For Office Use Only	ADNR File No:	ADL 234203	DATE STAMP:	Application received: 4/30/23 Application revisions: 8/22/23, 10/27/23, 3/14/24 4/23/25 11/10/25
	ADF&G No:			

Alaska Aquatic Farm Program
Joint Agency Application – Part II

You are encouraged to submit a completed application as early in the filing period as possible. The current application form must be used and properly completed before state agencies can process your project. **An incomplete application will not be processed.** A checklist is included to assist you in meeting this requirement. The best way to facilitate the review of your application is to schedule a pre-application meeting with ADNR and ADF&G to discuss your project. The original application including attachments and all required fees must be delivered and present in the Alaska Department of Natural Resources office no later than April 30th.

The project location is in: ☐ Southeast Alaska ☑ Southcentral Alaska ☐ Kodiak ☐ Alaska Peninsula ☐ Other

This project is: ☑ First Time Application ☐ Renewal Application

A. APPLICANT INFORMATION

Stephen Payton
Name

Seldovia Seaweed
Business Name (If Applicable)

PO Box 158
Mailing Address (PO Box or Street Address)

Seldovia AK 99663
City State Zip

[redacted]
Email Address

[redacted]
Home/Office Phone Cell Phone

Stephen Payton
Contact Name

[redacted]
Contact Phone Number

Harmony Payton
Business Partner Name (If applicable)

[redacted]
Business Partner Email Address (If applicable)

[redacted]
Business Partner Phone (If applicable)

B. PROJECT DESCRIPTION

In the space provided below, please provide a general description of your proposed aquatic farm site and operations. This should be a narrative of your proposal that includes where your project will be located, overall size including any hardening area, all species you intend to culture, type of farm gear, equipment, support facilities, and associated housing to be used including size, number, and construction materials. Your narrative should match the rest of the application information you provide. If additional space is necessary, **please attach a separate document labeled "PROJECT DESCRIPTION". Example information for project narrative can be found in Attachment I.**

PROJECT DESCRIPTION

DATE SUBMITTED: 4/30/23, 3/14/24

Company Name

Seldovia Seaweed

Site Location *(Include water body, distance from nearest community, any landmarks, general region of Alaska, and whether on state tidal and/or submerged lands or private. Provide enough information to understand where it is located.)* The farm site is located in Seldovia Bay which is in Kachemak Bay. 1.2 miles from the city of Seldovia. The site is in state waters.

Site Dimensions, Acres for Each Parcel

The site is ~~150~~ 200 feet wide and 1,000 feet long this is ~~150,000~~ 200,000 square feet or ~~3.44~~ 4.59 acres.

Total Acres of All Parcels

~~3.444~~ acres
4.59

Species You Intend to Farm *(Include scientific and common species name)*

saccharina latissima (sugar kelp)
nereocystis luetkeana (bull kelp)
ulvaria obscura (sea lettuce)

Culture Method [*Describe operation activities to be done onsite such as outplanting of seedstock, husbandry techniques to be used (culling, sorting, washing, etc.), maintenance and monitoring activities, management of fouling organisms and incidental species, predator control measures, and schedule of activities such as timing of outplanting seeded lines or adding seedstock into trays, etc. Describe what methods you plan to use based on the definition in 5 AAC 41.400(6). "Culture" means to use or the use of methods to manipulate the biology and the physical habitat of a desired species to optimize survival, density, growth rates, uniformity of size, and use of the available habitat, and to efficiently produce a product suitable for a commercial market.*]

Gear will be deployed in October and seedstring will be outplanted shortly after. Sea lettuce will be grown via natural set method. The farm site will be inspected twice weekly minimum (as weather allows). Kelp will be monitored for growth at this time. Any fouling or incidental species will be removed and relocated. In May or June kelp and sea lettuce will be harvested by removing from the line with a knife. The exact date will vary based on weather and other conditions.

Culture Gear and Equipment (Type, Size, Number, Configuration, Material, and Anchoring System) [*If more than one parcel, indicate what parcel specific gear will be located on. If more than one species, indicate gear to be used for each. Gear includes any structure that holds or protects the organism like trays, tiers of lantern nets, Vexar bags, OysterGro system, grow-out submerged longlines, predator netting, longlines, buoys, depth control systems, etc. Include approximate installation schedule, or if and what gear will remain installed year-round etc.*]

All species produced will be grown on a submerged longline system.

~~Two 2 lung 52 line systems each 800 feet long in total~~

4 - 400 foot long lines of 7/16 inch poly line will be suspended 7 feet below the surface with depth control systems with dropper weights and buoys. These systems will be ~~tied in~~ anchored with 200 lb anchors on either end.* 7 feet of Half inch ~~anchor~~ chain will connect the anchor to a 3/4 inch poly rope. This rope will attach to an 18 inch diameter 100 lb displacement mooring ball at the surface.

Depth control systems will consist of 5/16 inch poly line 7 feet long with a 6x14 inch surface buoy and weight.

Culture gear will be removed, while anchors and mooring buoys will remain onsite year-round.

* The 400 feet longlines, on the east and west sides of the parcel, will share one anchor between each of the 400 feet longlines. There will also be an anchor in each of the 4 corners, for a total of 6 anchors.

Seed Acquisition Plan (Commercially produced and/or wildstock) *[Commercially produced juveniles or seed stock must be obtained from an approved seed source. Do you intend to collect wildstock juveniles or natural set organisms for direct culture on your proposed site? Yes/No. If yes, describe collection methods (applicable for indigenous species: i.e. mussels, scallops, abalone, natural set aquatic plants, etc. This does not refer to broodstock collection on behalf of hatcheries for propagation. If increasing number of acquisitions per year, indicate projected amounts per year. Aquatic plant species can be combined into total feet of line per year.]*

Nereocystis luetkeana, and Saccharina latissima will be acquired from the Alutiiq Pride Marine Institute. We will acquire 1600 feet of line per year. Ulvaria obscura will be collected opportunistically/ bycatch.

