



# ALASKA'S AQUATIC FARM PROGRAM

Application Opening Period  
January 1, 2009 through April 30, 2009

## PART I APPLICATION PROCESS GUIDELINES AND CONTACTS

This application packet provides you with information about the Alaska Aquatic Farm Program application process, requirements, restrictions and guidance for farm site development, the application for suspended and/or on-bottom aquaculture, and agency contact information. It is designed to help you obtain the authorizations initially required by the Alaska Departments of Natural Resources (ADNR), Fish and Game (ADFG), Environmental Conservation (ADEC), and the Office of Project Management and Permitting, Alaska Coastal Management Program (OPMP/ACMP), to site, develop, and operate your aquatic farm project. The aquatic farm program is administered through a batch processing method wherein all applications received during the opening period are processed on the same schedule. The application package is presented in three parts: Part 1 (this section) – application process guidelines and contacts; Part II - Instructions and Application; Part III - a list and descriptions of the authorizations required to operate an aquatic farm in the State of Alaska, including other information pertinent to operating an aquatic farm.

Written authorizations are required from all agencies before any aquatic farm activities may begin. During later stages of aquatic farming operations, authorizations are required to stock and sell your aquatic farm products. You must apply separately to the ADFG and ADEC for these authorizations after you complete this application process. These later authorizations are described further on page 3.

If you require technical assistance to complete the application (Part II), please contact any of the agency representatives who are listed on page 10 of this document.

Potential applicants should be aware that the ADNR also offers an Over-The-Counter (OTC) Program for aquatic farm sites that currently has over 100 pre-approved sites available on a first-come, first-served basis and, upon approval of the required operation and development plan, authorizations in most cases can be obtained after 4-6 weeks. The OTC Program offers a more streamlined method outside the standard opening of obtaining an aquatic farm site because the public process has been completed for that program. OTC sites are located throughout Southcentral and Southeast Alaska. For more information on the OTC program, please contact the aquatic farm program manager at (907) 269-8543 or visit the following website:  
[www.dnr.state.ak.us/mlw/aquatic/otc/index.cfm](http://www.dnr.state.ak.us/mlw/aquatic/otc/index.cfm)

### **A. Application Process**

The Alaska Department of Natural Resources (ADNR) holds an aquatic farm application opening every other year. This year Aquatic Farm Applications will be accepted by the ADNR from January 1, 2009 to April 30, 2009. It is highly recommended that applicants seek a pre-application meeting prior to submitting an application to ensure that your application is complete and you understand the requirements and restrictions that apply to your proposed site selection. Regulatory agencies request that applicants provide as much detailed information concerning their project as possible. Additionally, applicants should discuss their proposal with U.S. Army Corps of Engineers (USACOE) to obtain information on their requirements and authorizations.



The following information outlines the application requirements involved for an aquatic farm site. For more specific information, refer to the ADNR regulation, Chapter 11 AAC 63.030 and ADFG regulation, Chapter 5 AAC 420 and 616 40.110. A flowchart of the application process (Figure 1) can be found on page 4.

- 1. Pre-Application Meeting.** Applicants may request a pre-application meeting through OPMP and the regulatory agencies to discuss their proposal before initiation of the state's ACMP consistency review. If interest is shown, application workshops will be scheduled at the beginning of the application opening period. If you are interested in attending a workshop, please call either the ADNR or ADFG representative listed on page 10.
- 2. Submit Application and Fees to DNR.** Applicants submit their application to the ADNR. ADNR makes copies and distributes to the OPMP (ACMP), ADFG and ADEC for review to determine whether or not the application is complete. If incomplete, OPMP (ACMP) will consolidate requests from the review agencies and send a letter to the applicant to request additional information (RAI). The applicant is given 30 days to respond. Failure to respond may result in the file being closed.

**Application, lease and permit fees:**

ADNR Application Fee.....	\$100 to be included with application
ADNR Lease Fee.....	\$450 up to one acre plus \$125 each additional acre per year due at the time the lease is issued
ADNR Bond.....	\$2500 Bond per farm site (may be increased for facilities) due at the time the lease is issued
ADFG Survey Fee.....	\$2000 Inter-tidal survey fee to Fish and Game at time of and included with the application** \$5000 Sub-tidal survey fee to Fish and Game at time of and included with, the application**

\*\*Actual cost may vary by site, please refer to Part III, pages 3 & 4.

