STATE OF ALASKA

DEPARTMENT OF NATURAL RESOURCES

Division of Mining, Land and Water

Northern Region Land Office,
Fairbanks
(907) 451-2740

Southcentral Region Land Office,
Anchorage
(907) 269-8503

Southeast Region Land Office,
Juneau
(907) 465-3400

The Department of Natural Resources, Division of Mining, Land and Water's (DMLW) regional land offices are responsible for managing state land and resources. Certain activities on state land require a land use permit, while other activities are considered "generally allowed" or require other authorizations. Commercial recreation facilities that remain no longer than 14 days in any one site may obtain a commercial recreation permit rather than a land use permit. Additional information and forms are available online or at any Division of Mining, Land and Water regional land office and the Public Information Centers in Anchorage and Fairbanks. The following text describes information that is required to be filled out by applicants for your application to be considered complete.

Land Use Permits:

- Authorize the temporary use of state land or resources;
- can be issued for up to five years;
- do not convey any interest in state land;
- are revocable with or without cause;
- are not transferable; and
- do not constitute waiver of any other state, federal, or local laws.

Complete Land Use Permit Application Packages include the following documents:

- A Land Use Permit application form completed and signed by the applicant;
- A completed Supplemental Questionnaire for Use of State-Owned Uplands if the use or activity includes use of state-owned uplands - **including a Site Development Diagram**;
- A completed Supplemental Questionnaire for Off-Road Travel if the use or activity includes travel by or with means that exceed those that are generally allowed; and/or
- A completed Supplemental Questionnaire for Use of State-Owned Waters (Shorelands, Tidelands, and Submerged Lands) if the use or activity includes uses on tide and submerged lands below the mean high tide line in marine environments or uses on state-owned shorelands below the ordinary high-water line in freshwater environments - **including a Site Development Diagram**.
- A Site Development Diagram showing each item labeled so that it corresponds with your description in the Questionnaire. The Site Development Diagram must include:
  - **Location** - Section, Township, and Range lines; North arrow; scale; title; and include a legend (these items may be attached if necessary).
  - **Boundaries** – Boundaries and dimensions of proposed area of use and their relation to geographic features, including water bodies, and existing trails or rights-of-way.
  - **Structures and Storage** - Location and dimensions of buildings, tent platforms, out-buildings and other improvements, and of equipment parking and storage areas, including snow storage areas.
  - **Hazardous substances** – Location and dimensions of storage facilities for hazardous substances, including but not limited to oil, lubricants, fuel oil, gasoline, solvents, and diesel fuel. Include method and dimensions of storage (tank, drum, etc.).

Other items that must accompany the application package include:

- **Map** - a topographic map or aerial photo of sufficient scale to show the location of the proposed activity.
- **Filing Fees** - A non-refundable filing fee required by regulation (11 AAC 05.010(5)(B)). See the current Director's Fee Order for applicable fees. Make checks payable to the "State of Alaska".
- **Other Miscellaneous Items**: Items specifically identified and required in any of the supplemental questionnaires.

Completed Land Use Permit Applications must be submitted electronically to an email address below or mailed to one of the following offices closest to the proposed use or activity on state lands:

Northern Region Land Office
3700 Airport Way
Fairbanks, AK 99709-4699
(907) 451-2740
nro.lands@alaska.gov

Southcentral Region Land Office
550 West 7th Ave, Suite 900C
Anchorage, AK 99501-3577
(907) 269-8503
dnr.scro.permitting@alaska.gov

Southeast Region Land Office
P. O. Box 111020
Juneau, AK 99811-1020
(907) 465-3400
sero@alaska.gov

Statewide TTY – 771 for Alaska Relay or 1-800-770-8973

Prior to issuance of a permit, an applicant is required to submit one or more of the following:

- **Use Fees** - The use fee depends on the type of activity, length of use and the acreage authorized for use. See the current Director's Fee Order or contact your regional office for applicable fees.
- **Performance Guaranty (Bond)** - A performance guaranty is held by the state to incentivize performance and to pay for corrective action if the use of state land fails to comply with the requirements of the permit. Acceptable types of performance guaranties include:
  - cash or check made out to the State of Alaska;
  - a Certificate of Deposit (CD) in the state's name; or
  - a corporate surety bond.
- **Insurance** – Proof of insurance to protect you and the state from liabilities incurred through the use of state land.
- **Survey and Location** - Surveys are generally not required for land use permits. Many authorizations require a Global Positioning System (GPS) to determine the location of the project. If we determine a survey is required, we will contact you.

ONLY COMPLETE APPLICATIONS WILL BE ACCEPTED

STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES
Division of Mining, Land and Water

LAND USE PERMIT APPLICATION
AS 38.05.850

Applicants must complete all sections of this application. In addition, applicants proposing:

- the use of the uplands must also complete the Supplemental Questionnaire for Use of State-Owned Uplands accompanying this application;
- off-road travel must also complete the Supplemental Questionnaire for Off-Road Travel accompanying this application; and/or
- the use of shorelands, tidelands, and submerged lands must also complete the Supplemental Questionnaire for Use of State-Owned Waters accompanying this application.

Other items that must accompany the completed application are:

- a (non-refundable) application fee; see current Director's Fee Order or contact your regional office for applicable fees;
- a topographic map or aerial photo showing the location of the proposed activity;
- additional items identified and required in any supplemental questionnaire(s) to this application; and
- additional pages if more space is necessary to answer the questions completely.