Harvest Equipment and Method *[Describe harvest equipment and methods to be used, activities to be done onsite, and schedule of harvest of aquatic farm product. If more than one species, include harvest information for each species or group of species like macroalgae if the harvest information is the same.]*

Kelp will be harvested in May/June of each year. Line with kelp will be hauled onto a twenty foot skiff and kelp will be stripped off the line into insulated totes.

Support Facilities (Type, Size, Number, Configuration, Material, and Anchoring) *[Support facilities include caretaker facility, storage rafts, work rafts, processing rafts, etc.]*

There will be no support facilities. Gear will be stored on private property when not in use.

c. What techniques will be used to optimize growth or condition of product?

To optimize growth of product it will mostly be left alone. We will monitor the site regularly to ensure gear is intact

3. Acquisition of hatchery or wild seed

a. Will you use a certified or approved shellfish seed source(s)? **Yes** ☐ **No** ☑

b. Will you use an Alaska kelp hatchery? **Yes** ☑ **No** ☐

c. How do you intend to collect wild seed? (Applicable for indigenous species: i.e. clams, natural set kelp, invertebrates, etc.)

sea lettuce will grow via natural set method and will be encouraged to grow on culture gear such as 5/16 poly line not seeded by hatchery

4. Describe how operation of the aquatic farm will improve the productivity of species intended for culture not covered by the previous questions (examples: predator exclusion, reduction of competing species, density manipulation by culling/redistribution, importing natural or hatchery seed, program harvest to optimize growth/condition and habitat improvement)?

Farm operation will improve productivity of cultured species by using hatchery seeded lines, excluding predators and controling the depth at which they grow.

D. PROJECT LOCATION

1. Coordinates

Please provide latitude and longitude coordinates for each corner of each parcel at the proposed farm site. Identify each parcel to be used. For example, Parcel 1 - growing area, Parcel 2 - hardening area, etc. Latitude and longitude coordinates must be in **NAD83 datum using degrees and decimal minutes format to the nearest .001 minute (Example: Longitude -133° 17.345)**, obtained using a Global Positioning System (GPS). If you are applying for more than three parcels or your proposed parcels have other than four corners, please provide those coordinates in your project description or on a separate sheet.

Parcel 1: Grow-out Area (e.g. Grow-out Area)	NE Corner No. 1: Latitude	59° 25.13900	Longitude -151° 42.92800
	SE Corner No. 2: Latitude	59° 24.99221	Longitude -151° 42.78453
	SW Corner No. 3: Latitude	59° 24.97733	Longitude -151° 42.83800
	NW Corner No. 4: Latitude	59° 25.12321	Longitude -151° 42.98453
Parcel 2: _____ (e.g. Hardening Area	NE Corner No. 1: Latitude	_____	Longitude _____
	SE Corner No. 2: Latitude	_____	Longitude _____
	SW Corner No. 3: Latitude	_____	Longitude _____
	NW Corner No. 4: Latitude	_____	Longitude _____
Parcel 3: _____ (e.g. Support Facility Area)	NE Corner No. 1: Latitude	_____	Longitude _____
	SE Corner No. 2: Latitude	_____	Longitude _____
	SW Corner No. 3: Latitude	_____	Longitude _____
	NW Corner No. 4: Latitude	_____	Longitude _____

Access to and from Site [*Include nearest community, transportation type used and how many times traversing back and forth*]

The farm site is located 1.2 miles from the city of Seldovia. The site is easily accessible by boat. We will use an 18 foot skiff to access the site.

Storage Location of Equipment and Gear When Not in Use [*Include whether on private lands and nearest community*]

Gear will be stored at our property in Seldovia when not in use. 219 Lindstedt Lane, Seldovia AK 99663

C. PROJECT OPERATION PLAN

1. **How will support facilities, culture gear and anchoring systems be maintained?**
   a. How often, in days per month, do you intend to monitor your site for things such as adequate anchoring, disease, exotic species settlement, fouling, gear drift, snow load, wind damage, vandalism, etc.?

      Growing season 7 (days/month) **Off months** 2 (days/month)

   b. How will you keep the gear and shellfish free of fouling organisms (hot-dip, air dry, pressure washing, etc.)?

      Kelp growth will be encouraged, unintended species will be removed manually (by hand with a knife)

   c. How will you manage reduction of competing species over the course of operations (relocate sea stars, grow-out cages, or other possible protection from competing species)?

      If any competing species are found they will be removed by hand and relocated to the nearby beach.

   d. If you intend to use predator netting, how long will you keep netting over your product?

      N/A (months)

   e. If using predator netting, how will you minimize impacts on non-target species, including seabirds, seals, sealions, walrus and whales?

      N/A

2. **Projected Harvest Rotation Consistent with Life History**
   a. How often do you intend to harvest your product by species?

      once per year in May. Exact date dependent on weather and growth.

   b. Do you plan on utilizing density manipulation by culling or redistribution?

      no

2. Site Size

Please use the following formula to compute area. For more complex parcel shapes, you may wish to use the Measure Area tool in Alaska Mapper found at https://mapper.dnr.alaska.gov/. If you are applying for more than three parcels or your parcels are not rectangular, you may provide this information in the project description or on a separate sheet.

1. To compute the total area (sq. ft), multiply the width (ft) by the length (ft) of Parcel 1. The outside length and width of the Parcel **must include your anchors and anchoring system plus any scope**.
2. Divide the area (sq. ft) of Parcel 1 by 43,560, to convert the area from sq. ft to acres.
3. Repeat for each separate Parcel of your proposed farm site.
4. Add the acreage of each Parcel to get the total tideland acreage for your proposed farm site.
5. Write the Total Acreage on the line where indicated.
6. Note that the number of acres must correspond to your farm site maps and drawings.

