

**STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINING, LAND AND WATER
SOUTHCENTRAL REGION LAND OFFICE**

**PRELIMINARY BEST INTEREST FINDING
AQUATIC FARMSITE LEASE AMENDMENT**

**APPLICANT: Gary Ausec
ADL #107577
LOCATION: NW Tuxekan Island**

The Department of Natural Resources is accepting public comment on the following preliminary decision document for the renewal of an existing aquatic farm site. **Written comments must be received on or before 5:00 p.m., Tuesday, December 8, 2009.**

PROPOSED ACTION: The applicant is requesting an amendment to an existing aquatic farm lease to eliminate authorized suspended culture areas and hardening areas and relocate them outside the farm site boundary. The applicant is proposing a 45' x 1452' intertidal culture area adjacent to the northeastern side of Cap Island; a 365' x 208' culture area and a 50' x 100' hardening approximately ½ mile west of the authorized site. In addition a new 50' x50' dock with ramp will replace the existing dock and a 30' x 50' partially covered work-raft will be placed just southwest of the dock. The applicant is proposing to eliminate an authorized suspended culture area and hardening area approximately 1.2 miles southwest of the current upland site plus a 50' x 100' hardening area just east of the dock area.

The acreage for this portion of the farm site is 3.44 acres, more or less.

The applicant is also requesting retention of 10 intertidal shellfish sites from the eastern side of El Capitan Island to just north of Kwati Point on the northern portion of Tuxekan Island.

The total acreage for this portion of the farm site is .93 acres.

The combined total acreage of the farm site is 4.37 acres, more or less.

Access to the site is by boat. The proposed location is only accessible by boat or floatplane. A location map is attached to this decision.

AUTHORITY: AS 38.05.035; AS 38.05.070; AS 38.05.075; AS 38.05.083; AS 38.05.127;
AS 38.05.128; 11 AAC 63.020

This decision addresses and is based on those issues under the authority of the Department of Natural Resources (DNR) under Title 38. While other issues may be addressed that are not within the scope of DNR's responsibilities, this decision's purpose is to determine whether or not to issue a DNR lease and does not make any determinations whatsoever on the issuance of other agency authorizations that are necessary for aquatic farming activities.

ADMINISTRATIVE RECORD: The administrative record for this lease is file number ADL 107577

GEOGRAPHIC LOCATION: The proposed farmsite is located on state-owned tide and submerged lands in an unnamed bay south of El Capitan Island between Cap Island and the northwest shore of Tuxekan island in southeast Alaska and approximately 13 miles southeast of the community of Kake.

USGS MAP COVERAGE: Craig D-5 and Petersburg A-4 and Petersburg

NAUTICAL CHART: 17403

LEGAL DESCRIPTION:

Township 69 South, Range 79 East, Copper River Meridian,
And more specifically described as:

Township 69 South, Range 79 East, Copper River Meridian,

And more specifically described as:

Section 17: NW¼, along the southeast side of Cap Island; plus;
Section 9: S½, approximately 1 mile east of cap island in an unnamed bay
plus;

Tide and submerged lands on ten (10) separate beach sites for inter-tidal shellfish culture located north and west of the community of Naukati, from the eastern side of El Capitan Island to just north of Kwati Point on the northern portion of Tuxekan Island, and further described below, according to the site drawings attached hereto and made a part of this lease and labeled Attachment B, containing approximately .93 acres more or less

Beach Site # 1 90' x 61' 0.13 Acres

NE Corner No 1: 55 53.500 N 133 16.551 W
SE Corner No.2: 55 53.485 N 133 16.554 W
SW Corner No.3: 55 53.487 N 133 16.568 W
NW Corner No.4: 55 53.495 N 133 16.572 W

Township 69 South, Range 79 East, Section 11, CRM

Beach Site # 2 135' x 10' 0.03 Acres

NE Corner No 1: 55 53.510 N 133 16.615 W
SE Corner No.2: 55 53.505 N 133 16.621 W
SW Corner No.3: 55 53.524 N 133 16.655 W
NW Corner No.4: 55 53.528 N 133 16.650 W

Township 69 South, Range 79 East, Section 11, Copper River Meridian

Beach Site # 3 135' x 40' 0.12 Acres

NE Corner No.3: 55 54.716 N 133 15.620 W
SE Corner No.4: 55 54.709 N 133 15.608 W
SW Corner No 1: 55 54.707 N 133 15.646 W
NW Corner No.2: 55 54.716 N 133 15.641 W

Township 69 South, Range 79 East, Section 11, Copper River Meridian

Beach Site # 4 50' x 30' 0.03 Acres

NE Corner No 1: 55 56.459 N 133 19.062 W
SE Corner No.2: 55 56.442 N 133 19.045 W
SW Corner No.3: 55 56.441 N 133 19.072 W
NW Corner No.4: 55 56.450 N 133 19.077 W

Township 68 South, Range 78 East, Section 26, Copper River Meridian

Beach Site # 5 129' x60' 0.18 Acres

NE Corner No 1: 55 57.306 N 133 19.468 W
SE Corner No.2: 55 57.286 N 133 19.476 W
SW Corner No.3: 55 57.294 N 133 19.492 W
NW Corner No.4: 55 57.303 N 133 19.486 W

Township 68 South, Range 78 East, Section 22, Copper River Meridian

Beach Site # 6 74' x 30' 0.05 Acres

NE Corner No.3: 55 57.682 N 133 19.048 W
SE Corner No.2: 55 57.676 N 133 19.056 W
SW Corner No 1: 55 57.677 N 133 19.063 W
NW Corner No.4: 55 57.682 N 133 19.060 W

Township 68 South, Range 78 East, Section 22 and 23, Copper River Meridian

Beach Site # 7 32' x 30' 0.02 Acres

NE Corner No 1: 55 57.731 N 133 18.866 W
SE Corner No.2: 55 57.726 N 133 18.861 W
SW Corner No.3: 55 57.723 N 133 18.872 W
NW Corner No.4: 55 57.727 N 133 18.875 W

Township 68 South, Range 78 East, Section 23, Copper River Meridian

Beach Site # 8 87' x 20' 0.04 Acres

NE Corner No.3: 55 57.457 N 133 18.534 W
SE Corner No.4: 55 57.442 N 133 18.526 W

SW Corner No 1: 55 57.440 N 133 18.529 W
NW Corner No.2: 55 57.454 N 133 18.538 W

Township 68 South, Range 78 East, Section 23, Copper River Meridian

Beach Site # 9 93' x 20' 0.04 Acres

NE Corner No 1: 55 57.437 N 133 18.520 W
SE Corner No.2: 55 57.421 N 133 18.514 W
SW Corner No.3: 55 57.417 N 133 18.524 W
NW Corner No.4: 55 57.436 N 133 18.529 W

Township 68 South, Range 78 East, Section 23, Copper River Meridian

Beach Site # 10 180' x 70' 0.29 Acres

NE Corner No 1: 55 56.414 N 133 16.088 W
SE Corner No.2: 55 56.411 N 133 16.077 W
SW Corner No.3: 55 56.389 N 133 16.104 W
NW Corner No.4: 55 56.395 N 133 16.106 W

Township 68 South, Range 78 East, Section 25, Copper River Meridian

The total area encompassed by this aquatic farm is approximately 4.37 acres, more or less.

Subject lands are located in the Petersburg Recording District.

