

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

LAND USE PERMIT APPLICATION

AS 38.05.850

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

- the use of the uplands and non marine waters must also complete the Supplemental Questionnaire for Use of Uplands and Non Marine Waters accompanying this application;
- off-road travel must also complete the Supplemental Questionnaire for Off-Road Travel accompanying this application; and/or
- the use of tide and submerged lands must also complete the Supplemental Questionnaire for Use of Marine Waters accompanying this application.

Other items that must accompany the completed application are:

- a **(non-refundable) \$100 application filing fee;**
- a 1:250,000 or 1:63,360 scale USGS map showing the location of the proposed activity;
- additional items identified and required in any supplemental questionnaire(s) to this application; and
- additional pages if more space is necessary to answer the questions completely.

RECEIVED BOARD

2017 JUN 14 PM 02:00

JUNEAU

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

**Public Information Center
550 W. 7th Ave, Suite 1260
Anchorage, AK 99501
(907) 269-8400**

**Public Information Center
3700 Airport Way
Fairbanks, AK 99709
(907) 451-2705**

**MLW Information Office
P.O. Box 111020
Juneau, AK 99811-1020
(907) 465-3400**

CID: 35830

LAS # 31772

Applicant Information:			
City and Borough of Juneau Docks and Harbors Department			N/A
Applicant Name			Date of Birth
City and Borough of Juneau Docks and Harbors Department		Carl Uchtyl	
Doing Business As		Contact Person	EIN
155 South Seward Street			Carl.Uchtyl@juneau.org
Mailing Address with City, State and Zip			Email Address
()	(907) 586.0294	()	(907) 586.0295
Home Phone	Work Phone	Cell Phone	FAX
If you are applying for a corporation, give the following information:			
Name, address and place of incorporation: _____			
Is the corporation qualified to do business in Alaska? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> . If yes, provide name, address and phone number of resident agent: PND Engineers, Inc (Agent), 9360 Glacier Hwy, Suite 100, Juneau AK 99801; 907.586.2093			
Type of User, Select one: <input type="checkbox"/> Private non-commercial (personal use) <input type="checkbox"/> Commercial Recreation or Tourism			
<input checked="" type="checkbox"/> Public Non-profit including Federal, State, Municipal Government Agency <input type="checkbox"/> Other commercial or industrial			

Duration of Project: The proposed activity will require the use of state land for: (Check one)		Material will be placed
<input checked="" type="checkbox"/> a single term of less than one year. Beginning month: <u>September 2017</u> Ending month: <u>April 2018</u>		over approximately
<input type="checkbox"/> a multi year term for up to 5 years. Beginning year: _____ Ending year: _____		30-45 days during this
		period.
If multi year and seasonal, circle months of use in each year. Jan., Feb., Mar., Apr., May, Jun., Jul., Aug., Sept., Oct., Nov., Dec.		

Project Location

Latitude/Longitude or UTM: 58°22'22.08"N / 134°39'49.32"W or

JNU B-2 Section: 27, Township: 40 South, Range: 65 East, Meridian: Copper River
(The spaces below are to be used if the boundaries of the proposed project cross section lines.)

Section: _____, Township: _____, Range: _____, Meridian: _____

Section: _____, Township: _____, Range: _____, Meridian: _____

Proposed project will require the use of up to 65 acres. (Add additional sheets as necessary)

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

Phase III of the Statter Harbor Improvements Project includes dredging within the harbor area. This permit is for the in water disposal of up to 30,375* cubic yards of dredged materials on state lands just outside Statter Harbor. Disposal operations will be conducted over a period of approximately 30-45 days from a barge. It is estimated about 2 loads (~500 CY each) will be placed daily approximately 4 hours apart. Once the disposal operations are completed the material will stay in place. The disposal site is approximately 65 acres minimized to the extent possible based on barge limitations. The disposal placement and mound height has been simulated using the US Army Corps of Engineers Multiple Placement Fate model. The results for the proposed disposal location are attached.

*Note: 24,300 cubic yards will be dredged from the harbor. A bulking factor has been applied due to increased water content and fluff during excavation. With the bulking factor of 1.25 applied the actual volume of the material could be up to 30,375 cubic yards.

