For Office Use Only	ADNR File No:	ADL 234314	DATE STAMP:	Date recvd:2/22/24 Edits recvd: 9/26/24 Edits recvd: 5/20/25
	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

Chenega Regional Development Group, LLC
Name

Chenega Regional Development Group, LLC
Business Name (If Applicable)

3000 C St. Suite 301
Mailing Address (PO Box or Street Address)

Anchorage, AK 99503
City State Zip

Marc.Stover@chenega.com
Email Address

907.277.5706
Home/Office Phone Cell Phone

Private Information

Private Information
Contact Phone Number

Business Partner Name (If applicable)

Business Partner Email Address (If applicable)

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: 5/20/25

Company Name

Chenega Regional Development Group, LLC

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 proposed aquatic farmsite is composed of two parcels located on state owned submerged lands totaling about 53.4 acres. The proposed farm is located about two miles from the Native Village of Chenega on the Southern tip of Evans Island near Elrington Passage.

Site Dimensions, Acres for Each Parcel

Pacel 1 measures 1,082' x 1741', 43.2 acres
Parcel 2 measures 524' x 847', 10.2 acres

Total Acres of All Parcels

53.4 acres

Species You Intend to Farm [*Include scientific and common species name*]

Pacific oyster, Magallana gigas

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.*]

Pacific oysters will be hung from longlines in suspended ten-tier Aqua-Pacific cages in about 60' of water. Culture methods will include planting of seedstock into oyster cages, removing oysters from cages for grading, washing, and thinning during the growing season. Oysters will be washed and tumbled to create a desirable shell shape, meat quality and shell thickness. Oyster gear will be dried to control biological fouling and allow maximum flow of water into the gear. Washing and tumbling will be done on the work rafts on site and on Chenega owned vessels. Cage drying/storing will happen on work rafts and near-by Chenega owned lands.

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.*]

Pacific oysters will be grown using the method of suspended longline culture on a proposed 53.4-acre farmsite composed of two parcels.

Parcel 1 will hold a total of 10 double longlines, each 800 feet in length. These double longlines are composed of two parallel 800-foot lines connected by 60 double back longline buoys attached every 10 feet. At each end, the parallel lines connect to 200 feet of 1 1/8" scope, followed by 50 feet of 1" chain, and anchored by a 1,500-pound Danforth anchor. Parcel 1 will have 20 anchors for the 10 double longlines and 2 additional anchors for the work rafts for a total of 22 anchors.

Parcel 2 will hold a total of 6 double longlines, each 500 feet in length. These double longlines are composed of two parallel 500-foot lines connected by 50 double back longline buoys attached every 10 feet. Similar to Parcel 1, the parallel lines connect at each end to 200 feet of 1 1/8" scope, followed by 50 feet of 1" chain, and anchored by a 1,500-pound Danforth anchor. Parcel 2 will have 12 anchors for the 6 double longlines.

Each double longline will accommodate up to 150 ten-tier wire mesh Aqua-Pacific cages, alternately spaced on one of the two 1" lines every 8 feet. Parcel 1 will accommodate up to 1,500 Aqua-Pacific cages, and Parcel 2 will accommodate up to 900 Aqua-Pacific cages, for a total of 2,400 cages across the entire farmsite. The suspended gear will include ten-tier wire mesh Aqua-Pacific cages, with each individual tier measuring 24" wide x 24" long x 5" tall and the entire ten-tier cage measuring 50" tall. These cages will hang about 4 feet below the water' s surface by a bridle.

The proposed two parcels will be developed in stages. Initially, two double longlines will be planted with 20-25mm oysters, which will be harvested in the third to fourth year. Every year, the farm size will increase by two additional double longlines until full size is achieved in year 8, with a total of 16 double longlines across the two parcels. The gear is intended to remain installed year-round.

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.]*

Pacific oyster seed will be obtained from an approved seed source.

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.*]

Harvesting will occur year-round with transport of product from Chenega to Whittier and Seward by boat. The farm intends to harvest a maximum of 3 million oysters per year or 57,000 oysters on average every week. Oyster harvest is within three to four years after initial planting, occurring 1-3 times per week, year-round. Oysters will be harvested, washed, sorted, and transported in insulated fish totes with ice using telehandlers and cranes to main ports in Seward and Whittier.

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

Work rafts will be located in the most protected northern section of parcel 1. The proposed farm includes up to 4, 40' x 40' work rafts oriented inline, constructed of untreated wood with polystyrene foam filled hard plastic floats. These rafts will be used as support facilities for storing equipment, drying gear, and as work platforms, and may include work boats traveling to the site. The four inline rafts will be attached together by 25' of 1" chain. At the farthest ends of the inline rafts will be a center-mounted connection to 200' of 1 1/8" line to 50' of 1" chain, finally connecting to a 1,500 lb Danforth anchor on each end (2 anchors in total for the 4 inline work rafts). Gear would remain in place year-round.

