

# Mariculture in Alaska

## The Department of Natural Resource's Perspective

Guyla McGrady  
Aquatic Farm Program Manager

3/29/05

1

---

---

---

---

---

---

---

---

## Alaska's Aquatic Farm Program

- Brief History
- DNR's Role
  - Landowner and Manager
- Implementing Authorities
  - Alaska Constitution
  - Alaska Statutes Title 38
  - Alaska Administrative Code Title 11, Chapter 63
  - (subject to) Public Trust Doctrine
- Guidance Documents
  - Department & Local Management Plans
  - Local Coastal District Plans (Alaska Coastal Management Program)
  - Adjacent Upland Owner Management Plans

3/29/05

2

---

---

---

---

---

---

---

---

## Siting Considerations

- Land Ownership
- Management Goals and Objectives
  - Subject to the Public Trust Doctrine
- Local Coastal District Plans
  - Alaska Coastal Management Program (ACMP)
- Application Siting Guidelines
- What We've Learned

3/29/05

3

---

---

---

---

---

---

---

---

## Application and Review Process

- Application Openings
  - January through April every other year
  - Next opening scheduled in 2005
- Multi-Agency Application, includes:
  - Department of Natural Resources
  - Department of Fish and Game
  - Department of Environmental Conservation
  - Office of Project Management & Permitting
    - Consistency w/ Alaska Coastal Management Program

3/29/05

4

---

---

---

---

---

---

---

---

## Application and Review Process (continued)

- Combined Review
  - Public
  - Agency
  - Alaska Coastal Management Program
- Review Documents
  - Preliminary Best Interest Finding (Preliminary Decision)
  - Final Best Interest Finding (Final Decision); appeal rights only to those who commented on the preliminary decisions during the review period

3/29/05

5

---

---

---

---

---

---

---

---

## Required Authorizations

- DNR's Aquatic Farmsite Lease
  - 10-year term, renewable upon approved application
  - Annual lease fee, \$350 for 1<sup>st</sup> acre - \$150 for each additional acre
  - Performance guarantee, \$2500 minimum
  - Commercial use requirement at year five of the lease, \$3000 in sales per acre up to a maximum of \$15,000 per farm site

3/29/05

6

---

---

---

---

---

---

---

---

## Required Authorizations (continued)

- Department of Fish and Game
  - Operation Permit
  - Transport Permit
  - Acquisition Permit
- Department of Environmental Conservation
  - Water Quality Classification
  - Shellfish Sampling Plan for Paralytic Shellfish Poisoning (PSP)
  - Shellfish Processing Permits
    - Shucker-Packers
    - Repackers
    - Shippers

3/29/05

7

---

---

---

---

---

---

---

---

## Required Authorizations (continued)

- Army Corps of Engineers
  - General/Individual Permit No. 91-7N
  - Nationwide Permit No. 4

3/29/05

8

---

---

---

---

---

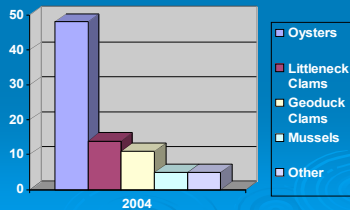
---

---

---

## Current Authorized Farmsites

- Total Farmsites, Location, and Acreage
  - Total farmsites statewide – 63 (261 acres)
    - Southcentral – 31 (131 acres)
    - Southeast – 30 (129 acres)



3/29/05

9

---

---

---

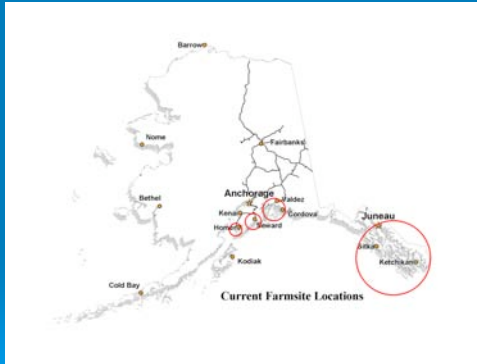
---

---

---

---

---



3/29/05

10

---

---

---

---

---

---

---

---

## Alaska Statewide Production in Sales

Year	Number of Farms	Oyster Sales	Clam Sales	Mussel Sales	Other Sales*	Total Sales
1996	43	\$285,778	\$43,796	\$16,537	\$2,200	\$348,311
1997	48	\$299,437	\$93,869	\$13,366	\$0	\$406,672
1998	43	\$381,578	\$89,002	\$12,537	\$416	\$483,534
1999	42	\$368,586	\$124,054	\$11,586	\$0	\$504,226
2000	43	\$310,214	\$120,636	\$7,014	\$1,256	\$439,120
2001	52	\$280,052	\$105,071	\$4,636	\$1,767	\$391,526
2002	63	\$400,192	\$115,038	\$5,419	\$2,411	\$523,060
2003	61	\$470,955	148,924	\$4,484	\$210	\$624,574

\* Between 1996 and 2003, "other" include d scallops, seaweed, and sea cucumbers.

3/29/05

11

---

---

---

---

---

---

---

---

## Available Farmsites and Further Information

- Over-the-Counter Program
  - Sites available from the HB 208 Process
  
- Further Program Information
  - State of Alaska Website:
    - [www.state.ak.us](http://www.state.ak.us)
  - DNR's Aquatic Farmsite Program Website:
    - [www.dnr.state.ak.us/mlw/aquatic/](http://www.dnr.state.ak.us/mlw/aquatic/)

3/29/05

12

---

---

---

---

---

---

---

---

### Typical Longline Operations for Suspended Culture of Oysters



3/29/05

13

---

---

---

---

---

---

---

---

### Typical Raft-Style Operations for Suspended Culture of Oysters



3/29/05

14

---

---

---

---

---

---

---

---

### Intertidal Geoduck Site



3/29/05

15

---

---

---

---

---

---

---

---

## Happy Alaskan Growers



---

---

---

---

---

---

---

---

## Benefits of Working in this Program



---

---

---

---

---

---

---

---