Should a portion of the permitted area be closed to the general public? Yes No . If yes, explain which portion and provide justification for exclusive use:

The barge will be utilizing the area, however it is not necessary to close the area to the public.

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

The site is entirely submerged, it is not anticipated that any trash, garbage is debris is present. Bathymetry data is available from the National Oceanic and Atmospheric Administration, Survey H10681. This data was imported into the USACE model and used to model how the material is anticipated to settle at the site.

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

Site Description continued - Describe the natural vegetation --- ground cover, trees, shrubs --- and any proposed changes. Describe the location of any estuarine, riparian, or wetlands and any noticeable animal use of area.

The proposed site is fully submerged. Changes to the bathymetry will occur from placement of dredged material.

Site Access - Describe how you plan to access the site, and your mode of transportation.

The site will be accessed via a barge from Statter Harbor.

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

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

Number of people

1. Indicate the number of employees and supervisors who will be working on the site. Unknown - Contractor Dependent
2. Indicate the number of customers who will be using the site per year or season. n/a
3. Indicate the number of days the site will be used per year or season. Approximately 30-45

Environmental Risk / Hazardous Substances - In the course of your proposed activity will you generate, use, store, transport, dispose of, or otherwise come in contact with toxic and/or hazardous materials, and/or hydrocarbons? **Yes** **No** . **If yes, please describe:**

No - Dredge material has been tested for contamination. All chemicals of concern were below the screening levels. See attached Dredge Material Characterization (PND 2016) and the 2016 Determination of In-Water Suitability from the US Army Corps of Engineers

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

The specific storage location(s): n/a

The spill plan and prevention methods: n/a

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

Where will the container be located? n/a

What will be stored in the container? n/a

What will be the container's size in gallons? n/a

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

Will the container be tested for leaks? Yes[] No[]

Will the container be equipped with leak detection devices? Yes[] No[]. If no, describe: n/a

Do you have any reason to suspect, or do you know if the site may have been previously contaminated? Yes[] No[]. If yes, please explain:
 n/a

Date Stamp:

Signature of Applicant or Authorized Representative Title

AS 38.05.035(a) authorizes the director to decide what information is needed to process an application for the sale or use of state land and resources. This information is made part of the state public record and becomes public information under AS 09.25.110 and 09.25.120 (unless the information qualifies for confidentiality under AS 38.05.035(a)(9) and confidentiality is requested.) 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 is punishable under AS 11.56.210.

Environmental Risk Questionnaire

STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINING, LAND AND WATER

- | | | | |
|--|--|---|--|
| <input type="checkbox"/> Contract Administration
550 W 7th Ave., Suite 640
Anchorage, AK 99501-3576
(907) 269-8594 | <input type="checkbox"/> Northern Region
3700 Airport Way
Fairbanks, AK 99709
(907) 451-2740 | <input type="checkbox"/> Southcentral Region
550 W 7th Ave., Suite 900C
Anchorage, AK 99501-3577
(907) 269-8552 | <input type="checkbox"/> Southeast Region
400 Willoughby,
Suite #400
P.O. Box 111020
Juneau, AK 99801
(907) 465-3400 |
|--|--|---|--|

APPLICANT ENVIRONMENTAL RISK QUESTIONNAIRE

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

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

City and Borough of Juneau - Docks and Harbors Department
Applicant's Name Doing Business As

155 South Seward Street Juneau AK 99801
Address City State Zip

() (907) 586.0294 Carl.Uchtyl@juneau.org Carl Uchtyl
Message Phone Work Phone E-Mail Contact Person

Describe the proposed activity:

Phase III of the Statter Harbor Improvements Project includes dredging within the harbor area. This permit is for the in-water disposal of up to 30,375 cubic yards of dredged material (includes bulking factor) just outside Statter Harbor within Auke Bay. Disposal operations will take place over approximately 30-45 with an estimated 2 loads placed per day during a 12-hour shift.

