

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

PRELIMINARY DECISION

ADL 234170

United States Fish and Wildlife Service

Application for Lease

AS 38.05.810(a)

This Preliminary Decision (PD) is the initial determination on a proposed disposal of interest in state land and is subject to comments received during the public notice period. The public is invited to comment on this PD. The deadline for commenting is **11:59PM October 17, 2024**. Please see the Comments section of this decision for details on how and where to send comments for consideration. Only the applicant and those who comment have the right to appeal the Final Finding and Decision (FFD).

Proposed Action:

The Department of Natural Resources (DNR), Division of Mining, Land and Water (DMLW), Southcentral Regional Office (SCRO) has received a request from the U.S Fish and Wildlife Service (USFWS) to lease 1.0 acre of land, more or less, for 10 years authorizing the relocation, upgrade, and maintenance of a floating dock and ramp located on the Naknek River in King Salmon, Alaska. The existing dock permit site, authorized under LAS 227731, is being relocated from the furthest downstream end of the USFWS upland property due to shoaling. USFWS intends to vacate LAS 227731 and build the new facilities pursuant to SCRO lease terms. The location of the project area is further described as being within Section 26, Township 17 South, Range 45 West, Seward Meridian. USFWS's proposal consists of a floating "EZ-Dock" that will be used to moor boats and floatplanes during the summer season. USFWS will construct a new abutment structure that would occupy 392 square feet for a 50-foot aluminum gangway and a new 20-foot wide gravel ramp supported by (3) 16-foot diameter steel pipe piles. The EZ-Dock float would occupy 1,648 square feet of the river; the gangway would cover 300 square feet of submerged lands.

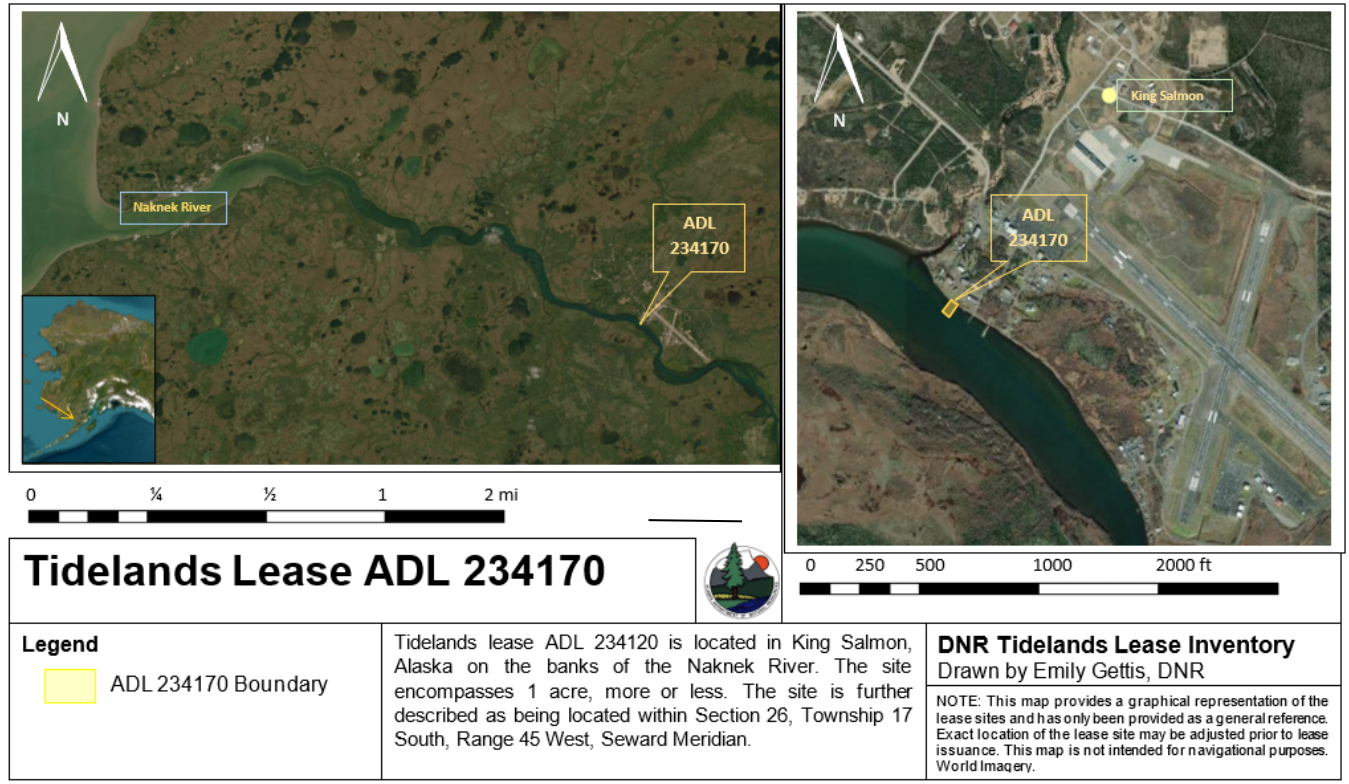
SCRO is considering the issuance of a 10-year tidelands lease to USFWS for the relocation, construction, operation, and maintenance of a floating dock and related infrastructure. SCRO

would issue an Entry Authorization (EA) for construction within the leasehold prior to lease issuance.

Scope of Review:

The scope of this decision is to determine if it is in the State’s best interest to issue USFWS an authorization to the state-owned tidelands that would provide access to the applicant’s privately owned uplands.

Figure 1: Overview Map of Project Area



Authority:

This lease application is being adjudicated pursuant to AS 38.05.035(b)(1) and AS 38.05.035(e) Powers and Duties of the Director; AS 38.05.070(b) Generally; and AS 38.05.945 Notice.

The authority to execute the PD, FFD, the EA, and the lease has been delegated to the Regional Managers of DMLW.

Administrative Record:

Case file LAS 227731 and ADL 234170 constitute the administrative record for USFWS’s lease application.

The administrative record for the proposed action consists of the Constitution of the State of Alaska, the Alaska Land Act as amended, applicable statutes and regulations referenced herein,

the 2013 Bristol Bay Area Plan (BBAP), and other classification references described herein, and the casefile for the application serialized by DNR as ADL 234170.

Legal Description, Location, and Geographical Features:

The State land where this proposed lease is located is described as follows:

- **Legal description:** NW1/4 of Section 26, Township 17 South, Range 45 West, Seward Meridian
- **Geographical location:** On the right bank of the Naknek River near Eskimo Creek in King Salmon, Alaska
- **Approximate Lat/Long:** 58° 40.7949' N, 156° 40.4505' W
- **Area geographical features:** Submerged lands that are shallow-sloping cobble and mud riverbed. Riverbanks are vegetated with grass and low shrubbery.
- **Existing surveys:** U.S. Survey No. 4688
- **Municipality/Borough:** King Salmon
- **Native Corporations/Federally Recognized Tribes:** King Salmon Tribe
- **Size:** 1.0 acre, more or less

Title:

SCRO requested a title report from DMLW's Realty Services Section on June 6, 2023 which has not been received at the time of this decision. Should the title report note any major changes, they will be addressed in the FFD.

