific AND common names of each species. (An example of a scientific name is *Crassostrea gigas*, with the common name being Pacific Oyster. Examples of gear types would be long lines, Mexican trays, etc.)

(This must correspond with your development plan(s) and all drawings.)

	Scientific Name	Common Name	Gear Type
	Species 1: Species 2: Species 3: Species 4: Species 5: Species 6:		
	(Use additional sheets of paper as necessary.)		
2.	2. Are you proposing to utilize a:		
	a. hardening area? Yes No Size: b. floating workraft? Yes No Size:		(e.g. 50' X 50')
3.	Number of state land acres applied for: Uplands Tide/submerr	ged land (including hardening/defo	uling area)
	(Number of acres must correspond with your farms		
4.	Does your proposal include caretaker housing or suppostate uplands? Fed		ands?
	If any of your proposed facilities will be on federal or pri	ivate uplands, provide the upland o	wner's name and address below:
	If you are unable to acquire the upland to build or insta Yes No If it is, describe your alternate operation		
	Caretaker housing and support facilities may be appro Housing on state owned uplands can only be approve reasonably commute by road or boat, and no suitable	d if site development requires daily	y attention and personnel cannot
	If you have answered yes to <u>any</u> caretaker housing or attach labeled diagrams/drawings clearly showing the h		
5.	5. a. Do you currently: own or lease upla	and property adjacent to, or near, the	e proposed farm site that you plan

	to use in conjunction with your prob. Are you the adjacent upland owner. Do you agree to contain your aqua uplands? Yes No If	r applying for a preference rig tic farm support facilities (stora	ige, dwellings, etc.) on the	se privately owned or leased
6.	In order to process your application, it is the proposed farm site. Below, please side of your proposed farm site. Sour land records.	provide the names and address	sses of the upland owners	within one-half mile on each
	UPLAND OWNER(S)	ADDRI	ESS	
		<u> </u>		
С. Г	PROJECT LOCATION			
1.	If your proposal involves use of the up location of the facilities on a USGS quafrom U.S. Geological Survey, 4230 Un Section G.1.a. and b.)	drangle map and attach to this	application. USGS quad	rangle maps can be obtained
2.	Attach a copy or original of that part of Clearly indicate the site boundaries of quadrangle name on the copy. Navigis attached for your convenience http://acc.nos.noaa.gov/Naut/NautAge	of your proposed aquatic farn pational/nautical charts can be or you may find a su	n and write the chart re obtained from various sup pplier listing at the fo	eference number or USGS opliers around the state. A list
3.	Please list the Section(s), Township(sappropriate:	s), Range(s), and Meridian of	your proposed site(s) be	low, numbering each site, if
	Site No. : Township : Site No. : Site No. : Township : Site No. : Township : Site No. : Township : Site No. : Site No. : Township : Site No. : Township : Site No. :	Range Range Range Range Range Range Range Range Range	Meridian Meridian Meridian Meridian Meridian Meridian Meridian	Section(s) Section(s) Section(s)
4.	Please provide the longitude and latitu (component) of your proposal. The consecond. Be sure to depict Corner Numbers, Site. For example, Site 1, growing are them consecutively and clockwise from instructions).	oordinates must be specified to hber 1 of each site on your Site ea, Site 2, hardening area, etc	o the nearest hundredths Plan as well as numberin . Mark the remaining cori	of a minute or to the nearest g and labeling each separate ners of each site, numbering
	Coordinates for Corner Number 1 musecured loan, from ADFG, Commercia page 5 of the application instructions.			
	Site 1 Co	rner No. 1: Longitude	Latitude	

		- Corner No. 1: Longitude		
	Site 3	- Corner No. 1: Longitude	Latitude	
	Site 4	- Corner No. 1: Longitude	Latitude	
	Site 5	- Corner No. 1: Longitude	Latitude	
	Site 6	- Corner No. 1: Longitude	Latitude	
	Site 7	Corner No. 1: Longitude	Latitude	
	Site 8	Corner No. 1: Longitude	Latitude	
	Site 9	Corner No. 1: Longitude	Latitude	
	Site 10	Corner No. 1: Longitude	Latitude	
	Please indicate which	es as necessary to list all of your sites.) ch datum was used for your GPS readings:		
	NAD 27 _	NAD 83		
5.	What is the nearest	community to your proposed farm site?		
J.	What is the hearest	community to your proposed farm site:		
D. S	SITE SUITABIL	ITY		
1.	Physical and Biologi	cal Characteristics		
	 a. Provide any information you may have regarding water exchange, water temperatures, salinity, and turbidity/sediments at the site. Include the dates (and stage of tide, if available) the data were recorded. 			
		tom composition at the site (e.g. sand, mud, rock, (as required in Section G) with arrows showing le	gravel, eelgrass). Please also note on Photograph(s) ocations.	
	c. Describe winter	conditions at the site (e.g. water temperatures, ic	ing, storms, etc.).	
		fish (e.g. salmon) use any streams in the area for elow and on the Site Plan which streams are use		
	e. Is the target spec density per squa	cies naturally present in the area? Yes No_ re foot).	If yes, describe distribution and abundance (e.g.	

