



STATE OF ALASKA

APPLICATION FOR AQUATIC FARM PERMITS
GENERAL INSTRUCTIONS

1. Answer ALL questions using the blanks provided or additional pages.
2. If additional space is needed, mark the additional pages with the corresponding number in the application.
3. Type or print answers **clearly in ink**.
4. The applicant or an authorized representative must sign the application.
5. Submit the **original application including the Environmental Risk Questionnaire, Coastal Project Questionnaire, a copy of the Corps of Engineers GP 91-7 Applicability Certification or application and the filing fee of \$50.00** to the Department of Natural Resources.

DNR

Southcentral Region
3601 C Street

Mailing Address:
Public Information Center
PO BOX 107005
ANCHORAGE ALASKA 99510-7005

6. PLEASE NOTE: The aquatic farm review period is for one specific project. If you change any of the following you may need to submit a new application during a subsequent opening. Contact DNR for further information.
7. A separate application must be submitted for each site. Alternate sites cannot be submitted on the same application.

- A. The species to be grown
- B. The size or design of your operation
- C. The location of your operation

Aquatic Farm District: _____

*** SUBMIT ONLY YOUR ORIGINAL SIGNED APPLICATION. A FAX OR XEROX WILL NOT BE ACCEPTED.**

<p align="center">STATE OF ALASKA 1993 APPLICATION AQUATIC FARM PERMITS SHELLFISH & AQUATIC PLANTS</p>

A. APPLICANT INFORMATION

DBA
(Doing Business As)

1. Name _____

Mailing Address _____

City _____ State _____ Zip Code _____

Phone _____ Fax # _____

2. Contact (to accept mail/phone call in your absence) _____

Business Address _____

City _____ State _____ Zip Code _____

Phone _____ Fax # _____

3. Authorized Agent, if applicable (Include a notarized authority) _____

Address _____

City _____ State _____ Zip Code _____

Phone _____ Fax # _____

B. GENERAL INFORMATION

Complete the following questions related to your proposal:

1. What species do you intend to farm? (e.g. Pacific Oysters, Weathervane scallops, Macrocystis Kelp, etc.)

2. What gear type do you propose to use for each species? (e.g. Laminaria - long lines, Pacific Oysters - mexican trays, etc.)
*** This must correspond with your development plans and all drawings**

Species: _____ Gear Type: _____ Length: _____ #: _____

Species: _____ Gear Type: _____ Length: _____ #: _____

Species: _____ Gear Type: _____ Length: _____ #: _____

Species: _____ Gear Type: _____ Length: _____ #: _____

3. Are you proposing a:
a. hardening area? Y N Size: _____ b. floating workraft? Y N Size: _____

4. Number of state land acres applied for: Uplands _____ Tide/submerged land (including hardening/defouling area) _____
(* Number of acres must correspond with your farmsite diagram/map)

- Housing on state owned uplands can only be approved if site development requires daily attention at the time housing begins, if personnel cannot reasonably commute by road or boat, and no suitable private lands are available for rent or sale (see 11 AAC 63 040(a)).

Does your proposal include caretaker housing or support facilities on:

State uplands or water _____; Federal uplands _____; private uplands _____? If any of your proposed facilities will be on private uplands, please provide the upland owners name _____

If you have answered yes to any caretaker housing or support facilities, please describe all facilities (e.g. size, purpose, etc)

If you are unable to acquire the land to build or install the facilities you need, is your farm's operation plan still feasible? Yes___ No___ If it is, please describe your alternate operation plan: _____

- Do you currently own or lease upland property adjacent to, or near the proposed farm site? Yes___ No___
Are you applying for a preference right under 11 AAC 63.040(f) (This refers to upland owners) Yes___ No___
Do you agree to contain your aquatic farm support facilities (storage, dwellings, etc.) on these privately owned or leased lands? Yes___ No___

If yes, attach a copy of the ownership deed or lease agreement.

- In order to process your application, we need to know who owns the adjacent lands. Please provide the names and addresses of the land owners whose property borders your proposed site. **Check Borough Property Tax Records or state or federal land records.**

UPLAND OWNER(S)

ADDRESS

_____	_____
_____	_____
_____	_____
_____	_____

C. PROJECT LOCATION

- Will any project facilities (cabins, storage sheds, etc.) occupy any uplands? Yes___ No___ If YES, please describe the facility(ies): _____

Who owns the uplands? (Check Borough Tax Records or state/federal land records)

*State Land ___ Federal Land ___ Private Land ___ Municipal Land ___

- Attach a copy or original of that part of the **nautical chart and USGS map** that shows the proposed site location. Clearly indicate the site boundaries of your aquatic farm and **write the chart reference number or USGS quadrangle name** on the copy. Latitude and longitude coordinates must be visible on the copy.
- What is the Township _____ Range _____ Meridian ___ Section(s) _____ Longitude _____ Latitude _____
(This information can be obtained from the USGS Quadrangle map scale 1:63,360 and the Nautical Chart)

*The State of Alaska owns most submerged lands below Mean High Water.

D. FARM DEVELOPMENT AND OPERATING PLAN

1. List pertinent experience and expertise of persons that will be working on this project. Include a staffing plan if appropriate. (Use additional pages as necessary.)

NAME	ANTICIPATED DUTIES	EXPERIENCE
_____	_____	_____
_____	_____	_____
_____	_____	_____

2. Describe your operating plan for this project. Include how you propose to access the site (transportation means, route and frequency); housing for personnel while working at the site; storage of gear and equipment when not in use; how you will conduct winter operations; harvesting of product (means, methods, and frequency); where you will hold your product prior to sale; how you will transport your product to point of sale. Additional information you consider pertinent to your operating plan should be included. Use additional sheets of paper as necessary.

3. An Aquatic Farm Development Plan form is attached to this application. You must fill out one of these plans for each species being proposed. As an aid, a completed sample form is also included in this packet.

E. SITE PLAN & PHYSICAL DESCRIPTION

*** THE FOLLOWING INFORMATION MUST BE INCLUDED. YOUR APPLICATION WILL BE REJECTED IF ANY OF THE INFORMATION IS NOT INCLUDED.**

Four types of drawings are required to make your application complete. All drawings must be on 8½" x 11" paper. Drawings prepared for the Corps of Engineers for Items 1, 2, and 3 are acceptable as long as they include the following:

Vicinity Map

Please check off each number as you complete each map.