Completed Land Use Permit Applications should be submitted electronically or mailed to one of the following offices:

Northern Region Land Office
3700 Airport Way
Fairbanks, AK 99709-4699
(907) 451-2740
nro.lands@alaska.gov

Southcentral Region Land Office
550 West 7th Ave, Suite 900C
Anchorage, AK 99501-3577
(907) 269-8503
dnr.scro.permitting@alaska.gov

Southeast Region Land Office
P. O. Box 111020
Juneau, AK 99811-1020
(907) 465-3400
sero@alaska.gov

Statewide TTY – 771 for Alaska Relay or 1-800-770-8973

LAS # 3 5 5 9 9
(Applicant please provide if known)

Applicant Information:

Name: _____
Doing Business As: Chugach Regional Resources Commission
Mailing Address: PO box 369, Seward AK, 99664

Email Address: cameron@alutiiqprideak.org

Date of Birth: _____
Business License #: 1008145
EIN: 92-0126412
Contact Person: Cameron Jardell
Home Phone: _____
Work Phone: 9072245181
Cell Phone: [redacted]
Fax: _____

If you are applying for a corporation, give the following information:

Name, address and place of incorporation:
Chugach Regional Resources Commission Alutiiq Pride Marine Institute 101 Railway Avenue Seward, AK 99664

Is the corporation qualified to do business in Alaska? Yes ☑ No ☐

If yes, provide name, address and phone number of the resident agent:
Willow Hetrick

Type of User (Select One): ☐ Private non-commercial (personal use) ☐ Commercial Recreation or Tourism

☑ Public Non-profit including Federal, State, Municipal Government Agency ☐ Other commercial or industrial

---

Duration of Project: The proposed activity will require the use of state land for: **(Check one)**

☑ A single term of less than one year. **Beginning month:** October **Ending month:** June

☐ A multi year term for up to 5 years. **Beginning year:** _____ **Ending year:** _____

If multi year and seasonal, mark months of use in each year.

☐ Jan, ☐ Feb, ☐ Mar, ☐ Apr, ☐ May, ☐ Jun, ☐ Jul, ☐ Aug, ☐ Sept, ☐ Oct, ☐ Nov, ☐ Dec

---

Project Location:
Latitude/Longitude or UTM: 59.4709° N, 151.5562° W (approximate center) or

Section: 19 Township: 8S Range:13W Meridian: SMM

Section: _____ **Township:** _____ **Range:** _____ **Meridian:** _____

Proposed project will require the use of up to 8.035 square acres acres.

(Please add additional sheets for this section as necessary)

Project Description: Describe in detail your intended use of state land. (State land also includes all tide and submerged lands beneath coastal waters and all shorelands beneath other navigable waterbodies of the state.) Discuss development and activities. (Attach additional pages as necessary.)

This project will address S. latissima seeding method performance through ocean trials involving gametophyte seeding techniques as well as traditional meiospore seeding techniques. The project will involve two research sites in submerged state waters in Kachemak bay, which will be seeded and monitered for kelp performance. One site is located in Kasitsna bay near the NOAA research facility, whilethe second site will be set up in an established commercial kelp farm permit area in Jakalof Bay. Both research sites will consist of single line arrays not more than 200 feet in length, held in place by anchors and buoys. All parent kelp have/will have been sourced from mature individuals in Jakalof Bay, where some offspring will have been propegated in their gametophyte stage for up to 1 year in a laboratory incubator before seeding. Seeding and harvest of kelp will follow traditional timing with outplant set to occur in fall in October or November 2025, and collection/cleanup of sites set to occur in May and June 2026. Boat traffic related to this project will be highest during seeding and collection, while monthly monitoring will take place to ensure proper functioning of farm gear and record data. This project will provide valuable insights into the efficacy and feasibility of advanced kelp seeding methods with the potential to streamline this process for use in commercial kelp operations around the state, contributing to successful business practises for kelp production in our coastal communities.
round seeding.

Should a portion of the permitted area be closed to the general public? **Yes** ☒ **No** ☐.

If yes, explain which portion and provide justification for exclusive use.

Just the kelp line and buoys should be closed to the general public, as it could interfere with the experiment and be a hazard to marine vessels of the public who approach it.

Site Description: Briefly describe the current condition of the proposed site of use, noting any trash, garbage, debris or signs of possible site contamination. (If significant, we recommend you provide pictures to establish initial conditions.)

Kasitsna bay opens to Kachemack bay to the north. Dryland usage includes residental properties on the MacDonald spit which forms the western boundry of the bay, and the Kasitsna Bay NOAA research facility which includes a dock, submerged intake pipe for laboratory access to salt water and occasional buoys used for experiments. Some residential users have mooring buoys on the far side of the bay. With large tides, Kasitsna bay gets flushed with water regularly and appears in consistent condition with other enclosed bays within Kachemak bay, where visible trash is extremely minimal and contamination from boat traffic is likely present but negligable.

Are there improvements or materials on the site now? **Yes** ☐ **No** ☒ **If yes**, briefly describe the improvements, their approximate value, and who owns them. (We recommend you provide pictures of improvements.)

Describe the natural vegetation – ground cover, trees, shrubs – and any proposed changes. Describe the location of any estuarine, riparian, or wetlands and any noticeable animal use of area.
Submerged lands are mostly sand and gravel. Anchors will be placed in waters deeper than is typical for algae beds.