Third Party Interests:

There are no known third-party interests at this time.

Classification and Planning:

The project area is subject to the 2013 Bristol Bay Area Plan (BBAP), Region 11 Bristol Bay Borough Area, Management Unit 11T-02: King Salmon (map number 3-11). The lands encompassed by ADL 234170 are designated as Waterfront Development (Wd), providing water-dependent or water-related facilities suitable for commercial or industrial activities. This area is to be retained in state ownership and this management designation covers tidelands and submerged shorelands for water-dependent or water-related facilities.

The USFWS operation of a seasonal floating dock to service the National Wildlife Refuge is in the public interest and correlates to the Wd classification of the area. The USFWS shoreline development in this area does not inhibit the needs of the large fishery in this area including tideland support facilities.

Traditional Use Findings:

The proposed site is located within the Bristol Bay Borough. Pursuant to AS 38.05.830 a traditional use finding is not required.

Access:

The USFWS will access the proposed leasehold through the USFWS privately owned uplands adjacent to their property via the dock and ramp. Although the dock and ramp are closed to the public, USFWS will not prevent public access to state tide or submerged lands.

Access Along Navigable and Public Waters:

Nearly all shore and tide lands in the State of Alaska are subject to a To and Along easement (AS 38.05.127 and 11 AAC 51.045). The purpose of this easement is to uphold the constitutional right of the public to have free access to, and use of, the State's waterways.

USFWS has confirmed that this authorization will not restrict public access to the water. USFWS requests that, in the interest of public safety, access to the public be restricted for the dock itself and attendant features. However, access to and along the shoreline would not be restricted.

Public Trust Doctrine:

Pursuant to AS 38.05.126, all authorizations for this site will be subject to the principles of the Public Trust Doctrine; specifically, the right of the public to use navigable waterways and the land beneath them for navigation, commerce, fishing, hunting, protection of areas for ecological studies, and other purposes. These rights must be protected.

Agency Review:

An agency review was conducted on April 18, 2023. The deadline for agency comments was May 8, 2023.

The following agencies were included in the review:

- DNR DMLW Land Conveyance Section
- DNR DMLW Mining Section
- DNR DMLW Public Access Assertion and Defense Section
- DNR DMLW Realty Services Section
- DNR DMLW Survey Section
- DNR DMLW Water Resources Section
- DNR Division of Agriculture
- DNR Division of Forestry & Fire Protection
- DNR Division of Geological & Geophysical Surveys
- DNR Division of Oil and Gas / State Pipeline Coordinator Service
- DNR Division of Parks and Outdoor Recreation / Office of History and Archaeology – State Historic Preservation Office
- DNR Natural Resource Conservation and Development Board
- Department of Commerce, Community and Economic Development
- Department of Environmental Conservation

- Department of Fish & Game
- Department of Transportation & Public Facilities
- U.S. Army Corps of Engineers
- U.S. Bureau of Land Management
- U.S. Coast Guard
- U.S. Environmental Protection Agency
- U.S. Fish and Wildlife Service
- U.S. National Park Service
- U.S. National Oceanic and Atmospheric Administration - National Marine Fisheries Service

A total of two agency comments were received during the review period and are summarized below:

Comment: On April 18, 2023, the Alaska Department of Fish and Game Habitat Division (ADFG) responded that ADFG has issued a Fish Habitat Permit for this dock project and that the agency has no objections to the authorization proposed lease action.

Response: DNR acknowledges the comment and SCRO will require USFWS to adhere to the regulations outlined in the issued permit for the duration of their authorization.

Comment: On April 19, 2023, the Public Access Assertion and Defense Unit (PAAD) provided the guidance that there is no specification of mean high tide or ordinary high water (OHW) on the right bank of the Naknek River. There is also a Public Land Order (PLO) that specifies boundary withdrawals as the right bank of the Naknek River. PAAD stated that their concern is for the public trust to be maintained along the OHW of the Naknek River while the federal uplands and structures are closed to the public.

Response: DNR acknowledges the comment this comment from PAAD. Access is restricted to the dock and attendant features, however, access to and along the shoreline will not be restricted. The USFWS will adhere to AS 38.05.128 and this authorization does not obstruct or interfere with public access to navigable water.

Lease Discussion:

On April 18, 2023, the SCRO deemed an application submitted by USFWS for a 10-year short-term Federal tidelands lease complete. The proposed leasehold is located within the Naknek River of King Salmon, Alaska. This lease proposal seeks to facilitate essential dock operations during the summer season. Due to shoaling, the previous downstream location of this operation, within LAS 227731, requires the operation to be relocated. USFWS intends to transfer and establish the floating EZ-Dock at this designated location, accompanied by the construction of a sheet pile abutment, gangway, and gravel boat ramp. The relocation site offers access to deeper

water that will mitigate shoaling. USFWS owns the adjacent upland. The proposed facilities at the property are intended exclusively for internal use by USFWS. The proposed lease is a facility operated by the federal agency to effectively service the National Wildlife Refuges in the interest of the public.

USFWS will construct a new abutment structure that would occupy 392 square feet for a 50-foot aluminum gangway, and a new 20-foot-wide gravel ramp supported by (3) 16-foot diameter steel pipe piles. The EZ-Dock float would occupy 1648 square feet of the river; the gangway would cover 300 square feet of submerged lands. The EZ-Dock is secured by 6 anchors and 6 anchor chains. The floats and anchors will be removed each winter and stored when not in use. This facility will allow for launching and retrieval of trailerable boats, transferring of materials and supplies, and will serve as an access point for the USFWS for seasonal installation and removal of the dock and anchor system. While the ramp and dock will be closed to the public, the operation will not prevent or inhibit public access to the Naknek River or surrounding submerged lands. Five refuge staff members would operate and monitor the site facilities throughout the July-October months and between 10-20 non-refuge or USFWS staff visitors per season.

The application submitted by USFWS requests a 10-year lease. SCRO agrees with the short-term request which aligns with USFWS management practices and goals for their operation in this area. Monitoring the changing landscape of the Naknek River during a short-term lease will allow for an opportunity to reevaluate impacts on the highly used, surrounding area. Relocation of the structures is also consistent with the USFWS goals for consolidation of dock activities to a central area. The applicant, a federal government agency, qualifies for lease under AS 38.05.810(a).

The proposed lease will be subject to the terms of SCRO's standard lease document (available for review upon request) and any stipulations based, in part, upon the following considerations.

Development Plan:

The Development Plan (DP) attached to this decision (Attachment A) and dated December 22, 2022 is under consideration by SCRO. Should the proposed lease be granted, it is anticipated that the DP will need to be updated throughout the life of the lease as activities and/or infrastructure are added or subtracted. All updates must be approved, in writing, by SCRO before any construction, deconstruction, replacement of infrastructure, or change in activity. SCRO reserves the right to require additional agency review and/or public notice for changes that are deemed by SCRO to be beyond the scope of this decision.