- 1. U.S.G.S. location map. **Map Name:** _____ (e.g. Seldovia B-4)
Please use a 1" = one mile (1:63,360) U.S.G.S. map and **indicate the location of your proposed farmsite.**
- 2. Nautical Chart # _____ **Indicate the location of your proposed farmsite.**

Site Plan

- 3. Provide a **Site Plan** drawn to scale which shows the layout, location, and dimensions of the following items within your proposed farm boundary. A Sample Site Plan is provided for reference.
 - a. **Indicate the boundaries** of the farm area for all proposed uses of tide/submerged lands and uplands. (all anchors **must be inside your boundary lines**). Indicate, in feet, the distances of each boundary line - multiply the distances out 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 separated from the primary boundaries.
 - b. The rafts or other production facilities to be employed.

- ___ c. Anchoring systems and shoreties.
- ___ d. Docks, upland dwellings, floating structures, caretaker facilities.
- ___ e. Wastewater disposal systems, including both sewage and greywater discharge points (grey-water means domestic wastewater from laundry, kitchen, etc., which does not contain human waste).
- ___ f. The location of waters, including any drinking water wells or other drinking water system sources, fresh water(s), and salt water, within 200 feet of the proposed wastewater disposal system.
- ___ g. Solid waste storage and disposal sites (note: you are encouraged to use existing permitted sites for the disposal of solid wastes).
- ___ h. Roads or airstrips.
- ___ i. Other upland or tideland facilities at the site associated with the farming operation.
- ___ j. Fuel and chemical storage.
- ___ k. Properties referenced in Section B.7. (adjacent property owners)
- ___ l. On the site plan, draw lines and identify the tide level at the following stages:
 - Mean Lower Low Water (MLLW)
 - Mean Higher High Water (MHHW)
 - Mean High Water (MHW)
 - Representative water depths inside the farm boundaries
- ___ m. On the site plan, diagram the prevailing direction of the surface water flows at the ebb (outgoing) and flood (incoming) tides.

Cross-Sectional Diagram

- ___ 4. Provide a **Cross-sectional Diagram** (side view) of the culture facilities, and identify the construction materials. Be sure to give the dimensions of all facilities. The facilities you propose to use for each species to be cultured must be included. More than one diagram may be required. Sample cross-sectional diagrams are provided for your reference.

Detailed Drawing

- ___ 5. Provide a **Detailed Drawing** (to scale with dimensions) of all facilities on your site plan showing their placement, construction materials, anchoring systems, and shoreties. (More than one drawing may be required) The total area must correspond to the total number of acres you are applying for. The acreage of your farmsite must equal your acreage request in B.4.

Site Information

- ___ 6. What is the maximum surface tidal current speed at ebb tide? ___ At flood tide: ___ Did you estimate or measure the speed? ___ What is the maximum tidal range at the site? ___
- ___ 7. What is the least water depth at the culture gear site at MLLW? ___

F. SITE SUITABILITY

1. Physical and Biological Characteristics

- a. Provide any information you may have regarding water exchange, water temperatures, salinity, and turbidity/sedimentation at the site. Include the dates (and stage of tide, if available) the data were recorded.

- b. Describe the bottom composition at the site. (sand, mud, rock, gravel, eelgrass)

- c. Describe winter conditions at the site (water temperatures, icing, storms, etc.).

d. Do anadromous fish (e.g. salmon) use any streams in the area for spawning? Yes ___ No ___
If yes, indicate which streams are used and label them as such on the site plan.

e. Is the target species naturally present in the area? Yes ___ No ___ If yes, describe distribution and abundance.

f. Describe measures you would propose to control predation by marine mammals, seabirds, or other potential predators.

g. Indicate which of the above responses in Section F are based upon on-site investigations by circling the corresponding letter: a, b, c, d, e.

G. WATER QUALITY

Note to Applicant: Sewage or industrial discharge(s) may accumulate in or 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 DEC, the department has developed the following requirements for those aquatic 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 34.170). 2) No sewage discharge will be allowed within 300 feet from the boundary of an approved growing area (the boundary encompasses the entire growing area). 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. The DEC will require a waste discharge permit and system plan review for all sewage discharges. Additional information may be required by the DEC depending on the type and complexity of wastewater system proposed. After review of application materials, the DEC may decide it is not necessary to issue a waste discharge permit for facilities generating very small daily volumes of sewage and greywater.

1. Wastewater Discharge and System Plan Review

- a. Is there a floathome, dwelling or upland caretaker's facility proposed for the site? Yes ___ No ___
- b. Will wastewater be discharged from any of these facilities? Yes ___ No ___
If yes, please provide the following information.
- ▶ What are the daily maximum and average discharge volumes? Maximum ___ Average ___

PLEASE SUBMIT THE FOLLOWING INFORMATION ON SEPARATE PAGES

(Contact the Department of Environmental Conservation to determine submittal requirements for your specific proposal.)

- ▶ 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.)
- ▶ A description of proposed and existing wastewater treatment works, disposal systems, or sewers.
- ▶ 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, please indicate the type of marine sanitation device.

3. Were there any sources of past pollution at the site, such as shore based seafood processor, industrial facility, oil spill contamination, or a town or village? Yes ____ No ____
If you answered yes to the above, identify:

▶ The type of previous use (e.g. mine, village, seafood processor, oil spill) _____

▶ The last known date of use _____

▶ The 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, oil contamination, industrial transfer facilities or upland operations, boat harbors, etc.) Yes ____ No ____
If yes, please describe:

▶ The type of discharge(s) _____

▶ The location and distance from your site _____

▶ 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, please describe the planned development.

H. CURRENT LAND USE

What are the other human uses at the project site and in the surrounding area such as commercial development, mining, timber harvest or transfer, sheltered anchorage, subsistence, recreation, hunting, commercial fishing, sport fishing, or residential use, etc? Describe how existing uses will affect your project.

Describe how your project may affect existing uses.