- 3. DNR Preliminary Decision, Public Review and Comment.** Preliminary decisions are made by utilizing information from the applicant, input from state agencies and by following statutory and regulatory requirements. ADNR preliminary decisions include proposed action and preliminary findings and recommended a decision on whether to grant approval or deny the lease based on information provided up to this time. Public meetings or public hearings can be requested by contacting ADNR. The applicant is asked to attend in person or via teleconference to address questions from the public.
- 4. ACMP Consistency Determination.** Concurrent with the review of this application, state agencies, affected coastal districts, and the public will be reviewing your proposal for consistency with Alaska Coastal Management Program (ACMP) statewide standards and, if applicable, individual coastal district enforceable policies. Based on received comments, OPMP (ACMP) will make a "proposed" (preliminary) consistency determination on whether the project meets the Alaska Coastal Management Program (ACMP) statewide standards under 11 AAC 112. OPMP will send a "proposed consistency determination" to an applicant that indicates if standards are met and if not, what alternative measures need to be incorporated for the project to achieve consistency. OPMP's "proposed consistency determination" will also include other participating review agency anticipated stipulations necessary to get authorized under their own regulations.

Within five calendar days, a response to the proposed consistency determination has to be submitted to OPMP (ACMP) by the applicant or the ACMP consistency review file will be closed. If the applicant agrees to incorporate the measures required for consistency, OPMP will then issue an appropriate final consistency determination. If the applicant does not agree with the necessary alternative measures, they may request an elevation of the OPMP determination to the Commissioner of DNR. In some cases, OPMP may terminate a consistency review if a resource agency denies an authorization during the consistency review process. If a site is found inconsistent in the final consistency determination, the review file is closed and the review is terminated.

