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.

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

LAS # _____

Applicant Information:

Hilcorp Alaska, LLC — Applicant Name
N/A — Date of Birth

Hilcorp Alaska, LLC — Doing Business As
Deborah Heebner — Contact Person
N/A — EIN

3800 Centerpoint Dr., Suite 1400 — Mailing Address with City, State and Zip
dheebner@hilcorp.com — Email Address

( ) — Home Phone
(907) 670-3382 — Work Phone
(907)-782-7431 — Cell Phone
(907) 777-8560 — FAX

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

Name, address and place of incorporation: Hilcorp Alaska, LLC; 3800 Centerpoint Drive, Suite 1400; Anchorage, AK

Place of incorporation: Delaware

Is the corporation qualified to do business in Alaska? **Yes [X] No [ ]. If yes**, provide name, address and phone number of resident agent: CT Corporation System, 9360 Glacier Hwy, Suite 202; Juneau, AK 99801

Type of User, Select one: **[ ]** Private non-commercial (personal use) **[ ]** Commercial Recreation or Tourism

[ ] Public Non-profit including Federal, State, Municipal Government Agency **[X]** Other commercial or industrial

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

[ ] a single term of less than one year. **Beginning month:** _____ **Ending month:** _____

[X] a multi year term for up to 5 years. **Beginning year:** 2018 **Ending year:** 2023

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 **See attached map.**

Latitude/Longitude or UTM: Off shore of Milne Point F Pad; Latitude 70.507606; Longitude -149.660607 Degrees in NAD 1983 or

Section: 6, Township: 13 North, Range: 10 East, Meridian: Umiat Meridian

(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 0.14 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.)

Conduct maintenance screeding/dredging of sea floor sediments immediately offshore of the existing Milne Point Unit (MPU) F Pad. This screeding/dredging will extend from the center face of the F Pad Barge Landing and parallel F Pad approximately 100 feet. The screeding/dredging will extend out from the north side of F Pad approximately 60 feet. When required the maintenance screeding/dredging will be completed during open water season immediately prior to the use of the F Pad Barge landing for moving drilling rig, rig components, support equipment, and materials between Milne Point, Northstar and Endicott.

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

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):

During the 2017 open water season, Hilcorp ran into small shoals immediately off of the face of F Pad, which limited the amount of barging that could occur and increased the wear and tear on the barge. The bottom material at F Pad moves easily. Prevailing currents Compounded by heavy weather, changes the bathymetry weekly. Hilcorp may need to do maintenance screeding/dredging in this area every spring during open water season prior to transporting drilling rigs and drilling equipment with the barge to and from F Pad.

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

This area is open water adjacent to Milne Point F Pad and the onshore F Pad Barge Landing.

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.

This area is open water adjacent to Milne Point F Pad and the onshore F Pad Barge Landing. F Pad is an industrial gravel pad with no vegetation adjacent to the area where Hilcorp proposes to screed or dredge. No gravel will be recovered if only screeding is necessary. All gravel recovered during dredging will be stored along the shoreline to the west of the F Pad extension or off shore below Mean Higher High Water (MHHW).

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

Hilcorp plans to access the site from existing gravel infrastructure on the North Slope using typical North Slope equipment. Methods of moving the material will be mechanical. Options to dredge along the F Pad face area include the following: (1) utilizing equipment with a bucket from the Barge Landing face and F Pad face: (2) utilizing equipment with a bucket from a barge-type vessel;

If your access is by aircraft, specify the type and size of aircraft: Not Applicable

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. Variable
2. Indicate the number of customers who will be using the site per year or season. Variable
3. Indicate the number of days the site will be used per year or season. The Maintenance screeding/dredging will take 5 to 6 days during open water season only.

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[X] No[ ]. If yes**, please describe:

Hilcorp will use equipment and vessels that run on diesel or gas to screed/dredge the approach to the F Pad Barge Landing area. Methods of moving the material will be mechanical. Options to dredge along the F Pad face area include the following: (1) utilizing equipment with a bucket from the Barge Landing face and F Pad face; (2) utilizing equipment with a bucket from a barge-type vessel;

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

The site will be protected from leaking or dripping hazardous substances or fuel from equipment and vehicles. Hilcorp will place drip pans or surface liners designed to catch and hold fluids under the equipment being utilized from the barge or shoreline.

The specific storage location(s): Not applicable

The spill plan and prevention methods: Hilcorp will place drip pans or other surface liners designed to catch and hold fluids under the equipment on the barge. Any fuel or hazardous substances will be stored in impermeable containment as specified in our ADEC North Slope Oil Discharge Prevention and Contingency Plan.

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? Hilcorp will not use either above or below ground storage containers in this area.

What will be stored in the container? Not applicable

What will be the container's size in gallons? Not applicable

Give a description of any secondary containment structure, including volume in gallons, the type of lining material, and configuration:
Not applicable

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

Will the container be equipped with leak detection devices? **Yes[ ] No[ ]**. **If no**, describe: Not applicable

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

Date Stamp: April 11, 2018

Hilcorp North Slope Environmental Specialist

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.