POLITICAL INFORMATION:

BOROUGH/MUNICIPALITY: This application is outside of an organized borough.

COASTAL DISTRICT: The application lies outside of an approved coastal district. The nearest coastal district is the Klawock.

REGIONAL CORPORATION: Sealaska Corporation

FISH AND GAME ADVISORY COMMITTEES: Klawock and Edna Bay Fish and Game Advisory Committees.

TITLE:

ACQUISITION AUTHORITY: Submerged Lands Act of 1953. (P.L. 31, 83rd Congress, First Session; 67 Stat. 29); Equal Footing Doctrine; Section 1 of the Alaska Statehood Act.

TITLE REPORT: A title report was requested on November 2, 2009.

PLANNING AND CLASSIFICATION:

LAND MANAGEMENT PLAN: Prince of Wales Island Area Plan, Adopted in June, 1985 and revised in October 1998.

LAND CLASSIFICATIONS: The Prince of Wales Island Area Plan designates state owned tidelands at the proposed locations as GU – General Use and Ra – Recreation (anchorage). These classifications allow for aquatic farming activities.

SURFACE MINERAL ORDERS: The proposed site is open to mineral entry.

ALASKA COASTAL MANAGEMENT PROGRAM: The proposed aquatic farm was found consistent with the Alaska Coastal Management Program (ACMP) under 930517-24J on November 17, 1993.

ACCESS: Access to the proposed sites is by boat or floatplane. A fifty-foot-wide easement will be reserved to protect public access in accordance with 11 AAC 63.050(b)(6) and 11 AAC 53. If additional specific easements are required, they will be addressed under the final recommendation section of this document.

SURVEY AND APPRAISAL:

SURVEY: A survey is not required by law before issuing a 10-year negotiated lease. However, the department has the right to require one in the future, at the applicant's expense, if boundary conflicts or disputes over acreage arise.

APPRAISAL: The Division of Mining, Land and Water has approved an administrative lease fee schedule for aquatic farmsites that meet the conditions listed within the schedule. The most current lease fee schedule will be used to establish the fair market rental each lessee must pay. The applicant has the option to have a site-specific appraisal done, at the applicant's expense, before the lease is issued, if he or she does not wish to use the fee schedule. If an applicant opts for a site-specific appraisal, the division-approved appraisal will establish the rental for the lease and the fee schedule will no longer be an option.

PUBLIC/AGENCY NOTICE AND COMMENTS: Public notice of the proposal has been sent to various newspapers, post offices, agencies, boroughs/cities, native corporations and Fish and Game Advisory committees. Public and agency comments are welcome during the comment period and will be considered in the final best interest finding. Only those who provide written comments during the comment period will be sent a copy of the final best interest finding and will be eligible to appeal. The final best interest finding will consider and address any comments related to the subject proposal. The final best interest finding will include explanation of the appeal process. The public comment period begins on November 9, 2009 and will end at 5:00 p.m. on December 8, 2009.

PENDING INTERESTS: The Alaska Department of Fish and Game has provided the following information:

Project Description

The applicant is requesting a proposed amendment to the current aquatic farmsite lease/permit for a site located in the El Capitan Passage area of Cap Island. The existing aquatic farm is located within the inlet east of Cap Island, approximately 5 miles northwest of Naukati, Alaska, on state-owned tide and submerged lands. The northeast corner of the proposed site is located at 55° 53.909' N, 133° 19.051' W and runs south 365 feet, then west 208 feet comprising 1.7 acres. A 50 foot by 100 foot hardening area is requested, to the west comprising 0.1 acre. The total requested acreage is 1.8 acres.

Evaluation

I. Physical and Biological Characteristics: The proposed parcels in this aquatic farm operation project amendment are located in a location area that has physical and biological characteristics that are suitable for culture of oysters.

Protection from Oceanographic and Atmospheric Extremes: The proposed parcels in this aquatic farm operation project amendment are in an area that is protected from extreme oceanographic and atmospheric extremes and the farm gear proposed for use at the site is also thought to be able to withstand these extremes.

Sufficient environmental conditions: The proposed parcels in this aquatic farm operation project amendment are in an area that has sufficient water exchange, water temperatures, currents, salinity, and primary production to support an aquatic farm and maintain healthy environment for other marine organisms.

Sufficient Water Depth: The water depth at the proposed parcels in this aquatic farm operation project amendment is sufficient to prevent gear from grounding and impacting the benthos under floating structures.

Eelgrass and Kelp Beds Maintained: There are no primary eelgrass or kelp beds in the footprint of the proposed parcels in the amendment project. The health and abundance of eelgrass and kelp beds in the area can be maintained with the proposed aquatic farm site project.

Anadromous Fish Streams: Anadromous streams catalogued for various salmon species are located near the proposed project¹¹. However, the proposed amended aquatic farm operation is not located within 300 feet of the mouth of an anadromous fish stream. The closest anadromous stream is 2.3 miles from the site being proposed. Table 1 summarizes the distance between the nearest aquatic farm site parcel for this project coordinates and the mouth of the anadromous stream, the classification number for the stream, and lists all the fish species that reside or spawns there.

¹¹Johnson, J. and K. Klein. 2009. Catalog of waters important for spawning, rearing, or migration of anadromous fishes - Southeast Region, Effective June 1, 2009. Alaska Department of Fish and Game, Special Publication No. 09-04, Anchorage.

**Table 1: Distance of Anadromous Streams From Proposed Aquatic Farm Site
(Source: ADF&G Division of Sport Fish, Fish Distribution Database)**

Site No.	Location	Name of Stream	Number	Dist. Between site and mouth of stream (feet)	Fish Species
107577	Tuxekan Island		103-90-10895	2.3 miles	coho salmon, pink salmon

II. Existing Uses not Significantly Altered: The proposed farm operation amendment project will not significantly alter an established use defined as commercial fishery, sport fishery, personal use fishery, and subsistence fishery. Table 2 summarizes the traditional and existing uses for commercial, sport, and subsistence fisheries and anchorages in the proposed aquatic farm site area.

Table 2: Existing Uses (Potential for Conflict) for Commercial, Sport, and Subsistence Fisheries and Anchorages at the Site

ADL-site	General Area	Species	ADF&G Stat. Area	Geoduck Commercial Fishery	Sea Cucumber Commercial Fishery	Red Urchin Commercial Fishery	Salmon Gillnetting Commercial Fishery	Salmon Trolling/Salmon Purse Seining	Herring/Dungeness crab	Recreational Sport Fishery / Personal Use	Anchor	Subsistence
10757	Tuxekan Island	Pacific oysters	103-90	No	Yes	No	No	Yes	No	Probably	No	No

Commercial Fisheries: The proposed farm operation amendment project is located in ADF&G Commercial Fisheries Division Statistical Area subdistrict 109-30 and the project proposal modification will not significantly alter the commercial fishery uses in the area.

Geoducks: The proposed farm operation amendment project site is 4.1 miles away, from the Turn Point geoduck commercial fishery harvest area bedcode 103-90-003 in subdistrict 103-90. This proposed aquatic farm operations will not significantly alter this existing use.

Sea cucumber: The proposed farm operation amendment project site is in the Sea Otter Sound commercial sea cucumber dive fishery harvest statistical area 010390. On a three year rotation, the last fishery occurred there in 2008/09. The number of permits (individuals) for this statistical area harvesting sea cucumbers accounted for 33% (38 out of 116) of all the 2008/09 season permits recorded that harvested in the Ketchikan Management Area. This proposed aquatic farm operations will not significantly alter this existing use.