Hazardous Materials and Potential Contaminants:

No fuel will be stored on state land. Fuel equipment for boat operations would be loaded onto boats into portable fuel tanks; maximum load for boats will be 20 gallons. Fuel equipment for aircraft will be fueled from an onshore tank; maximum fuel storage for aircraft will be 100 gallons. The fuel will be stored on the newly constructed abutment, landward of Mean High Water, and protected by bollards. The aircraft fueling apparatus will undergo regular inspections and adhere

to the U.S. Environmental Protection Agency's Spill Prevention, Control, and Countermeasure (SPCC) plans and guidelines.

The use and storage of all hazardous substances must be done in accordance with existing federal, state, and local laws. Debris (such as soil) contaminated with used motor oil, solvents, or other chemicals may be classified as a hazardous substance and must be removed from the lease site and disposed of in accordance with state and federal law.

Lease Performance Guaranty (bonding):

In accordance with AS 38.05.035 and AS 38.05.860, USFWS will be required to submit a performance guaranty for the lease site.

- **\$4,600.00 Performance Bond:** This bond will remain in place for the life of the proposed lease. The bond amount is based upon the level of development, amounts of hazardous material and/or substances on site, and the perceived liability to the State. This bond will be used to ensure the applicant's compliance with the terms and conditions of the lease issued for their project. This bond amount will be subject to periodic adjustments and may be adjusted upon approval of any amendments, assignments, reappraisals, changes in the DP, changes in the activities conducted, or changes in the performance of operations conducted on the authorized premises, and as a result of any violations to one or more of the authorizations associated with this project.
- **Reclamation Bond:** SCRO is reserving the right to require a reclamation bond due to noncompliance issues during the term of the lease or near the end of the life of the project.

Insurance:

USFWS will be required to submit proof of liability insurance to SCRO, with the State of Alaska listed as a "NAMED" insured party. USFWS will be responsible for maintaining such insurance throughout the term of the EA and the lease.

Survey:

In accordance with AS 38.04.045, this short-term land lease does not require a survey. However, the State of Alaska reserves the right to require one in the future, should the need arise due to changes in statutes or increased use of the area. The applicant will be required to submit GPS coordinate points for the leased area.

Entry Authorization:

SCRO is proposing to authorize USFWS entry onto state land through the issuance of an EA while they are completing the dock relocation and construction of infrastructure necessary for the lease site.

The proposed EA would be issued after the FFD goes into effect. The effective date of the EA will be the start of the lease term length.

Compensation and Appraisal:

Because USFWS is a Federal Agency, there is no annual Lease fee. The Lessor reserves the right to condition any approval for new or different activities or uses of the leasehold (including activities or uses in connection with an approved sublease) upon payment of a Lease fee. In accordance with AS 38.05.840(b), USFWS will not be required to provide an appraisal for this lease site before lease issuance.

Subleasing:

Subleasing is permissible through AS 38.05.095, though no commercial use of the lease site is allowed under AS 38.05.810(b-d). Any potential nonprofit subleases must be approved in writing by SCRO before any agreement is entered into. Depending on the activity, SCRO is reserving the right to reevaluate the need for further agency review and/or public notice before making a determination on the appropriateness of the proposed sublease. Furthermore, SCRO is reserving the right to charge a sublease annual fee, though this fee is often waived for nonprofit activities. Sublease compensation to the State will be determined by SCRO according to AS 38.05.073(m), under the authority of AS 38.05.075(a) Leasing Procedures.

Assignment of Lease:

The proposed lease, if issued, may be transferred or assigned to another entity that qualifies under 38.05.810(a) only with written approval from the DNR DMLW. A lease will not be assigned to an entity if that entity does not meet the statutory requirements of the lease, or if the lessee is considered not to be in “good standing” with this or any other agency authorization. DMLW reserves the right to amend the terms of the lease prior to assignment.

Reclamation:

In accordance with AS 38.05.090(b), all lessees must restore their lease site to a “good and marketable condition” within 120 days after termination of the lease. What level of reclamation constitutes as being “good and marketable” is at the discretion of SCRO.

Public Notice of the Preliminary Decision:

Pursuant to AS 38.05.945, this PD will be advertised for 30-day public comment period. Notice will be posted on the Alaska Online Public Notice System at <http://aws.state.ak.us/OnlinePublicNotices/Default.aspx> and the post offices located in King Salmon, Alaska and Naknek, Alaska. Courtesy notices will also be mailed or emailed to neighboring property owners, permit/lease holders, and other interested parties on September 17, 2024, for a 30-day public comment period.

Comment(s):

This decision is subject to both public and agency comments, and all comments received by the comment deadline will be considered in the FFD. Only those who comment and the applicant have the right to appeal the FFD.

Written comments about this project must be received in this office no later than 11:59 PM on October 17, 2024 to be considered.

To submit comments or project proposals, please choose one of the following methods:

Postal: Department of Natural Resources
Division of Mining, Land and Water
Southcentral Region Office
ATTN: Emily Gettis
550 West 7th Avenue, Suite 900C
Anchorage, AK 99501-3577
Email: Emily.gettis@alaska.gov
Fax: (907) 269-8913

Questions about the lease portion of this project can be directed to Emily Gettis at (907) 269-8619.

If public comments result in significant changes to the Preliminary Decision, additional public notice will be given. To be eligible to appeal the Final Finding and Decision, a person must provide written comments during the Preliminary Decision comment period per AS 38.05.035(i)-(m).

Signature page follows

Recommendation:

SCRO has completed a review of the information provided by the applicant, examined the relevant land management documents, and has found that this project is consistent with all applicable statutes and regulations. SCRO considered three criteria to determine if this project provided the best interest to the State and the development and enjoyment of its natural resources. The criteria include indirect economic benefit to the State and encouragement of the development of the State’s resources. This authorization provides an indirect economic benefit through the encouragement and development of the State’s resources. The authorization of this lease is in the State’s best interest to offer development of the proposed lease area for the use and operation of a seasonal floating dock facility for the USFWS to serve the National Wildlife Refuge in the interest of the public. It is recommended that SCRO issue a 10-year lease to USFWS.

9/17/2024

Emily Gettis, Natural Resource Specialist

Date

Preliminary Decision:

It is the determination of the Division of Mining, Land and Water that it may be in the State’s best interest to issue a tidelands lease for 10 years to USFWS, a government agency, as described above. Upon authorization of the lease, the applicant will be required to submit a \$4,600.00 performance bond and provide proof of liability insurance. This Preliminary Decision shall now proceed to public notice.

9/17/2024

Joni Sweetman, Acting Regional Manager

Date

Division of Mining, Land and Water, Southcentral Regional Office

Attachments

Attachment A – Development Plan

Attachment B – Location Map/Graphics



Attachment A Development Plan

December 22, 2022

Alaska Peninsula and Becharof National Wildlife Refuges Headquarters Marine Facilities Development Plan

Project Description

The Refuge floating dock serves as the primary access point for Fish and Wildlife Service employees to the Naknek River by boat and to surrounding communities by floatplane. The floating dock serves as a berth for moored boats and floatplanes during the summer months and is removed seasonally to avoid damage. The launch ramp provides for diverse uses including launching and retrieval of trailerable boats, transfer of materials and supplies, and serves as the access point for seasonal installation and removal of the floating dock.