Parcel 1: 200 feet (x) 1000 feet = 200,000 square feet (÷) 43,560 = 4.59
(Width of Parcel 1) (Length of Parcel 1) (Area) (Acres)

Parcel 2: _____ feet (x) _____ feet = _____ square feet (÷) 43,560 = _____
(Width of Parcel 2) (Length of Parcel 2) (Area) (Acres)

Parcel 3: _____ feet (x) _____ feet = _____ square feet (÷) 43,560 = _____
(Width of Parcel 3) (Length of Parcel 3) (Area) (Acres)

How many total acres of state-owned tidelands are you applying for (add all parcel acres): 4.59
(Total Acreage)

If you are **also** applying for **state owned uplands for support facilities**, how many total upland acres? 0
(Total Upland Acreage)

3. Maps and Diagrams

Provide copies of maps and diagrams including general and detailed location maps, site plan map (an overview), cross-sectional diagram and detailed drawings. If the project has multiple parcels, you must provide maps of each parcel. Copies of the maps and drawings should be no larger than 8½" x 11" (standard letter size). Examples are provided at the end of the application.

A list of mapping resources is provided below:

Alaska Mapper	https://mapper.dnr.alaska.gov/
Alaska Ocean Observing System Mariculture Map	https://mariculture.portal.aoos.org/
NOAA Nautical Charts	www.charts.noaa.gov
ShoreZone Mapping System	https://www.fisheries.noaa.gov/alaska/habitat-conservation/alaska-shorezone
Catalog of Anadromous Streams	https://www.adfg.alaska.gov/sf/sarr/awc/

***Be sure to include a legend box on all maps and diagrams you provide with your application with the following information:**

FORMATTING	LEGEND BOX EXAMPLE
Figure No. and Title	Figure 1 Detailed Location Map
Applicant Name (Business Name)	Alaska's Best Oysters
Waterbody	Jerryton Bay
Area/Region	East of Prince of Wales Island, Southeast AK
Today's Date	March 30, 2012

a. **General Location Map** - This map is a larger scaled map showing larger surrounding area with less detail (See Attachment 2, Figure 1). Use a USGS Topographic quadrangle map (scale: 1" = one mile (1:63,360)) and label it "Figure 1" and show the following information:

- [x] USGS Map Name (e.g. Craig B-4) Seldovia B-5
- [ ] General location of the farm site
- [ ] Distance (in nautical miles), and direction (arrow) of the site from the nearest community
- [ ] A directional arrow identifying North
- [ ] Scale
- [ ] Legend box (example on previous page)

b. **Detailed Location Map** - This map is a smaller scaled map showing more detail (See Attachment 2, Figure 2). Use a National Oceanic and Atmospheric Administration (NOAA) navigational chart and label it "Figure 2" and show the following information:

- [x] NOAA Chart No. 16646
- [ ] Boundaries of each farm area parcel and clearly label all corners (NE, SE, SW, and NW)
- [ ] Directional arrow identifying North
- [ ] Scale on map
- [ ] Legend box (example on previous page)

  If uplands area is proposed:
  - [ ] Location and type of use (e.g. housing, storage shed, etc.)

c. **Site Plan Map** - Draw an overhead view of the farm area parcel(s) and surrounding area (See Attachment 2, Figures 3 and 4). Label it "Figure 3" and show the following information:

- [x] All in-water structures and anchoring systems (All anchoring systems and anchor scope have to be inside the farm parcel boundary)
- [x] All equipment and support facilities with dimensions (in feet)
- [x] Areas of eelgrass beds (intertidal zone)
- [x] Areas of kelp beds (subtidal zone)
- [x] Fuel and chemical storage
- [x] Nearby anadromous streams (fish)
- [x] Distance between all facilities, gear or equipment on the proposed farm site
- [x] Legend box (example on previous page)

d. **Cross-Sectional Diagram(s)** - Provide Cross-Sectional Diagram(s) of all support facilities, equipment, and gear showing their placement and anchoring systems (See Attachment 2, Figure 5). Note that more than one diagram may be required. Label it "Figure 5" (and so on) and show the following information:

- [x] Distance from bottom of gear to ocean bottom at mean lower low tide

  If suspended or on-bottom culture:
  - [x] water depth at low tide
  - [x] major on-bottom physical features (sand, mud, silt, clay, bedrock, cobble, shells, rockweed, algae/seaweed) and contours
- [x] Dimensions of the anchoring configuration and poundage
- [x] Scale
- [x] Legend box (example on previous page)

e. **Detailed Drawing(s)** - Provide Detailed Drawing(s) of all support facilities, equipment, and gear (See Attachment 2, Figure 5). Note that more than one diagram may be required. Label and show the following information:

- [x] Draw and label the dimensions (length/width/height) of all proposed gear and equipment
- [x] Legend box (example on previous page)