Site Access: Describe how you plan to access the site, and your mode of transportation.
The site will be accessed via boat from Homer.

If your access is by aircraft, specify the type and size of aircraft:

To access the site, the aircraft is equipped with **floats** ☐ **wheels** ☐ **skis** ☐ .

Number of people:

1. Indicate the number of employees and supervisors who will be working on the site. 5
2. Indicate the number of customers who will be using the site per year or season. 0
3. Indicate the number of days the site will be used per year or season. <273

Environmental Risk / Hazardous Substances: 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 describe:
Petroleum boat fuel

The types and volumes of fuel or other hazardous substances present or proposed:

The specific storage location(s):

The spill plan and prevention methods:

If you plan to use either above or below ground storage containers (like tanks, drums, or other containers) for hazardous material storage, answer the following questions for each container:

Where will the container be located?

What will be stored in the container?

What will be the container's size in gallons? _____

Give a description of any secondary containment structure, including volume in gallons, the type of lining material, and configuration:

Will the container be tested for leaks? **Yes** ☐ **No** ☐ .

Will the container 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:

	APMI Research Scientist	6/4/2025
Signature of Applicant or Authorized Representative	Title	Date

This form must be filled out completely and submitted with the applicable fees. Failure to do so will result in a delay in processing your permit. 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 40.25.110 and 40.25.120 (unless the information qualifies for confidentiality under AS 38.05.035(a)(8) and confidentiality is requested, AS 43.05.230, or AS 45.48). 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.

In submitting this form, the applicant certifies that he or she has not changed the original text of the form or any attached documents provided by the Division. In submitting this form, the applicant agrees with the Department to use "electronic" means to conduct "transactions" (as those terms are used in the Uniform Electronic Transactions Act, AS 09.80.010 – AS 09.80.195) that relate to this form and that the Department need not retain the original paper form of this record: the department may retain this record as an electronic record and destroy the original.

For Department Use Only
Application received date stamp

7/1/2025

Receipt Type: ☒ **7A** ☐ **RR** ☐ **FF**

LAND USE PERMIT APPLICATION SUPPLEMENTAL QUESTIONNAIRE FOR:
Off Road Travel

Answer the following questions if your proposed activity includes off-road travel:

Terrain: Check the following terrain type(s) that best describes your route of travel:

- ☐ Wetlands
- ☐ Open, non-tundra or wetland areas
- ☐ Rivers or other waterbodies
- ☐ Wooded areas with trees of 6" or greater diameter (at breast height)
- ☐ Tundra areas

Vehicles and Weight: List the number and kinds of vehicles to be used for motorized travel, the weight of each vehicle and the weight of each trailer or sled (including loaded weight) to be carried by that vehicle:

Mileage:

- State the average total miles traveled in one round trip: _____
- State the number of trips proposed: _____

Season: Proposed date(s) of travel will be: **From:** _____ **To:** _____

Stream and Waterbody Crossings: Note who you contacted in the ADF&G, Division of Habitat:

Date: _____ Person: _____

Fuel and Hazardous Substance Factor: The volume of fuel and hazardous substances to be used is the total volume in gallons to be carried on one vehicle and any trailers or sleds that vehicle is towing.

- Maximum volume of fuel (in gallons) that is being transported by one vehicle and any trailers or sleds it is towing: _____ gallons.
- Hazardous substances other than fuel:

  Substance: _____

  Substance: _____

- Do you have an Oil Discharge Prevention and Contingency Plan approved by the Alaska Department of Environmental Conservation? **Yes** ☐ **No** ☐
- Do you have either a trained spill response team or a contract with a spill response company? **Yes** ☐ **No** ☐

This form must be filled out completely and submitted with the applicable fees. Failure to do so will result in a delay in processing your permit. 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 40.25.110 and 40.25.120 (unless the information qualifies for confidentiality under AS 38.05.035(a)(8) and confidentiality is requested or AS 45.48). 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 40.25.310, 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.

In submitting this form, the applicant certifies that he or she has not changed the original text of the form or any attached documents provided by the Division. In submitting this form, the applicant agrees with the Department to use "electronic" means to conduct "transactions" (as those terms are used in the Uniform Electronic Transactions Act, AS 09.80.010 – AS 09.80.195) that relate to this form and that the Department need not retain the original paper form of this record: the department may retain this record as an electronic record and destroy the original.

LAND USE PERMIT APPLICATION SUPPLEMENTAL QUESTIONNAIRE FOR:
Use of State-Owned Uplands

To be completed to provide more detailed information about projects or activities requiring the use of state-owned uplands. All site development details identified in this section must be represented graphically in the scaled drawings on Page 6 of the supplement.

Temporary Structures

1) Describe all temporary improvements (including buildings, tent platforms, out-buildings, docks, floats, and floating facilities), including dimensions and building materials. **2)** Label improvements to be maintained on a year round basis as year round. **Note:** Seasonal improvements must be completely dismantled and removed or stored on or before the end of authorized terms of use.

Distance structures including pit privies will be located from the ordinary highwater mark of the nearest freshwater body (lake, stream, river, etc.), or the mean high water mark of a saltwater body: _____

Harvest of Non-Timber Related Forest Products

Please list the type and quantity of each non-timber related forest product (berries, ferns, willow, mushrooms, birch bark, etc.) to be harvested for commercial use:

Contact the DNR Division of Forestry to obtain authorizations for the harvest of small trees.

Motorized Equipment

List mechanized/motorized equipment to be used, including type, size, purpose, and number of each.