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

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

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

a. Where will the tank be located? n/a

b. What will be stored in the tank? n/a

c. What will be the tank's size in gallons? n/a

d. What will the tank be used for? (Commercial or residential purposes?) n/a

e. Will the tank be tested for leaks? n/a

f. Will the tank be equipped with leak detection devices? Yes No . If yes, describe: _____

Do you know or have any reason to suspect that the site may have been previously contaminated? Yes No .

If yes, please explain: _____

There is no reason to believe the proposed disposal site is contaminated. Additionally, a dredge material sampling and analysis plan was developed and implemented for the dredge basin in Statter Harbor. The Dredge Material Characterization Report (PND 2016) outlines the findings. Based on the results the US Army Corps of Engineers issued an in-water suitability determination under POA-2008-782-M4 dated January 4, 2017.

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

Applicant

Date

AS 38.05.035(a) authorizes the director to decide what information is needed to process an application for the sale or use of state land and resources. This information is made a part of the state public land records and becomes public information under AS 40.25.110 and 40.25.120 (unless the information qualifies for confidentiality under AS 38.05.035(a)(9) and confidentiality is requested). 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.

**Land Use Permit Application
Supplemental Questionnaire**

**Land Use Permit Application Supplemental Questionnaire for:
Use of Marine Waters (Tide & Submerged Lands)**

Tidelands are that portion of the intertidal zone below the elevation of mean high water. This elevation varies by location. Contact the nearest DNR regional office for assistance. **Submerged lands** are those below the lowest tidal elevation. The State of Alaska, with few exceptions, owns these lands out to 3 miles off shore. – If your activity includes the use of State tide and or submerged lands and the waters above them, answer the questions below and those applicable sections determined below. All site development details identified in this section must be represented graphically in the scaled drawings on Page 9 of the supplement.

Does the applicant own the directly adjacent, upland water front property? Yes No If no, give name(s) and current address / phone # of that property owner.

The proposed location is not directly adjacent to any uplands lots, the closest uplands lots are >0.5 miles away.

Give names and current addresses / phone #s for both upland property owners on either side of the above water front property. _____

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

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

Type of Use, Activity, Development (Answer All)

Will you be developing / using a Mooring Buoy system or anchoring a commercial or industrial use vessel for more than 14 days? Yes No (If yes, please also answer all questions in **Part 1 on pg. 2 and Part 6 on pg. 8.**)

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

Yes No (If yes, please answer all questions in **Part 2, pgs. 2, 3 and Part 6 on pg. 8.**)

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

Yes No (If yes, please also answer all questions in **Part 2, pgs. 2, 3 and Part 6 on pg. 8.**)

Will you be placing non-occupied structures including but not limited to Piling, Dolphins, Fixed docks, Floating docks, or other floating structures? Yes No (If yes, please also answer all questions in **Part 3, pg. 3 and Part 6 on pg. 8.**)

Type of Use, Activity, Development (continued)

Are you seeking authorization to use or develop a Log Transfer Facility, a floating Log Storage area, or a Log Ship Loading site? Yes No (If yes, please also answer all questions in Part 4, pgs. 4, 5, 6 and Part 6 on pg. 8.)

Will you be placing fill or dredging material on a beach? Yes No (If yes, please also answer all questions in Part 5, pgs. 6, 7 and Part 6 on pg. 8.)

Part 1. Anchoring vessels and mooring buoy systems

Does the proposed use location include a known anchorage? Yes No If yes, have alternative locations been considered to reduce impact to the anchorage? Yes List below. No If no, explain why.

What type of vessel will use the site? Commercial Fish Tender/ Processor Log Ship General Cargo Ship Unoccupied Barge Fuel Barge Passenger Vessel Other: _____

Does the anchoring vessel require the ability to be able to occupy this site all year long? Yes No If No, what months will the site be needed? From _____ to _____

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

Will the vessel require the placement of a mooring buoy system? Yes No Number of buoys: _____
If placing buoys, fill out applicable parts of Part 3 to explain the anchoring system.

Part 2. Floathouses and Commercial, Industrial Floating Lodges, Float camps, Caretaker Residences (including seafood processors). An associated part of approving this type of use is The US Army Corps of Engineers (USACE) permit. Their general permit, GP 89-4N, for occupied floating facilities can be obtained you meet all conditions of GP 89-4N. Please obtain a copy of GP 89-4N from the Corps, review the conditions and indicate below if your facility will meet all of these conditions. This will help streamline the approval process.