The existing ramp and floating dock are located on the furthest downstream end of the Service property in an area that has seen shoaling from the adjacent Eskimo Creek, restricting the available water depth and draft at both facilities. Relocation further upstream will allow for improved access to deeper water and mitigate the potential for further restriction due to shoaling. Relocation of all the marine structures is also consistent with the Service's long-term plans for consolidation of dock activities to a central area within the facility complex.

Legal Description

Lot 9 of United States Survey 4688, Fish and Wildlife Access Road, King Salmon, AK on the right bank of the Naknek River near Eskimo Creek.

Latitude	Longitude	USGS Quad
58.6796° N	156.6741° W	NAK C-3

Section(s)	Township	Range	Meridian
26	17S	45W	Seward

Terrain/ground cover

Submerged lands are shallow-sloping cobble and mud riverbed. River banks are vegetated with grass and low shrubs. The Open Cell Sheet Pile™ abutment would occupy approximately 392 sq. ft. of State-owned cobble and mud riverbed; floats would occupy 1648 sq. ft. of the river, seasonally; and the gangway would cover 300 sq. ft. of submerged land.

On State land, the new launch ramp surface will consist of six inches of gravel supported by 18 inches of shot rock fill. The new ramp slope and top elevation was designed to best fit the existing river bed as much as possible (to avoid sedimentation or scouring). Therefore, the entire ramp footprint must be excavated to place Shot Rock Fill, Base Course Grading A, Geotextile Fabric, Surfacing Course gravel, and riprap shoulder revetment. The gravel surface will extend into the river to elevation +7.0'. The toe of the ramp includes Class II Riprap, keyed into the existing mudline to protect and stabilize the toe of the ramp. Riprap revetment will also be placed and keyed around the side slopes and shoulders of the new launch ramp to stabilize and protect



Attachment A

Development Plan

December 22, 2022

the ramp. Excavated material will be used beneficially on-site, or disposed of at an appropriate upland site in accordance with State and Federal law.

Access

The applicant owns the adjacent uplands and will access State submerged lands directly from their property. The dock and ramp will be closed to public use but will not prevent public access to the river or submerged lands.

Buildings and other structures

The new abutment will be constructed with an OPEN CELL SHEET PILE™ structure which is a filled bulkhead utilizing flat-web sheet piles and anchor piles. This type of bulkhead is designed as a flexible steel sheet pile membrane supported by soil contact of the embedded steel pile tail walls.

A 50' aluminum gangway will connect the abutment to the floating dock. A gangway lifting frame 50' from the edge of the abutment composed of (3) 16" diameter steel pipe piles, caps, and superstructure will secure the shore-most end of the float system and be used to hoist and support the 50' aluminum gangway when not in use.

The new floating dock consists of EZ-Dock, molded polystyrene floats. This system of interconnecting modular floats is popular on the Naknek River, and is easily removed each winter. The system will be secured by six (6) 500 lb. steel lightweight type anchors and (6) anchor chains, which will be tethered to offshore mooring buoys during the winter when not in use.

The new launch ramp will be a 20'-wide, gravel-surfaced ramp designed to best fit the existing contours of the riverbed.

Construction would occur between July 15 and October 31.

Hazardous substances

Aircraft tied to the dock will be fueled from an on-shore tank. Boat fuel will be loaded onto boats in portable fuel tanks. The maximum fuel load for aircraft will be 100 gallons, and the maximum fuel load for boats will be 20 gallons.

The use of portable boat fuel tanks will be limited to those in good condition. The aircraft fueling apparatus will be inspected regularly and conform to an approved SPCC. The fuel storage tank will be installed on the new abutment, landward of Mean High Water, and be protected by bollards.

Parking areas and storage areas

Boats and aircraft moored at the dock will be inspected regularly for leaks.

Number of people using the site

There would be 5 staff members using the site throughout the operating season. Visitors to the site would be between 10 and 20 per season.

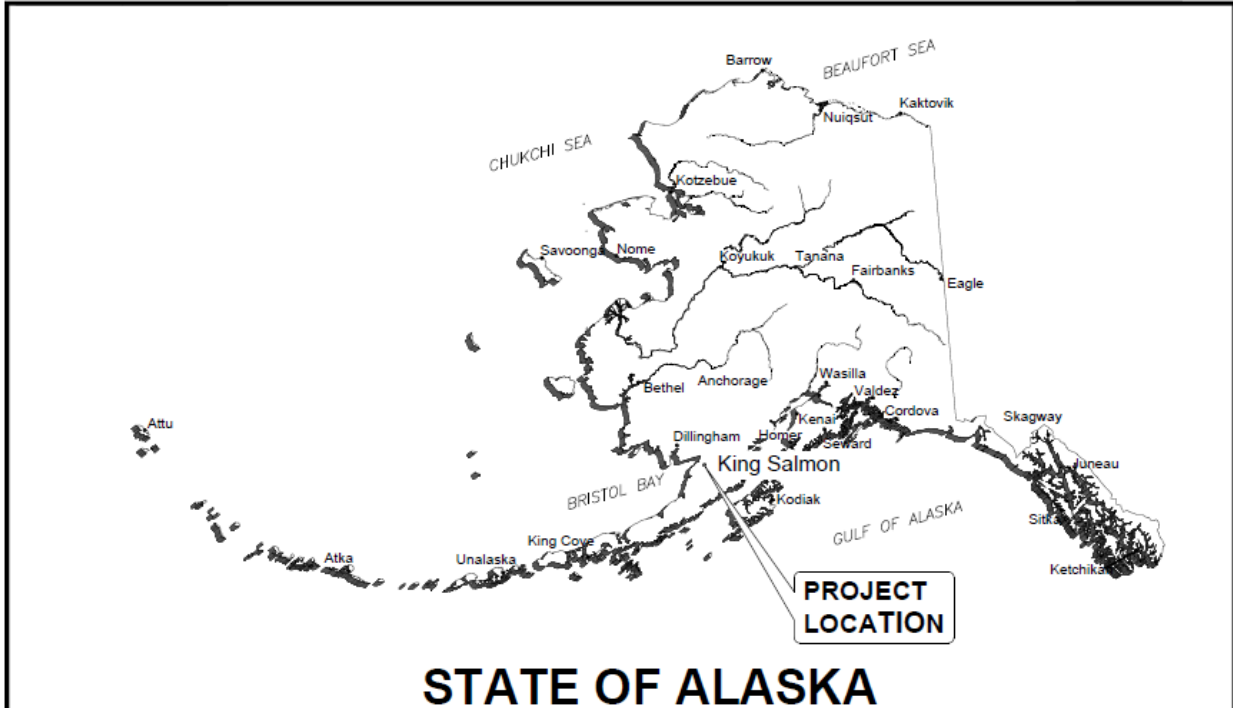
Attachment A Development Plan

December 22, 2022

Maintenance and operations

Maintenance of the dock would include seasonal removal and installation of the floats. Anchor chains would be tethered to offshore mooring buoys in the winter and reinstalled in the spring. Refuge staff would visually monitor the condition of all facilities, with special emphasis during installation and removal of the floats.