AQUATIC FARM APPLICATION CHECKLIST

Have you completed a(n)

- _____ Aquatic Farm Application?
- _____ Corps of Engineer Application?
- _____ Site Plan Drawing?
- _____ Detailed Drawing of all Facilities?
- _____ Check or money order for the \$50 Filing Fee?
- _____ Costal Project Questionnaire?
- _____ Vicinity Map of your site?
- _____ Cross-Sectional Diagram?
- _____ USGS Map and Nautical Chart?
- _____ The appropriate application for any Upland Facility Use?

*** THE ORIGINAL MUST BE SIGNED AND PHYSICALLY PRESENT IN THE DNR OFFICE BY APRIL 30, 1992.**

CERTIFICATION STATEMENT

The information contained herein is true and complete to the best of my knowledge. I understand that I must separately apply for and hold a Transport Permit from the Department of Fish and Game in order to hold, transport, and raise shellfish or aquatic plants, and a Growing Area Certification and a Harvesters Permit from the Department of Environmental Conservation in order to sell my product.

Signature of Applicant or *Agent

Date

* An Agent signature requires a notarized authorization from the applicant. The following may be used.

SPECIAL NOTARIZED AUTHORIZATION FOR AN AQUATIC FARMSITE AGENT

I, _____ DBA _____, do hereby appoint
(Name of Aquatic Farmsite Applicant)

_____, as my true and lawful agent, and in my name and stead, and for my use and benefit, to
(Name of Agent)
submit a State of Alaska Aquatic Farm Application, any additional information requested by state agencies including DEC, DGC and F&G, and an aquatic farmsite permit and bond in my behalf therein.

This power shall remain in effect until actual notice of its revocation, in writing and with formal acknowledgement, is received by the Alaska Department of Natural Resources, PO Box 107005, Anchorage, Alaska 99510-7005.

(Signature of Applicant)

(Date)

STATE OF ALASKA)
)ss.
_____ Judicial District

THIS IS TO CERTIFY that on this _____ day of _____, 19_____, before me, the undersigned, personally appeared _____ to me known to be the person described in and who executed the within and foregoing instrument, and acknowledged to me that the said instrument was signed and sealed as a free and voluntary act for the uses and purposes therein mentioned.

Notary Public

My Commission Expires: _____

AQUATIC FARM DEVELOPMENT PLAN

APPLICANT NAME Oscar O. Farmer

SPECIES Pacific oyster

YEAR ONE - 1992

YEAR TWO - 1993

YEAR THREE - 1994

ACTIVITY (see ** below)	QTR1 (*)	QTR2	QTR3	QTR4	QTR1	QTR2	QTR3	QTR4	QTR1	QTR2	QTR3	QTR4
ACQUIRE SEED STOCK			100000			100000				100000	100000	
NUMBER												
TYPE/LIFESPAN			spat, 10mm			spat, 10mm				spat, 10mm	spat, 10mm	
SOURCE (see **** below)			Kuiper Marie			Westcott Bay				Westcott Bay	Kuiper Marie	
INSTALL SUPPORT FACILITIES			mooring system, floathouse, fuel storage	Workfloat, Upland storage building	Sorting and cleaning float				No new facilities anticipated	->		
Examples: dock, floathouse, storage facilities, upland cabin, etc. (must correspond to farm plan drawings)												
INSTALL PRODUCTION FACILITY EQUIPMENT			Longline	Longline		Longline	Hardening rack frames			Longline	Longline	
type (description) Examples:rafts, long lines, racks, and other major equipment (must correspond to farm plan drawings)												
else (dimensions)			100ft	100ft		100ft	3'x3'			100ft	100ft	
how many?			one (new)	one (new)		two (new)	25 (new)			one (new)	one (new)	
CULTURE GEAR			Lantern nets 2ft diam. 10-tier	Lantern nets 2ft diam. 10-tier		Lantern nets 2ft diam. 10-tier	Rack bags 3'x3'			Lantern nets 2ft diam. 10-tier	Lantern nets 2ft diam. 10-tier	
type/else Examples:lantern nets, trays, suspended lines, etc.												
number			25 (new)	25 (new)		50 (new)	100 (new)			25 (new)	25 (new)	
stocking density (see *** below)			4000/net 400/layer	2000/net 200/layer	300 mort.->	700/net 70/layer	200/bag (market size)			4000/net 400/layer	4000/net 400/layer	
DEC FSP SURVEYS			X	X	X	X	X			X		
DEC GROWING AREA CERT.									(assume 400	mort. to	marketable	product)
PRODUCT AVAILABLE FOR SALE (number, lbs, etc.)									5000 each	5000 each	45000 each	5000
ADF&G ANNUAL REPORT DUE				X					X			X

* Quarter 1 begins January 1, Quarter 2 begins April 1, Quarter 3 begins July 1, Quarter 4 begins October 1 -- THE YEAR PERMITS ARE ISSUED IN YEAR ONE --

** To provide more detail, attach separate sheets. Reference ACTIVITY, year and quarter numerically

*** Stocking density should be in number of animals/square foot, cubic foot, linear foot, etc. as applicable to gear type

**** If you plan to capture wild stock, you must identify the location of the proposed source

A SEPARATE DEVELOPMENT PLAN IS REQUIRED FOR EACH SPECIES YOU PROPOSE FOR YOUR FARM.

(Example: You plan to raise Pacific oysters, blue mussels, pink scallops and spiny scallops. Four development plans are required)

If you need assistance or have questions regarding your development plan, please call Jim Cochran, ADF&G, FRED DIVISION at 465-4160

AQUATIC FARM DEVELOPMENT PLAN

APPLICANT NAME _____

SPECIES _____

YEAR ONE -

YEAR TWO -

YEAR THREE -

ACTIVITY (see ** below)	QTR1 (*)	QTR2	QTR3	QTR4	QTR1	QTR2	QTR3	QTR4	QTR1	QTR2	QTR3	QTR4
ACQUIRE SEED STOCK												
WORKS												
SITE/LIFESTYLE												
SOURCE (see *** below)												
INSTALL SUPPORT FACILITIES												
Examples: dock, floathouse, storage facilities, upland cabin, etc. (must correspond to farm plan drawings)												
INSTALL PRODUCTION FACILITY EQUIPMENT												
type (description) Examples: rafts, long lines, racks, and other major equipment (must correspond to farm plan drawings)												
size (dimensions)												
how many?												
CULTURE GEAR												
type/size Examples: lantern nets, trays, suspended lines, etc.												
number												
stocking density (see *** below)												
DEC PSP SURVEYS												
DEC GROWING AREA CERT.												
PRODUCT AVAILABLE FOR SALE (number, lbs, etc.)												
ADF&G ANNUAL REPORT DUE				X				X				X

* Quarter 1 begins January 1, Quarter 2 begins April 1, Quarter 3 begins July 1, Quarter 4 begins October 1 -- THE YEAR PERMITS ARE ISSUED IS YEAR ONE --

** To provide more detail, attach separate sheets. Reference ACTIVITY, year and quarter numerically

*** Stocking density should be in number of animals/square foot, cubic foot, linear foot, etc. as applicable to gear type

**** If you plan to capture wild stock, you must identify the location of the proposed source

A SEPARATE DEVELOPMENT PLAN IS REQUIRED FOR EACH SPECIES YOU PROPOSE FOR YOUR FARM.