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

☐ **Contract Administration**
550 W 7th Ave., Suite 640
Anchorage, AK 99501-3576
(907) 269-8594

☐ **Northern Region**
3700 Airport Way
Fairbanks, AK 99709
(907) 451-2740

☐ **Southcentral Region**
550 W 7th Ave., Suite 900C
Anchorage, AK 99501-3577
(907) 269-8552

☐ **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.

Hilcorp Alaska, LLC	Hilcorp Alaska, LLC
Applicant's Name	Doing Business As

3800 Centerpoint Drive, Suite 1400	Anchorage,	Alaska	99503
Address	City	State	Zip

(907)903-0202	(907) 777-8341	jshine@hilcorp.com	Jim Shine, Landman
Message Phone	Work Phone	E-Mail	Contact Person

Describe the proposed activity:

Conduct maintenance screeding/dredging of sea floor sediments immediately offshore of the existing Milne Point Unit (MPU) F Pad. This screeding/dredging will extend from the center face of the F Pad Barge Landing and parallel F Pad approximately 100 feet. The screeding/dredging will extend out from the north side of F Pad approximately 60 feet. When required the maintenance screeding/dredging will be completed during open water season immediately prior to the use of the F Pad Barge landing for moving drilling rig, rig components, support equipment, and materials between Milne Point, Northstar and Endicott.

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.

Hilcorp will use equipment and vehicles that run on diesel or gas to screed/dredge the approach to the F pad Barge landing area. The site will be protected from leaking or dripping hazardous substances or fuel from equipment and vehicles that are being used. Methods of moving the material will be mechanical. Options to dredge along the F Pad face area include the following: (1) utilizing equipment with a bucket from the Barge Landing face and F Pad face; (2) utilizing equipment with a bucket from a barge-type vessel; Any fuel or hazardous substances will be placed in impermeable containment as specified in our ADEC North Slope Oil Discharge Prevention and Contingency Plan.

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? The proposed activities will not involve any storage tanks, either above or below ground.

b. What will be stored in the tank? Not applicable

c. What will be the tank's size in gallons? Not applicable

d. What will the tank be used for? (Commercial or residential purposes?) Not applicable

e. Will the tank be tested for leaks? Not applicable

f. Will the tank be equipped with leak detection devices? Yes ☐ No ☐. If yes, describe: Not applicable

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

If yes, please explain:

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.

Deborah K Hunter Hilcorp North Slope Environmental Specialist — April 11, 2018

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 for:
Off Road Travel

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

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

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

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

No off road travel is planned or required at this time. If off road travel is required, a request will be submitted under our existing Off Road Travel Permit, LAS #29964.

Mileage.

- State the average total miles traveled in one round trip: Not applicable
- State the number of trips proposed: Not applicable

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

Stream and Water Body Crossings. - Note who you contacted in the ADF&G, Division of Habitat:

Date:_____ Person: _____

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

- Maximum volume of fuel (in gallons) that is being transported by one vehicle and any trailers or sleds it is towing: Not applicable gallons.
- Hazardous substances other than fuel:

  Substance Not applicable

  Substance _____

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

Land Use Permit Application Supplemental Questionnaire for:
Use of Uplands and Non Marine Waters

To be completed to provide more detailed information about projects or activities requiring the use of state owned uplands and non marine waters. All site development details identified in this section must be represented graphically in the scaled drawings on Page 4 of the supplement.

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

No temporary improvements are required for this activity. This area is open water adjacent to Milne Point F Pad and the onshore F Pad Barge Landing.

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

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

No non-timber related forest products will be harvested for commercial use

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

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

Typical North Slope equipment will be used on authorized industrial gravel pads and roads or authorized ice roads. If off road travel is required, a request will be submitted under Hilcorp's existing Off Road Travel authorization, LAS #29964.

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

Describe and give dimensions of long term and short term parking and or storage areas. The site is off shore of F Pad and the F Pad Barge Landing area. The F Pad Barge Landing area is used for moving drilling rig, rig components, support equipment, and materials between Milne Point, Northstar and Endicott.

Is parking or storage planned to take place on filled tidelands. **Yes[ ] No[X]**

Does storage involve structures or materials floating in a waterbody? **Yes[ ] No[X]** If yes, describe. _____

Storage and Parking (continued)

Number of disassembled tent frames 0 Number of tent platforms 0

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

Not applicable, the F Pad Barge Landing area will be removed prior to closure of the permit.

The site will be restored to a clean, safe condition, acceptable to the Regional Manager.

Will barrel(s) or an equivalent type of storage container be used? **Yes[ ] No[X]** If using something other than barrels for storage containers, describe the alternative container.

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

The site will be protected from leaking or dripping hazardous substances or fuel from equipment that is being transported by the Barge. Hilcorp will place drip pans or surface liners designed to catch and hold fluids under the equipment. Any fuel or hazardous substances will be placed in impermeable containment as specified in our ADEC North Slope Oil Discharge Prevention and Contingency Plan.