	f. —	Please list any potential predators, such as marine mammals and seabirds at your proposed site and indicate what you responses are based upon, such as on-site investigations, research material (including the name of the document(s) and agency, if applicable).
		 (1) Is the farm still feasible with the presence of these predators? Yes No (2) Will the farm create an attractive nuisance for the predators listed above? Yes No If yes, how do you propose to alleviate this problem?
	g.	Describe the biotic community(ies) within your proposed farm boundary.
		RRENT LAND USE ease check other human uses at the project site and in the surrounding area. Other human uses may include commercia
		velopment, such as: _ mining
2.	Ple	hunting upland access route(s) navigational channels; describe: other, list: ease indicate on your Site Plan where the uses are located as indicated in Section G.2.p. Describe how existing land and resource uses checked above may impact your project feasibility.
		If you have described potential impacts to your project feasibility above, please describe actions you propose to use to tigate those impacts.
3.		escribe how <u>your</u> project may impact any of the existing uses checked above. Please consider navigational channels pecially in cases where they may be limited.
	_	

F. WATER QUALITY

a. The type of discharge(s).

Sewage or industrial discharge(s) may accumulate in, harm the growth or consumptive use of, your shellfish product. Oysters, mussels and scallops are filter feeders and may accumulate fecal coliform bacteria and associated pathogens from sewage discharges. If a caretaker facility is needed for the site, and its discharge is located near the culturing operation, there may be a risk of contamination. To ensure that your growing area can be certified by the DEC, the department has developed the following requirements for those aguatic farms where a sewage discharge is necessary.

- 1) Discharges must meet water quality standards (18 AAC 70), wastewater disposal regulations (18 AAC 72), and requirements of the National Shellfish Sanitation Program (incorporated by reference in 18 AAC 34.200).
- 2) No sewage discharge from a caretaker facility (floathomes or houseboats) will be allowed within 300 feet from the boundary of an approved DEC growing area. (The boundary encompasses the entire growing area). All other discharges will be evaluated separately.
- 3) Outhouse and septic systems must maintain a minimum 100-foot horizontal separation distance from surface waters and a minimum 4-foot vertical separation distance from the high ground water table. DEC will require a waste discharge permit and system plan review for all sewage discharges. Additional information may be required by DEC depending on the type and complexity of the wastewater system proposed. After review of application materials, DEC may decide it is not necessary to issue a waste discharge permit for facilities generating very small daily volumes of sewage and grey water.

1.	Waste	ewater Discharge and System Plan Review	
		there a floathome, dwelling or upland caretaker's facility proposed for the site? Yes No ill wastewater be discharged from any of these facilities? Yes No If yes, provide the following information	
	(1) What are the daily maximum and average discharge volumes? Maximum Average	
		UBMIT THE FOLLOWING INFORMATION ON SEPARATE PAGES (Contact the DEC representative on page 5 the application instructions to determine submittal requirements for your specific proposal.)	
	(2	Wastewater system design plans consisting of reports and/or drawings that clearly and legibly depict the design, type, and volume of discharge. (Design plans may require preparation by a registered engineer.)	
	(3	A description of proposed and existing wastewater treatment works, disposal systems, or sewers.	
	(4	 Sufficient soils and topographic information to allow evaluation of the soil type, absorption area, depth to water table and impervious surfaces, and topography, if treatment or disposal (other than a conventional on-lot soil absorption system) is into or onto land or subsurface land. 	
2.	If you plan to use a boat on your farm site, indicate the type of marine sanitation device.		
 Were there any sources of past pollution at the site, such as a shore-based seafood processor, log transfer facility, in facility, oil spill contamination, or a town or village? Yes No If you answered yes to the above, identify: 			
	b. Th	ne type of previous use (e.g. mine, village, seafood processor, oil spill)e last known date of usee distance from the site previously used to your project site	
4.	Are there any current potential sources of human or industrial pollution in the area? (For example, sewage outfalls, contamination, industrial transfer facilities or upland operations, boat harbors, etc.) Yes No If yes, describe:		