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

Access is by boat from the Native Village of Chenega

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

Storage location of equipment and gear will be on upland property owned by Chenega Corporation. Gear may also be stored on the 40' x 40' work rafts located in parcel 1. Upland facilities and support structures will be located on Chenega Corporation lands.

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 25 (days/month) **Off months** 8 (days/month)

   b. How will you keep the gear and shellfish free of fouling organisms (hot-dip, air dry, pressure washing, etc.)?
      The gear and shellfish will be kept free of fouling by air drying and gear rotation. The gear may also be washed on farm with salt water periodically through pressure washing.

   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)?
      The farm will manage reduction of competing species such as blue mussels, arctic rock borers and sea squirts through drying, timing of planting and grading.

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

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

2. **Projected Harvest Rotation Consistent with Life History**
   a. How often do you intend to harvest your product by species?
      Oyster harvest is within three to four years after initial planting, occurring 1-3 times per week, year-round.

   b. Do you plan on utilizing density manipulation by culling or redistribution?
      The farm intends to manage oyster stocking density through grading, culling, and redistribution at lower densities as oysters mature.

c. What techniques will be used to optimize growth or condition of product?
To optimize growth the oysters will be tumbled, washed, and sorted frequently.

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.)
NA

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)?
Husbandry and growing techniques will improve production. Control of fouling species through drying, tumbling, and redistribution of oysters into dry gear to reduce competition.

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	60°02.576'	Longitude 148°02.334'
	SE Corner No. 2: Latitude	60°02.304'	Longitude 148°02.537'
	SW Corner No. 3: Latitude	60°02.378'	Longitude 148°02.878'
	NW Corner No. 4: Latitude	60°02.635'	Longitude 148°02.650'
Parcel 2: Grow Out Area (e.g. Hardening Area	NE Corner No. 1: Latitude	60°02.211'	Longitude 148°03.229'
	SE Corner No. 2: Latitude	60°02.079'	Longitude 148°03.323'
	SW Corner No. 3: Latitude	60°02.110'	Longitude 148°03.485'
	NW Corner No. 4: Latitude	60°02.240'	Longitude 148°03.390'
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

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: 1082 (Width of Parcel 1) feet (x) 1741 (Length of Parcel 1) feet = 1883762 (Area) square feet (÷) 43,560 = 43.2 (Acres)

Parcel 2: 524 (Width of Parcel 2) feet (x) 847 (Length of Parcel 2) feet = 443828 (Area) square feet (÷) 43,560 = 10.2 (Acres)

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

How many total acres of state-owned tidelands are you applying for (add all parcel acres): 53.4 **(Total Acreage)**

If you are **also** applying for **state owned uplands for support facilities**, how many total upland acres? _____ **(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:

- ☒ USGS Map Name (e.g. Craig B-4) Seward A-3
- ☒ 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:

- ☒ NOAA Chart No. 16700
- ☒ 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:

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

- ☒ Distance from bottom of gear to ocean bottom at mean lower low tide

  If suspended or on-bottom culture:
  - ☒ water depth at low tide
  - ☒ major on-bottom physical features (sand, mud, silt, clay, bedrock, cobble, shells, rockweed, algae/seaweed) and contours
- ☒ Dimensions of the anchoring configuration and poundage
- ☒ Scale
- ☐ 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:

- ☒ Draw and label the dimensions (length/width/height) of all proposed gear and equipment
- ☒ 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:** good algae concentrations
   (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:** turbid during algae blooms but clear otherwise
   (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? NA
9. For on-bottom culture, how will bottom characteristics be made suitable if not already?
   NA
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): 10' Water depth at low tide (in ft): 60'
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:

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
    NA

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?
    There is commercial fishing and sporadic transit boat traffic though Elrington Passage but the proposed farmsite is located away from the main channel and boat traffic.

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

_____

☐ 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: Native Village of Chenega has authorized our work.

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. MSD type II holding tank
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).
      EVOS impacted
   b. The last known date of use. 1989
   c. The distance from site previously used to your proposed site.
      On 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 Marc William Stover

Signature of Applicant MWStover **Date** 5/14/25

Printed Name _____

Signature of Applicant _____ **Date** _____

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

fees previously paid

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.

Attachment 1

Chenega Regional Development Group, LLC

Elrington Passage, Western Prince William Sound, Alaska

Project Description

The proposed aquatic farmsite is composed of two parcels located on state-owned submerged lands, totaling about 53.4 acres. The proposed farmsite is located about 2 miles from Chenega on the southern end of Evans Island. This site is semi-exposed. Chenega Corporation maintains upland ownership in the area. The shoreline is exposed bedrock, gravel beach, and muskeg. The seafloor is rocky. The area sees limited commercial fishing activity.