E. SITE SUITABILITY – PHYSICAL AND BIOLOGICAL CHARACTERISTICS

1. Is the proposed location protected from severe storms, strong currents, winter ice, etc. and if not, is the farm designed for extremes?
   Yes ☑ No ☐ Additional Information _____
2. Does your site have suitable water exchange for species of culture? Yes ☑ No ☐
3. Are water temperatures suitable for proposed species of culture? Yes ☑ No ☐
   (Note: temperatures > 60° and < 31° F may pose problems such as Vibrio bacteria contamination or icing.)
4. Is there any significant freshwater influence near the farm? Yes ☐ No ☑
   (Note: freshwater may impact shellfish growth and/or survival or carry fecal coliform or other pollutants)
5. Is the salinity concentration at your proposed farm site appropriate for species of culture? Yes ☐ No ☐
6. Have you monitored the phytoplankton (microalgae) abundance and types during the main grow-out season?
   Yes ☐ No ☑ If yes, findings: _____
   (Note: shellfish depend on phytoplankton for food, but harmful phytoplankton can prevent harvest/sales.)
7. Have you monitored suspended sediments or turbidity (e.g. water clarity/transparency using a secchi disc) at your proposed farm site? Yes ☐ No ☑ If yes, findings: _____
   (Note: This is used as rough check for microalgae densities, run-off, and glacial silt (milky- grey color).)
8. For on-bottom culture, are the bottom characteristics suitable for the proposed species? Yes ☐ No ☐
   Substrate and vegetation? _____
9. For on-bottom culture, how will bottom characteristics be made suitable if not already?
   _____
10. For suspended culture, is the water depth sufficient to prevent gear from grounding and impacting the benthos under floating structures? Depth of Gear (in ft): 7 Water depth at low tide (in ft): 32
11. Is your proposed site more than 300 ft from an anadromous fish stream? Yes ☑ No ☐
12. Are you aware of any eelgrass or kelp beds on or near your proposed farm site? Yes ☑ No ☐ If yes, describe:
    The entirety of Seldovia Bay has kelp beds. The species to be produced grows abundantly in the area.
13. For farming using on-bottom culture methods, is there insignificant wild stock of the species to be cultured on the proposed farm site? (Reference 5 AAC 41.235) Yes ☐ No ☐ Additional Information
    _____
    _____
14. Are there existing uses near your proposed farm site such as boat traffic, existing fisheries or a sensitive area as listed in section C of Part 1, etc. that may be impacted by the farm operation? Yes ☑ No ☐ If yes, describe how your farm can be sited to mitigate conflicting uses?
    Seldovia Bay has frequent boat traffic. The site is located in an area out of the way of this traffic. The site is located in Kachemak bay critical habitat area. The site is located near a subsistence fishery. but is in an area not frequently used and outside the area available to m

F. KNOWN EXISTING USES

Please check the boxes below, to indicate existing human and/or wildlife uses observed or known to exist at or within one mile of the proposed farm site. Indicate the locations of these existing uses on the Site Plan Map if specific locations are known (refer to page 8, Section 3c).

- ☐ mining
- ☐ timber harvest or transfer
- ☐ residential use
- ☐ harbor development
- ☐ sheltered boat anchorage
- ☑ seaplane landing
- ☐ commercial lodges
- ☑ sightseeing
- ☑ recreation
- ☑ tourism
- ☐ historical/cultural/archaeological site
- ☐ other aquatic farm projects
- ☐ commercial fishing
- ☐ sport fishing
- ☐ salmon hatcheries
- ☐ hunting
- ☐ seafood processing plant
- ☐ upland access route(s) areas, bear trails, etc.
- ☑ wildlife use, (e.g. shorebirds, sea mammal haul-outs)
- ☑ subsistence; list species and frequency

subsistence set-net fishery; sockeye and pink salmon

- ☐ navigational channels: _____
- ☐ other; list _____

G. SUPPORT FACILITIES

1. Personnel/Caretaker Housing (additional annual fees apply)
   Are you proposing any personnel/caretaker housing? **Yes** ☐ **No** ☑

   If yes, the proposed size will be: _____ (Width) _____ (Length) _____ (Height)
   Please attach diagrams/drawings with labels clearly showing the Personnel/Caretaker housing.

   Note: you may stay a maximum of 14 consecutive days at your site on state-owned uplands or tidelands without applying for personnel/caretaker housing.

2. Enclosed Processing Facility
   Are you proposing any enclosed processing facility? **Yes** ☐ **No** ☑

   If yes, the proposed size will be: _____ (Width) _____ (Length) _____ (Height)
   Please be sure the processing facilities are included in the maps and diagrams described in the Maps and Diagrams section above.

3. Upland Property
   Do you currently own or lease upland property adjacent to, or near, the proposed farm site that you plan to use in conjunction with your proposal? **Yes** ☐ **No** ☑ **If yes**, attach a copy of ownership deed or lease.

   If you are the adjacent upland owner, are you applying for a preference right under 11 AAC 63.040(f)?
   Yes ☐ **No** ☑

H. CITY AND BOROUGH CONTACTS

1. City/Borough Authorization

If you are applying within a city or borough, please contact the appropriate authority as additional authorizations may be required from them. Please provide the name, address, and telephone number of the person(s) you contacted and list any required authorizations.

	CITY/BOROUGH	PHONE	CONTACTED?
☐	City of Cordova	907-424-6220	Yes ☐ No ☐
☐	City of Klawock	907-755-2261	Yes ☐ No ☐
☐	City and Borough of Wrangel	907-874-2381	Yes ☐ No ☐
☐	City of Craig – Planning & Zoning	907-826-3275	Yes ☐ No ☐
☐	City and Borough of Juneau – Permit Center	907-586-5252	Yes ☐ No ☐
☐	City and Borough of Sitka – Planning & Community Development	907-747-1814	Yes ☐ No ☐
☐	City of Thorne Bay	907-828-3380	Yes ☐ No ☐
☐	City and Borough of Yakutat – Planning & Zoning Commission	907-784-3323	Yes ☐ No ☐
☑	Kenai Peninsula Borough – Land Management Division	907-714-2205	Yes ☑ No ☐
☐	Kodiak Island Borough – Community Development	907-486-9363	Yes ☐ No ☐
☐	Lake and Peninsula Borough – Community Development	907-246-3421	Yes ☐ No ☐
☐	Aleutians East Borough – Permitting	907-383-2699	Yes ☐ No ☐
☐	Ketchikan Gateway Borough – Planning & Community Development	907-228-6610	Yes ☐ No ☐
☐	Haines Borough	907-766-6401	Yes ☐ No ☐

Type of Authorization required by City or Borough: KPB said no authorization needed

I. WATER QUALITY INFORMATION – Department of Environmental Conservation

1. Do you plan to use a boat on your farm site? Yes ☑ No ☐ If yes, indicate the type of marine sanitation device. waste will not be created or disposed of on site.
2. If you plan to have personnel housing or caretaker facilities:
   Will wastewater be discharged from these facilities? Yes ☐ No ☑ If yes, what are the daily maximum and average discharge volumes? Maximum _____ Average _____
3. Were there any sources of past pollution at the site, such as a shore-based seafood processor, log transfer facility, industrial facility, oil spill contamination, or town or village? Yes ☐ No ☑ Unknown ☐
   If yes, identify:
   a. The type of previous use (e.g. mine, village, seafood processor, oil spill).