Water / Wastewater

Water Supply – Describe the water supply and proposed use. Hilcorp will use water from Hilcorp permitted water sources for any construction of ice pads or ice roads under our existing Land Use Permit, LAS #29963.

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

No wastewater will be generated with these activities. Any wastewater generated from these activities will be taken to an authorized wastewater facility on the North Slope.

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

The dredging/screeding activities will not generate any significant quantities of waste. Any waste material generated will be properly segregated, labeled and handled to ensure proper disposal at the North Slope Borough Landfill.

Animal Use

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

Will there be commercial use of the animals (horseback rides, packing, dog sled rides, etc.)? **Yes[ ] No[X]** If yes, please explain:

Dismantle, Removal, Restoration Plan – Provide a plan for dismantling and removing temporary structures. Include method and timeline for total site restoration:

There will be no improvements in the area off shore of F Pad. All materials and equipment will be removed from the Barge Landing Area on F Pad upon lease closure. The site will be restored to a clean, safe condition, acceptable to the Regional Manager..

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

___ **Big Game Guiding: (List up to 3 Guide Use Areas.)** Not applicable

___ **Sportfishing (List river corridors, lakes, etc.)** Not applicable

___ **Boating/Rafting/Kayaking: (List river corridors, lakes, etc.)** Not applicable

___ **Other Recreation: (Type and general geographic description.)** Not applicable

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

Not applicable

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

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[X]** If no, give name(s) and current address / phone # of that property owner.

State of Alaska, Department of Natural Resources

3700 Airport Way, Fairbanks, AK 99708-4699 Phone #907-451-2740

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

State of Alaska, Department of Natural Resources

3700 Airport Way, Fairbanks, AK 99708-4699 Phone #907-451-2740

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 [X] No[ ]** Please explain.

Hilcorp is the Oil and Gas Lessee and Operator of Milne Point Unit. Hilcorp owns the improvements and facilities for oil and gas development within Milne Point, Duck Island and Northstar Units. Hilcorp therefore has access to the gravel pads, structures and roads immediately adjacent to the tidelands.

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

Hilcorp's use of the State owned uplands is covered under Lease Operations approvals issued by the Division of the Oil and Gas for development of the oil and gas resources within the Milne Point Unit.

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[X]** (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[X] (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[X] (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[X]** (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[X]** (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[X] (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[X]** 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? ~ 0.59 feet

Are you proposing to alter the line of MHW in any manner**? Yes[ ] No[X]** If yes, explain what you intend to do?
The line of MHW was altered by the original F Pad gravel Fill authorized by the Division of Oil and Gas LO/NS 94-019 dated 2/14/1997; Oil and Gas Lease ADL #25509; U.S. Corps of Engineers Department of Army Permit Modification N-940757, Simpson Lagoon 4; and North Slope Borough Development Permit, NSB 97-038.

Placing fill material on a beach.

What is the purpose of the fill?There is no purpose in placing the dredged material to the west of the F Pad above the Mean Higher High Water (MHHW). The dredged material will be placed to the west of F Pad as a contingency if the dredged material is not placed off shore below MHHW. Hilcorp may screed instead of dredge to level the seafloor. Screed leveling of the seafloor sediment will not result in any dredged material, nor will dredged material be placed above above MHHW.

Is there an upland survey that has established a meandered boundary line? **Yes[ ] No[ ]** If yes, Survey # BP As-Built Survey only
(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[X]** 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[X]** 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[X]** 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[X]**

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

How will the fill affect public access along the beach? Not applicable as the area is adjacent to an industrial gravel pad authorized by Division of Oil and Gas LO/NS 94-019 dated 10/23/1994 and 2/14/1997under Oil and Gas Lease ADL #25509.

Excavation of materials from a beach.

What is the purpose of the excavation? No materials will be excavated from the beach above the Mean Lower Low Water (MLLW). Hilcorp Alaska, LLC (Hilcorp) requests approval to conduct maintenance screeding/dredging of sea floor sediments immediately offshore of the existing Milne Point Unit (MPU) F Pad. This screeding/dredging will extend from the center face of the F Pad Barge Landing and parallel F Pad approximately 100 feet. The screeding/dredging will extend out from the north side of F Pad approximately 60 feet.

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? up to 500 cubic yards and what will this excavated material be used for or where will it be disposed of ?
If a screed is used to level the seafloor, no sediment will be disposed of above MHHW and the dredged sediments from the screed will be deposited in the most off shore portion of the permitted dredging area. If Dredging is used to level the seafloor, up to a total of 500 cubic yards per year of surplus material or sea floor may be dredged and placed to the east of F Pad expansion in a 1 acre area shown on the attached Figure 2.

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.

There will be no improvements on the site. All materials and equipment stored will be removed from the site upon closure of the permit. The site will be restored to a clean, safe condition, acceptable to the Regional Manager.

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)

This project does not involve fill.

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?

This project does not involve the installation of anchors or pilings.