(Example: You plan to raise Pacific oysters, blue mussels, pink scallops and spiny scallops. Four development plans are required)

If you need assistance or have questions regarding your development plan, please call Jim Cochran, ADF&G, FRED DIVISION at 465-4160

AQUATIC FARM DEVELOPMENT PLAN

APPLICANT NAME _____

SPECIES _____

YEAR ONE -

YEAR TWO -

YEAR THREE -

ACTIVITY (see ** below)	QTR1 (*)	QTR2	QTR3	QTR4	QTR1	QTR2	QTR3	QTR4	QTR1	QTR2	QTR3	QTR4
ACQUIRE SEED STOCK												
NUMBER												
SIZE/LIFESPAN												
SOURCE (see *** below)												
INSTALL SUPPORT FACILITIES												
Examples: dock, fleshhouse, storage facilities, upland cabin, etc. (must correspond to farm plan drawings)												
INSTALL PRODUCTION FACILITY EQUIPMENT												
type (description) Examples: rafts, long lines, racks, and other major equipment (must correspond to farm plan drawings)												
size (dimensions)												
how many												
CULTURE GEAR												
type/size Examples: lantern nets, trays, suspended lines, etc.												
number												
stocking density (see *** below)												
DEC FSP SURVEYS												
DEC GROWING AREA CERT.												
PRODUCT AVAILABLE FOR SALE (number, lbs, etc.)												
ADF&G ANNUAL REPORT DUE												

* Quarter 1 begins January 1, Quarter 2 begins April 1, Quarter 3 begins July 1, Quarter 4 begins October 1 -- THE YEAR PERMITS ARE ISSUED IS YEAR ONE --

** To provide more detail, attach separate sheets. Reference ACTIVITY, year and quarter numerically
 *** stocking density should be in number of animals/square foot, cubic foot, linear foot, etc. as applicable to gear type
 **** If you plan to capture wild stock, you must identify the location of the proposed source

A SEPARATE DEVELOPMENT PLAN IS REQUIRED FOR EACH SPECIES YOU PROPOSE FOR YOUR FARM.

(Example: You plan to raise Pacific oysters, blue mussels, pink scallops and spiny scallops. Four development plans are required)
 If you need assistance or have questions regarding your development plan, please call Jim Cochran, ADF&G, FRED DIVISION at 465-4160

AQUATIC FARM DEVELOPMENT PLAN

APPLICANT NAME _____

SPECIES _____

YEAR ONE -

YEAR TWO -

YEAR THREE -

ACTIVITY (see ** below)	QTR1 (*)	QTR2	QTR3	QTR4	QTR1	QTR2	QTR3	QTR4	QTR1	QTR2	QTR3	QTR4
ACQUIRE SEED STOCK												
NUMBER												
SIZE/LIFESTAGE												
SOURCE (see *** below)												
INSTALL SUPPORT FACILITIES												
Examples: dock, floathouse, storage facilities, upland cabin, etc. (must correspond to farm plan drawings)												
INSTALL PRODUCTION FACILITY EQUIPMENT												
type (description) Examples: rafts, long lines, racks, and other major equipment (must correspond to farm plan drawings)												
size (dimensions)												
how many?												
CULTURE GEAR												
type/size Examples: lantern nets, trays, suspended lines, etc.												
number												
stocking density (see *** below)												
DEC FSP SURVEYS												
DEC GROWING AREA CERT.												
PRODUCT AVAILABLE FOR SALE (number, lbs, etc.)												
ADF&G ANNUAL REPORT DUE				X				X				X

* Quarter 1 begins January 1, Quarter 2 begins April 1, Quarter 3 begins July 1, Quarter 4 begins October 1 -- THE YEAR PERMITS ARE ISSUED IS YEAR ONE --