Attachment B Location Map/Graphics



TIDAL LEVELS	
HIGH TIDE LINE (HTL)	+16.4 FT
MEAN HIGHER WATER (MHW)	+14.0 FT
MEAN LOWER LOW WATER (MLLW)	-4.5 FT

PROPOSED:
REMOVE EXISTING DOCK AND
RELOCATE UPSTREAM. PROVIDE
NEW FLOAT SYSTEM, BULKHEAD,
GANGWAY, AND LAUNCH RAMP.

DATUM: NAVD88, MLLW -4.5'
SEC. 26 T.17S R.45W SEW.
LAT: 58.680061' N
LONG: 156.673703' W

VICINITY MAP

ALASKA PENINSULA BECHAROF
REFUGE HEADQUARTERS
PO BOX 277
4 BEAR ROAD
KING SALMON, AK, 99613

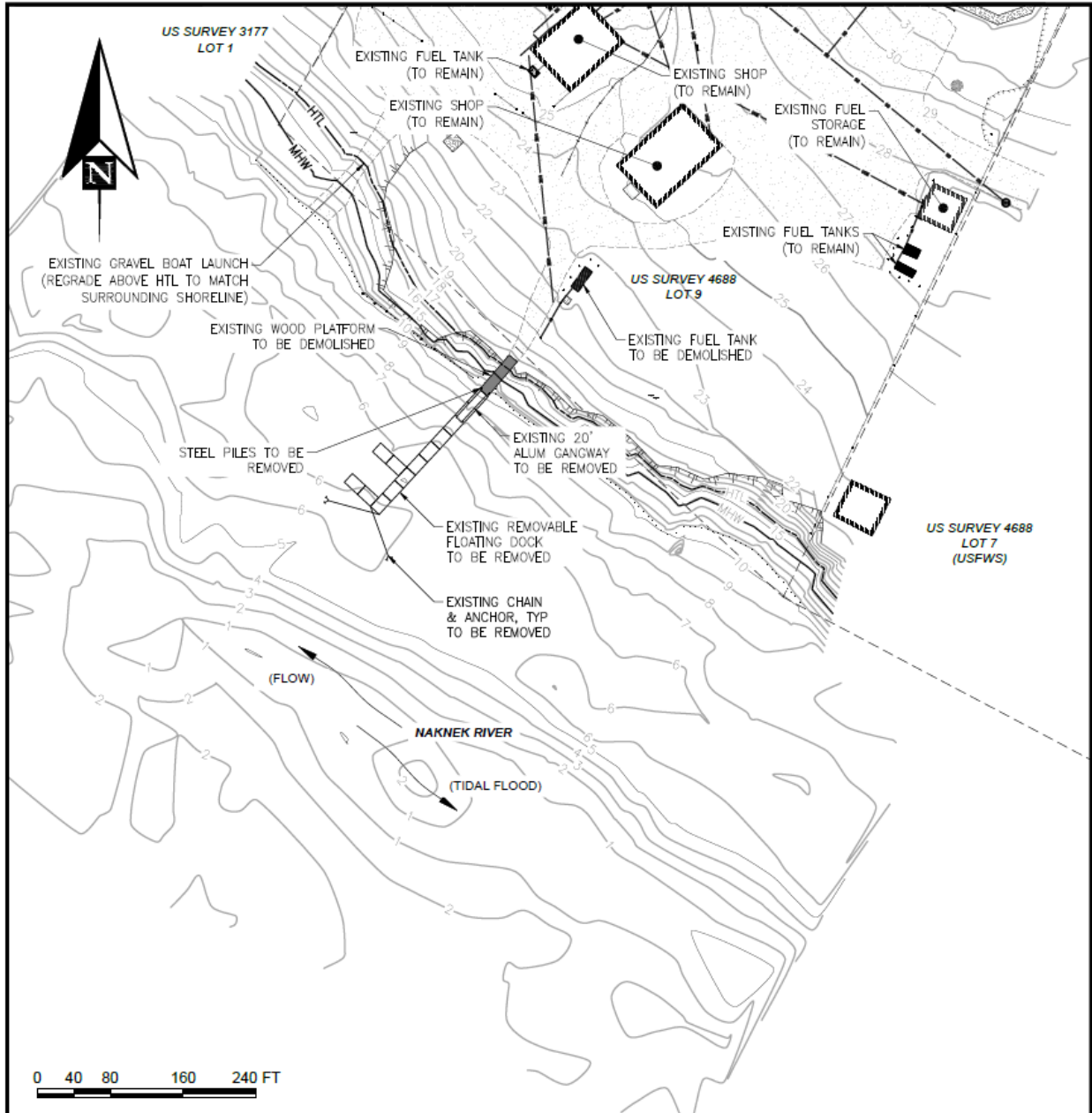
ALASKA PENINSULA / BECHAROF NWR DOCK REPLACEMENT

AT: KING SALMON, AK
IN: NAKNEK RIVER
BY: BRISTOL BAY

11/17/2022 SHEET **1** of **7**

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Attachment B Location Map/Graphics



PROPOSED:
REMOVE EXISTING DOCK AND
RELOCATE UPSTREAM. PROVIDE
NEW FLOAT SYSTEM, BULKHEAD,
GANGWAY, AND LAUNCH RAMP.