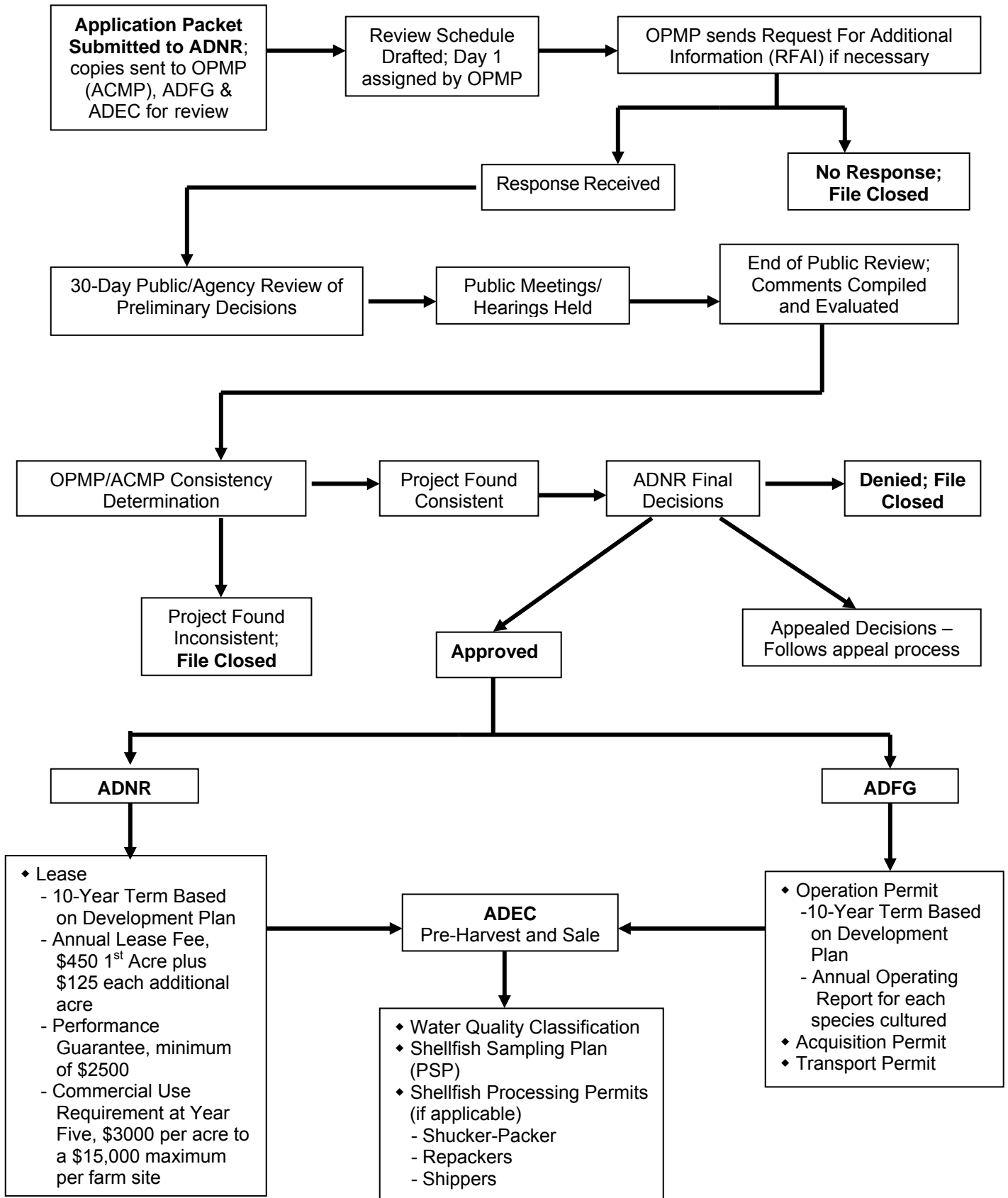
5. **ADF&G Site Survey and Review.** For on-bottom aquatic farm projects, ADFG requires that a site biomass survey be completed to determine whether or not the proposed aquatic farm contains an insignificant population of wild stock shellfish (see Part III, page 3, Authorizations and Attachments for more information). You will be contacted to schedule a site biomass survey for your proposed farm site. Your presence at the survey will be requested.
6. **ADNR Final Finding and Decision.** The ADNR Aquatic Farm Program Manager will prepare a final findings and decision document to grant or deny the lease. It will include participating agency stipulations the applicant is required to adhere to. The final decision will be sent to the applicant and all interested parties with required appeal instructions.
7. **ADFG Final Review and Determination Decision.** The ADFG Mariculture Program Coordinator will prepare a letter to the applicant that will include the findings of the review and determination of the proposed aquatic farm project, the final survey results, and a decision to grant or deny the operation permit. The final decision will be sent to the applicant and all interested parties, and will have 30 days to comment and respond in writing to request ADFG to reconsider the final decision.
8. **ADNR Lease.** The ADNR Aquatic Farm Program Manager will send the lease to the applicant for signature. The applicant must return the signed lease to DNR within 30 days along with required yearly lease fees.
9. **ADFG Operation Permit.** The ADFG Mariculture Program Coordinator will send the operation permit to the applicant.
10. **ADEC Pre-Harvest and Sale Requirements.** ADEC requires a Growing Area Classification, a Shellfish Shipper Permit, and a Harvest permit prior to placing any product into commerce. Without a passing water classification and shellfish sampling plan, none of the shellfish from the farm site can be harvested. Prepare ahead and complete this requirement before you sign the lease and the operation permit. **You also need to obtain a harvester permit or a shellstock shipper permit from ADEC in order to sell an aquatic farm product. DEC requires a fee of \$500 for the initial water classification. If applicable, \$162 for a Shellfish harvest permit, \$162 for the Shellfish Shipper permit, \$649 for a Shellfish Shucker Packer permit, and \$325 for a Shellfish Repacker permit.**
11. **Federal Authorizations.** A number of federal authorizations may also be required for aquatic farm operations. Applicants should confer with the following agencies to determine which federal applications are necessary:
  - United States Army Corps of Engineers (COE) for uses within navigable waterways COE Permits are required for any structures to be used at the proposed farm site such as mooring buoys in navigable waters.
  - United States Forest Service (USFS) for associated upland use within national forests
  - United States Fish and Wildlife Service (USFWS) for wildlife refuges, and fish and wildlife siting restrictions

If your proposal requires a federal authorization, submit copies of the applicable federal applications along with the state Aquatic Farm Application to the Alaska Department of Natural Resources. Authorizations and applications can be found in Part III. Federal contact information can be found on page 10.

Under this program, final decisions can take approximately nine months to complete for a suspended aquatic farm and up to fifteen months for an inter-tidal or on-bottom aquatic farm due to the additional ADFG survey requirement. Farming operations can begin when all necessary authorizations are issued, in most cases between January and March of 2010 for suspended aquatic farm projects and between June and September of 2010 for on- bottom aquatic farm to provide time for the site survey.