For stream and waterbody crossings, note who you contacted in the ADF&G, Division of Habitat:

Date: _____ Person: _____

Storage and Parking

If you plan to store items or park boats, vehicles and/or heavy equipment on the site, complete the following:

Describe and give dimensions of long term and short-term parking and or storage areas:

Is parking and storage planned to take place on filled tidelands? **Yes** ☐ **No** ☐

Does storage involve structures or materials floating in a waterbody? **Yes** ☐ **No** ☐

If yes, please complete the Supplemental Questionnaire for the Use of State-Owned Waters (Shorelands, Tidelands & Submerged Lands).

Number of disassembled tent frames _____ Number of tent platforms _____

List and describe items that are large and difficult to transport. Include dimensions:

Will barrel(s) or an equivalent type of container be used? **Yes** ☐ **No** ☐

If using something other than barrels for storage containers, describe the alternative container.

Describe any measures you plan to take to minimize drips or spills from leaking vehicles or equipment.

Water / Wastewater

Water Supply: Describe the water supply and proposed use.

Wastewater: Describe the wastewater type and quantity and proposed method of wastewater disposal: (for the marine environment, also describe the proposed gray and black water systems or out fall pipeline.

Waste: Describe the types of waste that will be generated on-site, including solid waste, the source of the waste, and the method of waste disposal, i.e. pit privy, or self-contained system, or outfall line; indicate distance from the nearest waterbody.

Animal Use

Will there be any use of animals (horses, llamas, dogs, etc.)? **Yes** ☐ **No** ☐

Will there be commercial use of the animals (horseback rides, packing, dog sled rides, etc.)? **Yes** ☐ **No** ☐

If yes, please explain:

Dismantle, Removal, Restoration Plan

Provide a plan for dismantling and removing temporary structures. Include method and timeline for total site restoration:

Short Term (Portable) Commercial Recreation Camps

Identify commercial recreation activity/activities for which short term (portable) camps **will be** established to accommodate employees and clients, and provide a general description of the location(s) (e.g. guide use area, game management sub-unit, river, stream, lake, etc.) where the recreational activity/activities and short term (portable) camp use will occur.

☐ **Big Game Guiding (List up to 3 Guide Use Areas).**

☐ **Sportfishing (List river corridors, lakes, etc.).**

☐ **Boating/Rafting/Kayaking (List river corridors, lakes, etc.).**

☐ **Other Recreation (Type and general geographic description).**

Identify any State of Alaska Refuge, Sanctuary and/or Critical Habitat Area where short term (portable) camps will be used.

Will activities include "day use" of state land managed under the Haines State Forest Management Plan? **Yes** ☐ **No** ☐

This form must be filled out completely and submitted with the applicable fees. Failure to do so will result in a delay in processing your permit. 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 40.25.110 and 40.25.120 (unless the information qualifies for confidentiality under AS 38.05.035(a)(8) and confidentiality is requested or AS 45.48). 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 40.25.310, 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.

In submitting this form, the applicant certifies that he or she has not changed the original text of the form or any attached documents provided by the Division. In submitting this form, the applicant agrees with the Department to use "electronic" means to conduct "transactions" (as those terms are used in the Uniform Electronic Transactions Act, AS 09.80.010 – AS 09.80.195) that relate to this form and that the Department need not retain the original paper form of this record: the department may retain this record as an electronic record and destroy the original.

Site Development Diagram

VICINITY MAP

Date Prepared:	Applicant's Name:
Alaska Department of Natural Resources **Division of Mining, Land & Water** **Land Use Permit**	
Site Development Diagram	
Sec(s) _____ T _____ R _____ M _____	
Sheet of	LAS #

LAND USE PERMIT APPLICATION SUPPLEMENTAL QUESTIONNAIRE FOR:
Use of State-Owned Waters (Shorelands, Tidelands & Submerged Lands)

Shorelands are those below ordinary high water mark of non-tidally influenced navigable waterbodies. **Tidelands** are that portion of the intertidal zone below the elevation of mean high water. This elevation varies by location. Contact the nearest Department of Natural Resources (DNR) regional office for assistance. **Submerged lands** are those below the lowest tidal elevation. The State of Alaska, with few exceptions, owns these lands out to three miles offshore. If your activity includes the use of State shorelands, tidelands, or submerged lands and the waters above them, answer the questions within applicable sections below. All site development details identified in this section must be represented graphically in the scaled drawings on page 9 of the supplement.

Does the applicant own the directly adjacent, upland waterfront property? **Yes** ☐ **No** ☒

If no, give name(s) and current address/phone number of the property owner.
Upland property is owned by NOAA, who are collaborators on this project and consent to this research sites for the purposes described above. Contact: Paul Cziko, 217-819-7976, paul.cziko@noaa.gov, PO box 204, Seldovia, Alaska 99663

Give names and current addresses and/phone numbers for both upland property owners on either side of the above waterfront property.
Seldovia Native Association. Contact: 907-868-8006, 301 Arctic Slope Avenue, Suite 303 Anchorage AK 99518.

Note: You must obtain the upland owner's written permission for any use of uplands you do not own including for waste disposal, access roads, waterlines, power lines, or shore ties above MHW, and you must provide a copy to DNR before a permit is issued. If not the immediately adjacent upland property owner, does the applicant have legal access across the uplands? **Yes** ☒ **No** ☐ Please explain.