Red Sea Urchins: No commercial red sea urchin dive fishery takes place at the proposed farm operation amendment project site.

Salmon: No salmon gillnetting fishery, salmon trolling, or gillnet salmon fishery occurs at

the proposed farm operation amendment project site. The site lies within a subdistrict area where commercial salmon seine and troll fisheries occur. In 2009, there were 381 recorded salmon landings for this statistical subdistrict area. This proposed aquatic farm project amendment operations will not significantly alter this existing use.

Herring: No commercial herring fishery occurs in this area.

Dungeness crab: No commercial crab fishery occurs in this area.

Sport Recreational Fishery: The area is not a significant site for Sport Anglers. Traditional troll and bottom fishing area for sport fishers is not known to occur in this area. Due to their design, oyster farms have not seemed to have significant negative impact on anglers. This proposed aquatic farm is not thought to significantly alter this existing use.

Subsistence Use: This proposed farm operation amendment project is not thought to significantly alter existing subsistence use.

Anchorage: This area is not known to have any critical vessel anchorages.

III. Compatible with Fish and Wildlife Resources: The proposed farm operation amendment project is compatible with fish and wild life resources in the area.

Predator and Pest Control Methods: Predator exclusion devices used at the proposed aquatic farm project at the site will be used in such a way to minimize impacts on non-targeted fish and wild life resources in the area.

Sensitive Wildlife: The proposed aquatic farm project amendment will not adversely impact seabird colonies, sea lion haulouts and rookeries, seal haulouts and pupping areas, and walrus haulouts.

Sea Bird Colonies – There are no sea bird colonies identified within 1 mile of the proposed farm site.²

Sea Mammal Habitat - There are no sea mammal haul outs within 1 mile of the proposed farm site³.

Table 1: Distance of Aquatic Farm to Sea Mammal Haulouts						
ADL	General Area	Applicant Contact Name	Species	Sea Lion Haulouts	Harbor Seal Haulouts	Distances from Haulout Area (miles)
107577	Tuxekan Island	Ausec	Pacific oyster	No	No	2.2 miles

² U.S. Fish and Wildlife Service, (current year). Beringian Seabird Colony Catalog -- computer database. U.S. Fish and Wildlife Service, Migratory Bird Management, Anchorage, Alaska 99503.

³ Datasets provided by NOAA Fisheries Service, Alaska Region, Protected Resources Division. Specifically, the survey data used to complete this analysis were completed by researchers from NOAA Fisheries Service, Alaska Fisheries Science Center, and National Marine Mammal Laboratory.

Endangered species: The proposed aquatic farm parcels will not adversely impact endangered and threatened species recovery and habitat efforts.

IV. Operation and Development Plan:

Increase Productivity: The operation and development plan for this project describes how the operation will improve the productivity of the species intended for culture above what would occur in natural conditions using approved methods such as predator exclusion, reduction of competing species, destiny manipulation, import of naturally produced seed, import of hatchery produced seed, programming harvest to optimize growth and shellfish condition, and habitat improvements.

Maintenance: The operation and development plan for this project indicates that support facilities and culture gear and anchoring system will be installed with sufficient anchors and maintained.

Rotation Schedule: Projected rotation schedule is consistent with the life history of the species intended for culture.

V. Species to be Cultured and Site Suitability

The proposed parcels in this aquatic farm operation project amendment are located in an area that is thought to be suitable for suspended oyster culture.

BONDING AND INSURANCE: Bonding, or another form of security, is required under AS 38.05.083 and 11 AAC 63.080. The bond must cover the costs of site cleanup and restoration, any associated cleanup costs after termination of the lease, including any unpaid rentals or other obligations accruing until site restoration is complete. The bond regulations require:

The minimum security amount for a lease is \$2,500. However, if three or more lessees post an association bond to cover all of their leases, the minimum security amount is 50 percent of the amount individually calculated for each lease. The association must designate an agent for notification purposes. The association has the right to be notified of the termination of a lease covered by its association bond. If neither the former lessee nor the association completes the site restoration as required by AS 38.05.090, the department will use the association bond for this purpose, up to 100 percent of the amount individually calculated for that lease. The association may remove a lease in good standing from the coverage of its association bond after a 60-day notice to the department, during which time the affected lessee must make other arrangements to comply with 11 AAC 64.080(b). A lease that is in default or that has been terminated with site restoration still pending may not be removed from the coverage of an association bond.

At this time, the Department does not require these operations to have insurance. Insurance may be required in the future depending on the operation and the policies of the department at the time changes are made to the lease or another lease is issued. Insurance, such as Workman's Compensation Insurance, may be required under other state laws.

TRADITIONAL USE FINDING: The presence of aquatic farm sites should not disrupt traditional and/or existing uses of the area, such as commercial and sport fishing, subsistence activities, boat travel,

anchorage and recreation. Through agency and public input, more traditional and existing use information may surface. If such information becomes available, any potential and/or existing conflicts will be addressed in the final best interest finding.

PRINCE OF WALES AREA PLAN INFORMATION SPECIFIC TO THIS PROPOSAL: This proposal lies within Unit 7, Sea Otter Sound, Subunit 7b – The designation for this area is General Use (GU) and Recreation (anchorage). A General Use designation is given to lands that contains one or more resource values, none of which is of sufficiently high value to merit designation as a primary use, or, because of the size of the parcel, a variety of uses can be accommodated with appropriate siting and design considerations. A Recreation (anchorage) designation is given for areas commonly used by recreation or commercial vessels for anchoring.

UPLAND OWNER MANAGEMENT: The uplands are within the Thorne Bay Ranger District of the Tongass National Forest, owned and managed by the U.S. Forest Service. The Tongass National Forest Land and Resource Management Plan designates the adjacent uplands as Semi-Remote Recreation, which objective is to manage to provide for recreation and tourism in natural-appearing settings where opportunities for solitude and self-reliance are moderate to high. In accordance with the Central/Southern Southeast Area Plan, the Forest Service will be consulted to determine if the proposal is consistent with the management intent of their plan.

ENVIRONMENTAL RISK QUESTIONNAIRE: The applicant has indicated that this proposed activity will not generate, use, store, transport, disposal of, or otherwise come in contact with toxic and/or hazardous materials, and/or hydrocarbons.

CONSIDERATIONS: The following criteria, set out in 11 AAC 63.050(b), has been considered and represents what is known at this time:

Land Management: There are no known land management policies or designations, other than those in the Alaska Coastal Management Program, the Prince of Wales Area Plan, and potentially the Tongass National Forest Land and Resource Management Plan that may impact this proposal. Measures taken to mitigate impacts on the resources identified in the above-mentioned plans are listed below.

Pending/Existing Uses:

1. There are no known pending use conflicts or potential impacts to nearby communities or residential land due to the placement of this farm at the proposed location.
2. Information available at this time suggests that placement of an aquatic farm at this location would not disrupt the traditional and existing uses of the site for use as an anchorage, commercial and sport fishing, recreation, and tourism.

Issuing a lease for an aquatic farm would not compete with commercial and sport fisheries as access to those resources being sought after would be protected and stipulated in any resultant lease agreement.