# Alaska's Aquatic Farmsite Program Application Review Process



## **B. AQUATIC FARM SITING RESTRICTIONS**

The following ADNR and ADFG farm siting restrictions are offered to assist the applicant in selecting an aquatic farm site that has the **best chance** for approval. The restrictions are not meant to be all inclusive and are in addition to any prohibitions or mitigating requirements that may be included in a district coastal management plan, a state land use plan, municipal or borough land use plans and/or local ordinances or zoning requirements. If your project is located within an area subject to plans/restrictions, **you should consult the appropriate document and/or agency before you submit your application.** A short phone call may alert you to circumstances with a particular site that may not be ideal for locating an aquatic farm. For instance, siting aquatic farm facilities may be more difficult on tidelands designated in an ADNR land management plan for log transfer or storage, anchorage, recreation, and/or settlement. It may be more difficult to site a farm not only because of potential conflicts with existing uses at the site, but also due to water quality degradation from those uses.

If an application is determined to be within an Unacceptable Area, it will be rejected. The responsible resource agency is listed in parentheses after each item.

1. **Seabird Colonies:** No aquatic farms or facilities will be sited within one mile of seabird colonies. (ADFG)
2. **Eagle Nests:** The Bald and Golden Eagle Protection Act (16 U.S.C. 668-668d) prohibits molesting or disturbing bald and golden eagles, their nests, eggs or young. The U.S. Fish and Wildlife service recommends that aquatic farms or facilities be sited at least 330 feet from eagle nest trees to reduce the likelihood of disturbance. (ADFG)
3. **Sea Lion Haul-outs and Rookeries:** No aquatic farms or facilities will be sited within one mile of sea lion haul-outs or 3 miles of rookeries. (NMFS)
4. **Seal Haul-outs and Pupping Areas:** No aquatic farms or facilities will be sited within one mile of seal haul-outs or pupping areas. (NMFS)
5. **Anadromous Fish Streams:** No aquatic farms or facilities will be sited within 300 feet of anadromous fish streams. (ADFG)

Applicants are encouraged to contact resource agencies for current information on species and identifying the location of habitat types that fall in Unacceptable and Sensitive categories. The Catalog of Waters Important to the Spawning, Rearing or Migration of Anadromous Fishes (Anadromous Waters Catalog) and the map atlas to that catalog show documented anadromous fish streams and are available for viewing at all ADFG offices. You may also view this information at the following website: <http://www.sf.adfg.state.ak.us/SARR/FishDistrib/anadcat.cfm>

6. **Sites with Significant Existing Geoduck Biomass Areas:** No aquatic farms or facilities will be sited in areas where the ADFG has determined by conducting a biomass survey that significant geoduck biomass exists. Significant populations are equal to or more than 12,000 lbs of geoducks on a six acre farm site or equal to or more than an average of 2,000 lbs per acre of an aquatic farm site. (ADFG)
7. **Certain Legislatively Designated Special Areas:** No aquatic farms or facilities are allowed within the following legislatively designated areas:
  - State game refuges under AS 16.20.010-080, 5 AAC 95;
  - State critical habitat areas under AS 16.20.500-690, 5 AAC 95;
  - State game sanctuaries under AS 16.20.090-162, 5 AAC 95; and
  - State parks and marine parks under AS 41.21,

Excepting Fox River Flats Critical Habitat Area under AS 16.20.580 and Kachemak Bay Critical Habitat Area under AS 16.20.590, which allow aquatic farms and/or facilities but

limited to suspended culture only, per 5 AAC 95.300.

In addition to the areas listed above, applications will not be accepted in the following areas:

- \* **Peterson Bay, China Poot Bay, Bear Cove, Southcentral Alaska** - Prohibited in ADFG Kachemak Bay & Fox River Flats Special Use Area Critical Habitat Management Plan.
- \* **Day Harbor, Southcentral Alaska** – Prohibited due to an existing seal haul-out area.
- \* **Pt. Couverden, Southeast Alaska** – Area identified in the Northern Southeast Area Plan as recommended for inclusion in the state park system. (Application previously denied by ADNR, Division of Mining, Land & Water; same application was found inconsistent with the standards of the Alaska Coastal Management Program (ACMP) by the Office of Project Management and Permitting)
- \* **Commercial Geoduck Harvest Areas:** No aquatic farms or facilities will be sited in geoduck commercial harvest areas or those areas that have been selected for future commercial geoduck harvests.