** To provide more detail, attach separate sheets. Reference ACTIVITY, year and quarter numerically

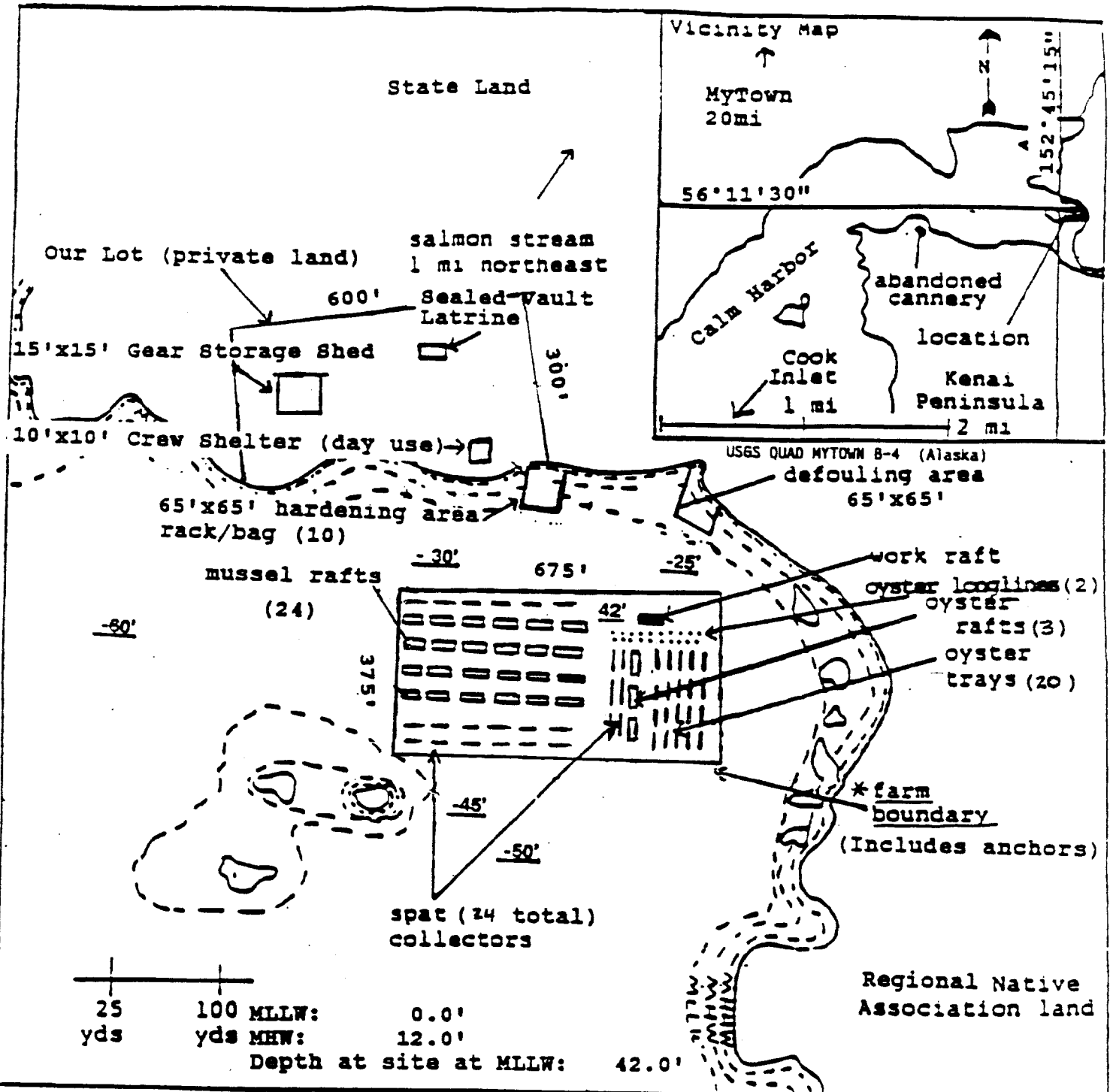
*** Stocking density should be in number of animals/square foot, cubic foot, linear foot, etc. as applicable to gear type

**** If you plan to capture wild stock, you must identify the location of the proposed source

A SEPARATE DEVELOPMENT PLAN IS REQUIRED FOR EACH SPECIES YOU PROPOSE FOR YOUR FARM.
 (Example: You plan to raise Pacific oysters, blue mussels, pink scallops and spiny scallops. Four development plans are required)

If you need assistance or have questions regarding your development plan, please call Jim Cochran, ADF&G, FRED DIVISION at 465-4160

EXAMPLE: SITE PLAN AND VICINITY MAP



<p>PURPOSE: Commercial oyster and mussel farm</p> <p>DATUM: MLLW</p> <p>ADJACENT PROPERTY OWNERS:</p> <ol style="list-style-type: none"> 1. State of Alaska 2. Regional Native Association 	<p align="center">SITE PLAN AND Vicinity Map</p> <p>NAME _____</p> <p>ADDRESS _____</p> <p>To Scale</p>	<p align="center">PROPOSED AQUATIC FARM</p> <p>IN: GULF OF ALASKA</p> <p>AT: CALM HARBOR</p> <p>LOCATION: Section 31 T6S R12W</p> <p>Seward Meridian</p> <p>Kenai Peninsula Borough, Alaska</p> <p>APPLICATION BY: _____</p> <p>SHEET ___ OF ___</p> <p>DATE: _____</p>
--	--	--

Example take from: Bourne et al. 1989. A Manual for Scallop Culture in British Columbia. Canadian Technical Report of Fisheries and Aquatic Sciences No 1694. 216pp.