Will your tideland use involve any use of adjacent State-owned uplands? **Yes** ☐ **No** ☒ (If Yes, indicate uses and show on your development plan diagram.) ☐ Shore tie ☐ Waterline ☐ Power line ☐ Access to roads ☐ Other – Explain.

Type of Use, Activity, Development (Answer All).

Will you be developing / using a Mooring Buoy or anchoring a commercial or industrial use vessel for more than 14 days?

Yes ☐ **No** ◪ (If yes, please also answer all questions in **Part 1 on page 2 and Part 6 on pages 10, 11**.)

Will you be anchoring or mooring a commercial or industrial related floating facility that is or can be occupied, i.e. a float camp or floating lodge, a float house you rent, a seafood processor?

Yes ☐ **No** ◙ (If yes, please also answer all questions in **Part 2, on page 3 and Part 6 on pages 10, 11**.)

Will you be anchoring or mooring your own personal use Float house?

Yes ☐ **No** ◙ (If yes, please also answer all questions in **Part 2, on pages 3 and Part 6 on pages 10, 11**.)

Will you be placing non-occupied structures including but not limited to Piling, Dolphins, Fixed docks, Floating docks, or other floating structures?

Yes ☐ **No** ◙ (If yes, please also answer all questions in **Part 3, on page 4 and Part 6 on pages 10, 11**.)

Are you seeking authorization to use or develop a Log Transfer Facility, a floating Log Storage area, or a Log Ship Loading site?

Yes ☐ **No** ◙ (If yes, please also answer all questions in **Part 4, pages 5, 6, 7 and Part 6 on pages 10, 11**.)

Will you be placing fill or dredging material on a beach?

Yes ☐ **No** ◙ (If yes, please also answer all questions in **Part 5, pages 8, 9 and Part 6 on pages 10, 11**.)

Part 1. Anchoring vessels and mooring buoy systems

Does the proposed use location include a known anchorage? **Yes** ☐ **No** ⊡ If yes, have alternative locations been considered to reduce impact to the anchorage? **Yes** ☐ **No** ⊡ If no, explain why.
Using the NOAA vessel we will have access to the NOAA dock nearby and will not need to anchor the vessel

What type of vessel will use the site? ☐ Commercial Fish Tender / Processor ☐ Log Ship ☐ General Cargo Ship
☐ Unoccupied Barge ☐ Fuel Barge ☐ Passenger Vessel ⊡ Other: NOAA research vessel <35 feet in length

Does the anchoring vessel require the ability to be able to occupy this site all year long? **Yes** ☐ **No** ⊡
If no, what months will the site be used? **From** October **to** June

What is the maximum swing radius of vessel at anchor? Length: NA feet (distance from anchor to the aft of the vessel).

Will the vessel require the placement of a mooring buoy system? **Yes** ☐ **No** ⊡ **Number of buoys:** _____

If placing buoys, fill out applicable parts of Part 3 to explain the anchoring system.

Part 2. Floathouses and Commercial, Industrial Floating Lodges, Float camps, Caretaker Residences (including seafood processors)

Description of Facility Note: The structures and dimensions must be shown on the development plan diagram.

Float Dimensions: float _____ x _____ float _____ x _____ float _____ x _____ Total float area _____ sq ft

Living quarters total area: _____ sq ft. Number of stories: _____. Maximum occupancy: _____ persons

Describe other structures on floats, such as storage and generator sheds; give structure dimensions.

Describe anchoring system and address all that apply: No. of anchors _____ Type _____ Weight _____

No. of Rock bolts: _____ No. of Shore ties: _____

Other methods:

Grounding is prohibited. What is the water depth beneath the facility at extreme low tide? _____

How many feet of maximum draft does the floating facility have? _____

Describe your potable Water Source: type, location, ownership of the source:

Wastewater System. Describe how you will handle human waste, black water, grey water:

Do you have an approved Alaska Department of Environmental Conservation marine sanitation system? **Yes** ☐ **No** ☐

Approval # _____

Describe how you will dispose of all solid waste including human waste and household garbage generated on facility:

Part 3. Non occupied structures - Piling, Dolphins, fixed docks, floating docks, or other floating structures.

Select all boxes that apply for structures located below MHW and show all on the development plan diagram.

☐ Fixed pile-supported dock, wharf or landing (non-floating) – dimensions _____ x _____ feet. No. of pilings _____

☐ Ramp to floating dock - dimensions _____ x _____ feet

☐ Boat haulout or non-floating ramp - dimensions _____ x _____ feet

☐ Floating dock dimensions ____ x ____ feet, ____ x ____ feet, ____ x ____ feet, ____ x ____ feet, ____ x ____ feet

☐ Floating breakwater - materials: _____ Dimensions _____ x _____

☒ Other floating structures (e.g., net pens, gear storage float) - describe materials, structures, dimensions:

Several surface buoys will be used, including two tension buoys (A-2), four anchor retrieval buoys (A-1), and between 3 and 6 flotation buoys (A-1) which will to suspend the kelp farm line approximately 6 feet under the surface. The tension and floatation buoys will be situated in a line, while the anchor retrieval buoys will be positioned ~45 degrees from center axis at the tension buoys.