### **C. GROWING AREA CLASSIFICATION CRITERIA (ADEC)**

You must obtain a growing area classification and either a harvester permit or a shellstock shipper permit from ADEC in order to sell an aquatic farm product. As stated previously, a shellfish growing area is closed to shellfish harvesting for commercial sales unless the area has been classified by the ADEC. Without an ADEC classification of your farm site area, you cannot sell your product. The ADEC will use the following items to determine whether your growing area can be classified. You should consider these items before completing the aquatic farm application. If you have any questions about the classification process or requirements, you should contact ADEC directly at the number noted below.

1. Commercial fishing or personal use fishing/hunting in the immediate area or close proximity to the growing area may cause conditions that will prevent classification of the growing area. Avoid siting facilities near hatcheries.
2. Areas used by boats for recreation, moorage and anchorage, or in close proximity to a proposed growing area may cause conditions that will prevent classification of the growing area.
3. No airplane or boat fueling should occur at the growing area site.
4. Petroleum products must be used and stored in a manner that prevents spillage or leakage to assure that discharges of petroleum products into adjacent waters do not occur.
5. Facilities should not be sited in areas with waste discharge. Caretaker housing and boats must be a minimum of 300 feet from the boundary of a growing area if sewage is discharged. A sewage disposal system adequate to protect shellfish from contamination will be required for any caretaker facilities associated with an aquatic farm operation.
6. All pets and other animals must be excluded from the growing area structures. Waste from these animals must be prevented from discharging into the growing area.
7. Large wildlife populations in the area and/or the presence of anadromous streams may cause conditions that will affect classification of the growing area by limiting harvest times.
8. An upland area where cabins and homes exist may cause conditions that will prevent classification of the growing area. Note that previously existing facilities may have septic tanks that have been permitted by ADEC with in-water discharge of sewage, which may prevent classification of the growing area. If this condition exists, contact ADEC-Environmental Health for consultation.

For additional information and assistance regarding these health classification guidelines, please contact the ADEC Shellfish Program Coordinator, Division of Environmental Health, at 907-269-7638.

#### **D. SENSITIVE AREAS AS SET FORTH BY THE ADNR, ADFG and ADEC**

Each of the following sensitive areas has a set of concerns that, while not insurmountable, must be considered when choosing an aquatic farm site. Applicants who apply in one or more of these sensitive areas should contact the responsible resource agency to determine what issues must be addressed in their application. The applicant must then address the applicable sensitive issue to demonstrate that the proposed farm is feasible and can be sited in the area without significant impact.

1. **Herring Spawning Areas** (ADFG)
2. **Shorebird Concentration Areas** (ADFG)
3. **Waterfowl Concentration Areas** (ADFG)
4. **Sea Otter Concentration Areas** (ADFG)
5. **Shallow Areas - Less Than 40 Feet at MLW** (mean low water) utilizing suspended culture - certain shallow areas serve as nursery areas for fish, shellfish or aquatic plants (ADFG)
6. **Poor Current Circulation Areas** - currents may be too weak to disperse biological wastes (ADEC)
7. **Kelp and Eelgrass Beds** (ADFG)
8. **Black and Brown Bear Concentration Areas and Travel Corridors** (ADFG)
9. **Subsistence Harvest Areas** (ADFG)
10. **Recreational or Personal Use Harvest Areas** within or adjacent to:
  - Intensively used non-commercial hunting and fishing areas
  - Intensively used non-commercial harvest areas for fish and shellfish (ADFG)
11. **Commercial Harvest Areas** within or adjacent to:
  - Intensive commercial fish harvest areas
  - Purse seine hook offs (ADFG)
12. **Heavily Used Anchorages** of local or regional importance (ADFG, Sport Fisheries Division; ADNR, Mining, Land and Water Division – management plans, and/or the applicable U.S. Coast Pilot)
13. **Floatplane Access Areas** (ADEC; ADNR)
14. **Oiled Areas** as depicted on maps as lightly, moderately or heavily oiled in Southcentral coastal waters from the 1989 oil spill (Alaska Resources Library and Information Services - ARLIS)

Upland management intent of parcels subject to Exxon-Valdez Oil Spill Purchase Agreements and/or federal conservation units such as national parks, forests, and wildlife refuges, adjacent to state tide and submerged land, will be considered when processing an application for aquatic farming, in accordance with 11 AAC 63.050(b)(4). The ADNR will consult with the upland manager when determining compatibility of activities.

