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Reason: Submission Data
Location: State of Alaska

CWA 401 Water Quality Certification Request

version 2.17

(Submission #: HQS-BVN9-KCJ1V, version 1)

Details

Site: Bar Point Harbor Rubblemound Breakwater Repair

Submission ID HQS-BVN9-KCJ1V

Form Input

Form Instructions

Form Instructions

Instructions for filling out the 401 Prefiling Meeting Request Form are located on the Alaska DEC website at the link below.
401 Prefiling Meeting Request Form Instructions

Agents: For Delegation of Authority to act on behalf of the applicant in processing the application, use the following form, have signed, and upload with application.

- Delegation of Authority - 401 Application

Contact Information (1 of 2)

Required Contacts

The following **Contact Roles are *REQUIRED***. Please select the appropriate role(s) for each contact and complete the contact details. Multiple role(s) may be assigned to each unique individual.

- **Applicant** (Responsible Party)
- **Billing Contact**

Contact Role(s)
Agent

Contact

Prefix
NONE PROVIDED

First Name	Last Name
Matthew	Ferguson

Title
Biologist

Organization Name
US Army Corps of Engineers, Alaska District

Phone Type	Number	Extension
Business	9077532711	

Email
matthew.w.ferguson@usace.army.mil

Mailing Address

PO Box 6898

JBER, AK 99506

[NO COUNTRY SPECIFIED]

Contact Information (2 of 2)

Required Contacts

The following **Contact Roles are *REQUIRED***. Please select the appropriate role(s) for each contact and complete the contact details. Multiple role(s) may be assigned to each unique individual.

- **Applicant** (Responsible Party)
- **Billing Contact**

Contact Role(s)
Applicant
Billing Contact

Contact

Prefix
NONE PROVIDED

First Name	Last Name
Merlin	Peterson

Title
Project Manager

Organization Name
US Army Corps of Engineers, Alaska District

Phone Type	Number	Extension
Business	907 753-2671	

Email
merlin.d.peterson@usace.army.mil

Mailing Address

PO Box 6898

JBER, AK 99506

United States

Project / Facility Site Info

Identify the applicable federal license or permit

A copy of the federal permit or license application is required to be submitted with the request for the water quality certification. (18 AAC 15.130, 18 AAC 15.180)

Federal Agency
Army Corps of Engineers (USACE)

Permit License Number (ex. USACE: POA-XXXX-XXXX; FERC: FERC-xxxx-xxxx; EPA: AK#######)
ER-26-03

Project Name or Title
Bar Point Harbor Rubblemound Breakwater Repair

Primary Receiving Waterbody Name
Tongass Narrows

Estimated Project Dates (+/- 30 days)

Project Estimated Start Date	Project Estimated End/Completion Date
10/01/2027	04/01/2032

Approximate date(s) when any Discharge(s) may commence (+/- 30 days)

Description	Discharge Estimated Start Date	Discharge Estimated End Date
NONE PROVIDED	*NONE PROVIDED*	*NONE PROVIDED*

Project Description (Nature of Activity, include all features)
The U.S. Army Corps of Engineers (Corps) proposes to conduct maintenance and repairs on the two rubblemound breakwaters protecting Bar Point Harbor in Ketchikan, Alaska. Approximately 42,000 cubic yards of deteriorated breakwater rock would be removed and repurposed to construct a toe berm seaward of the detached breakwater, and approximately 44,000 cubic yards of the new armor stone and B rock would be placed on the breakwater.

Project Purpose (Describe the reason(s) for discharge)
The purpose of this project is to repair the two rock breakwaters at Bar Point Harbor in Ketchikan, Alaska

Is any portion of the work already complete?
No

Description of current activity site conditions
The Bar Point Harbor is protected by two rubblemound breakwaters: a southeast breakwater with length of 700 feet and a west breakwater with length of 1,100 feet. Numerous inspections have been performed and have found that the rock on both breakwaters is deteriorating, additionally there were some occasions where the harbormaster noted waves overtopping the breakwater.