DATUM: NAVD88, MLLW -4.5'
SEC. 26 T.17S R.45W SEW.
LAT: 58.680061° N
LONG: 156.673703° W

EXISTING SITE PLAN

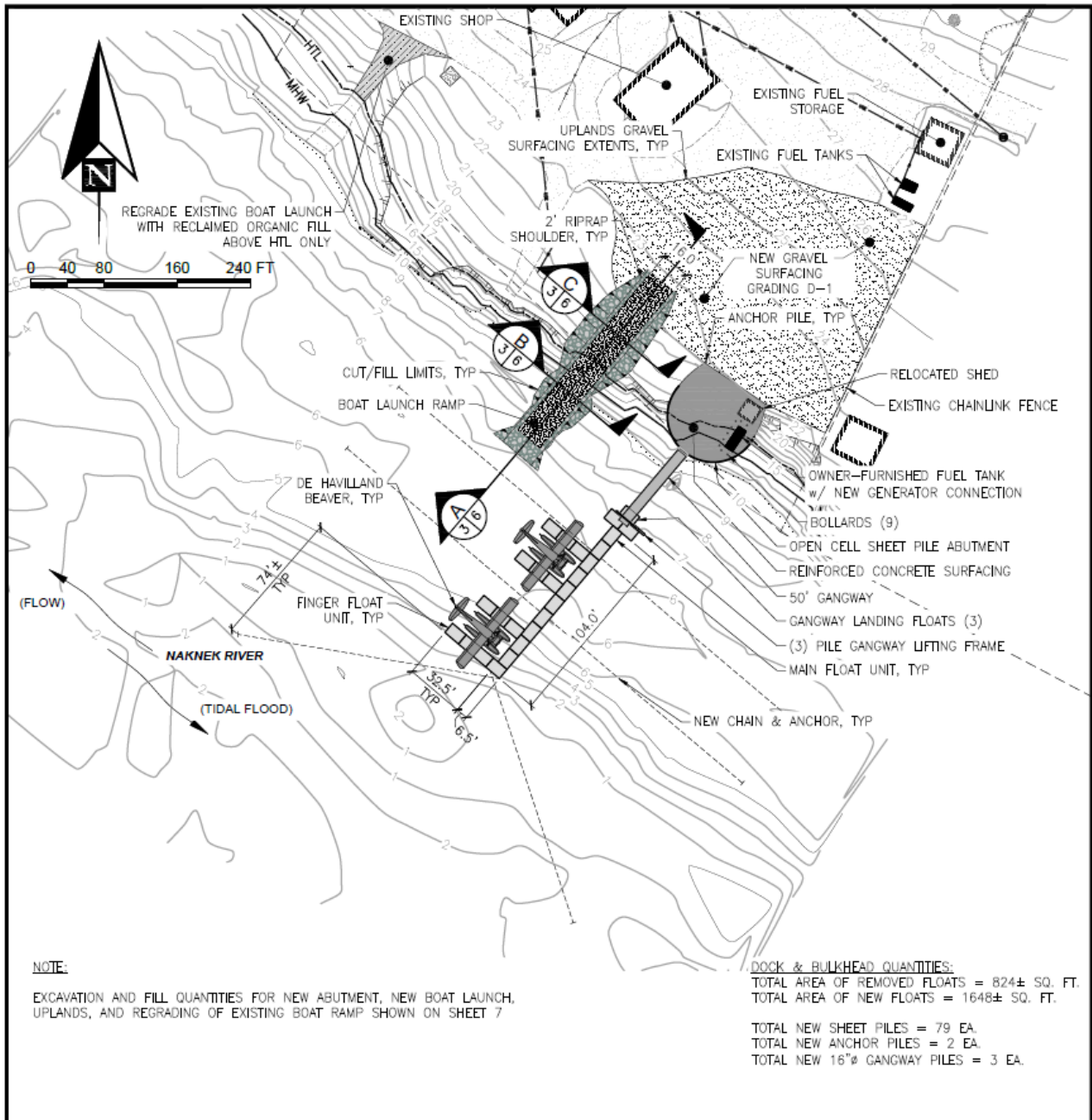
ALASKA PENINSULA BECHAROF
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ALASKA PENINSULA / BECHAROF NWR DOCK REPLACEMENT

AT: KING SALMON, AK
IN: NAKNEK RIVER
BY: BRISTOL BAY

11/17/2022 SHEET **2** of **7**

Attachment B Location Map/Graphics



NOTE:

EXCAVATION AND FILL QUANTITIES FOR NEW ABUTMENT, NEW BOAT LAUNCH, UPLANDS, AND REGRADING OF EXISTING BOAT RAMP SHOWN ON SHEET 7

DOCK & BULKHEAD QUANTITIES:

TOTAL AREA OF REMOVED FLOATS = 824± SQ. FT.
 TOTAL AREA OF NEW FLOATS = 1648± SQ. FT.
 TOTAL NEW SHEET PILES = 79 EA.
 TOTAL NEW ANCHOR PILES = 2 EA.
 TOTAL NEW 16"Ø GANGWAY PILES = 3 EA.

PROPOSED:
 REMOVE EXISTING DOCK AND RELOCATE UPSTREAM. PROVIDE NEW FLOAT SYSTEM, BULKHEAD, GANGWAY, AND LAUNCH RAMP.

DATUM: NAVD88, MLLW -4.5'
 SEC. 26 T.17S R.45W SEW.
 LAT: 58.680061° N
 LONG: 156.673703° W

NEW SITE PLAN

ALASKA PENINSULA BECHAROF
 REFUGE HEADQUARTERS
 PO BOX 277
 4 BEAR ROAD
 KING SALMON, AK, 99613

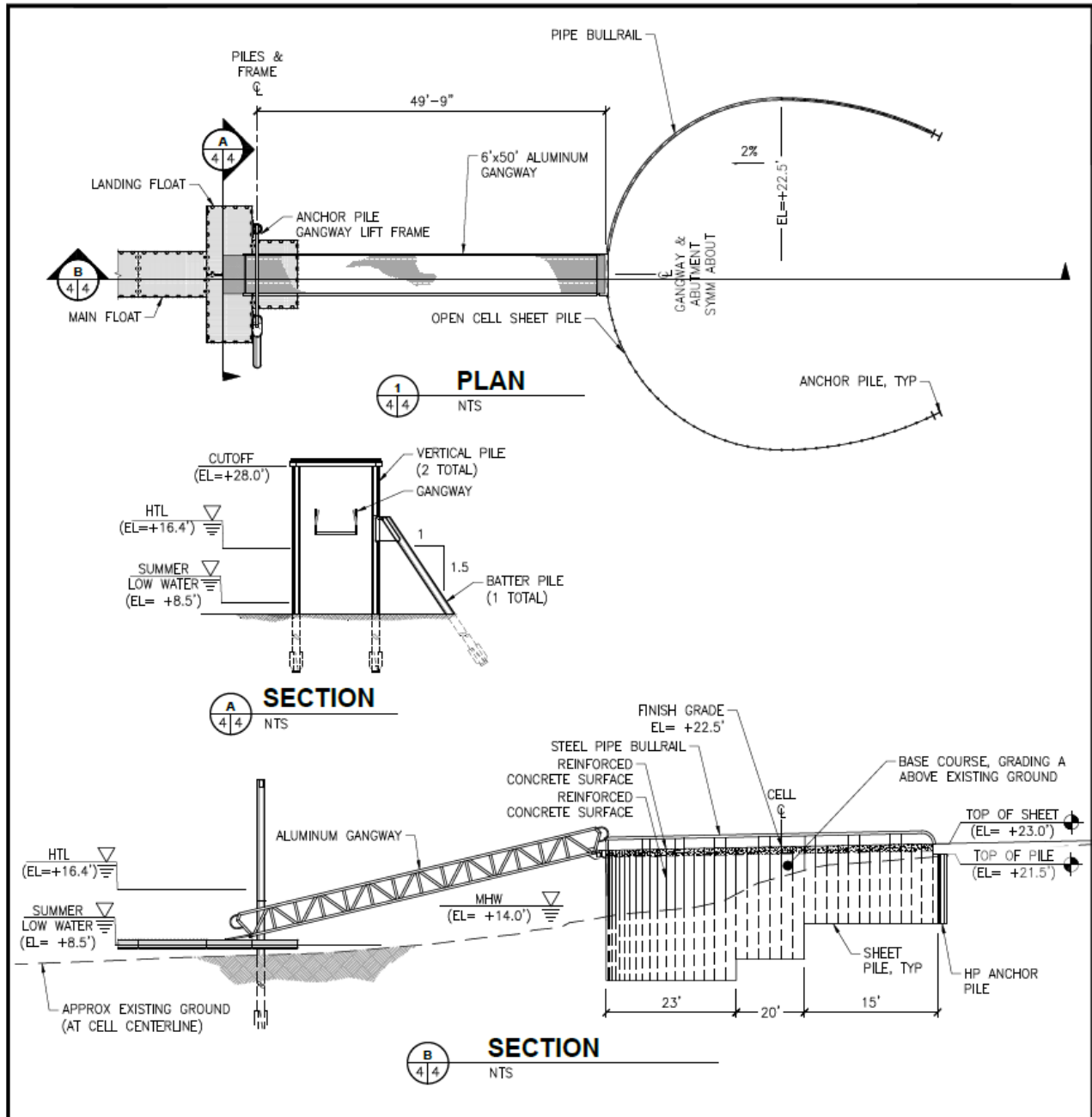
**ALASKA PENINSULA /
 BECHAROF NWR DOCK
 REPLACEMENT**

AT: KING SALMON, AK
 IN: NAKNEK RIVER
 BY: BRISTOL BAY

11/17/2022 SHEET **3** of **7**

PND CAD File: J:\2020\201150 - King Salmon Floating Dock\Drawings\Permitting\03 New Site Plan.dwg, Nov 17 2022, REV0

Attachment B Location Map/Graphics



PROPOSED:
REMOVE EXISTING DOCK AND
RELOCATE UPSTREAM. PROVIDE
NEW FLOAT SYSTEM, BULKHEAD,
GANGWAY, AND LAUNCH RAMP.