Prince William Sound applicants are cautioned that the issuance of state authorizations will not guarantee that aquatic farms can operate free of impact from the 1989 Exxon-Valdez oil spill. The state makes no warranty, expressed or implied, nor assumes any liability, whatsoever, regarding the environmental quality of the proposed site. This includes, without limitation, the presence of hydrocarbons now or in the future, the capability of the shellfish growing site, the product to be free from the effects of the 1989 oil spill, and/or meeting the requirements under the National Shellfish Sanitation Program. If you have questions regarding a specific area, please contact the Pipeline Corridor Regional Office at 907-271-4336 for assistance or you may visit the Exxon Valdez Oil Spill Trustee Council's website at: <http://www.evostc.state.ak.us/>

15. **Hatchery Harvest Areas:** Aquatic farms or facilities sited within Special Harvest Areas (SHA) or Terminal Harvest Areas (THA) must have the approval of the hatchery operator/manager. Applications for sites within SHAs and THAs will be rejected unless the applicant requests, and receives, written

permission from the Private Non-Profit (PNP) hatchery operator and the major fishing group(s) using the area. (ADFG)

## **E. AREAS WHERE PREVIOUS APPLICATIONS HAVE BEEN DENIED**

Applications were received during previous openings in the following locations and denied due to land use conflicts. If you wish to apply in any of the following areas you are encouraged to contact the responsible agency to determine what issues need to be addressed in your application. The reasons for application denial are included for each site.

### **Southeast Alaska**

- **Dunbar Inlet, Sukkwan Island** - Project found inconsistent with ACMP. Conflicts found with: existing subsistence use of clams; designation of Area Meriting Special Attention in the Hydaburg Coastal Management Plan; and the Southwest Prince of Wales Island Area Plan; and the proximity to anadromous streams in the area. (ADFG/ADNR/ACMP)
- **William Henry Bay** - Conflicts found with the heavily used anchorage at the project location; site identified by ADFG for salmon release; state selection of the area to be used for the purposes of community expansion and a possible state ferry terminal site. (ADNR/ADFG)
- **Stedman Cove** - Area found to be at capacity with one existing suspended culture farm site. (ADNR)
- **Idaho Inlet** - Project found inconsistent with ACMP. Conflicts found with clam harvest from Elfin Cove residents; previous applicants required upland facilities – USFS denied upland Special Area Permit. Applicants did not provide an adequate development plan with their application. (ADNR/ACMP)
- **North Bight, Neka Bay** - Conflicts found with existing subsistence uses and traditional uses of recreation, hunting, and safe anchorage. (ADNR/ADFG)
- **Van Sant Cove** - Conflicts found with existing uses of clam harvest (application was for on-bottom culture only). (ADFG/ADNR)
- **Clam Cove** - Conflicts found with existing uses of clam harvest (on-bottom culture only). (ADNR/ADFG)
- **Port Santa Cruz** – Application from 1999 opening was found incompatible with traditional and existing uses of Aguada Cove as an anchorage; no mitigation measures were identified that would make the proposal compatible. (Application for on-bottom farming of geoduck denied by the ADNR, Division of Mining, Land & Water; decision appealed to Commissioner of ADNR – Commissioner upheld the original decision). (ADNR)
- **Coffman Cove** - Conflicts with gear and gillnet commercial fishery use and anchorage (2005 application for on-bottom culture only). (ADNR/ADFG)
- **South McHenry** - Conflicts with existing sea cucumber commercial fishery use and seal haul-outs (2005 application for on-bottom culture only). (ADNR/ADFG)
- **Ruth** - Conflicts with existing geoduck commercial dive fishery use (2005 application for on-bottom culture only). (ADNR/ADFG)
- **Onslow Island** - Conflicts with geoduck commercial dive fishery (2005 application for on-bottom culture only). (ADNR/ADFG)
- **North McHenry** - Conflicts with existing sea cucumber commercial dive fishery, anchorage and seal haul out (2005 application for on-bottom culture only). (ADNR/ADFG)
- **South Etolin** - Conflicts with existing geoduck commercial dive fishery use (2005 application for on-bottom culture only). (ADNR/ADFG)
- **Mosman Burnett** - Conflicts with anchorage and seal haul out (2005 application for on-bottom culture only). (ADNR/ADFG)
- **Kassan** - Inclusion within state park (2005 application for on-bottom culture only). (DNR/ADFG)
- **Hessa Island** - Conflicts with anchorages and existing geoduck commercial dive fishery use