Page 6 of 6 10/98 Revised 12/00

	b. The location and distance from your site.				
	c. The name of the discharger(s), if known.				
5	. Are you aware of any other planned development in the general area of your proposed farm? Yes No If yes, describe the planned development.				
G.	SITE PLAN & PHYSICAL DESCRIPTION				
	HE FOLLOWING INFORMATION MUST BE INCLUDED WITH YOUR APPLICATION. YOUR APPLICATION WILL BE EJECTED IF ANY OF THE INFORMATION IS NOT INCLUDED.				
b 1	Four types of maps/drawings and photographs are required to make your application complete, are further described below, and include: 1) a vicinity map; 2) a site plan; 3) a cross-sectional diagram; 4) a detailed drawing, and 5) an 8" by 10" photograph of each component of your application, i.e. growout area, hardening area, etc. All drawings must be on 8½" x 11" paper.				
Р	lease check off each item below as you complete each requirement.				
	1. Vicinity Map				
_	_ a. Provide a <u>Vicinity Map</u> using a U. S. Geological Survey (USGS) topographic location map. Map Name: (e.g. Seldovia B-4)				
	Use a 1" = one mile (1:63,360) USGS topographic map. Indicate the location of your proposed farmsite and the location of any upland components. (Refer to Section C.2.)				
	 b. National Ocean Survey Nautical Chart # <u>Indicate the location of your proposed farmsite</u>. (Refer to Section C.2.) c. Indicate the distance and direction to the nearest community from your site. (e.g.: Petersburg, 25 miles north, Ketchikan, 				
_	30 miles southwest, etc.)				
	2. Site Plan				
	rovide a <u>Site Plan</u> drawn to scale, which shows the layout, location, and dimensions of the following items within your roposed farm boundary. (A sample Site Plan is provided for reference.)				
	a. <u>Indicate the boundaries</u> of the farm area for all proposed uses of tide/submerged lands and uplands. (All anchors must be inside your boundary lines.) Indicate, <u>in feet</u> , the dimensions of each boundary line - multiply the width by the length to make sure the amount is equal to the area or number of acres requested (one acre=43,560 square feet). Hardening and				
_	 defouling areas are part of the farm site but may be outside the primary farm boundaries. b. Identify CORNER NUMBER 1 (northeast corner) of each parcel/component that was used for the latitude and longitude coordinates in Section C.4. 				
	 c. The workrafts or other production facilities to be employed. d. Anchoring systems. (Include anchor type and weight, diameter and length of anchor lines, proposed anchor scope.) 				
	 e. Docks, floating structures, caretaker facilities - including upland or tideland. f. Wastewater disposal systems, including both sewage and grey water discharge points (grey water means domestic 				
_	wastewater from laundry, kitchen, etc., which does not contain human waste). g. The location of water, including any drinking water wells or other drinking water system sources, fresh water, and salt				
_	water, within 200 feet of the proposed wastewater disposal system. h. Solid waste storage and disposal sites (note: you are encouraged to use existing permitted sites for the disposal of solid wastes)				
_	wastes). _ i. Roads or airstrips.				
_	 j. Other upland or tideland facilities at the site associated with the farming operation. k. Fuel and chemical storage. 				
_	_ I. Properties referenced in Section B.7. (adjacent property owners)				

Page 7 of 7 10/98 Revised 12/00

nside the farm boundaries corrected to the opth measurements are required.) water flows at the ebb (outgoing) and flomation can be obtained from a local Depart Anadromous Streams.) posed site. (Refer to Section E, Current of the site Plan example.)	od (incoming) tides. tment of Fish and Game, Division Land Use.) ne(s) beginning with "A" on one			
-Sectional Diagram				
The gear/facilities you propose to use for equired. Include a corresponding line, fro nan-made features on or proposed for the Plan and Cross-Sectional Diagram shou	each species to be cultured must m your Site Plan ("A" – "A'", "B" - e site, as well as subtidal resource			
4. Detailed Drawing				
Provide a Detailed Drawing (to scale with dimensions) of all facilities on your site plan showing their placement construction materials, and anchoring systems. More than one drawing may be required. The total area must correspon to the total number of acres you are applying for in Section B.4. The anchoring system, including the anchors, must be included inside the farm boundaries.				
5. Photograph(s)				
Provide an 8" x 10" color photograph of your proposed farm site. If not all of the components/parcels of your proposal can be included in one photograph, please provide additional photographs showing the locations of the other components, for example, the area proposed for hardening or the area proposed for caretaker facilities. On the photo, clearly indicate corner number 1 and the date, time and tide level when the photograph was taken. Low tide is preferred. Also, indicate north or the direction that the photographer was facing while taking the photo. If you are applying for a suspended culture facility, please compose the photo so the nearest shoreline is visible in the background.				
s that will be working on this project. Incli	ude a staffing plan if appropriate.			
ANTICIPATED DUTIES	EXPERIENCE			
ANTICIPATED DUTIES	EXPERIENCE			
	dimensions) of all facilities on your site. More than one drawing may be required or in Section B.4. The anchoring system Photograph(s) Deposed farm site. If not all of the compone additional photographs showing the location the area proposed for caretaker facilities well when the photograph was taken. Low as facing while taking the photo. If you are est shoreline is visible in the background. G PLAN S that will be working on this project. Including the photograph was taken.			