In order to inform the public of their continued access rights, any resultant lease would

stipulate the requirement that signs be posted with information that informs the public of their rights of access through the farmsite as well as access to those fish and wildlife resources not being cultured at the aquatic farmsite.

3. There are no historic and cultural resources known to exist in the area.
4. There are no commercial or industrial facilities known to exist in the area.

Public Access: Public access will be protected in accordance with 11 AAC 63.050(b)(6) and 11 AAC 53 and will be addressed in any resultant lease agreement.

Public Trust Doctrine: Any resultant lease agreement is subject to the principles of the Public Trust Doctrine in order to protect the public's right to use navigable waters and the land beneath them for navigation, commerce, fishing, and other purposes.

Mitigation Measures: In addition to the mitigation measures identified above under Pending/Existing Uses, paragraph 2, any resultant lease may include additional stipulations necessary to mitigate conflicts identified during the public/agency comment period

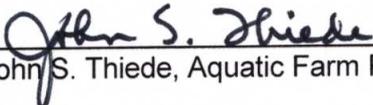
Social, Economic, and Environmental Concerns: There are no known significant social, economic, and environmental effects from the placement of this proposal.

Surface Area: The proposal does not encumber more than a third of the surface area of a bay, bight, or cove in accordance with 11 AAC 63.050(c).

ADVANTAGES AND DISADVANTAGES OF THE PROPOSAL: An aquatic farm could provide opportunities to increase income and diversify the state's economy by utilizing state tide and submerged lands for this purpose. The advantage of issuing this lease on state owned tide and submerged lands is the probable employment opportunities as well as any secondary jobs created or increased from businesses involved in marketing, transport or sale of the farmed products.

There are no obvious disadvantages of this activity on state owned tide and submerged lands. The public should be aware that access through the site, as well as access to any of the common property resources not being cultured at the site are public uses that remain intact. Therefore, any resultant lease would stipulate the requirement that there is proper signage of the aquatic farm sites to inform the public of the owners name, address, ADFG and DNR permit and lease numbers.

RECOMMENDATION: Considering the information known at this time and described within this decision, it appears to be in the state's best interest to approve this aquatic farm site lease amendment for an area of approximately 4.37 acres more or less for shellfish culture on State-owned submerged lands. Any resultant lease will include stipulations that may be identified as a result of public comments. The applicants security bond remains at \$2,500 or \$1250 with an association bond as well as an annual lease fee of \$950.00 (\$450 for the first acre or portion thereof, plus \$125 for each additional acre or fraction thereof.



John S. Thiede, Aquatic Farm Program Manager



Date

Gary Ausec
Tuxekan Island
Southeast, Alaska

AFOP: 93-12-AF-SE
DNR ADL: 107577, 105889

Amendment Request
to drop existing Parcels A and G
and move Parcels B and C to a new location.

Proposed Parcel B for workraft

Parcel F, workraft area, 30' x 50'

Parcel G, hardening area, 50' x 100'

Proposed Parcel C for hardening area

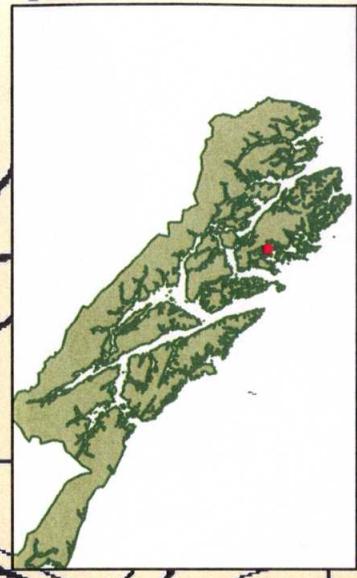
Parcel E, dock with ramp, 50' x 50'

Parcel D, intertidal culture area, 45' x 1452'

Parcel A, Suspended culture area

Parcel C, hardening area, 104.5' x 104.5'

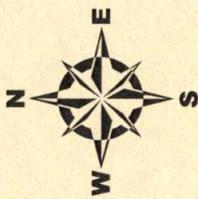
Parcel B, Suspended culture area



Island

NOAA Chart 107403
Not for Navigational Use

Created by ADF&G
L. Vercesi
May 29, 2009



Gary Ausec
Tuxekan Island
Southeast, Alaska

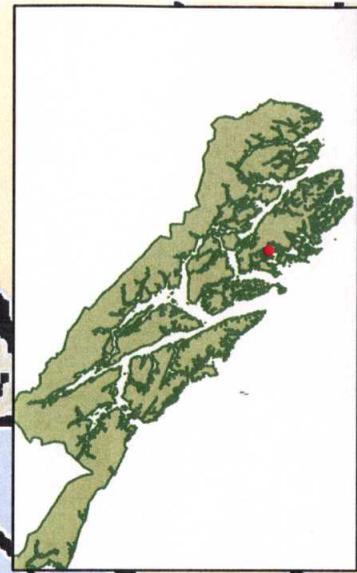
AFOP: 93-12-AF-SE
DNR ADL: 107577, 105889

Proposed Parcel C for hardening area

Proposed Parcel B for workraft

Parcel E, dock with ramp, 50' x 50'

Parcel F, workraft area, 30' x 50'



NOAA Chart 107403
Not for Navigational Use

Created by ADF&G
L. Vercessi
May 29, 2009

Ausec Growout and Hardening Locations

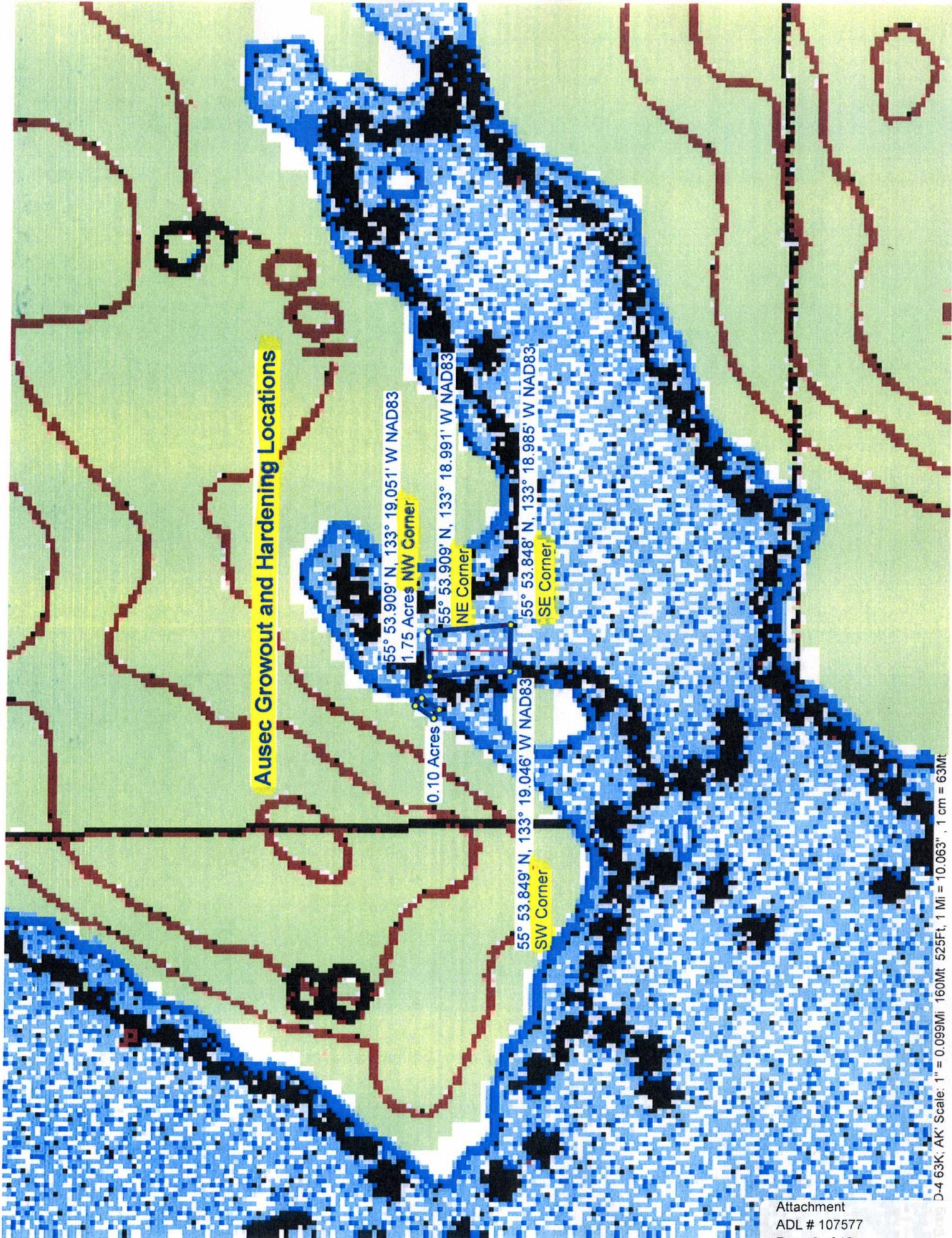
55° 53.909' N, 133° 19.051' W NAD83
1.75 Acres NW Corner