Does your project meet all conditions for general permit GP 89-4N? Yes No

If no, you must Contact USACE at 1-800-478-2712 and apply for an individual Corps of Engineers permit.

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

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

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

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

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

Other methods _____

Part 2. (continued)

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

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

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

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

Do you have an approved ADEC marine sanitation system Yes[] No[] Approval # _____

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

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

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

- Fixed pile-supported dock, wharf or landing (non-floating) - dimensions ____ x ____ feet No. of pilings ____
- Ramp to floating dock - dimensions ____ x ____ feet
- Boat haulout or non-floating ramp - dimensions ____ x ____ feet
- Floating dock Dimensions ____ x ____ feet; ____ x ____ feet; ____ x ____ feet; ____ x ____ feet; ____ x ____ feet;
- Floating breakwater - materials _____ Dimensions ____ x ____ feet
- Other floating structures (e.g., net pens, gear storage float) - describe materials, structures, dimensions _____

- Storage sheds or similar structures on docks - description _____ Dimensions ____ x ____
- Bulkhead - type (log crib, sheet pile, etc) _____
Dimensions ____ x ____ Cubic Yards of Fill _____
- Individual pilings not counted under fixed dock above. Number ____
- Dolphins - Number _____ Number of piling per dolphin _____
- Anchors- Number _____ Type _____ Weight _____
- Rock bolts- Number _____
- Shore ties- Number _____ Note: You must obtain the upland owner's permission to place shore ties above MHW before a permit is issued.

Note: Grounding is prohibited.

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

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

Siting of an LTF which discharges wood into the marine waters must meet the 1985 Alaska Timber Task Force siting criteria guidelines and the criteria established under the US EPA's - NPDES general permit and the AK Dept of Environmental Conservation 401 certification.

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

What will be your seasonal periods of operation? _____

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

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

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

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

How many boom logs _____ and anchors _____ and what is the total length of boom logs _____ feet, that you need for the rafting area?

Will the log rafts ground or be moored in water at depths less than 40 feet as measured from MLLW? **Yes** [] **No** []

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

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

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

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

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

Will you be transferring logs into the marine waters?

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

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

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

Is this an existing LTF that has been fully approved and used to transport timber in the past? **Yes [] **No** []**
If Yes, then answer the following set of questions. If No, you are finished with **Part 4**.

Part 4. (continued)

Was the facility constructed before 1985? Yes [] No []

Is the facility currently authorized? Yes [] No [] If Yes, provide the Army Corp of Engineer's Permit Name and number (i.e. Mud bay 43) : _____ and attach a copy of it and all modifications.

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

When was the facility last actively used? _____ How long was it used for? _____
How much volume was transferred? _____ mmbf

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

Is there a tideland survey for the site? [] Yes [] No, ATS# _____

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

Floating Log Storage Area

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

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

How much volume will be moved thru this storage area? _____ mmbf.

How many log booms and anchors and what is the total length of the log boom perimeter that will be needed for storage?
of log booms _____, # of anchors _____ total length of all log booms _____ feet.

Will you be using shore ties? Yes [] No [] If yes how many? _____ and if you are not the upland owner have you received permission to place shore ties? Yes [] No [] If yes, provide a copy of this permission, if no, you need to obtain and provide this.

Will the log rafts ground or be moored in water at depths less than 40 feet as measured from MLLW? Yes [] No []

What is the near shore depth and the offshore depth of the log storage area as measured from MLLW?
Near shore depth _____ feet, Offshore depth _____ feet.

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

Part 4. (continued)

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

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

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

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

What is the DNR authorization number? _____

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

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

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

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

NOTE: When altering the location of the line of mean high water on a beach by placing fill on or seaward of this line you need to be aware of the following. The line of mean high water (MHW) is the boundary where State (public) ownership of tide and submerged land begins. This boundary is an elevation contour on the beach and is determined by the tidal stage of MHW water elevation against the beach topography. This line is not fixed by a past survey of the upland property if that land survey shows a meandered boundary as is typically done. A meandered boundary is intended to be dynamic and move over time as natural forces affect the beach. Natural forces can either erode beach material or deposit material and as a result, the boundary can naturally move. Another natural way that boundaries can change is in tidal areas where glaciers have recently receded and the land is rebounding or uplifting over time. When any natural process is interrupted by the actions of man, such as placing material to stop erosion, the boundary line becomes fixed from that point on.