☐ Storage sheds or similar structures on docks - description _____ Dimensions _____ x _____

☐ Bulkhead - type (log crib, sheet pile, etc.) _____

Dimensions _____ x _____ Cubic Yards of Fill

☐ Individual pilings not counted under fixed dock above. Number _____

☐ Dolphins - Number _____ Number of pilings per dolphin _____

☒ Anchor - Number 4 Type Danforth Weight 44 lbs

☐ Rock bolts - Number _____

☐ Shore ties – Number _____ Note: You must obtain the upland owner's permission to place shore ties above MHW before a permit is issued.

Note: Grounding is prohibited.

What is the water depth beneath the floating structures at extreme low tide? _____ feet

Part 4. Temporary log transfer facility (LTF) including floating log storage area.

Siting of an LTF which discharges wood into the marine waters must meet the 1985 Alaska Timber Task Force siting criteria guidelines and the criteria established under the US Environmental Protection Agency's (USEPA) - National Pollutant Discharge Elimination System (NPDES) general permit and the Alaska Department of Environmental Conservation (ADEC) 401 certification.

What is the maximum length of time that you will need to use the facility? _____ years.

What will be your seasonal periods of operation? _____

What is the total timber volume you need to transfer across this LTF? _____ mmbf.

How many total acres do you need for this facility? _____ acres.

Note: This acreage must include all improvements including the anchors and lines. It must include the area required for such items as log raft construction, off-shore storage, associated barge and vessel moorage, and shore-ties.

Does the associated transfer site require a log raft building area? **Yes** ☐ **No** ☐ If yes then:

How many boom logs _____ and anchors _____ and what is the total length of boom logs

_____ feet, that you need for the rafting area?

Will the log rafts ground or be moored in water at depths less than 40 feet as measured from MLLW?

Yes ☐ **No** ☐

What is the near shore depth _____ feet, and the offshore depth _____ feet, of the log rafting area as measured from MLLW (0.0' elevation)?

What nautical chart did you use for reference _____, please include a copy of this area of the chart with the attachments.

Will you need an associated in-water log storage area? **Yes** ☐ **No** ☐ If Yes, then answer the set of questions in the **Floating Log Storage Area section of Part 4.**

Will you need an associated log ship moorage and loading area? **Yes** ☐ **No** ☐ If yes then complete Part 1 on Pg 2.

What kind of transfer facility do you propose to operate? (i.e. A-Frame letdown, slide ramp, drive down ramp, barge ramp)

Will you be transferring logs into the marine waters?

☐ **No, logs will never be discharged into the water, they will always be transported directly onto barges.**

☐ **Yes - new facility.** The applicant must conduct a dive survey of the near shore area to document the pre-project underwater topography and habitat conditions that will be covered by the discharge of bark on to the likely one-acre zone of deposit. The initial dive survey must be done to guidelines established for bark monitoring by the USEPA and the ADEC. A written report of findings including photographic documentation must be submitted prior to review and consideration of this application.

Part 4. (continued)

☐ **Yes - existing facility.** Include a report of the last dive survey with attachments. The applicant / operator is responsible to conduct bark monitoring dive surveys, done to the guidelines established by the USEPA and the ADEC to document the current extent of bark accumulation at the site. A written report of current monitoring findings must be submitted prior to review and consideration of this application.

Is this an existing LTF that has been fully approved and used to transport timber in the past? **Yes** ☐ **No** ☐

If Yes, then answer the following set of questions. If No, you are finished with **Part 4**.

Was the facility constructed before 1985? **Yes** ☐ **No** ☐

Is the facility currently authorized? **Yes** ☐ **No** ☐ If Yes, provide the Army Corps of Engineer's Permit Name and number (i.e. Mud Bay 43) _____ and attach a copy of it and all modifications.

What is the US EPA - NPDES authorization number? _____ Date of approval _____

and who is the authorized operator: _____

When was the facility last actively used? _____ How long was it used before? _____

How much volume was transferred? _____ mmbf

What type of log entry system is currently authorized? (i.e. A-Frame letdown, slide ramp, drive down ramp, barge ramp)

Is there a tideland survey for the site? **Yes** ☐ **No** ☐ , ATS # _____ _____

Does the existing facility require a physical modification? **Yes** ☐ **No** ☐ If Yes, please submit your modification request to the USACE and include a copy with this application. Please briefly explain the modification.

Floating Log Storage Area

Will the storage area be inside the permit area at the log transfer facility? **Yes** ☐ **No** ☐ If No, Will there be a separate tract or tracts? **Yes** ☐ **No** ☐ If Yes, how many tracts do you need? _____ and list below the acreage of each tract.

How long do you need to use the storage area(s)? _____

How much volume will be moved thru this storage area? _____mmbf

How many log booms and anchors and what is the total length of the log boom perimeter that will be needed for storage?

# of log booms _____, # of anchors _____ total length of all log booms _____ feet.

Will you be using shore ties? **Yes** ☐ **No** ☐ If Yes, provide a copy of this permission, if No, you need to obtain and provide this.

Part 4. (continued)

Will the log rafts ground or be moored in water at depths less than 40 feet as measured from MLLW?

Near shore depth _____ feet, Offshore depth _____ feet.

What nautical chart did you use for reference? _____ If possible, please include a copy with the attachments.

If the log storage area is one which has been fully approved and used to store log rafts in the past, then answer the following:

When was the site last actively used? _____ and for how long? _____

If known, how much volume was stored here? _____ mmbf

Is the facility currently authorized? **Yes** ☐ **No** ☐ If Yes, provide the Army Corps of Engineer's Permit Name and number (i.e. Mud Bay 43): _____ and attach a copy of the permit and all modifications.