      _____

      _____

   b. The last known date of use. _____
   c. The distance from site previously used to your proposed site.

      _____

4. Are you aware of any current potential sources of human or industrial pollution in the area? (e.g. sewage outfalls, oil contamination, industrial transfer facilities upland operations, boar harbors, etc.)
   Yes ☐ No ☑ If yes, describe:
   a. The type of discharge(s).

   b. The location and distance from your site.

   c. The name of the discharger(s), if known.

5. Are you aware of any other planned development in the general area of your proposed site?
   Yes ☐ No ☑ If yes, describe the planned development.

6. ADEC <u>may</u> request that you provide a map for certain projects to show the following information:
   a. areas of wastewater disposal systems, including both sewage and grey water discharge points (grey water means domestic wastewater from laundry, kitchen, etc., which does not contain human waste)
   b. location of drinking water, including drinking water wells or other drinking water system sources (fresh water and salt water), within 200 feet of any proposed or existing wastewater disposal systems
   c. location of solid waste storage and disposal sites (Note: you are encouraged to use existing permitted sites for the disposal of solid wastes. If there are not any existing permitted disposal sites in the area and they are necessary in your operation, you must contact the ADEC for authorization)
   d. areas used for fuel and chemical storage

J. APPLICATION SIGNATURE BLOCK

AQUATIC FARM APPLICATION SIGNATURE AND PROGRAM CERTIFICATION STATEMENT

The information contained in this aquatic farm application is true and complete to the best of my knowledge and I certify that the proposed activity complies with and will be conducted in a manner consistent with all State and Federal Agency policies and regulations. I understand that modifications to the proposed activity may require additional review and that I may need to apply for additional authorizations.

This certification statement does not provide authorization necessary to sell my product. I understand I must separately apply for and hold a Growing Area Certification and a Shellfish Harvester or Shellfish Dealer Permit from the Department of Environmental Conservation.

Printed Name Harmony Payton

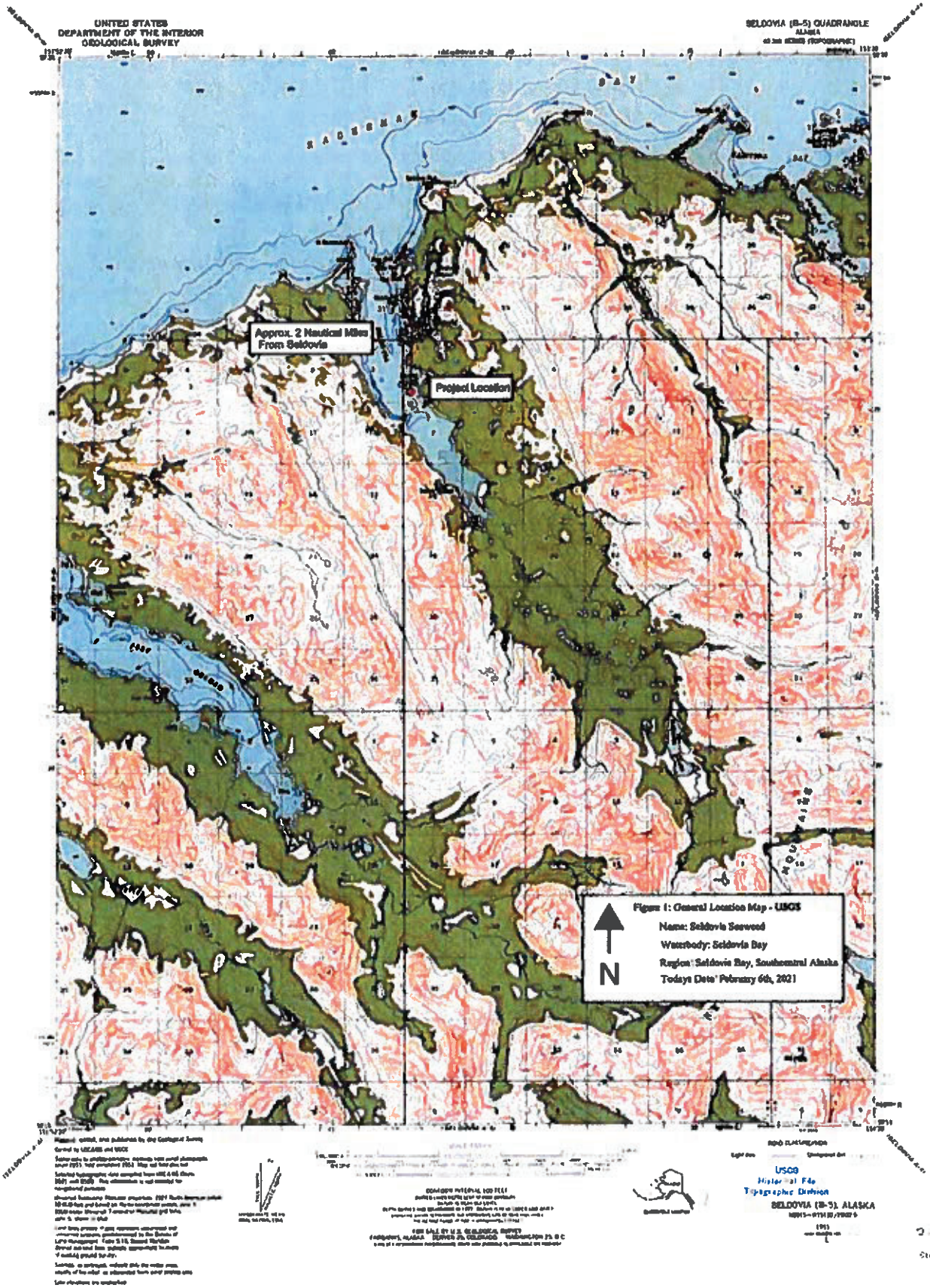
Signature of Applicant Harmony Payton Date 4/30/2023

Printed Name Stephen Payton

Signature of Applicant Stephen Payton Date 4/30/2023

☑ I have enclosed the application fee required under 11 AAC 05.230(d)(3)(A)

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. 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 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.