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

Are you proposing to alter the line of MHW in any manner? **Yes** | **No** | If yes, explain what you intend to do?

Placing fill material on a beach.

What is the purpose of the fill? _____

Is there an upland survey that has established a meandered boundary line? **Yes** | **No** | If yes, Survey # _____
(if a subdivision survey please provide a legible copy) (ATS, ASLS, US Survey#)

Part 5. (continued)

Will heavy equipment be used below the mean high water line to alter the beach? **Yes** [] **No** [] If yes, explain

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

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

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

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

Will any of the fill material come from State owned uplands or tide and submerged lands? **Yes** [] **No** [] If yes, then what is the source? _____ and how many cubic yards? _____.

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

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

How will the fill affect public access along the beach? _____

Excavation of materials from a beach.

What is the purpose of the excavation? _____

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

To what depth will you be excavating? _____ feet

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

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

A. Explain how you plan to dismantle and remove the improvements and restore the site to a clean, safe condition acceptable to the Regional Manager. **Note:** One acceptable alternative is returning the permit site to the condition that existed before the site was developed or used.

The dredge material cannot be removed after placement. A landuse permit application was filled out at the direction of ADNR despite the fact the placement is permanent.

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

See above

C. If your project involves anchors and/or pilings how do you plan on removing them? Where is the nearest community that provides this type of removal equipment / service?