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

All solid wastes and hazardous wastes will be properly segregated, labeled, and stored to ensure proper disposal. Solid wastes will be transported to the North Slope Borough landfill. Hazardous wastes will be manifested and shipped in accordance with Hazardous Materials Transportation Regulations and the requirements of 49 CFR Part 172 Subpart H.

E. If components can be reused for other projects, such as anchors, identify where they would be stored? Not applicable

Hilcorp Alaska, LLC

Milne Point Unit
F Pad Maintenance Dredging/Screeding
Project Description

1.0 INTRODUCTION

Hilcorp Alaska, LLC (Hilcorp) requests approval to conduct maintenance screeding/dredging of sea floor sediments immediately offshore of the existing Milne Point Unit (MPU) F Pad. This screeding/dredging will extend from the center face of the F Pad Barge Landing and parallel F Pad approximately 100 feet. The screeding/dredging will extend out from the north side of F Pad approximately 60 feet. When required the maintenance screeding/dredging will be completed during open water season immediately prior to the use of the F Pad Barge landing for moving drilling rig, rig components, support equipment, and materials between Milne Point, Northstar and Endicott.

2.0 PROJECT DESCRIPTION

During the 2017 open water season, Hilcorp ran into small shoals immediately off of the face of F Pad, which limited the amount of barging that could occur and increased the wear and tear on the barge. The bottom material at F Pad moves easily. Prevailing currents compounded by heavy weather, changes the bathymetry weekly. Hilcorp may need to do maintenance screeding/dredging in this area every spring. The maximum draft of the vessels utilizing the Barge Landing at F Pad in the open water season will be 4.5 feet. Hilcorp is requesting a water depth of approximately 3.5 feet below Mean Lower Low Water (MLLW), which will provide 1 foot of clearance. Hilcorp proposes to level the bottom in the approach area immediately off of F Pad and if required remove material depending on our initial survey. An overview of MPU is provided in Figure 1. Figure 2 shows the current permitted limits of F Pad fill based on the 1997 Record Drawings and soundings off of F Pad. The F Pad gravel pad construction was authorized by Division of Oil and Gas LO/NS 94-019 dated 10/23/1994 and 2/14/1997 under Oil and Gas Lease ADL#25509. The North Slope Borough authorized the F Pad Expansion under Development Permit, NSB 97-038. Figure 2 also shows the area that Hilcorp is proposing to level in the approach to the F Pad Barge Landing for the 2018 barge activity. The F Pad Barge Landing is authorized by Division of Oil and Gas LO/NS 94-019 dated 11/2/2017 and North Slope Borough Administrative Approval, NSB 18-048.

The U. S. Army Corps of Engineers authorized the construction of F Pad with Department of Army Permit, file number 2-940757. All work was performed in accordance with the Project Description and Plan of Operations dated July 25, 1994. The U.S. Army Corps of Engineers also authorized an expansion of F Pad on February 25, 1997 with Department of Army Permit, file number N-940757. All work was performed in accordance with the plans dated November, 1996. The approved F Pad Design in the area of the Barge Landing included a 7:1 side slope as a stable design for erosion protection. Please note that

the original pad fill limit (November,1996 plan) is 50-60 ft seaward of the dock face. This area will be included in the maintenance screeding/dredging area.

The sea bottom configuration in the project area was derived from the most recent bathymetric data available, which was acquired on July 19, 2017.

No gravel/seafloor sediment will be recovered if only screeding is necessary. All gravel/seafloor sediment recovered during dredging will be stored along the shoreline to the west of the F Pad extension or off shore below Mean Higher High Water (MHHW). The attached Figure 2 shows an area of approximately 1.5 acres to the west of the F Pad extension. Methods of moving the material will be mechanical. Options to dredge/screed along the F Pad face area include the following: (1) utilizing equipment with a bucket from the Barge Landing face and F Pad face: (2) utilizing equipment with a bucket from a barge-type vessel; (3) utilizing equipment with a rake-type system from the Barge Landing Face or Barge-type vessel; (4) screed dredging to re-contour the sea floor bottom. The barge will back drag the area and restore the sea floor to depths of approximately 3.5 feet below Mean Lower Low Water (MLLW). The screed is mounted on the end of the barge and adjusted to the required sediment depth immediately adjacent to the face. The barge is then pulled by a tug straight off shore, with the Screed leveling the seafloor sediment at the set depth, perpendicular to the shoreline as necessary, to level an approximate area 60 feet wide by 100 feet in length along the face of F Pad. The proposed area of screeding/dredging will be 60 feet by 100 feet or 6000 square feet (~0.14 acre) as shown on the attached figures. Up to a total of 500 cubic yards per year of surplus material or sea floor may be dredged in the Barge Landing approach at F Pad.

Table 1: Location of MPU F Pad

Pad	Proposed Work	Approximate Pad Center		
		Location	Latitude	Longitude
F	Screed/Dredge sea floor sediments immediately offshore of the existing gravel pad and Barge Landing at F Pad	S6, T13N R10 E, Umiat Meridian	70.507606° N NAD 1983	-149.660607° W NAD 1983

The limited duration (5 to 6 working days) of the screeding/dredging activities is not expected to impede fish passage or unduly impact the near shore marine environment in a benthic ecosystem already adapted to frequent perturbations, such as summer coastal storms and winter ice gouging. Dredging will suspend sediments from the seafloor and cause some localized increases in turbidity. Given the short duration and the highly localized nature of the planned screeding/dredging activities, no affects to fish movement are anticipated.