DATUM: NAVD88, MLLW -4.5'

SEC. 26 T.17S R.45W SEW.
LAT: 58.680061° N
LONG: 156.673703° W

**BULKHEAD &
GANGWAY PLAN
& ELEVATION**

ALASKA PENINSULA BECHAROF
REFUGE HEADQUARTERS
PO BOX 277
4 BEAR ROAD
KING SALMON, AK, 99613

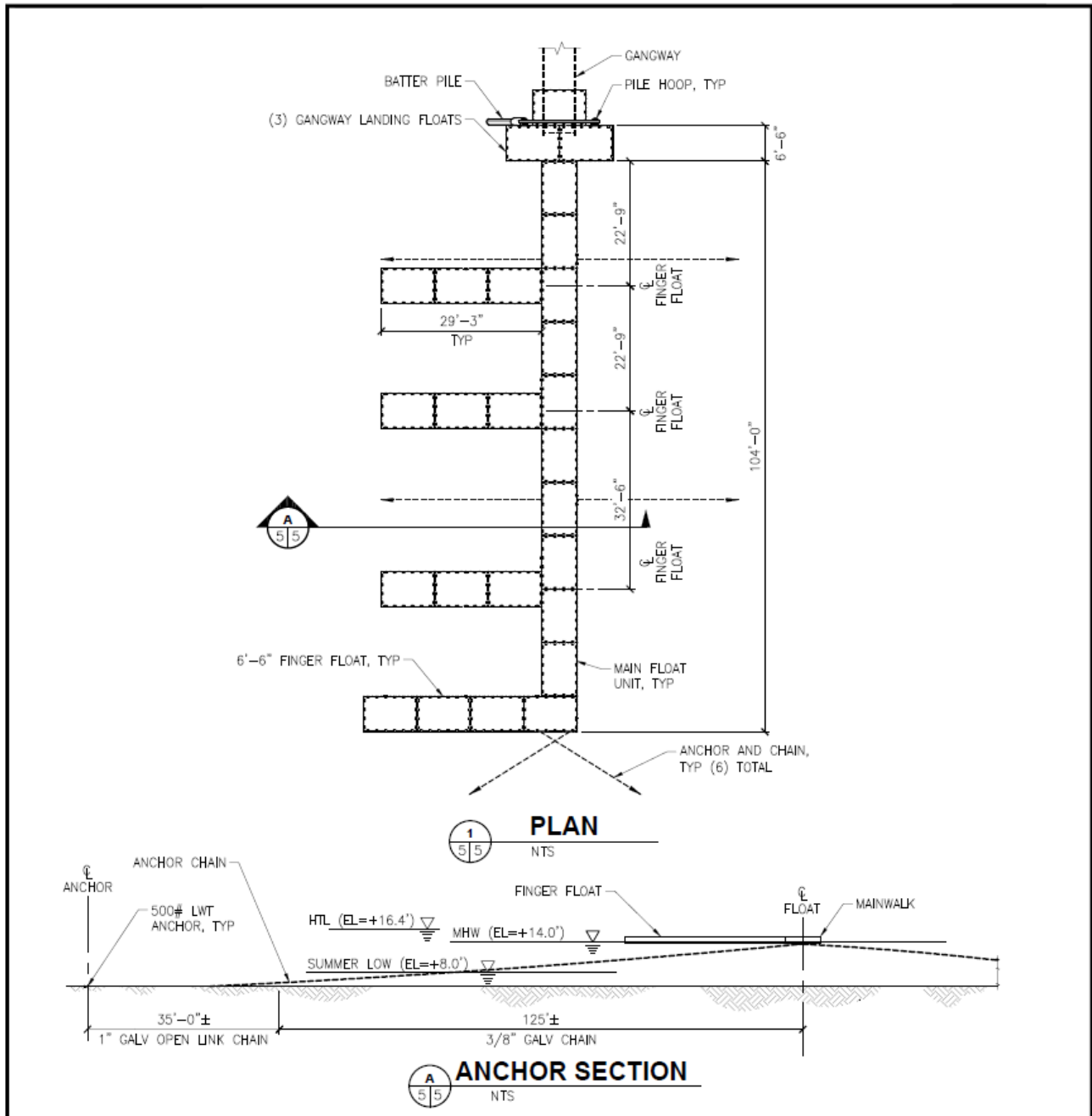
**ALASKA PENINSULA /
BECHAROF NWR DOCK
REPLACEMENT**

AT: KING SALMON, AK
IN: NAKNEK RIVER
BY: BRISTOL BAY

11/17/2022 SHEET **4** of **7**

PND CAD File: J:\2020\201150 - King Salmon Floating Dock\Drawings\Permitting\04 Bulkhead & Gangway Plan & Elevation.dwg, Nov 17 2022, REV0

Attachment B Location Map/Graphics



PROPOSED:
REMOVE EXISTING DOCK AND
RELOCATE UPSTREAM. PROVIDE
NEW FLOAT SYSTEM, BULKHEAD,
GANGWAY, AND LAUNCH RAMP.