Parcel 1 of the proposed growing area measures 1,082' x 1,741' (43.2 acres) and will be used for suspended culture of Pacific oysters, *Magallana gigas.* The parcel will hold a total of 10, 800' double longlines. Each double longline will be composed of 2, 800' of 1" parallel polylines with double back hard plastic buoys measuring 4.1' long by 2.2' wide spaced every 10'. Each double longline will accommodate 150 ten-tier Aqua-Pacific cages made of 1" plastic coated wire, measure 50" high by 24" wide and 24" deep spaced every 8'. The longlines will be connected at each end to 200' of 1 1/8'' scope connected to 50' of 1'' chain connected to a 1,500 pound Danforth anchor. 20 anchors for the 10 double long lines, and 2 more anchors for the work rafts noted below, 22 anchors total for Parcel 1. The entire parcel will accommodate up to 1,500 ten-tier cages. The cages will hang about 4' below the water's surface in about 60' of water.

Parcel 2 of the proposed growing area measures 524' x 847' (10.2 acres) and will be used for suspended culture of Pacific oysters, *Magallana gigas*. The parcel will hold a total of 6, 500' double longlines. Each double longline will be composed of 2, 500' of 1" parallel polylines with double back hard plastic buoys measuring 4.1' long by 2.2' wide spaced every 10'. Each double longline will accommodate 150 ten-tier Aqua-Pacific cages made of 1" plastic coated wire, measure 50" high by 24" wide and 24" deep spaced every 8'. The longlines will be connected at each end to a 200' of 1 1/8" scope connected to 25' of 1" chain connected to a 1,500 pound Danforth anchor. 12 anchors for the 6 double long lines, 12 anchors total for Parcel 2. The entire parcel will accommodate up to 900 ten-tier cages. The cages will hang about 4' below the water's surface in about 60' of water.

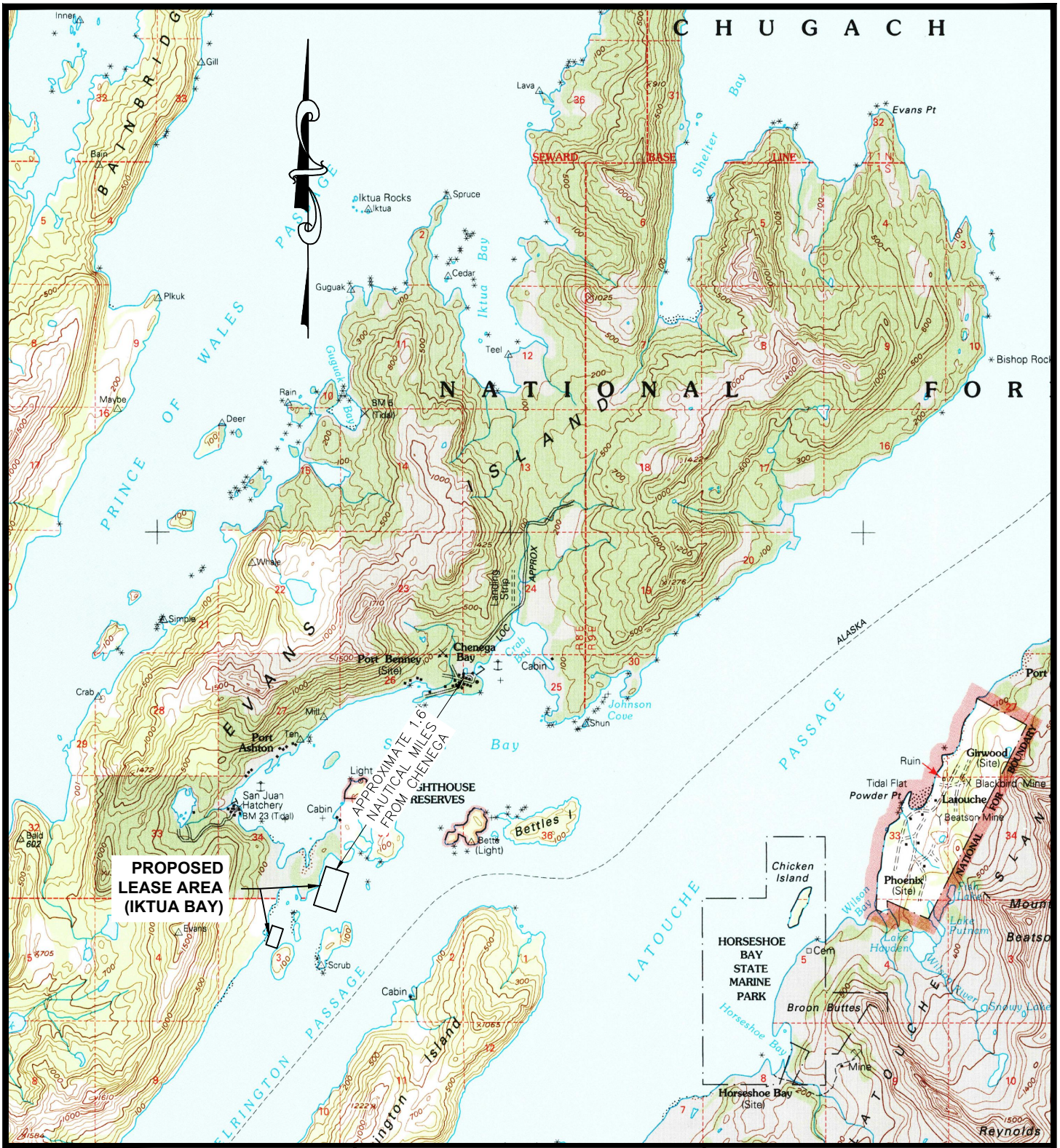
The proposed 2 parcels would be developed in stages. We will plant two double longlines with 20-25mm oysters, harvesting them in the third to fourth year of growth. Every year we will increase our farm size by two additional double longlines until full size is achieved in year 8 with 16 double longlines over the 2 parcels.