0.10 Acres

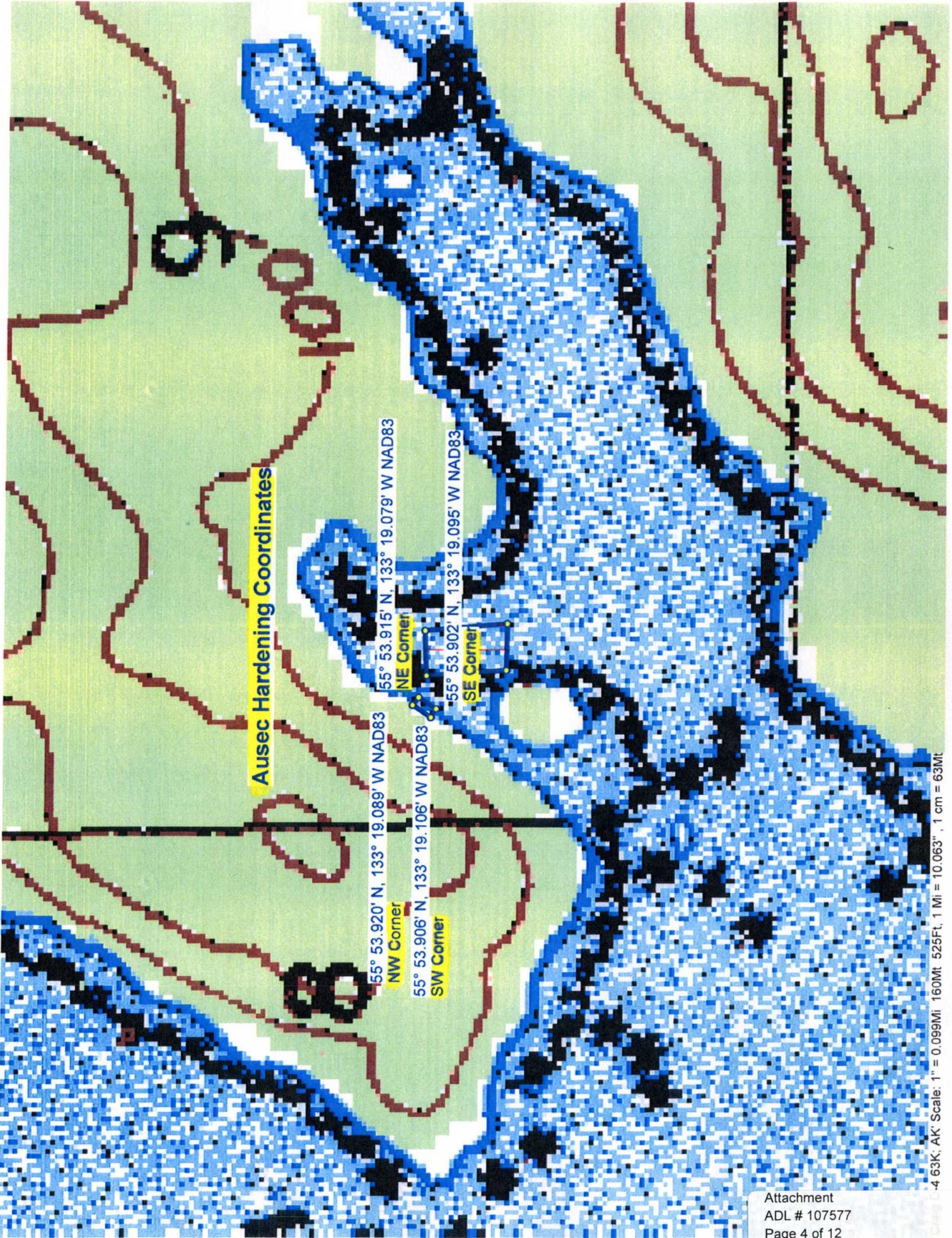
NE Corner

55° 53.849' N, 133° 19.046' W NAD83
SW Corner

55° 53.848' N, 133° 18.985' W NAD83
SE Corner



D-4-63K; AK; Scale: 1" = 0.099Mi 160Mt 525Ft, 1 Mi = 10.063", 1 cm = 63Mt



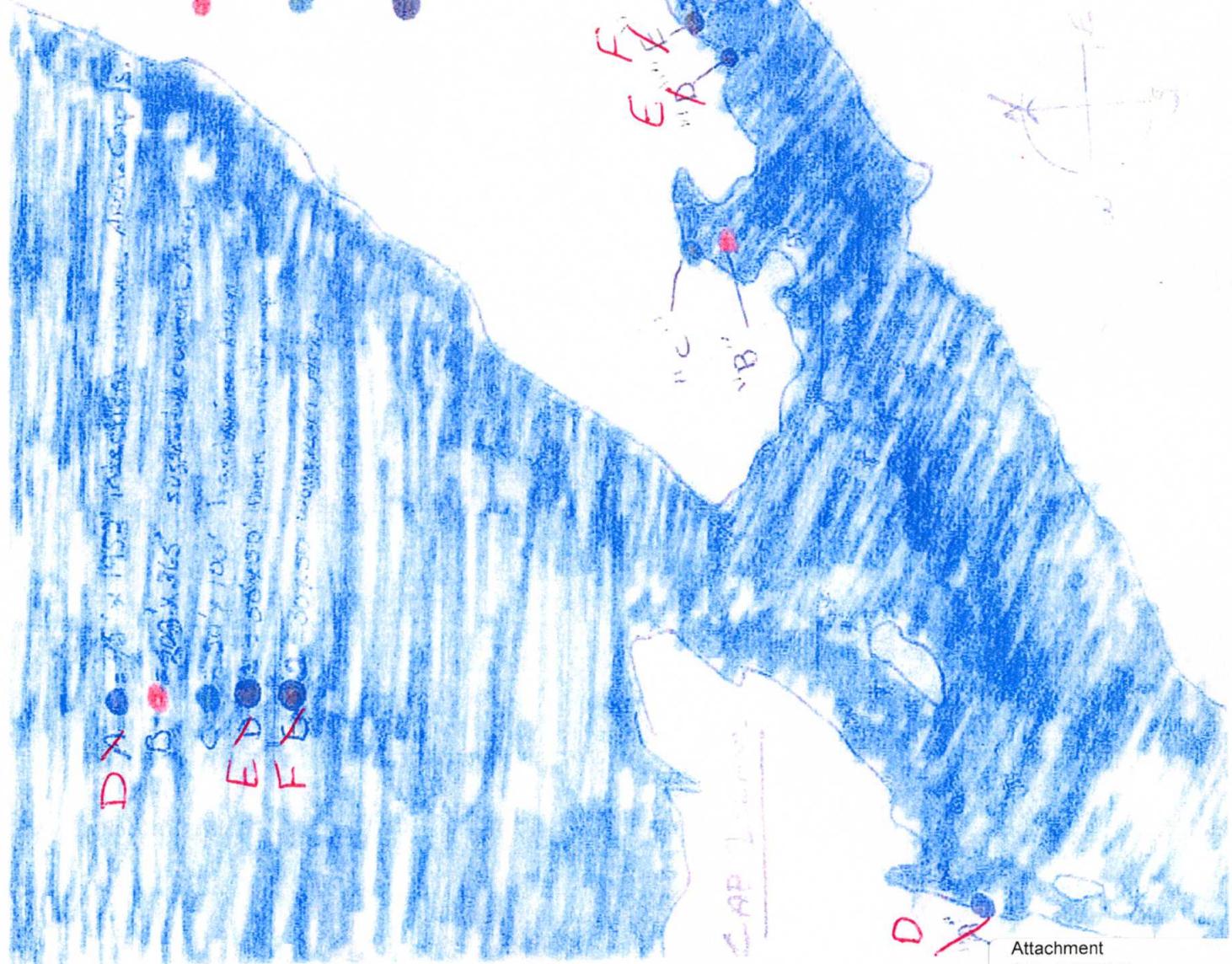
Ausec Hardening Coordinates

55° 53.915' N, 133° 19.079' W NAD83
NE Corner

55° 53.902' N, 133° 19.095' W NAD83
SE Corner

55° 53.920' N, 133° 19.089' W NAD83
NW Corner

55° 53.906' N, 133° 19.106' W NAD83
SW Corner



D X ● = 75' x 110' proposed dock area. Alaska Cap Is.
 B ● = 200' x 365' suggested current dock
 C ● = 20' x 100' proposed new dock
 E D ● = 50' x 50' black work area
 F X ● = 30' x 50' work area