DATUM: NAVD88, MLLW -4.5'
SEC. 26 T.17S R.45W SEW.
LAT: 58.680061° N
LONG: 156.673703° W

NEW FLOAT LAYOUT

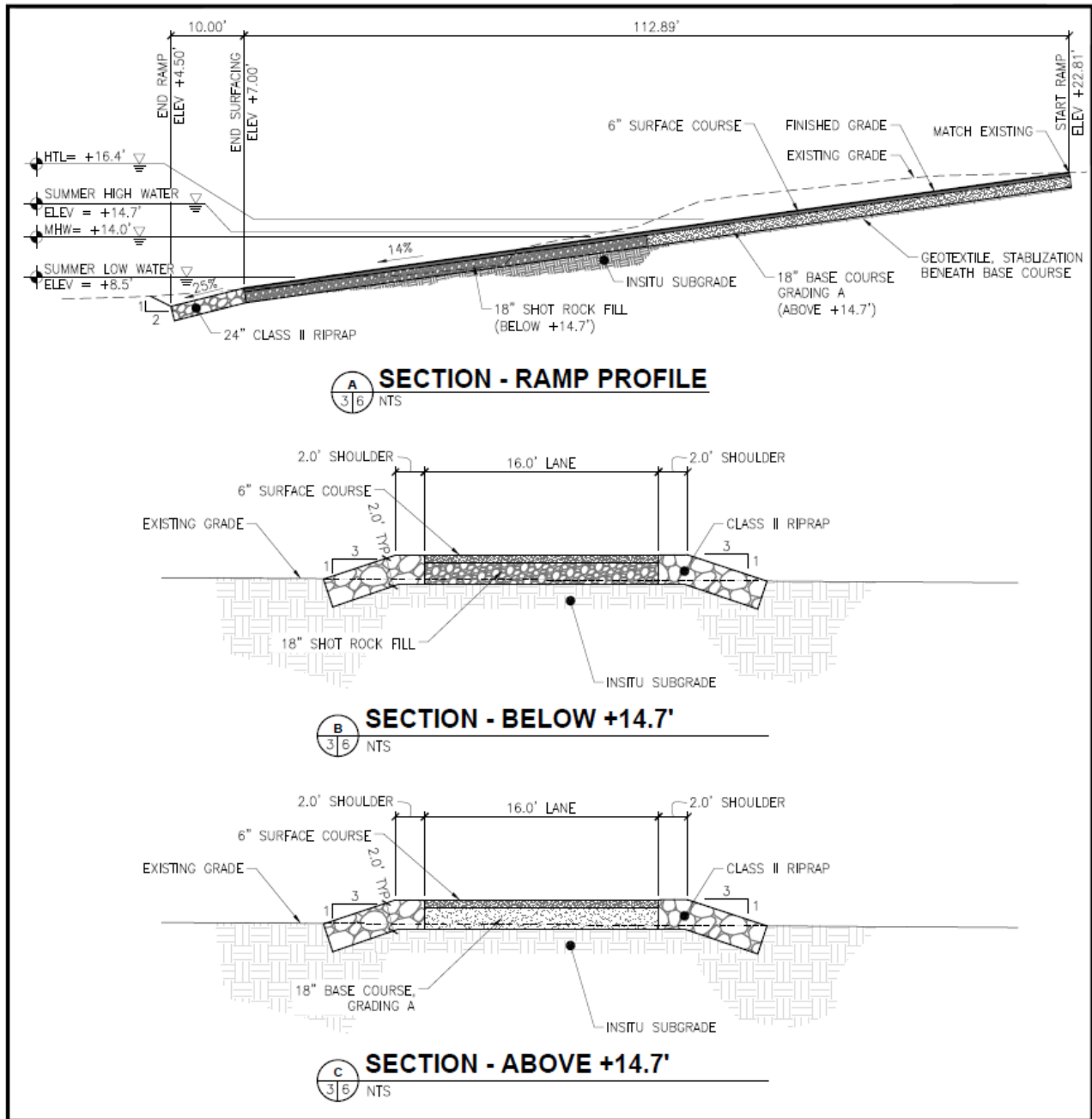
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ALASKA PENINSULA / BECHAROF NWR DOCK REPLACEMENT

AT: KING SALMON, AK
IN: NAKNEK RIVER
BY: BRISTOL BAY

11/17/2022 SHEET **5** of **7**

Attachment B Location Map/Graphics



PROPOSED:
 REMOVE EXISTING DOCK AND
 RELOCATE UPSTREAM. PROVIDE
 NEW FLOAT SYSTEM, BULKHEAD,
 GANGWAY, AND LAUNCH RAMP.

DATUM: NAVD88, MLLW -4.5'
 SEC. 26 T.17S R.45W SEW.
 LAT: 58.680061° N
 LONG: 156.673703° W

LAUNCH RAMP PROFILE & SECTION

ALASKA PENINSULA BECHAROF
 REFUGE HEADQUARTERS
 PO BOX 277
 4 BEAR ROAD
 KING SALMON, AK, 99613

ALASKA PENINSULA / BECHAROF NWR DOCK REPLACEMENT

AT: KING SALMON, AK
 IN: NAKNEK RIVER
 BY: BRISTOL BAY

11/17/2022 SHEET **6** of **7**

PND CAD File: J:\2020\201150 - King Salmon Floating Dock\Drawings\Permitting\06 Launch Ramp Profile and Section.dwg, Nov 17 2022, REV0

Attachment B Location Map/Graphics

EXCAVATION & FILL QUANTITIES										
	SHOT ROCK FILL (CY)	SURFACE COURSE (CY)	RIPRAP (CY)	BASE COURSE, C-1 (CY)	ABUTMENT CONC (CY)	SUBBASE FILL (CY)	BASE COURSE, GRADING A (CY)	EXCAVATION (CY)	RECLAIMED ORGANICS (CY)	FOOTPRINT (ACRE)
ABUTMENT										
SUBTOTAL	–	–	–	43	41	356	–	–	–	0.058
BELOW HTL	–	–	–	0	0	73	–	–	–	0.018
BELOW MHW	–	–	–	0	0	15	–	–	–	0.009
BELOW MLLW	–	–	–	0	0	0	–	–	–	0
NEW BOAT LAUNCH										
SUBTOTAL	60	37	160	–	–	–	57	464	–	0.095
BELOW HTL	60	24	83	–	–	–	18	204	–	0.053
BELOW MHW	55	18	62	–	–	–	4	114	–	0.040
BELOW MLLW	0	0	0	–	–	–	0	0	–	0
UPLANDS										
SUBTOTAL	–	315	–	–	–	–	987	1216	–	0.414
BELOW HTL	–	0	–	–	–	–	0	0	–	0
BELOW MHW	–	0	–	–	–	–	0	0	–	0
BELOW MLLW	–	0	–	–	–	–	0	0	–	0
EXISTING BOAT LAUNCH										
SUBTOTAL	–	–	–	–	–	–	–	–	25	0.018
BELOW HTL	–	–	–	–	–	–	–	–	0	–
BELOW MHW	–	–	–	–	–	–	–	–	0	–
BELOW MLLW	–	–	–	–	–	–	–	–	0	–
PROJECT TOTAL										
TOTAL	60	352	160	43	41	356	1044	1680	25	.585
BELOW HTL	60	24	83	0	0	73	18	204	0	.071
BELOW MHW	55	18	62	0	0	15	4	114	0	.049
BELOW MLLW	0	0	0	0	0	0	0	0	0	0
PROPOSED: REMOVE EXISTING DOCK AND RELOCATE UPSTREAM. PROVIDE NEW FLOAT SYSTEM, BULKHEAD, GANGWAY, AND LAUNCH RAMP. DATUM: NAVD88, MLLW –4.5' SEC. 26 T.17S R.45W SEW. LAT: 58.680061° N LONG: 156.673703° W			EXCAVATION & FILL QUANTITIES ALASKA PENINSULA BECHAROF REFUGE HEADQUARTERS PO BOX 277 4 BEAR ROAD KING SALMON, AK, 99613				ALASKA PENINSULA / BECHAROF NWR DOCK REPLACEMENT AT: KING SALMON, AK IN: NAKNEK RIVER BY: BRISTOL BAY 11/17/2022 SHEET 7 of 7			

PND CAD File: J:\2020\201150 - King Salmon Floating Dock\Drawings\Permitting\07 Excavation & Fill Quantities.dwg, Nov 17 2022, REV0