Operational activities at the proposed farmsite would occur year-round with an increase in activity during the summer months (May-October). During the growing months oysters will be graded, tumbled, washed, culled, and restocked. Gear will be kept free of fouling through washing and drying. Planting of oysters (20-25mm) from an approved seed source will occur each year between May and July. These oysters will be kept in cages with 1/8" mesh for the first

year. During the second year, oysters will be restocked into cages with ¼” mesh, at the end of the season they will be transferred to ½” mesh until the following year when they can be transferred directly in the 1” cages. Oyster harvest is within three to four years after initial planting, occurring 1-3 times per week, year-round. Harvesting will occur year-round, although processing at the farmsite would be limited to washing, the majority of product will be brought elsewhere for final bagging and packaging. Total production capacity of parcel one and two would be 3 million oysters per year.

Work rafts will be located in the most protected northern section of parcel 1. The proposed farm includes up to 4, 40' x 40' work rafts oriented inline, constructed of untreated wood with polystyrene foam filled hard plastic floats. These rafts will be used as support facilities for storing equipment, drying gear, and as work platforms, and may include work boats traveling to the site. The four inline rafts will be attached together by 25' of 1'' chain. At the farthest ends of the inline rafts will be a center-mounted connection to 200' of 1 1/8'' line to 50' of 1'' chain, finally connecting to a 1,500 lb Danforth anchor on each end (2 anchors in total for the 4 inline work rafts). Gear would remain in place year-round.

Upland facilities and support structures are on private Chenega Corporation owned lands. Access to the site is by skiff. Equipment and gear storage will be located on our private uplands or work rafts.



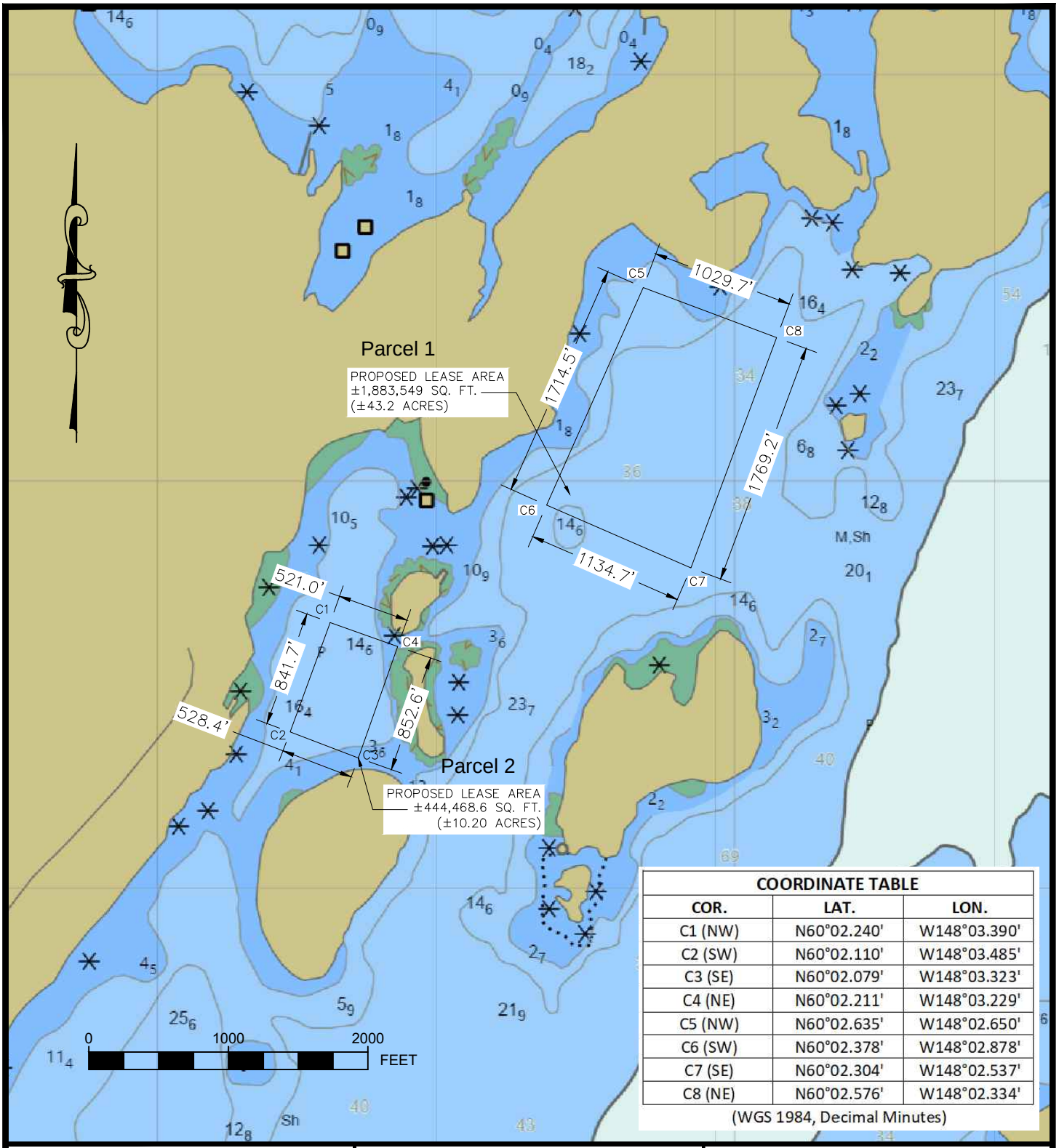
APPLICANT:
CHENEGA RDG
3000 C STREET
ANCHORAGE, AK 99503