● interior dock corner area 45' x 145'
 NE corner 55° 53' 55.8" N - 133° 20' 7.0" W
 SE corner 55° 53' 32.8" N - 133° 20' 8.1" W
 SW corner 55° 53' 33.0" N - 133° 20' 8.2" W
 NW corner 55° 53' 55.7" N - 133° 20' 7.1" W
 ● PROPOSED NEW LOCATION 200' x 365' SUPPLEMENT
SEE ATTACHMENT FOR SITING LOCATION AND
GPS COORDS.

● PROPOSED NEW LOCATION 50' x 100' HANDLING
SEE ATTACHMENT FOR SITING LOCATION AND
GPS COORDS.

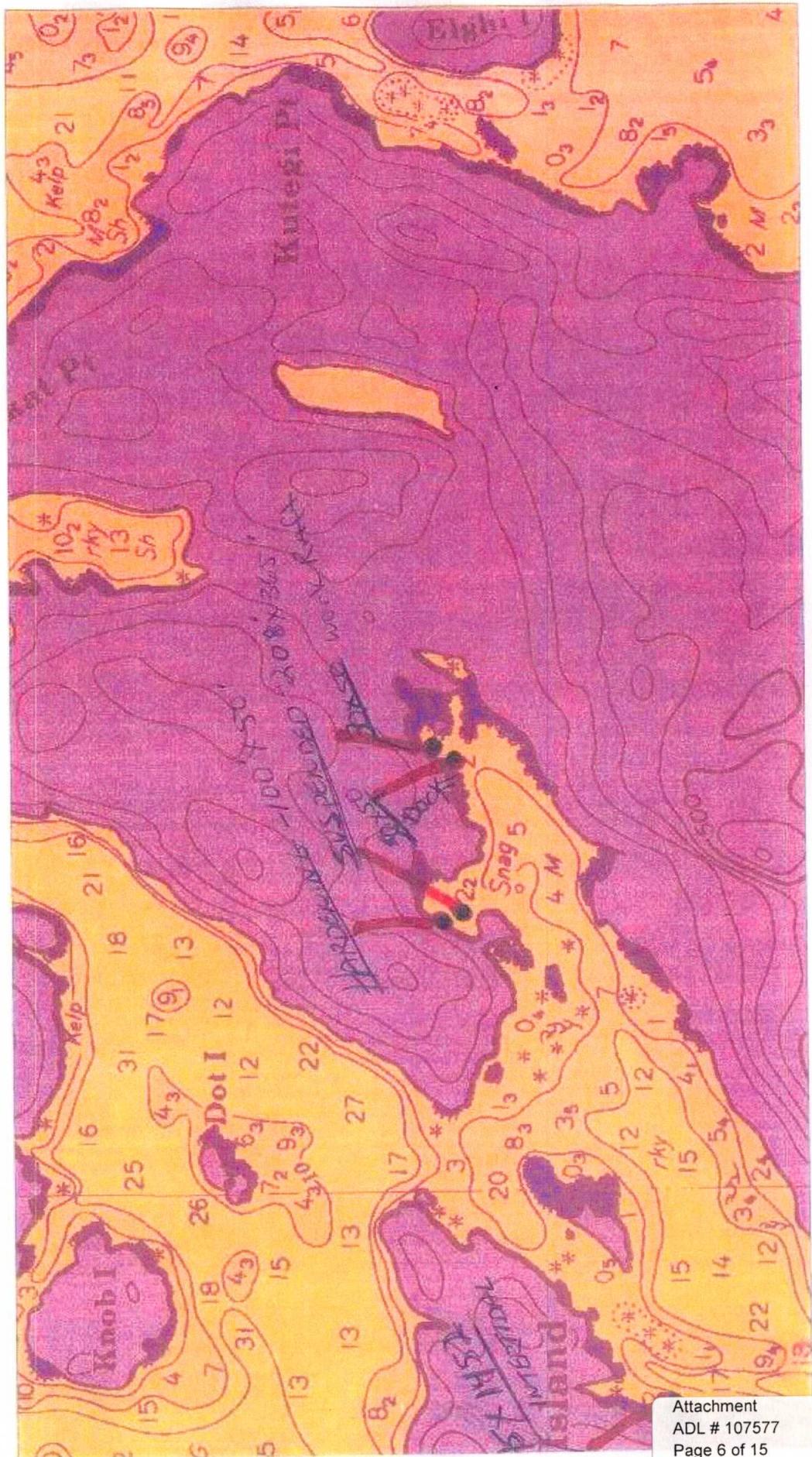
● 1-50' x 50' DOCK WITH RAMP
 NE corner 55° 53' 87.4" N - 133° 18' 53.9" W
 SE corner 55° 53' 88.6" N - 133° 18' 56.7" W
 SW corner 55° 53' 89.7" N - 133° 18' 58.3" W
 NW corner 55° 53' 90.1" N - 133° 18' 56.8" W