EXAMPLE: CROSS-SECTIONAL DRAWING

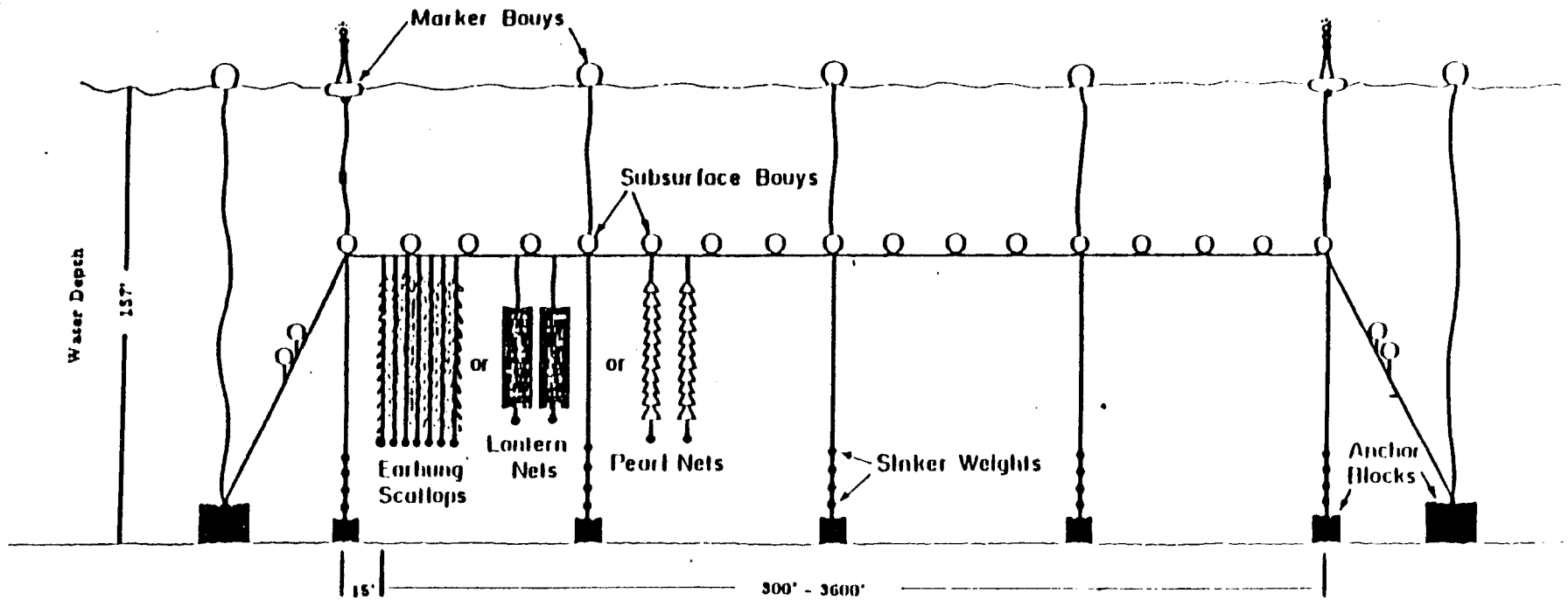
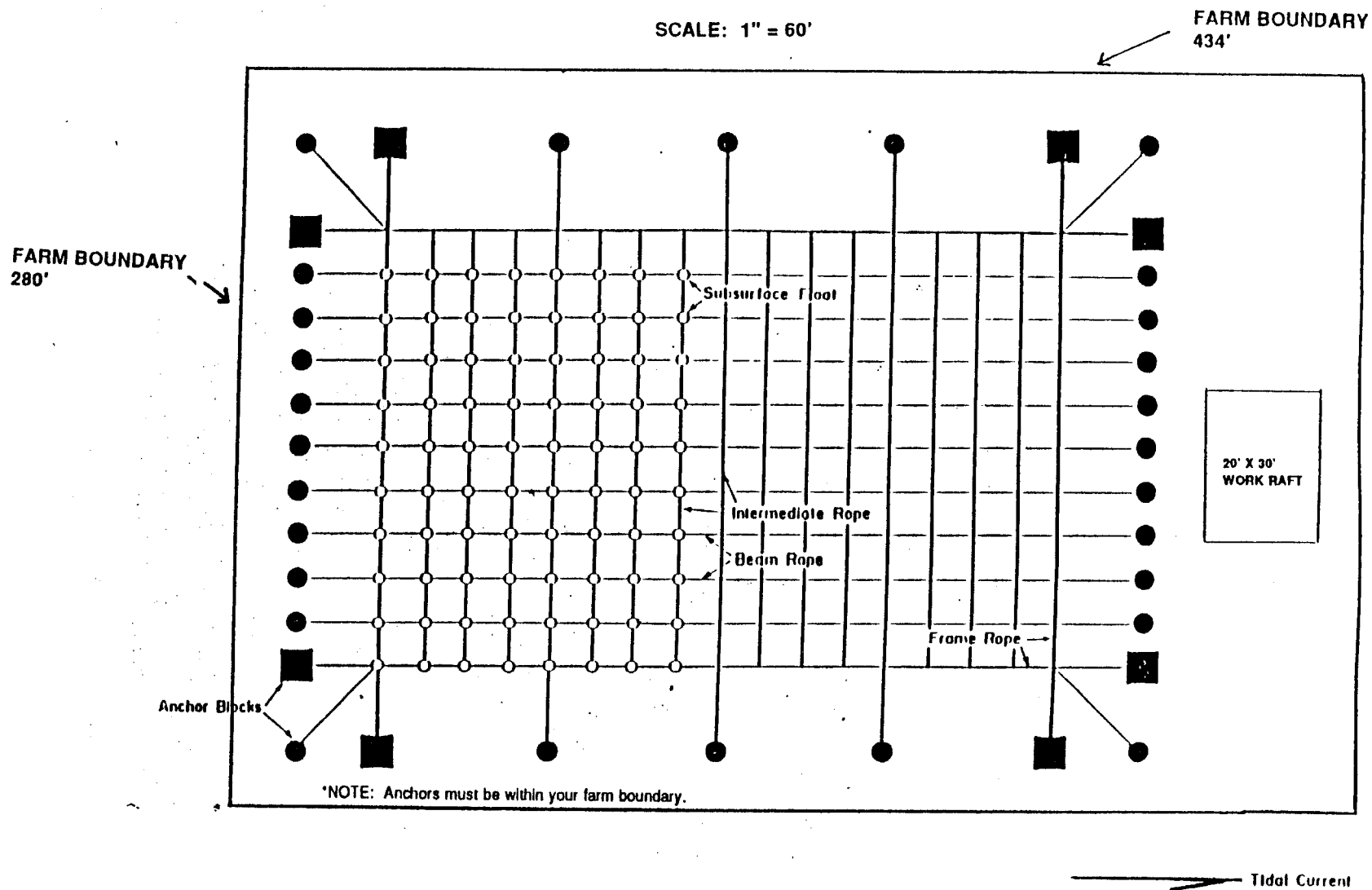


Figure 45. Diagram of a submerged longline system used for growout of juvenile scallops to commercial size.