3.0 PROJECT SCHEDULE

Hilcorp proposes to conduct the maintenance screeding/dredging as soon as the ice melts in the area off F Pad. The screeding/dredging activities are anticipated to take approximately 5 to 6 working days to complete. If required, Hilcorp will sample potential dredge material and test for contaminants and grain size prior to any dredging occurring. The number of samples will be not less than 3 samples. The

samples will be tested for Benzene, Ethylbenzene, Toluene, Xylene (BTEX), Gasoline Range Organics (GRO), Diesel Range Organics (DRO), Residual Range Organics (RRO), Total Organic Carbon 9TOC), and Total Metals (AS, Cd, Cu, Pb, Hg, Ni, Ag, Zn). Fine grained sediments, those having more than 50% passing the No. 200 sieve (United Soil Classification System), will be screed by barge, if possible rather than dredged. If, however, dredging is determined to be necessary, the fine grain will be dredged and then stockpiled in the area to the west of the F Pad extension or off shore below MHHW.

4.0 PERMITS/AUTHORIZATIONS/APPROVALS

The following permits and approvals will be applied for in support of this project:

- Department of Army Permit Modification; N-940757, Simpson Lagoon 4.
- Alaska Department of Natural Resources/Division of Mining, Land and Water/Northern Regional Office Land Use Permit Application.
- North Slope Borough (NSB) Administrative Approval;

5.0 SCOPE

The proposed general maintenance screeding/dredging activities at F Pad will cover approximately 6000 square feet (0.14 acre) as shown on the attached figure. Up to a total of 500 cubic yards per year of surplus material or sea floor may be dredged in the Barge Landing approach at F Pad.

The scope of the project includes:

- If required, sampling of Potential Dredge Material
- General Maintenance Screeding/Dredging at F Pad Barge Landing and F Pad Face;
- Options to dredge/screed along the F Pad face area include the following: (1) utilizing equipment with a bucket from the Barge Landing face and F Pad face: (2) utilizing equipment with a bucket from a barge-type vessel; (3) utilizing equipment with a rake-type system from the Barge Landing Face or Barge-type vessel; (4) screed dredging to re-contour the sea floor bottom. The barge will back drag the area and restore the sea floor to depths of approximately 3.5 feet below Mean Lower Low Water (MLLW).
- If required, placement of dredged material on the shoreline west of F Pad Extension or off shore below MHHW;
- Re-grading and grading of gravel side slopes to match barge heights ;

The project area is accessible from existing gravel facilities and Hilcorp will use existing infrastructure to support this project. Screeding/Dredging will be managed by the Milne Point Unit Field Foremen, Mark O'Malley and John Menke.

Hilcorp is the operator for all activities associated with the Milne Point Unit production facilities. Drilling activities and transport of drill rigs and equipment will be conducted under the direction of Paul Mazzolini, Hilcorp's Drilling Manager (907-777-8369). Major drilling equipment components that will be transported include the following:

- Drill rig and pipe

- Boilers
- Mud tanks and mud pumps
- Rig Generator
- Work trailers for supervisory and support staff
- Light plants

5.1 Gravel Use

No gravel use is required for this project. Any gravel use would be tracked in compliance with applicable Material Sale Contract, ADL #420361.

5.2 Water Use

Existing ADNR permitted water sources will be utilized. All water use will be tracked in compliance with applicable water source permits.

5.3 Waste Management

The project is not expected to generate any significant quantities of waste materials. Any waste material generated as a result of the pad extension will be disposed of in an approved manner at existing facilities. Solid wastes and combustibles will be hauled off-site to the North Slope Borough landfill. Waste will be handled consistent with Hilcorp waste management practices as outlined below:

- Waste will be properly segregated, labeled, and stored to ensure proper disposal.

5.4 Off-Road Travel

There is no tundra travel expected for the proposed screeding/dredging. If access to tundra is required for snow removal from the proposed footprint, Hilcorp will obtain agency approval prior to initiating activities.

5.5 Local Hire and Community Relations

Hilcorp employs Arctic Slope Regional Corporation (ASRC) subsidiaries for our Mechanic Shop and Warehouse. Hilcorp also employs Kuukpik Drilling (Subsidiary of Kuukpik Corporation (Village Corporation for Nuiqsut) for all our Drilling. In addition, more than 95 percent of Hilcorp's workforce is comprised of Alaska residents. Hilcorp works with local organizations to encourage growth in the local service sector. While not all contracted services are awarded to local/in-state providers, Hilcorp strives to do business locally whenever possible.