What is the DNR authorization number? _____

What is the US EPA - NPDES authorization number? _____ Date of approval _____ and who is the authorized operator: _____

Has there been a recent dive survey completed? **Yes** ☐ **No** ☐ If Yes, then include a copy of this report with the attachments.

Note: The applicant may have to conduct a dive survey of the log storage area to document the underwater topography and habitat that would be covered by the bark zone of deposit or to establish current bark accumulation levels. If required due to level of use, a bark monitoring dive survey must be done to guidelines established by the US EPA and the ADEC to document the current conditions at the site.

Part 5. Use that involves dredging, placing fill material or altering beaches.

NOTE: When altering the location of the line of mean high water on a beach by placing fill on or seaward of this line you need to be aware of the following. The line of ordinary high water (OHW) or mean high water (MHW) is the boundary where State (public) ownership of shorelands, tidelands and submerged land begins. For OHW, the boundary is the highest water level which has been maintained for a sufficient period of time to leave evidence upon the landscape, commonly that point where the natural vegetation changes from predominantly aquatic to predominantly terrestrial. For MHW, this boundary is an elevation contour on the beach and is determined by the tidal stage of MHW water elevation against the beach topography. These lines are not fixed by a past survey of the upland property if that land survey shows a meandered boundary as is typically done. A meandered boundary is intended to be dynamic and move over time; natural forces can either erode material or deposit material and as a result, the boundary can naturally move. Another natural way that boundaries can change is in tidal areas where glaciers have recently receded and the land is rebounding or uplifting over time. When any natural process is interrupted by the actions of man, such as placing material to stop erosion, the boundary line typically becomes fixed from that point on. When altering the boundary line through fill below MHW or (OHW), the upland owner will not gain ownership of the newly filled areas; these areas remain in State (public) ownership.

What is the elevation of the line of MHW at the proposed permit site? _____ feet

Are you proposing to alter the line of MHW in any manner? **Yes** ☐ **No** ☐ If Yes, explain what you intent to do.

Placing fill material on a beach.

What is the purpose of the fill?

Is there an upland survey that has established a meandered boundary line? **Yes** ☐ **No** ☐

If Yes, Survey # _____ (if a subdivision survey please provide a legible copy)

(ATS, ASLS, US Survey #)

Will heavy equipment be used below the mean high-water line to alter the beach? **Yes** ☐ **No** ☐ If Yes, explain:

How many cubic yards of fill are you proposing to place at and below the line of MHW? _____ cubic yards

What are the dimensions of fill area below MHW elevation? _____

How many linear feet along the (beach) line of MHW will be covered with fill? _____ feet

Is there more than one area along the beach which will be filled? **Yes** ☐ **No** ☐ Identify the location of each area on the development plan diagram.

Part 5. (continued)

Will any of the fill material come from State owned uplands or tide and submerged lands? **Yes** ☐ **No** ☐ If Yes, then what is the source?

_____ and how many cubic yards? _____

If you are intending to limit beach fill to the area above the current line of MHW will any of the fill or associated retaining wall material including the toe of the fill or retaining wall extend beyond the line of MHW? **Yes** ☐ **No** ☐

Is the adjacent upland property encumbered with a public easement along the waterfront boundary? **Yes** ☐ **No** ☐

How will the fill affect public access along the beach?

Excavation of materials from a beach.

What is the purpose of the excavation?

How many linear feet along the beach will be affected? _____ feet

To what depth will you be excavating? _____ feet

How many cubic yards will be excavated from the area seaward of the line of MHW? _____ cubic yards and what will this excavated material be used for or where will it be disposed?

Part 6. Dismantle, Removal, Restoration Plan - The permit will require that upon expiration, completion, or termination the site shall be vacated and all improvements and personal property removed. The site shall be left in a clean, safe condition acceptable to the Regional Manager. Your answers to the following questions will establish your proposed restoration plan.

A. Explain how you plan to dismantle and remove the improvements and restore the site to a clean, safe condition acceptable to the Regional Manager. **Note:** One acceptable alternative is returning the permit site to the condition that existed before the site was developed or used.
All fixed gear will be fully removable, where anchors are lifted using retrieval lines, and the suspended line in the water column will be taken on board the vessel when the project time is completed.

B. If your project involves fill describe how it will be removed and where will it be removed to. How will you document that the original line of Mean High Water has been restored? (e.g. photo documentation, resurvey)
NA

C. If your project involves anchors and/or pilings how do you plan on removing them? Where is the nearest community that provides this type of removal equipment / service?
The vessel we will use is capable of lifting the anchors we plan to set.

D. Describe the disposal method and identify the disposal site or sites for structural components, solid wastes, and hazardous wastes.
NA

Part 6. (continued)

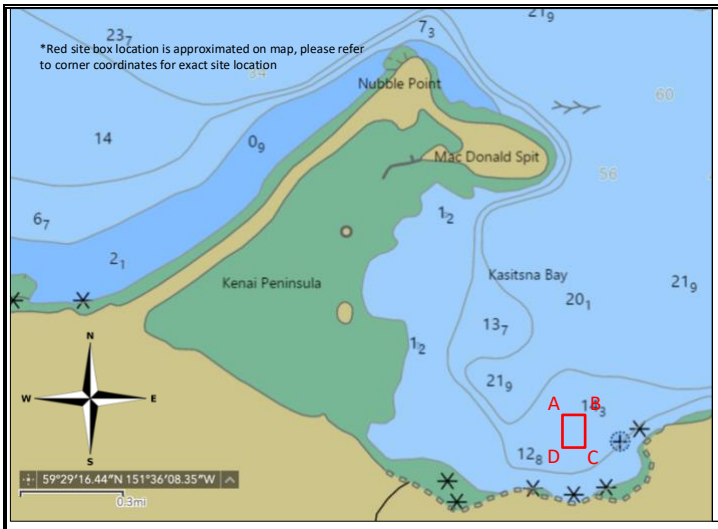
E. If components can be reused for other projects, such as anchors, identify where they would be stored?
Anchors and other equipment used in the project will be stored at 101 Railway Ave, Seward AK at the Alutiiq Pride Marine Institute.