FIGURE 1
GENERAL LOCATION MAP
ELRINGTON PASSAGE
WESTERN P.W.S.

LOCATION:
SEC. 34 & 35, T.1S., R.8E., S.M.
SEC. 2 & 3, T.2S., R.8E., S.M.
USGS QUAD: SEWARD A–3

FIGURE 1 OF 5

JANUARY, 2024 SCALE: N/A



COORDINATE TABLE		
COR.	LAT.	LON.
C1 (NW)	N60°02.240'	W148°03.390'
C2 (SW)	N60°02.110'	W148°03.485'
C3 (SE)	N60°02.079'	W148°03.323'
C4 (NE)	N60°02.211'	W148°03.229'
C5 (NW)	N60°02.635'	W148°02.650'
C6 (SW)	N60°02.378'	W148°02.878'
C7 (SE)	N60°02.304'	W148°02.537'
C8 (NE)	N60°02.576'	W148°02.334'

(WGS 1984, Decimal Minutes)

APPLICANT:
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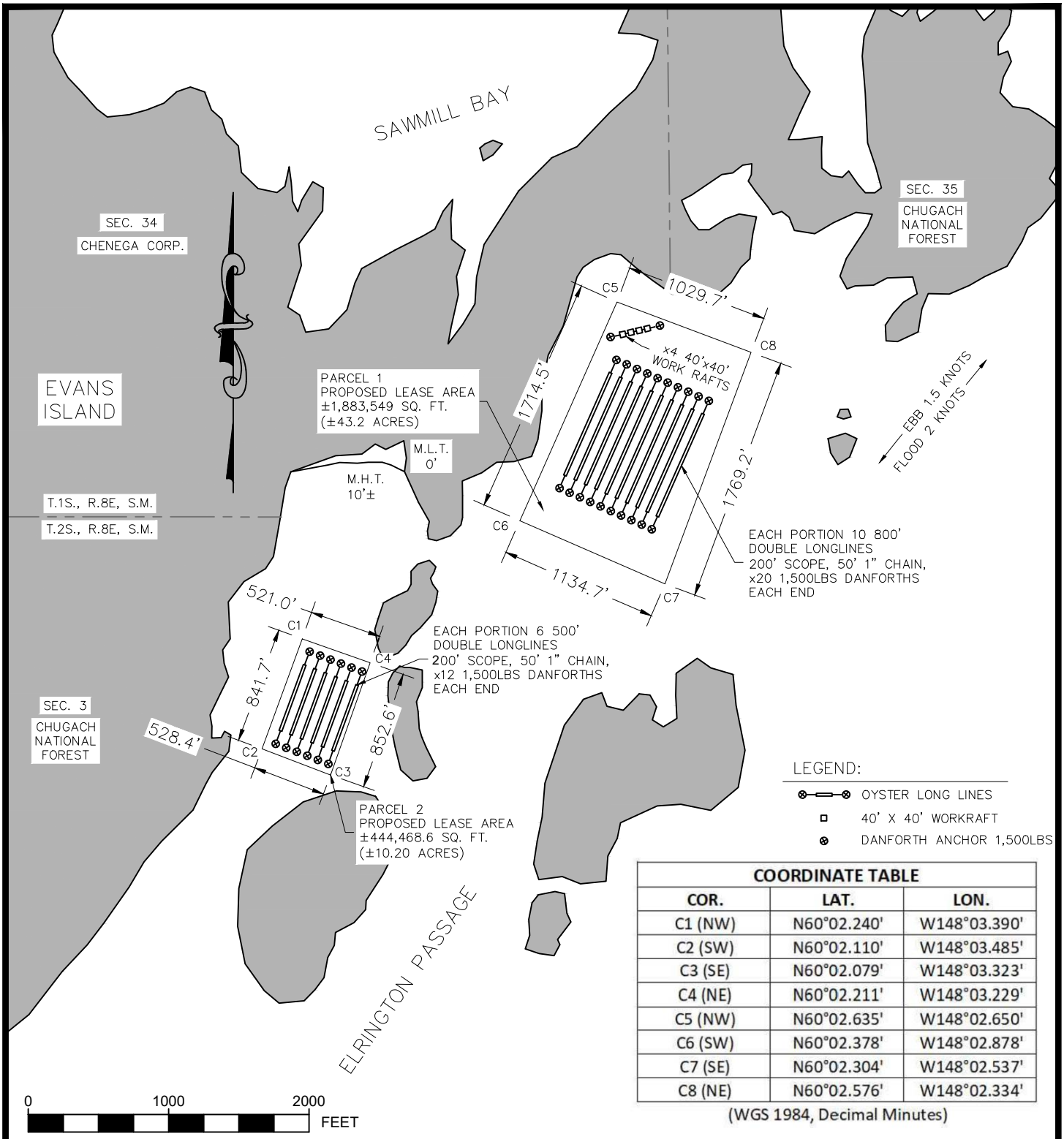
3000 C STREET
ANCHORAGE, AK 99503