N/A

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

N/A

E. If components can be reused for other projects, such as anchors, identify where they would be stored? _____

N/A

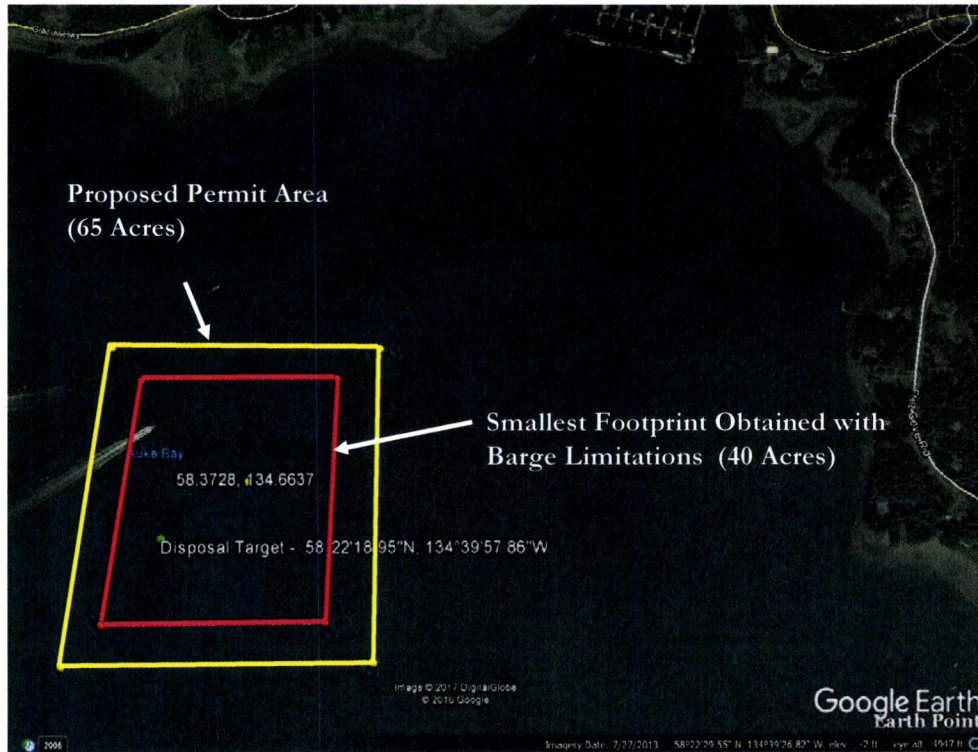


Figure 2: Proposed Disposal Area for Permit

Based on conversations with ADFG the goal was to minimize the footprint as to the maximum extent. Figure 3 depicts the model run resulting in the smallest footprint able to be obtained due to the accuracy of the barge. Current dredge and disposal projects indicate the barge is able to hit the specified target within +/- 240 feet. The target for the barge to hit is 58° 22' 19" N, 134° 39' 58" W and the barge placements used in MPFate were based on +/- 240 feet from this location.

While the target and release positions for the barge can be specified, the actual disposal times and current conditions during disposal will vary depending on the contractor and site conditions. The coordinates for the corners of the proposed site are as follows:

- Northwest corner: 58° 22' 30.37" N, 134° 40' 7.03" W
- Northeast corner: 58° 22' 30.39" N, 134° 39' 35.64" W
- Southeast corner: 58° 22' 12.64" N, 134° 39' 34.98" W
- Southwest corner: 58° 22' 12.42" N, 134° 40' 5.82" W

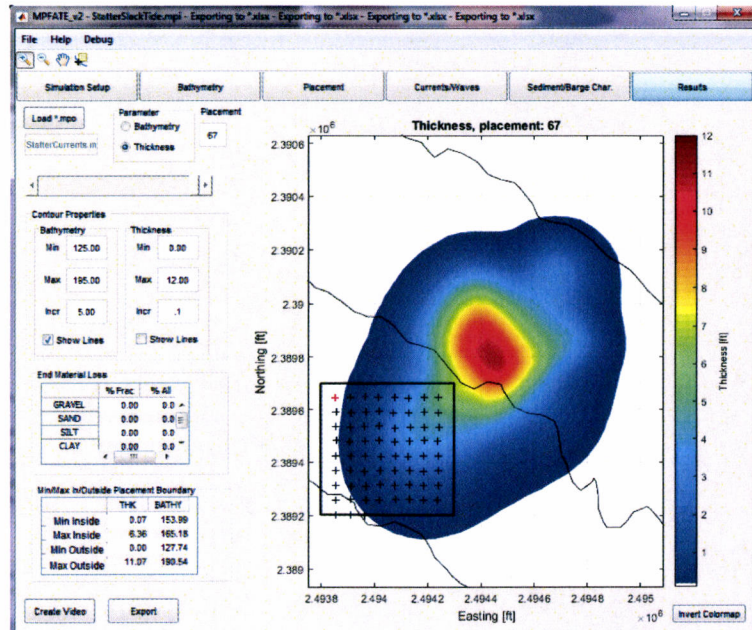


Figure 3 – MPFate Model Output for Smallest Footprint

The attached Land Use Permit Application, Environmental Questionnaire and Land Use Permit Application Supplemental Questionnaire were completed as best as possible. Many of the sections were not applicable as Land Use Permits do not authorize permanent placement of material. Despite the fact that this project involves the permanent placement of material, PND proceeded with the Land Use Permit application at the direction of ADNR. Please don't hesitate to contact me with any questions or for additional information.