This form must be filled out completely and submitted with the applicable fees. Failure to do so will result in a delay in processing your permit. 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 40.25.110 and 40.25.120 (unless the information qualifies for confidentiality under AS 38.05.035(a)(8) and confidentiality is requested or AS 45.48). 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 40.25.310, 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.

In submitting this form, the applicant certifies that he or she has not changed the original text of the form or any attached documents provided by the Division. In submitting this form, the applicant agrees with the Department to use "electronic" means to conduct "transactions" (as those terms are used in the Uniform Electronic Transactions Act, AS 09.80.010 – AS 09.80.195) that relate to this form and that the Department need not retain the original paper form of this record: the department may retain this record as an electronic record and destroy the original.

Top left Top right Bottom right Bottom left

Site Development Diagram

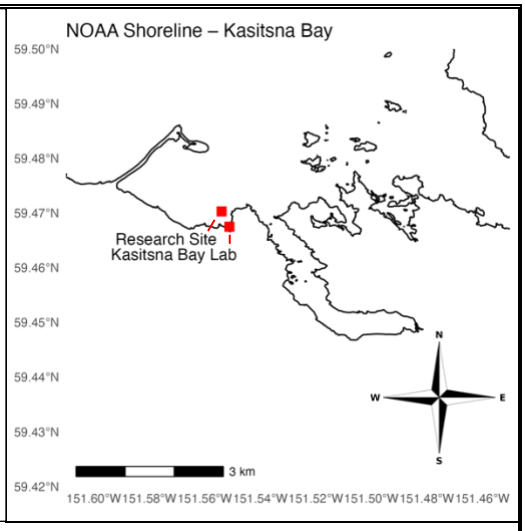


MARINE CHART

Site corner coordinates

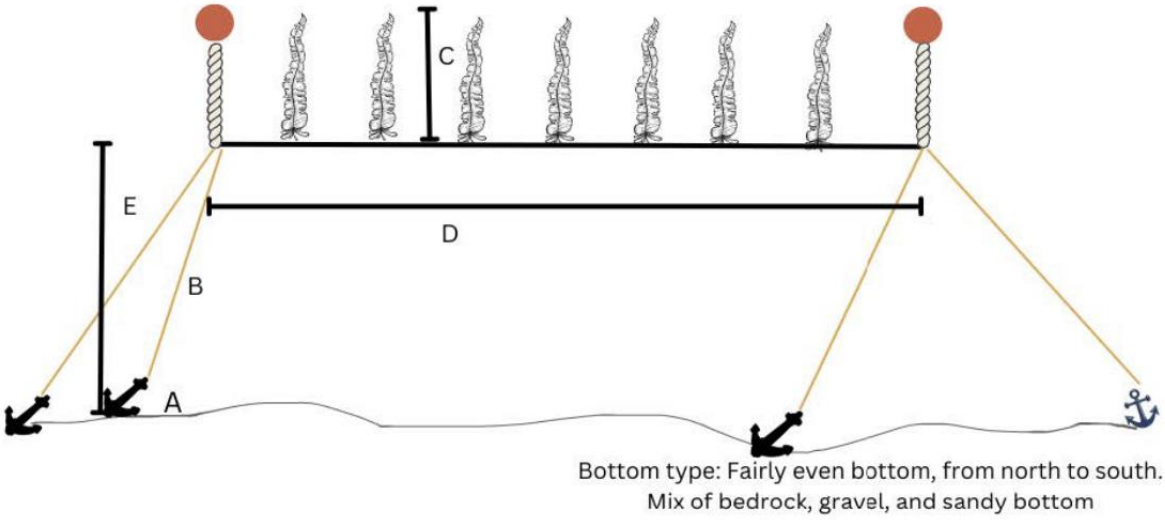
A)
59.4720° N
151.5575° W
B)
59.4720° N
151.5548° W
C)
59.4698° N
151.5548° W
D)
59.4698° N
151.5575° W

The research site is 700 by 500 ft, allowing enough room for the kelp line and anchor scope with 84' margin.



VICINITY MAP

Research kelp farm diagram



A) Danforth anchors (44 lbs) set at opposing 45° angles with chain (chain not visualized in diagram)
B) ¾ inch polydacron anchor line, 3:1 scope
C) 6 feet average depth of suspended farm line
D) 200 foot length of one suspended grow line
E) Approximate depth of grow line to sea floor (between 43 and 62 feet [NOAA chart datum with maximum diurnal tidal difference])

Date Prepared: 6/4	Applicant's Name: Cameron Jardell
Alaska Department of Natural Resources Division of Mining, Land & Water Land Use Permit	
Site Development Diagram	
Sec(s) **19** T **8 S** R **13 W** M **SMM**	
Sheet 1 of 1	LAS #35599