- (2005 application for on-bottom culture only). (ADNR/ADFG)
- **Deer Island** - Conflicts with anchorages and sea lion haul outs (2005 application for on-bottom culture only). (ADNR/ADFG)
- **Coronation Island** - Conflicts with anchorages and sea lion haul outs (2005 application for on-bottom culture only). (ADNR/ADFG)
- **Corner Bay** - Conflicts with anchorages and seal haul outs (2005 application for on-bottom culture only). (ADNR/ADFG).
- **Kasiana Island/Sitka Sound** - Conflicts with herring subsistence fishery use (2005 application for on-bottom culture only). (ADNR/ADFG)
- **Hayward Strait/Eastern Channel** - Conflicts with existing sea cucumber commercial fishery use (2005 application for on-bottom culture only). (ADNR/ADFG)

### **Southcentral Alaska**

- **Paradise Cove** – Area identified from 2001 application process to be limited in anchorage capacity for smaller recreational vessels. (Application for suspended farming of oysters denied by the ADNR.) (ADNR)

Upland management intent of parcels subject to Exxon-Valdez Oil Spill Purchase Agreements and/or federal conservation units such as national parks, forests, and wildlife refuges, adjacent to state tide and submerged land, will be considered when processing an application for aquatic farming, in accordance with 11 AAC 63.050(b)(4). The ADNR will consult with the upland manager when determining compatibility of activities.

**Table 1: AQUATIC FARM AGENCY CONTACTS**

<b>State Agency</b>	<b>Permit type</b>	<b>Contact information</b>
ADNR: Division of Mining, Land & Water (DMLW)	Aquatic Farm Lease	John Thiede - 907-269-8543 john.thiede@alaska.gov www.dnr.state.ak.us/mlw/aquatic/index.htm
ADNR: Office of Project Management (OPM) - Coastal/Oceans MGMT	ACMP Coastal Consistency Determination	Southeast: Erin Allee - 907-465-8790 erin.allee@alaska.gov www.alaskacoast.state.ak.us South central: Tom Atkinson - 907-269-7468 tom.atkinson@hnr.state.ak.us www.alaskacoast.state.ak.us
ADFG: Commercial Fisheries	Aquatic Farm & Hatchery Operation Permit; Shellfish or Aquatic Plant Transport Permit; Aquatic Stock Acquisition Permit; Surveys	Cynthia Pring-Ham - 907-465-6150 Cynthia.pring-ham@alaska.gov www.cf.adfg.state.ak.us/geninfo/enhance/maricult/maricult.htm
ADFG: Sport Fish Division	Special Area Permit: (specific to Kachemak Bay & Fox River Flats Critical Habitat Mgt Areas)	Mark Fink - 907-267-2338 Mark.fink@alaska.gov www.sf.adfg.state.ak.us/SARR/SpecialAreas/sapermit.cfm
ADEC: Division of Environmental Health	Water Quality Classification	George Scanlan - 907-269-7638 George.scanlan@alaska.gov http://www.dec.state.ak.us/eh/

<b>Federal Agency</b>	<b>Contact Information</b>	
U.S. Army Corps of Engineers (COE)	Southeast and Prince William Sound: Southcentral and Kachemak Bay:	John Leeds – 907-753-2712 John.C.Leeds@poa02.usace.army.mil Jack Hewitt – 907-753-2708 Jack.J.Hewitt@poa02.usace.army.mil www.poa.usace.army.mil/hm.default.htm
U.S.D.A. Forest Service	Chugach National Forest: Tongass National Forest:	907-743-9500 www.fs.fed.us/r10/chugach 907-225-3101 www.fs.fed.us/r10/tongass
U.S. Fish & Wildlife Service (USFWS)	Ecological Services: Southeast Southcentral Refuge Operations:	www.r7.fws.gov 907-586-7240 800-272-4174 907-786-3354 http://refuges.fws.gov

	Subsistence Management:	800-478-1456 http://alaska.fws.gov/asm/index.htm
National Marine Fisheries Service (NMFS)	www.nmfs.noaa.gov	907-586-7221