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
SELDOVIA (B-5) QUADRANGLE
ALASKA
SADDLEMAN
BAY
Approx. 2 Nautical Miles
From Seldovia
Project Location
N
Figure 1: General Location Map - USGS
Name: Seldovia Seaweed
Waterbody: Seldovia Bay
Region: Seldovia Bay, Southcentral Alaska
Todays Date: February 6th, 2021
USGS
Historical File
Topographic Division
SELDOVIA (B-5), ALASKA

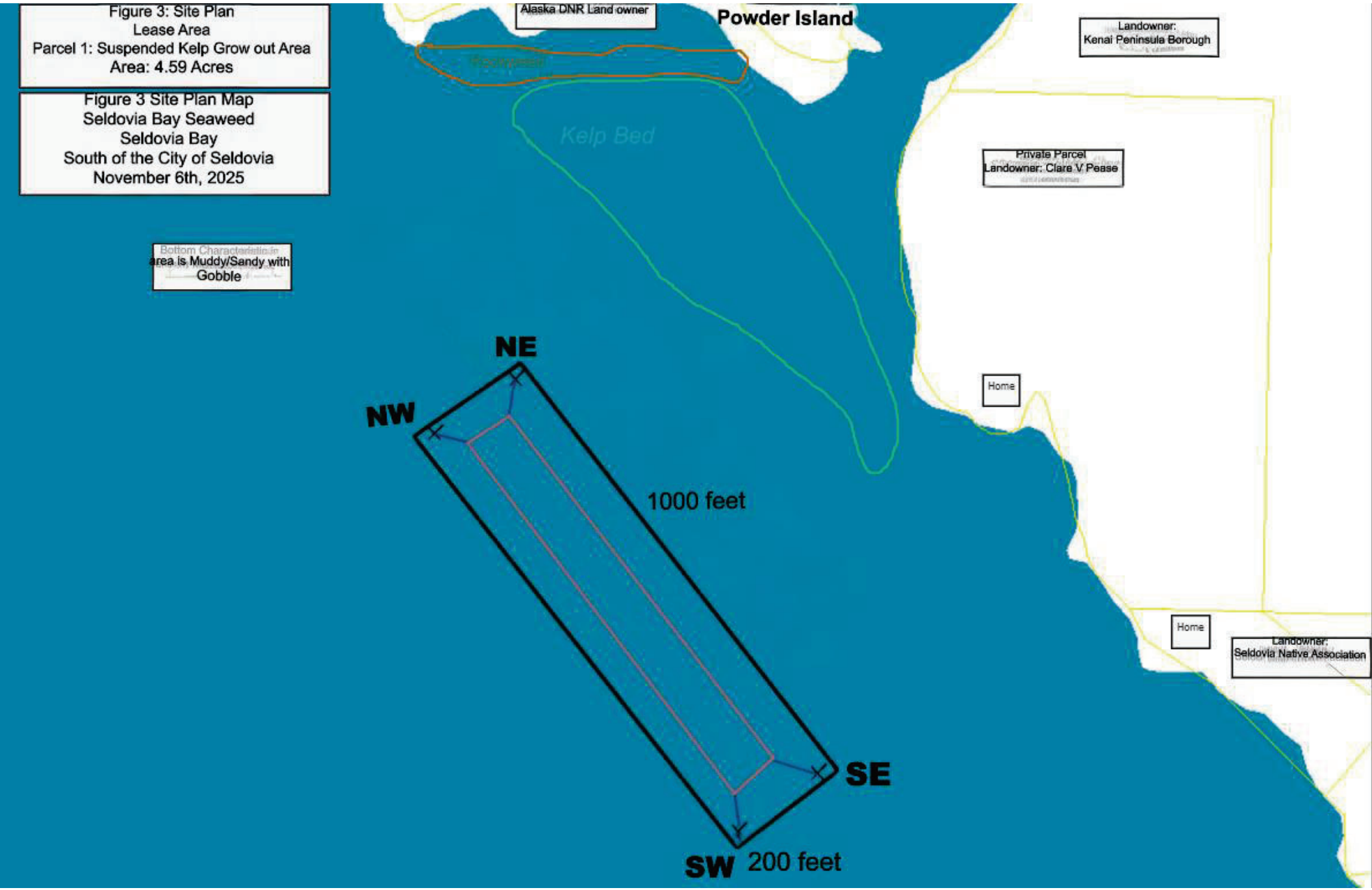
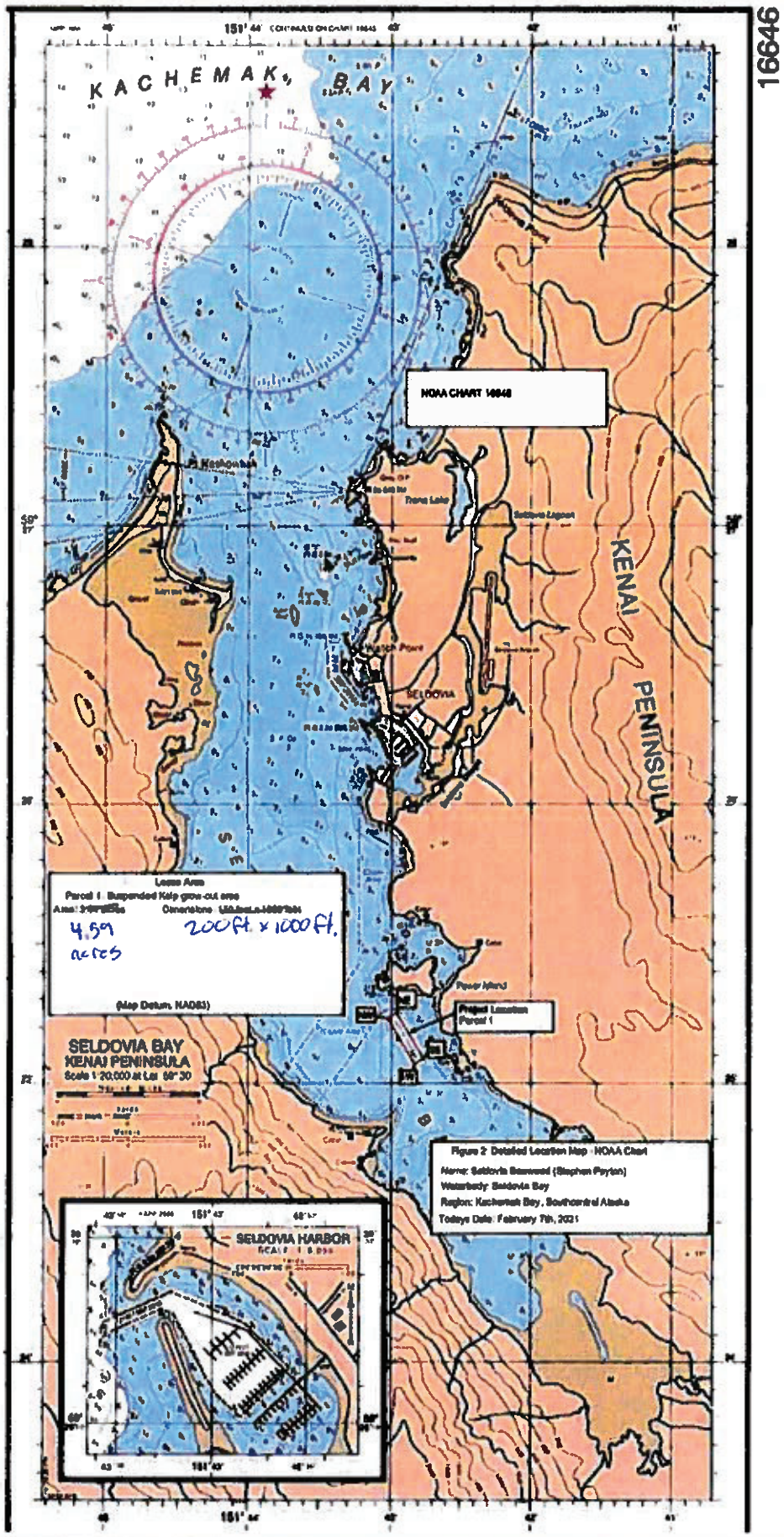
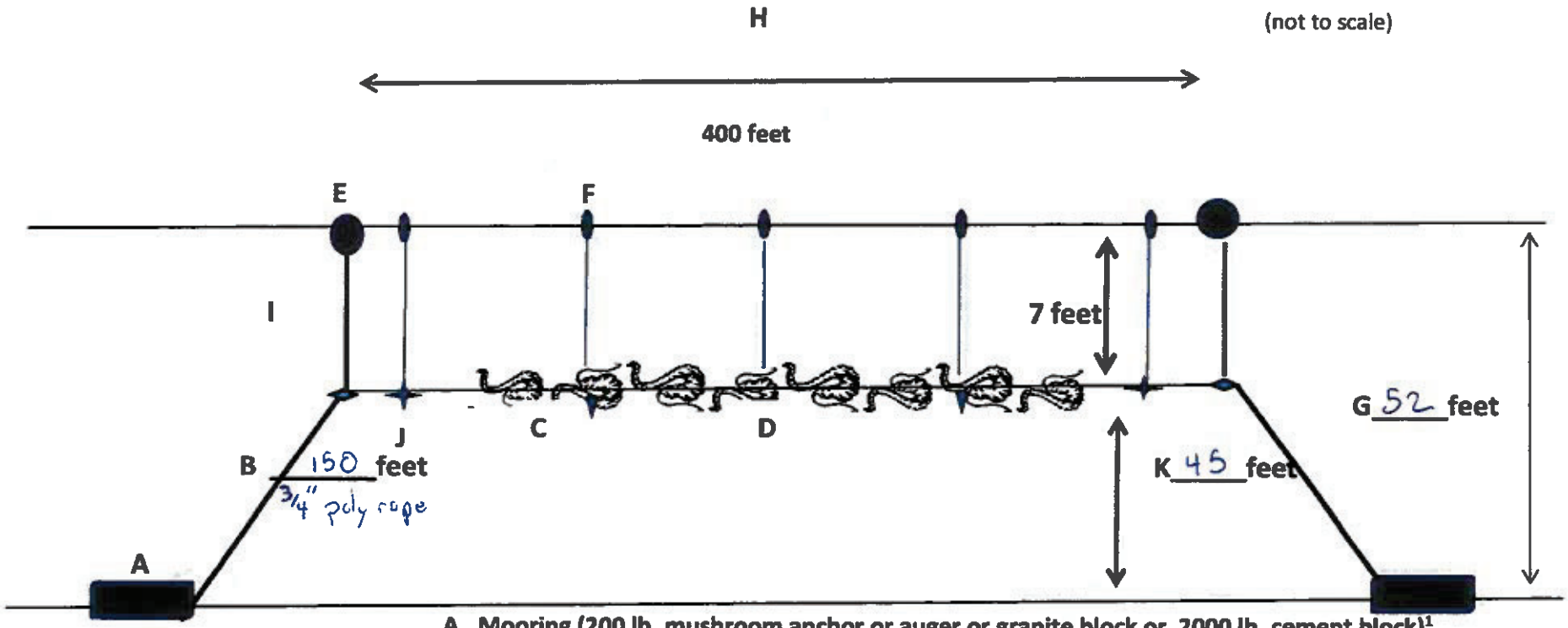