FIGURE 2
DETAILED LOCATION MAP
ELRINGTON PASSAGE
WESTERN P.W.S.

LOCATION:
SEC. 34 & 35, T.1S., R.8E., S.M.
SEC. 2 & 3, T.2S., R.8E., S.M.
NOAA CHART: 16700
(IMAGE FROM A.O.O.S. SITE)

FIGURE 2 OF 5

JANUARY, 2024 SCALE: N/A



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(WGS 1984, Decimal Minutes)

APPLICANT:
CHENEGA RDG
3000 C STREET
ANCHORAGE, AK 99503

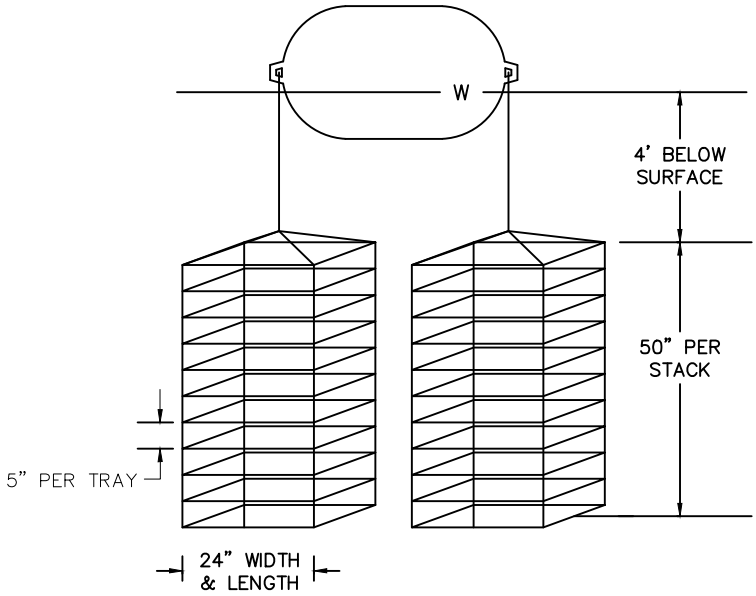
FIGURE 3
SITE PLAN DIAGRAMS
ELRINGTON PASSAGE
WESTERN P.W.S.

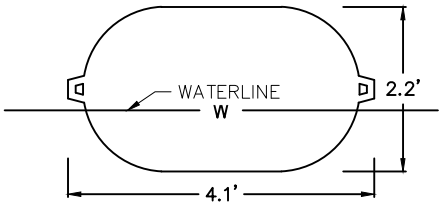
LOCATION:
SEC. 34 & 35, T.1S., R.8E., S.M.
SEC. 2 & 3, T.2S., R.8E., S.M.
USGS QUAD: SEWARD A–3