● 2-30' x 50' work area
 NE - 55° 53' 99.3" N - 133° 18' 50.5" W
 SE - 55° 53' 92.9" N - 133° 18' 50.1" W
 SW - 55° 53' 92.9" N - 133° 18' 51.9" W
 NW - 55° 53' 93.3" N - 133° 18' 52.1" W

prevailing weather winds predominant
 east and westerly

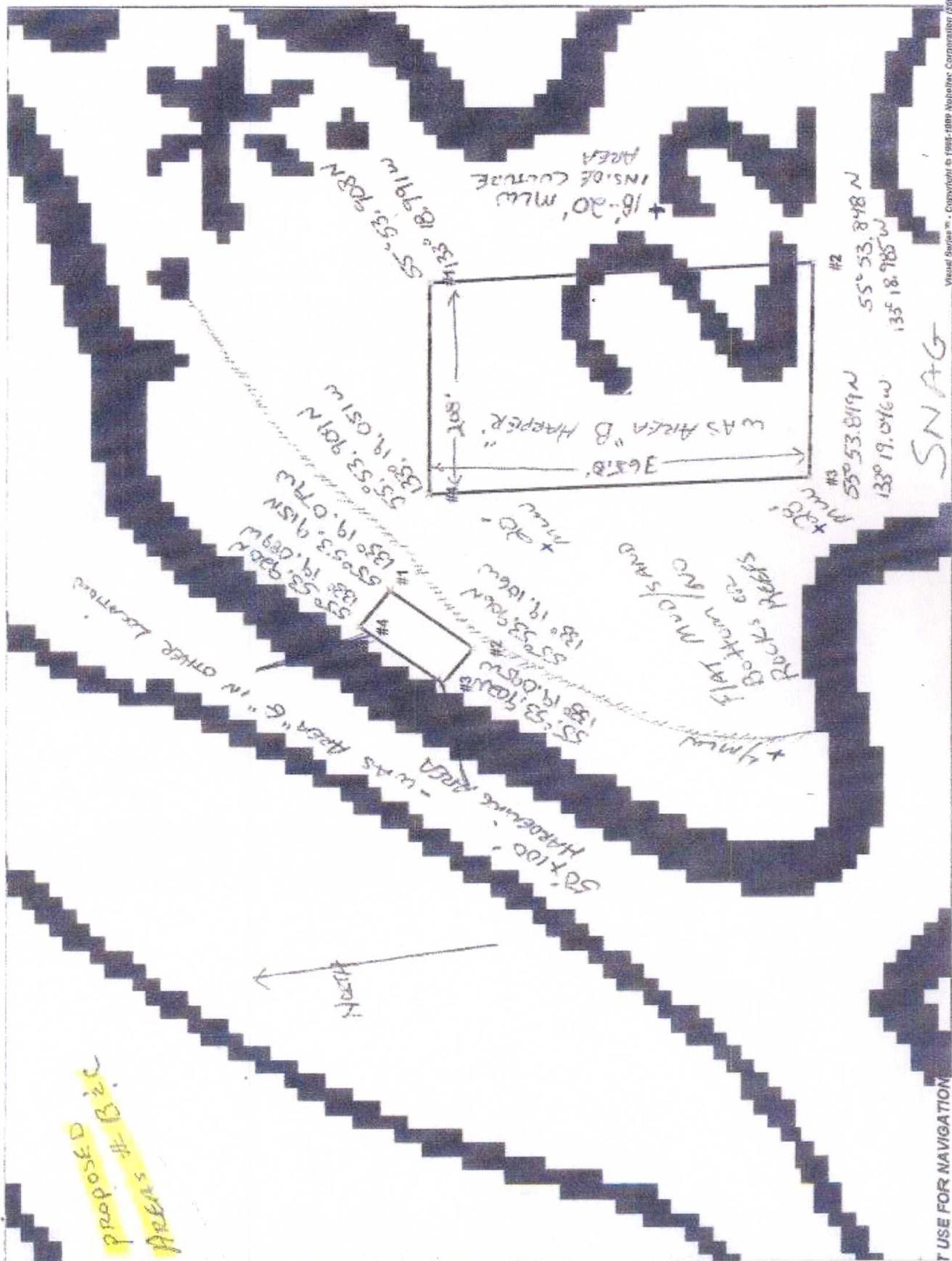
TUXEKAND ISLAND

17403_1 - DAVIDSON INLET AND SEA OTTER SOUND



Attachment
ADL # 107577
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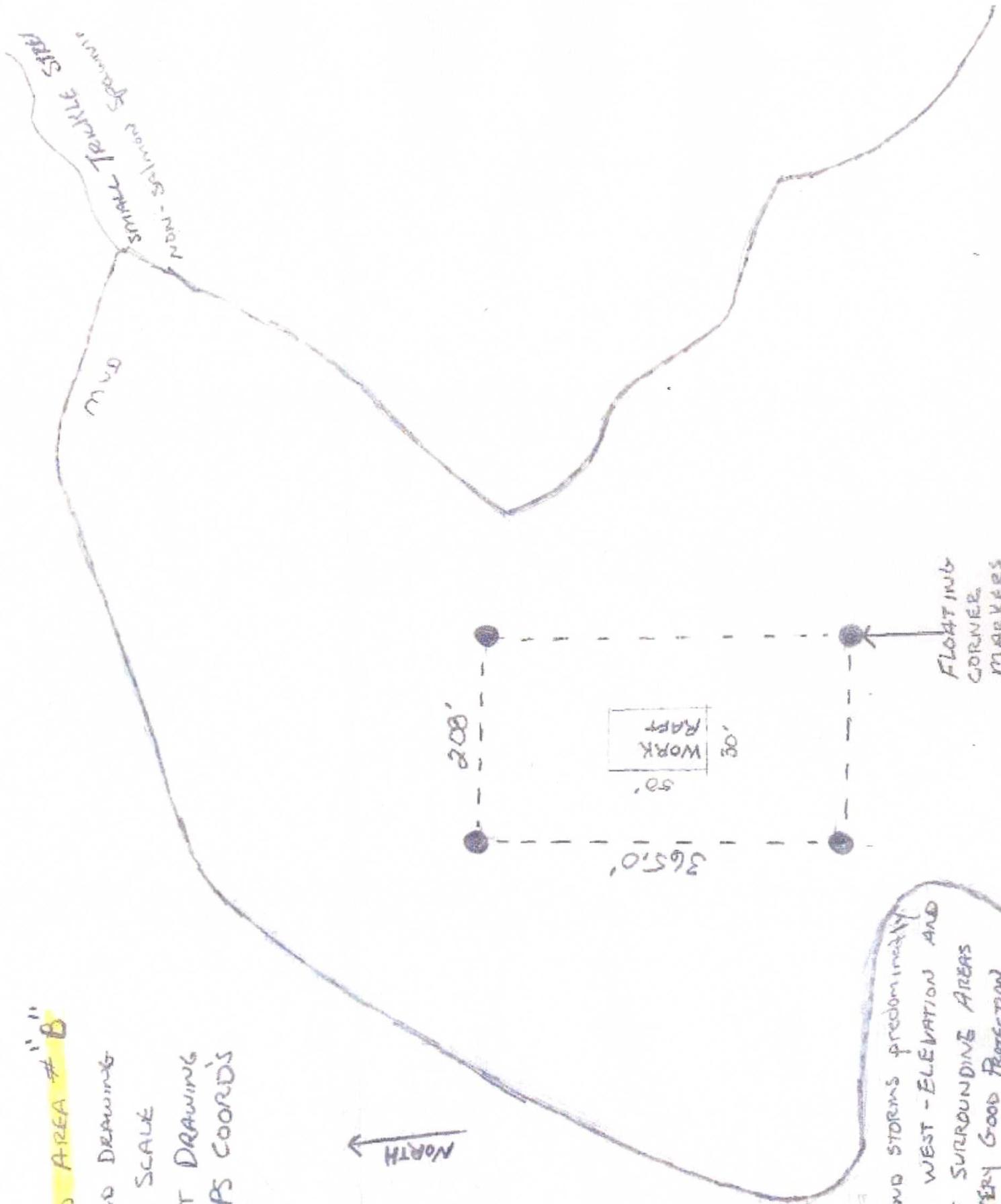
1 : 7,568 - 17403_1 : DAVIDSON INLET AND SEA OTTER SOUND