5.7 Environmental, Health, and Safety Training

All employees and contractors receive Environmental, Health, and Safety (EH&S) training, either provided by Hilcorp or their employer. Topics covered include, but are not limited to, the following:

- Job hazards
- Safe work practices
- Drug and alcohol policies
- Permits and regulations

- F Pad Site Specific Environmental Awareness
- Wildlife interactions
- Spill prevention and reporting
- Waste management

In addition to the general EH&S orientation program, individuals are trained according to job-specific requirements, such as drilling operations and construction equipment operations.

5.8 Contingency Plans

Activities, including drilling, at Milne Point Unit are conducted in compliance with the following plans:

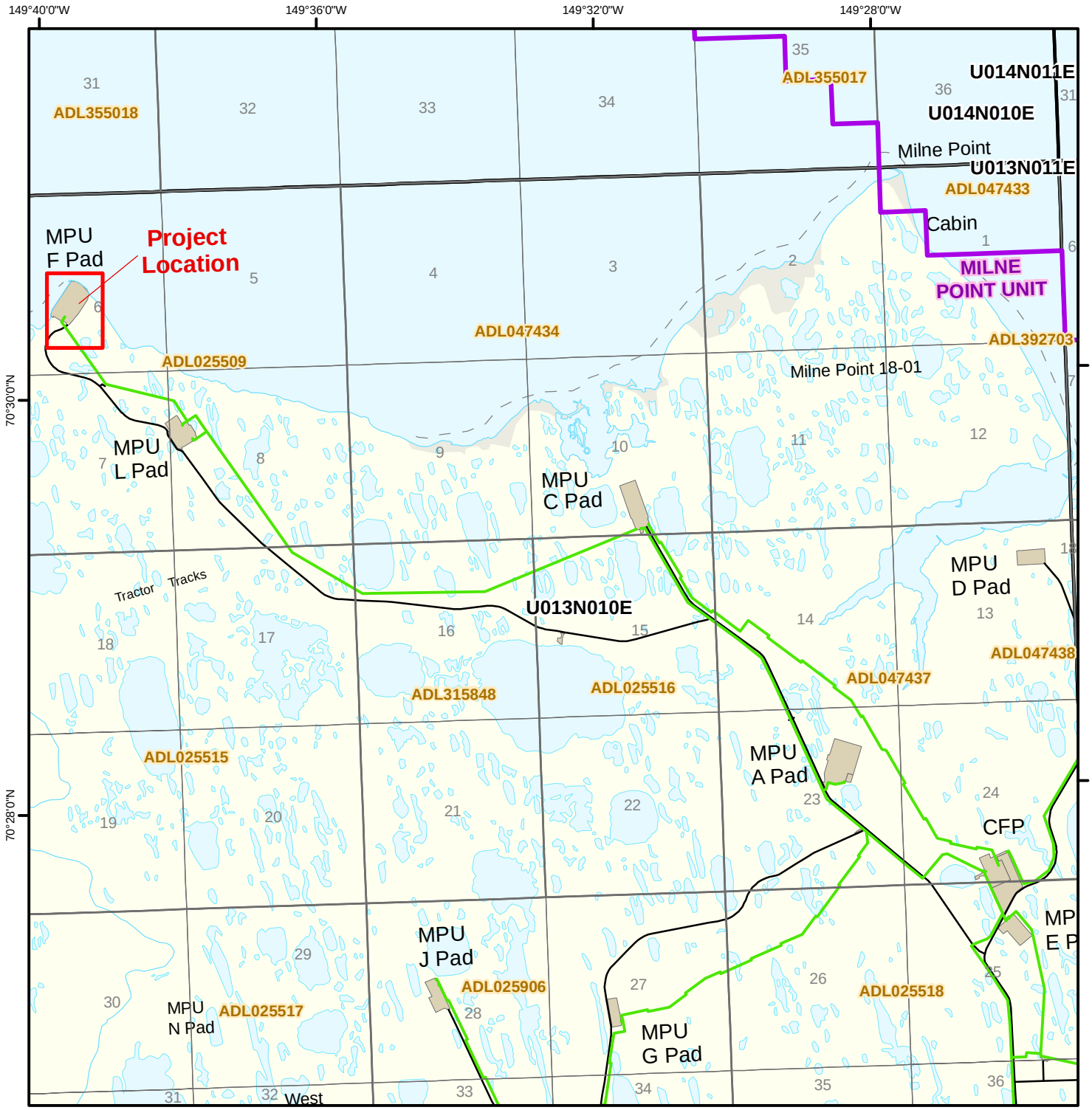
- Hilcorp's Oil Discharge Prevention and Contingency Plan for North Slope Facilities (March 2015)
- Hilcorp's Storm Water Pollution Prevention Plan for North Slope Facilities (SWPPP) (January 2016)
- Bear Interaction Plan for Hilcorp Alaska, LLC. North Slope Areas of Operation (December 2015); The applicant will operate under the U.S. Fish and Wildlife Service's Polar Bear and Walrus Interaction Plan and LOA 14-14 and LOA 14-INT-08 as issued by the U.S. Fish and Wildlife Service and the Marine Mammals Management Office, dated November 14, 2014.