FIGURE 3 OF 5

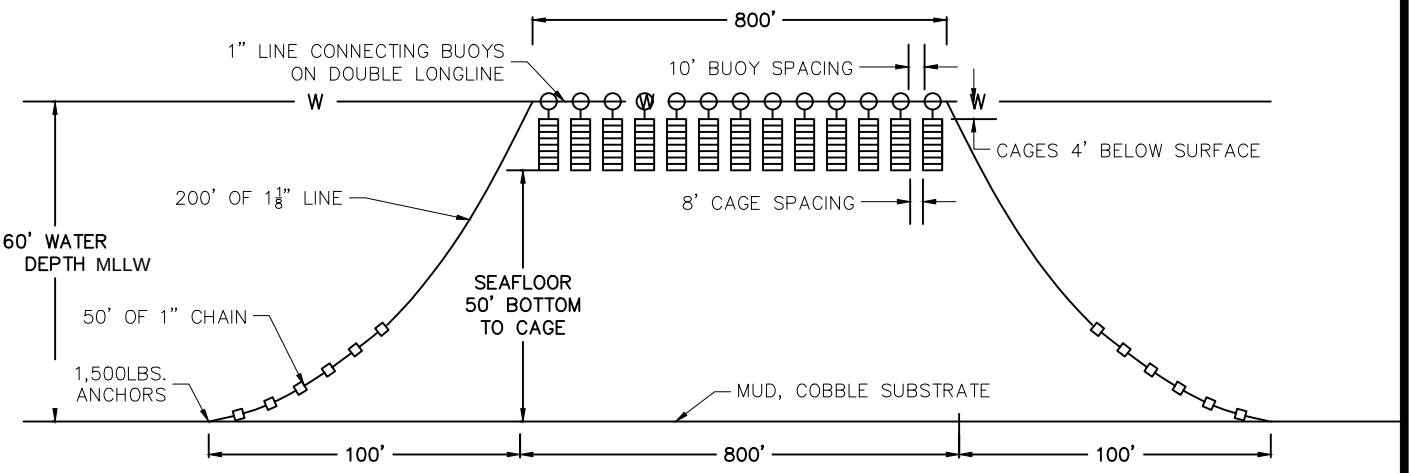
JANUARY, 2024 SCALE: N/A

DETAIL OF AQUA PACIFIC
WIRE MESH CAGE USED
FOR OYSTER CULTURE
N.T.S.





PROFILE VIEW OF DOUBLE
BACKED BUOYANCY
N.T.S.



A-----A CROSS-SECTIONAL VIEW OF LONGLINE SUSPENDED oyster cages
N.T.S.

APPLICANT:
CHENEGA RDG
3000 C STREET
ANCHORAGE, AK 99503

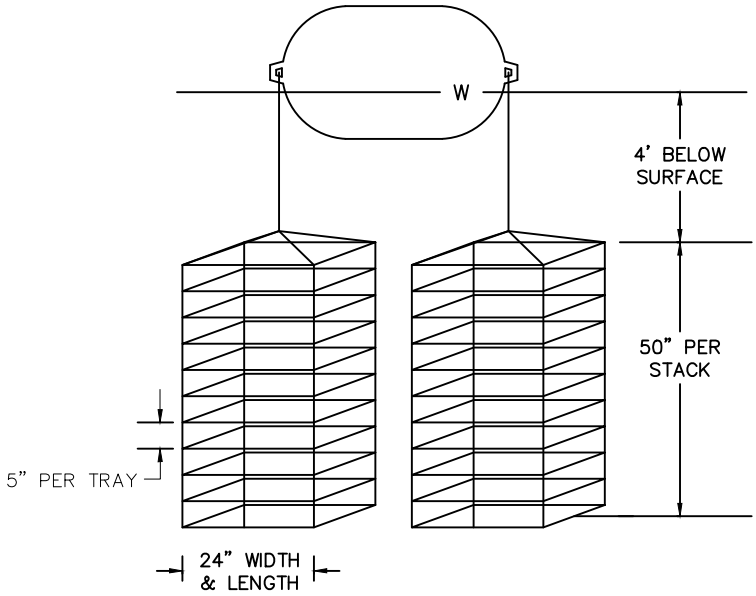
FIGURE 5
CROSS SECTION DIAGRAMS
Elrington Passage Parcel 1
WESTERN P.W.S.

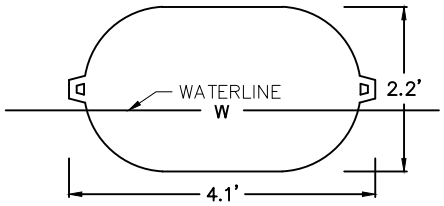
LOCATION:
SEC. 26, T.1S., R.8E, S.M.
USGS QUAD: SEWARD A–3