PROPOSED
AREAS # B, C

PROPOSED AREA # B

OVERHEAD DRAWING
NOT TO SCALE
FOOTPRINT DRAWING
FROM GPS COORDS



WINDS AND STORMS PREDOMINANTLY
EAST AND WEST - ELEVATION AND
TREES OF SURROUNDING AREAS
OFFER VERY GOOD PROTECTION

30' x 50' - AREA "B"
 LOG WORKRAFT
 20 NEW 55 GAL. AIR
 FILLED BARRELS AND
 NEW 5/8" CABLE SWIFTERS
 COMPLETED 2008 - TO BE
 REDECKED WITH CEDAR OR
 MARINE PLYWOOD AFTER
 RELOCATION

24' x 16' - CURRENTLY HAVE ONE MADE AND READY
 FOR USE - BUILDING THREE MORE
 WILL USE LOG FLOATING SUPPORTS IN INTERIOR

16'
 CULTURE GROW OUT RAFT
 FLOATS ARE POLYSHRINKED
 WRAPPED FORM LOGS
 24'

SMALL EXISTING
 BUILDING ON
 UPLANDS TO
 BE SKIDDED
 ONTO RAFT

SWINGING
 DAVIT HOIST

NORTH

30'

50'

3RD MOUNT
 LOCATION

2ND HOIST MOUNT

4TH HOIST MOUNT

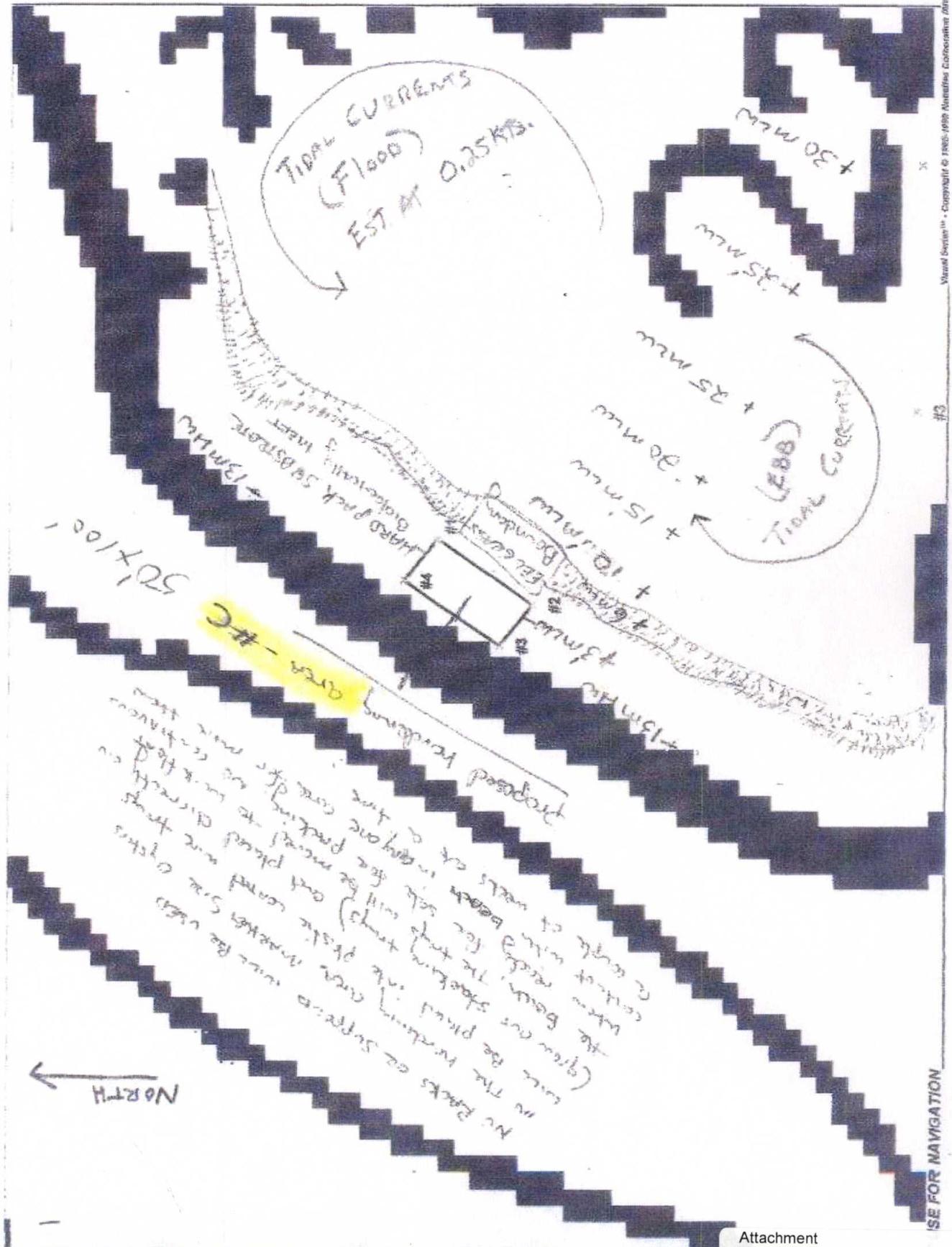
STAINLESS STEEL
 1/2" BOLT AND
 SHACKLE

MARBLE AND/OR
 ROCK ANCHORS

1 1/4 - 1 1/2" POLY DACRON
 ROPE

CHAIN -

1 : 6,558 - 17403_1 : DAVIDSON INLET AND SEA OTTER SOUND



No racks or supports will be used in the berthing area. Racks will be placed on the beach (gravel or sand) for the racks to be placed on. The racks will be placed on the beach (gravel or sand) for the racks to be placed on. The racks will be placed on the beach (gravel or sand) for the racks to be placed on.

UPLAND FACILITIES



USFS UPLANDS
STEEP BEACH DROPOFF
NO EELGRASS OR SHELFISH
NEAR THESE SITES



~~SITES E AND F~~