Figure 3: Site Plan
Lease Area
Parcel 1: Suspended Kelp Grow out Area
Area: 4.59 Acres
Figure 3 Site Plan Map
Seldovia Bay Seaweed
Seldovia Bay
South of the City of Seldovia
November 6th, 2025
Bottom Characteristic in area is Muddy/Sandy with Gobble
Alaska DNR Land owner
Powder Island
Landowner: Kenai Peninsula Borough
Kelp Bed
Private Parcel Landowner: Clare V Pease
Home
Home
Landowner: Seldovia Native Association
NE
NW
SE
SW
1000 feet
200 feet


16646
KACHEMAK BAY
KENAI PENINSULA
SELDOVIA
NOAA CHART 16646
Lease Area
Parcel 1 Suspended Kelp grow-out area
4.59 acres
200ft. x 1000 ft.
(Map Datum: NAD83)
Project Location Parcel 1
SELDOVIA BAY
KENAI PENINSULA
Scale 1:20,000 at Lat 59° 30
SELDOVIA HARBOR
Figure 2 Detailed Location Map - NOAA Chart
Name: Seldovia Seaweed (Stephen Peyton)
Waterbody: Seldovia Bay
Region: Kachemak Bay, Southcentral Alaska
Todays Date: February 7th, 2021

Name: Seldovia Seaweed
Water Body: Seldovia Bay
Region: Kachemak Bay, Southcentral Alaska
Date: 10/26/2023

Figure 4a. Cross-sectional view Alaskan Sugar Kelp Longline (grower fill in depth G and L)



A. Mooring (200 lb. mushroom anchor or auger or granite block or 2000 lb. cement block)[1]
B. Grower fill in anchor line length and materials (3/1 scope typical)
C. 7/16 inch seeded kelp poly line 400 feet long and 7 feet below the surface
D. 5-10 lb. cement weights or three holed bricks to keep kelp 7 feet below surface
E. Surface mooring ball 18 inch diameter 100 lb. displacement
F. 5/16 inch poly depth 7' control line (dropper), 6x14 inch foam surface buoy and weight (D)
G. Water depth at low tide H. Longline section (400 feet typical, grower fill in if different)
I. 7 feet ½ inch chain to shackle. J. Line holdfast K. Distance from kelp longline to bottom

[1] Mooring detail to be filled out by grower in Figure 5.

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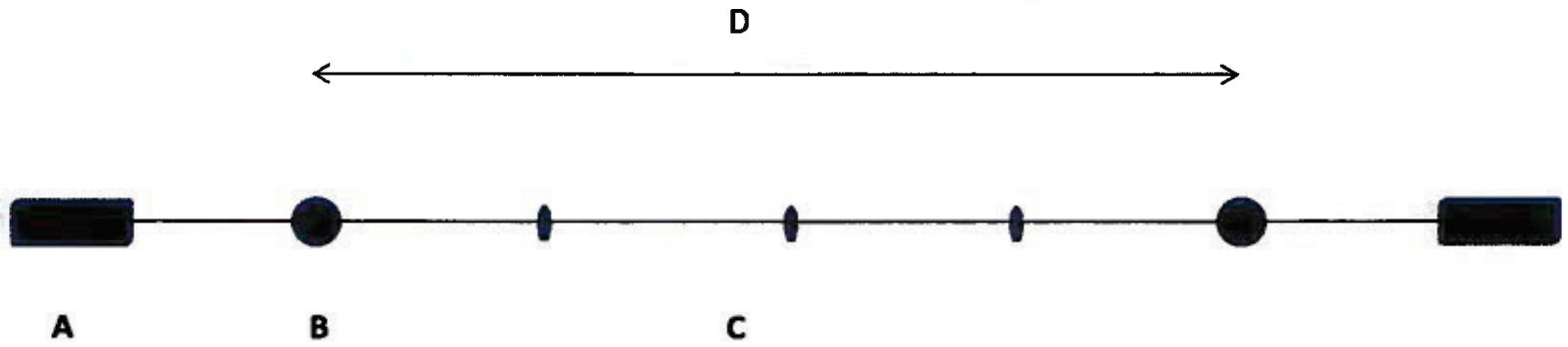
Figure 4b. Detailed Drawing - Plan view Alaskan Sugar Kelp Longline

(not to scale)



A	**Mooring**
B	**Mooring buoy**
C	**Kelp longline with surface buoys**
D	**400 foot kelp longline section (grower fill in if different)**

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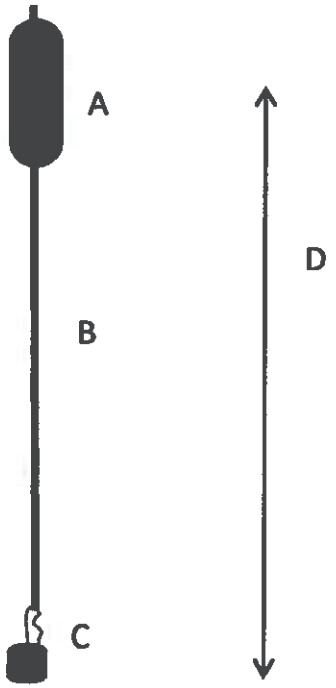
Figure 4c. Detailed Drawing - Details on kelp depth control line dropper



A. 6 x 14 inch lobster buoy
B. 1 inch pvc pipe with a lobster spindle washer and figure 8 knot of 5/16 poly rope on each end
C. 10 lb. cement weight from ½ gallon paint bucket with knotted 5/16 poly loop or 3-holed brick
D. 7 foot length

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Figure 5 Detailed Drawing - Anchoring system with configuration and poundage (fill in and /or add anchor drawing).