5.9 Rehabilitation Plan

Facility infrastructure will be removed from the MPU pads at the time of facility decommissioning. After the Milne Point Unit is no longer producing, the pads will be cleaned and reclaimed in compliance with applicable laws and regulations.

6.0 ATTACHMENTS

- Figure 1, Milne Point Unit F Pad Vicinity Map
- Figures 2 and 3, Milne Point Unit F Pad Proposed Maintenance Dredging/Screeding



Project Location:
Milne Point Unit - F-PAD

Latitude (Decimal Degrees): 70.507606, NAD 1983
Longitude (Decimal Degrees): -149.660607, NAD 1983

Alaska State Plane Zone 4, NAD 1983
X = 1193256.2
Y = 6035247.6

Sec. 6, T13N, R10E, Umiat Meridian

ADL 025509
Adjacent Property Owner: State of Alaska

Legend

- Existing Pipeline
- Existing Roads
- Oil and Gas Unit Boundary
- Gravel Footprints

Hilcorp Alaska, LLC

Map Date: 8/14/2017

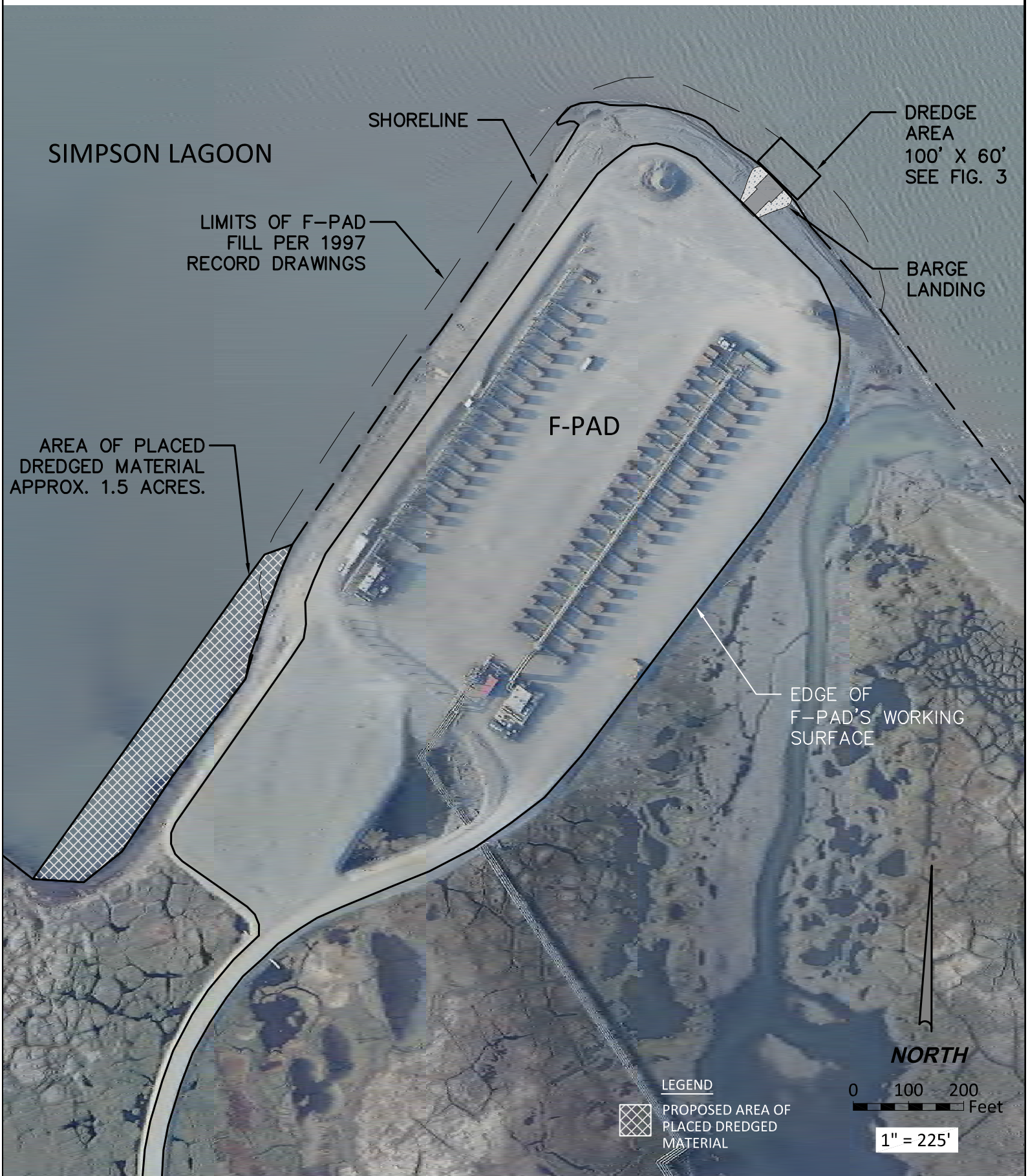
Milne Point Unit
MPU F-PAD
Vicinity Map

Alaska StatePlane Zone 4 NAD 1983 (Feet)