10/98 Revised 12/00 Page 8 of 8

	escribe your operating plan for this project, including any facilities and equipment you propose to use. Please describe <u>how</u> bu propose to:				
	a. access the site (transportation means, route and frequency);				
	. house personnel while working at the site;				
	store gear and equipment when not in use;				
e. f.	l. conduct winter operations;				
	e. harvest product (means, methods, and frequency);				
	. hold your product prior to sale and where;				
	. transport your product to point of sale;				
	deploy seed collection devices, if any, and if so, please list type, quantity, dimensions;				
	i. acquire seed stock – include the facility name and quantity of each species;				
	j. locate and operate your farm to avoid predators. Please list proposed predator exclusion devices, if any, and explain: 1 where they would be used; 2) types; 3) configurations intended for use; 4) dimensions of the devices (mesh size materials used in fabrication, size of the panel or bag); 5) seasonality of use; 6) means of transport; 7) installation; and 8 storage.				
	(1)				

Additional information you consider pertinent to your operating plan should be included. (Use additional sheets of paper as necessary.) Note: Detailed information enables agencies to conduct a more thorough evaluation of your project.

For legal types of control measures, please contact a representative of either ADFG or the U. S. Fish and Wildlife Service listed on page 5 of the application instructions.

3. An Aquatic Farm Development Plan form is attached to this application. Submit a completed development plan for each

species being proposed. Please make additional copies as needed, or you may pick up additional copies at the DNR, Public Information Center. The development plan must result in commercial use of the site beginning no later than the beginning of the fifth year of lease operations and continuing for the rest of the lease term. Commercial use of the site means annual sales of aquatic farm products, as defined in AS 16.40.199, of at least \$3,000 per acre or fraction of an acre, or \$15,000 per farm whichever is less. The commercial use requirement applies to the combined total of all species and is not a "per species" requirement.

AL		L MANAGEMENT PROGRAM ATION STATEMENT
		complete to the best of my knowledge. I certify that the prop I in a manner consistent with, the Alaska Coastal Manage
to hold, transpo	rt, and raise shellfish or aquati	and hold a permit from the Department of Fish and Game in one plants, and a Growing Area Certification and a Harvesters Pervation in order to sell my product.
Signature of A	pplicant	Date

AQUATIC FARM APPLICATION CHECKLIST

The following items are required to be considered a COMP	PLETE application:
Aquatic Farm application Vicinity map (USGS topographical/nautical chart) Site Plan drawing Cross-Sectional diagram Detailed Drawing of all facilities Photograph(s)	Authorization/deed for any upland facility use not on state lands, if appropriate Development Plan(s) for each species Environmental Risk Questionnaire Corps of Engineers General Permit 91-7 Check or money order for the non-refundable \$100 filing fee

THE ORIGINAL APPLICATION MUST BE SIGNED AND PHYSICALLY PRESENT IN THE DNR OFFICE AT THE ADDRESS LISTED ON PAGE 1 BY THE APPLICATION FILING DEADLINE, WHICH IS APRIL 30, 2001.

AS 38.05.035(a) authorizes the director to decide what information is needed to process an application for the sale or use of state land and resources. This information is made a part of the state public land records and becomes public information under AS 09.25.110 and 09.25.120 (unless the information qualifies for confidentiality under AS 38.05.035(a)(9) and confidentiality is requested). Public information is open to inspection by you or any member of the public. A person who is the subject of the information may challenge its accuracy or completeness under AS 44.99.310, by giving a written description of the challenged information, the changes needed to correct it, and a name and address where the person can be reached. False statements made in an application for a benefit are punishable under AS 11.56.210.

Page 11 of 11 10/98