FIGURE 5 OF 5

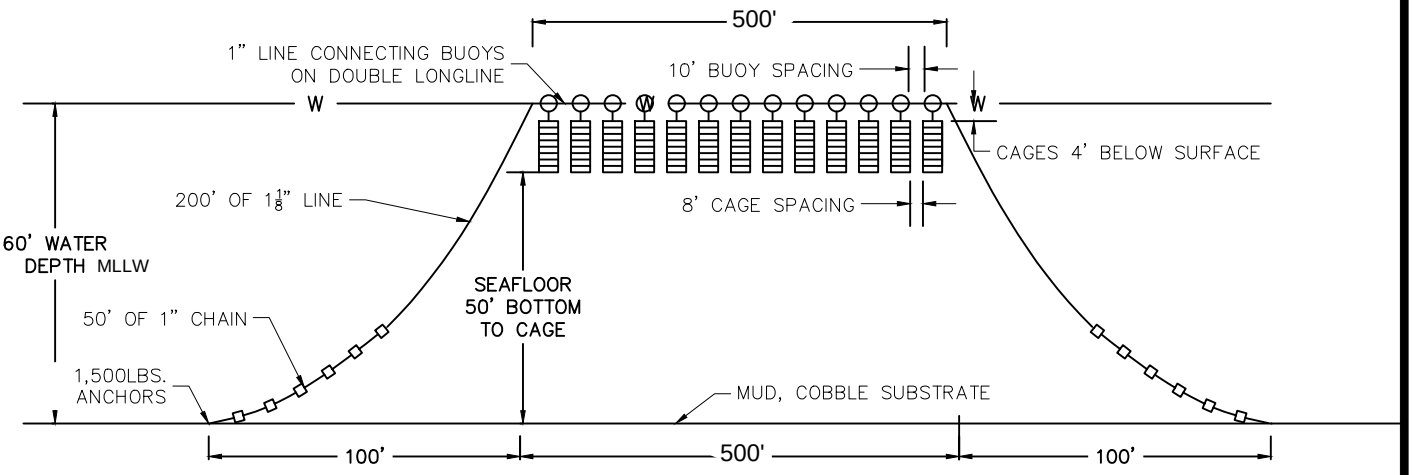
NOVEMBER, 2023 SCALE: N/A

DETAIL OF AQUA PACIFIC
WIRE MESH CAGE USED
FOR OYSTER CULTURE
N.T.S.





PROFILE VIEW OF DOUBLE
BACKED BUOYANCY
N.T.S.



A-----A CROSS-SECTIONAL VIEW OF LONGLINE SUSPENDED oyster cages
N.T.S.

APPLICANT:
CHENEGA RDG
3000 C STREET
ANCHORAGE, AK 99503

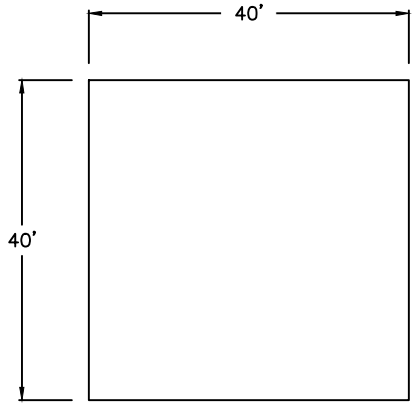
FIGURE 5
CROSS SECTION DIAGRAMS
Elrington Passage Parcel 2
WESTERN P.W.S.

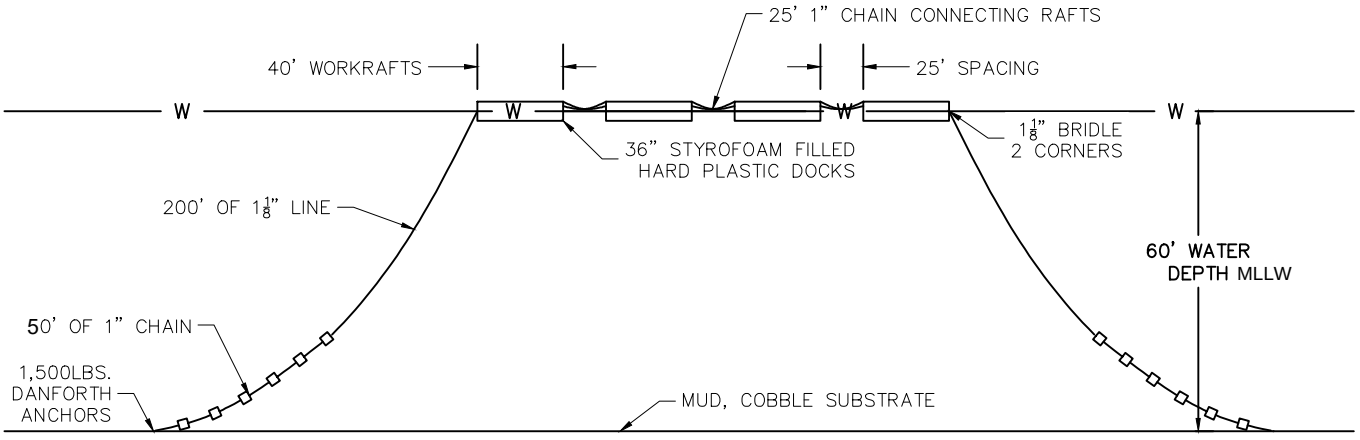
LOCATION:
SEC. 26, T.1S., R.8E, S.M.
USGS QUAD: SEWARD A–3

FIGURE 5 OF 5

NOVEMBER, 2023 SCALE: N/A

TOP VIEW OF 40' x 40' WORKRAFTS
N.T.S.





CROSS-SECTIONAL VIEW OF 40' x 40' WORKRAFTS
N.T.S.

APPLICANT: CHENEGA RDG 3000 C STREET ANCHORAGE, AK 99503	**FIGURE 5B** **WORKRAFT CROSS-SECTION DIAGRAMS** **WESTERN P.W.S.**	FIGURE 5 OF 5 JANUARY, 2024 SCALE: N/A