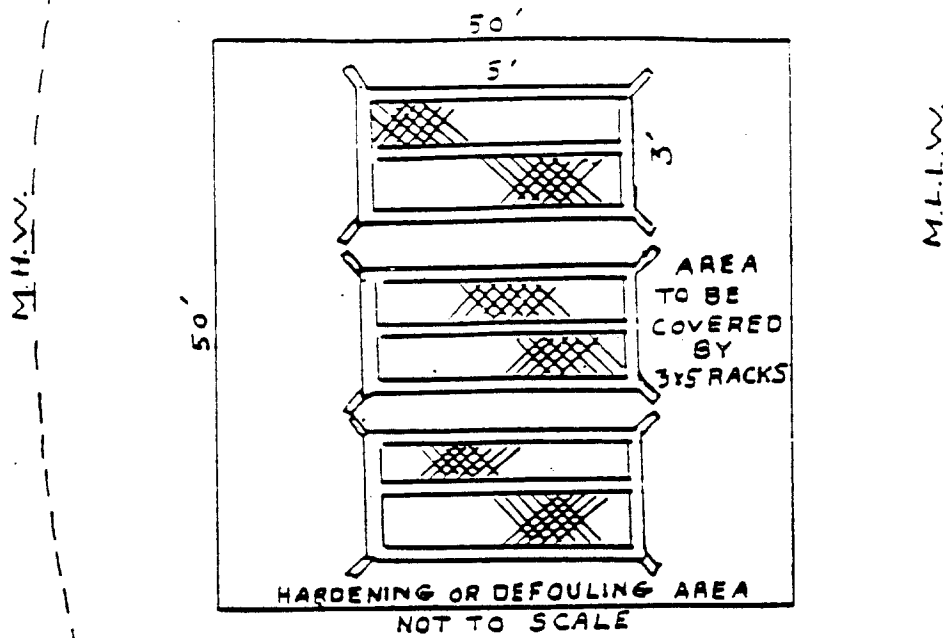
EXAMPLE: DETAILED DRAWING



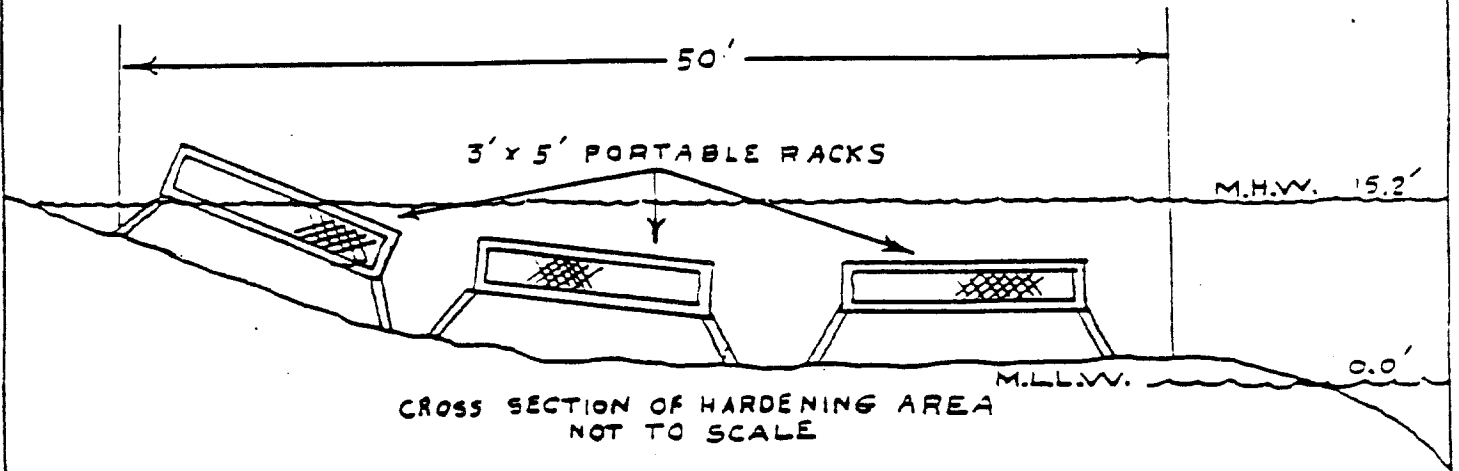
To calculate your total farm boundary area multiply the boundary length by the width. That will give you the total square footage of your farmsite. Then, divide the total square feet by 43,560 (the number of square feet in an acre) to get the total number of acres. Remember your Farm Boundary line must be on the outside of all anchor systems.

$$\begin{array}{r}
 434' \\
 \times 280' \\
 \hline
 121,520 \text{ sq. ft.} \quad 43,560' = \underline{2.78 \text{ acres}}
 \end{array}$$