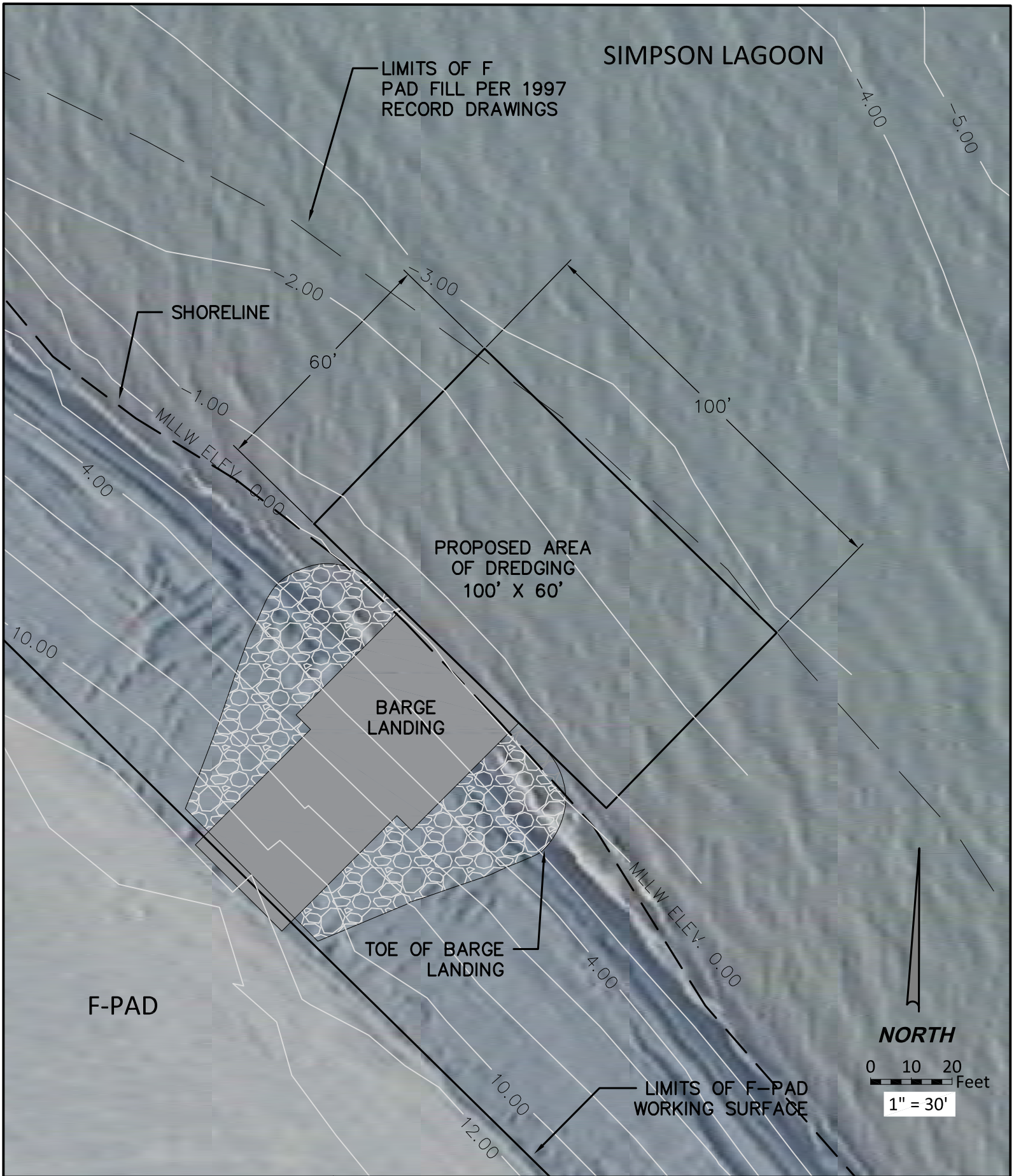
0 0.5 1 Kilometers

0 0.5 1 Miles

N



ADDRESS: RECON LLC, 481 W. RECON CIRCLE, PALMER AK 99645	FIGURE 2. MILNE POINT UNIT MPU F-PAD PROPOSED REMOVAL AND PLACEMENT AREA OF DREDGED MATERIAL	RECON Rowland Engineering Consultants / Hilcorp
ENGINEER: STEVE ROWLAND, PE		
CONTACT: (907)355-3006, steve@reconllc.net	8 1/2" X 11" 04/10/2018	SHEET NO: 2 OF 3



ADDRESS: RECON LLC, 481 W. RECON CIRCLE, PALMER AK 99645	FIGURE 3. MILNE POINT UNIT MPU F-PAD BARGE LANDING PROPOSED AREA OF DREDGING	RECON Rowland Engineering Consultants; Hilcorp
ENGINEER: STEVE ROWLAND, PE		
CONTACT: (907)355-3006, steve@reconllc.net	8 1/2" X 11" 04/10/2018	SHEET NO: 3 OF 3