Sincerely,

PND Engineers, Inc. | Juneau Office

Breanna Austin

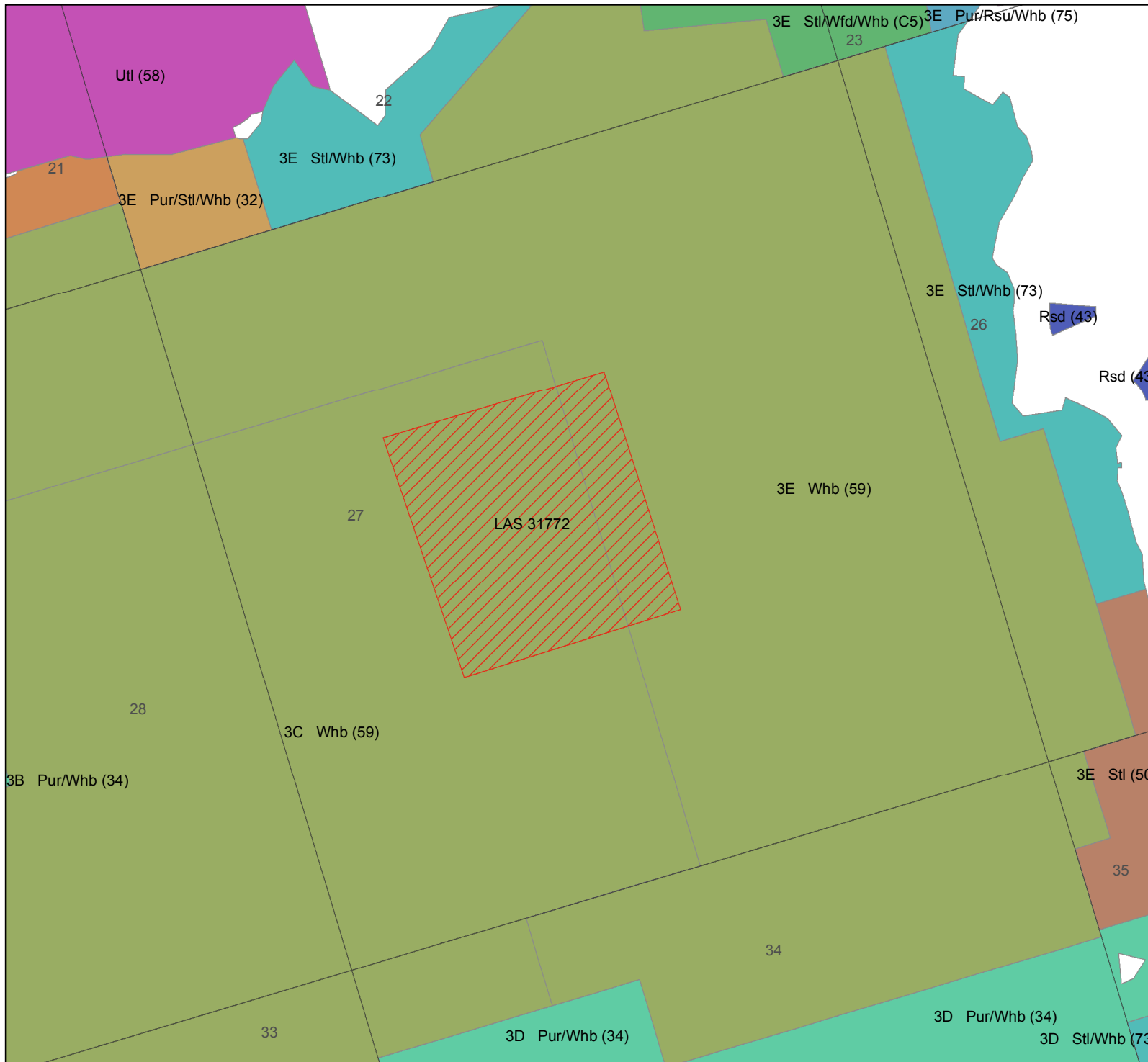
Bre Austin, E.I.T.
Staff Engineer

Cc: Gary Gillette, AIA, CBJ D&H Port Engineer

Enclosures








Land Use Permit Application	(6) pages
Environmental Risk Questionnaire	(2) pages
Land Use Permit Application Supplemental Questionnaire	(9) pages
Dredge Material Characterization Report	(84) pages
POA-2008-782-M4	(1) page

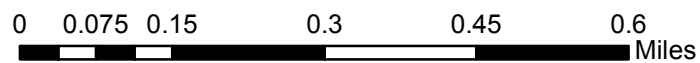
Proposed Disposal Area for Permit LAS 31772



 LAS 31772

Surface Classification


-  Pur/Stl/Whb (32)
-  Pur/Whb (34)
-  Rsd (43)
-  Stl (50)
-  Stl/Wfd/Whb (C5)
-  Utl (58)
-  Whb (59)



Alaska
Department of Natural Resources
Division of Mining, Land & Water
Resource Assessment & Development Section

Revised:
9/19/2017

NAD 83
1:12,000



N