EXAMPLE: DETAILED DRAWING



EXAMPLE: CROSS-SECTIONAL DRAWING

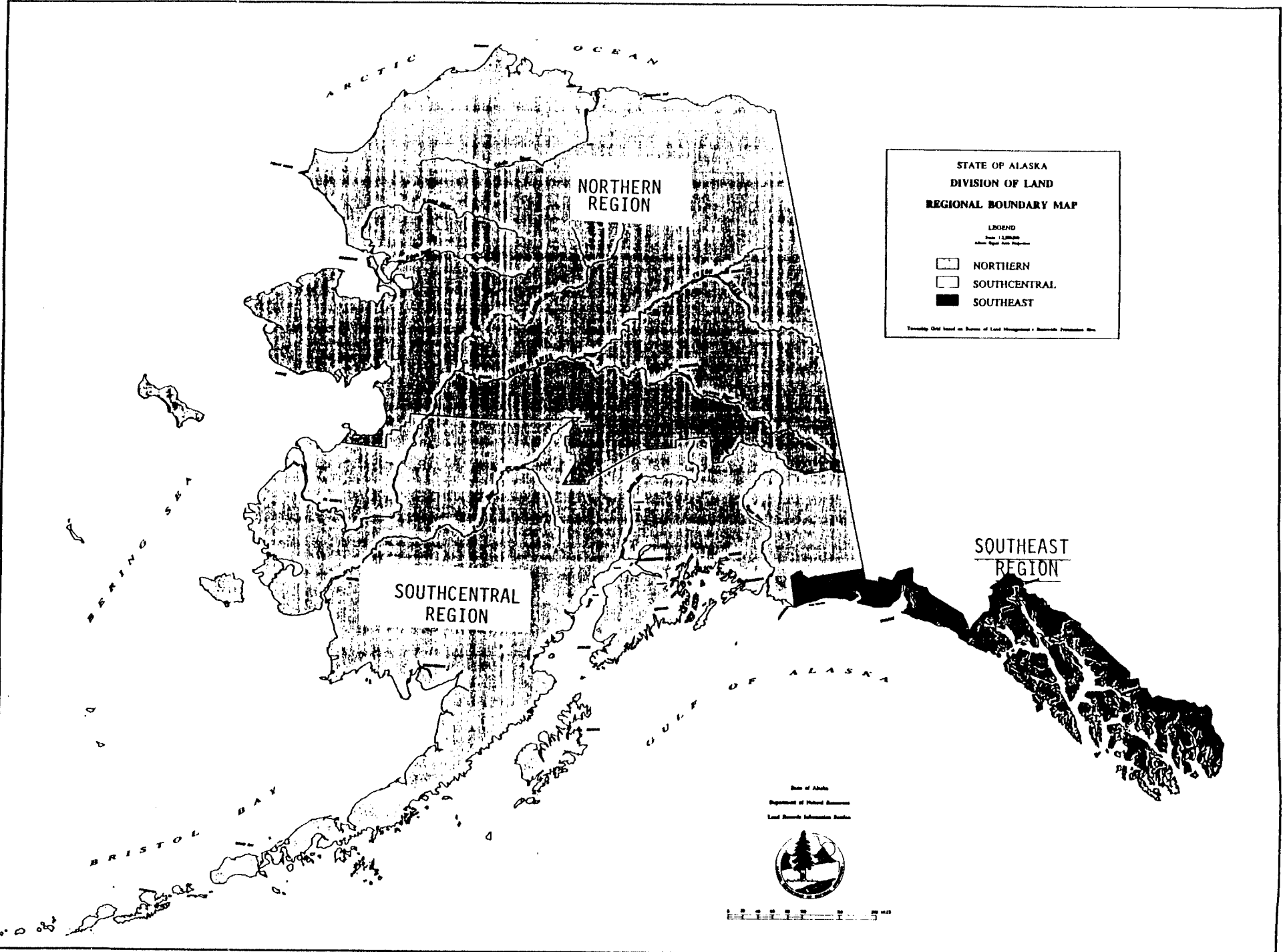


SITES 1+2: 50'x50'; SITE 3: 35'x75' RACK CONFIGURATION SAME AT ALL SITES.

PURPOSE: COMMERCIAL OYSTER FARM OWNERS:




SECTION VIEW OF HARDENING OR DEFOULING AREA NOT TO SCALE SITE: 1.2.+3.

TITLE BLOCK
 NAME: COLD WATER OYSTER FARM
 WATERWAY: DUNCAN CANAL & WOEWODSKI ISLAND
 LOCATION: SECTIONS 22+27 T. 61 S., R 78 E., COPPER RIVER MERIDIAN
 SHEET 6 OF 6 DATE: 3-1-90
 DRAWN BY: BILL NEUMANN



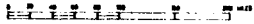
STATE OF ALASKA
DIVISION OF LAND
REGIONAL BOUNDARY MAP

LEGEND
Scale: 1:500,000
North Arrow

	NORTHERN
	SOUTHCENTRAL
	SOUTHEAST

Timberly Old Land as Basis of Land Management & Resource Protection, Inc.

State of Alaska
Department of Natural Resources
Land Resource Information Service



PERMITS WHICH MAY BE NECESSARY FOR AQUATIC FARM PROJECTS

Permit/Certification	Application Materials	Issuing Agency	Application Fee	Long Term Costs
Siting and Design Phase				
Alaska Coastal Management Program Consistency Determination	Coastal Project Questionnaire Aquatic Farm Application	Division of Governmental Coordination	--	
Special Area Permit	Separate Agency Application	Dept. of Fish and Game	--	
Aquatic Farmsite Permit	Aquatic Farm Application	Dept. of Natural Resources	\$ 50.00	In 1991 \$250 for 1st Acre \$100 each add'l Acre Floathouses - \$650 1st Acre
State Park Use Permit	Separate Agency Application	Dept. of Natural Resources	\$ 25.00	
Aquatic Farm Operation Permit	Aquatic Farm Application	Dept. of Fish and Game	--	
Fish Habitat Permits	Aquatic Farm Application	Dept. of Fish and Game	--	
Navigation Permit	Corps of Engineers Permit	U.S. Army Corps of Engineers	\$100.00	
Special Use Permit for Upland Facilities	Separate Agency Application	U.S. Forest Service	--	Based on appraised value; 3-5% of appraised value Minimum \$1000.00 bond for cleanup
Beachlog Salvage Permit	Separate Agency Application	Dept. of Natural Resources	\$ 50.00	
Material Sales	Separate Agency Application	Dept. of Natural Resources	\$ 50.00	
Water Rights (If greater than 500 gal/day)	Separate Agency Application	Dept. of Natural Resources	\$ 50.00	
Wastewater Discharge Permit (If greater than 500 gal/day)	Separate Agency Application	Dept. of Environmental Conservation	--	
Solid Waste Disposal Permit	Separate Agency Application	Dept. of Environmental Conservation	--	
Stocking Phase				
Aquatic Stock Acquisition	Separate Agency Application	Dept. of Fish and Game	--	
Shellfish or Aquatic Plant Transport Permit		Dept. of Fish and Game	--	
Product Distribution Phase				
Growing Area Certification	Separate Agency Application	Dept. of Environmental Conservation	--	Cost for Transporting Water Sample to Palmer Lab
Harvestors Permit	Separate Agency Application	Dept. of Environmental Conservation	--	Cost for Transporting Stucked Sample to Palmer Lab

STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES
DIVISION OF LAND

APPLICANT ENVIRONMENTAL RISK QUESTIONNAIRE

The purpose of this questionnaire is to help clarify the types of activities you propose to undertake. The questions are meant to help identify the level of environmental risk that may be associated with the proposed activity. The Division of Land's evaluation of environmental risk for the proposed activity does not imply that the parcel or the proposed activity is an environmental risk from the presence or use of hazardous substances.

Through this analysis, you may become aware of environmental risks that you did not know about. If so, you may want to consult with an environmental engineer or an attorney.

Applicant Name		Doing Business As		
Address ()		City	State	Zip
Home Phone	Work Phone	Contact Person		

Describe the proposed activity:

In the course of your proposed activity will you generate, use, store, transport, dispose of, or otherwise come in contact with toxic and/or hazardous materials, and/or hydrocarbons? Yes [] No []

If yes, please list the substances and the associated quantities. Use a separate sheet of paper, if necessary.

If the proposed activities involve any storage tanks, either above or below ground, address the following questions for each tank. Please use a separate sheet of paper, if necessary, and, where appropriate, include maps or plats:

- a. Where will the tank be located? _____

- b. What will be stored in the tank? _____

- c. What will be the tank's size in gallons? _____

- d. What will the tank be used for? (Commercial or residential purposes?) _____

- e. Will the tank be tested for leaks? _____
- f. Will the tank be equipped with leak detection devices? Yes [] No []. If no, describe: _____

Do you have any reason to suspect, or do you know if the site may have been previously contaminated? Yes [] No [].

If yes, please explain: _____

I certify that due diligence has been exercised and proper inquiries made in completing this questionnaire, and that the foregoing is true and correct to the best of my knowledge.

Applicant

Date