Relevant Site Data, Photographs that Represent Current Site Conditions, or other Relevant Documentation
IMG_0857 - frame at 0m13s.jpg - 10/16/2026 03:29 PM
Comment
NONE PROVIDED

Is this a linear project? (i.e., utility line, road, etc.)
No

Project Address
[NO STREET ADDRESS SPECIFIED]
[NO CITY SPECIFIED], AK *[NO ZIP CODE SPECIFIED]*

Visit the link below to help with conversion between DMS and Latitude/Longitude
DSM - Lat/Long converter

Project Location
55.35168265049539,-131.6859175269269

Visit the following link if you need to convert the lat/long to get the **PLSS information**
Converter for Section, Township, and Range

PLSS Location (Public Land Survey System)

State Tax Parcel ID	Borough/Municipality	Meridian	Section	Township	Range
NONE PROVIDED	Ketchikan Gateway Borough	Copper River	23	75s	90e

Directions to Site

NONE PROVIDED

Federal Agency Contact (1 of 1)

Have you been working with anyone in the Federal Agency?
No

Dredge Material to be Discharged

Is dredging involved?
No

Tier Analysis

A tier analysis is comprised of a layered approach to determine the need for testing the dredge material to aid in generating physical, chemical, toxicity and bioaccumulation information, but not more information than is necessary to make factual determinations.

The tier analysis is a series of tiers (I – IV) or levels of intensity (and cost) of investigation. It is necessary to proceed through the tiers only until information is sufficient to make factual determinations, no further testing is required.

- **Tier I - Site Evaluation and History**. The initial tier (Tier I) uses readily available, existing information (including all previous testing). For certain dredge materials with readily apparent potential for environmental impact (or lack thereof), information collected in Tier I may be sufficient for making factual determinations.
- **Tier II - Chemical Testing** is concerned solely with sediment and water chemistry.
- **Tier III - Biological Testing (bioassay and/or bioaccumulation testing)** is concerned with well-defined, nationally accepte toxicity and bioaccumulation testing procedures.
- **Tier IV - Special Studies** allows for case-specific laboratory and field testing, and is intended to for use in unusual circumstances.

For more information regarding a Tier analysis, see below references

- EPA Inland Testing Manual
- USACE Seattle District Civil Works DMMP User Manual

Fill Material to be Discharged

Will Fill Material be Discharged?
Yes

For fill material, identify the material source
Deteriorated rock from the existing breakwater and new rock from a quarry

Types of material being discharged and the amount of each type (cubic yards)

Type	Cubic Yards
Rock	86,000

Surface area in (acres or linear feet) of wetlands or other waters filled

Surface Area	Units
1	Acres

Discharge Location Information (1 of 1)

Identify the location and nature of any potential discharge that may result from the proposed project and the location of receiving waters

Discharge Location ID (001, 002, 003, - increment by one)
001

NOTE: if you have a receiving water that is Wetlands, just enter the generic term "Wetlands". Do not enter "Wetlands of Tanana River", for example.

Please select 'Other' if your waterbody is not in the list below.
You can start typing the name of the waterbody to filter the list.

Receiving Waterbody / Wetlands Name
Tongass Narrows

Discharge Location
55.348316,-131.682643

Other Pollutant Sources

Contaminated Site Information

Determine if your project is **within 1,500 feet** of a known Alaska DEC Contaminated Site. See the *Alaska DEC Contaminated Web Map* below. This will help you to identify if any potential pollutants/parameters of concern may be present on your project site., see DEC's website:

- **Contaminated Sites Web Map**
- **Contaminated Sites Database Search website**

Is the project within 1,500 feet of a known contaminated site?
No

Parameters of Concern that may be present in discharge

Parameter(s) of Concern

Identify the parameters of concern that may be present in your discharge from the dredge and/or fill material.

Note, **TURBIDITY** and **SEDIMENT** are routine parameters associated with dredge and/or fill activities.

Consider if other parameters may be present from past activities in the area such as contamianted site data, impaired waters or other relevant water quality data, or other parameters of concern identified during the application process.

Parameter(s)
Turbidity
Sediment

If known, describe respective concentrations, persistence, and potential impacts to the receiving water and data on parameters that may alter the effects of the discharge to the receiving water
Material would be free of contamination and mechanically sorted to remove fines

Impaired Waters

An ***impaired waterbody*** are those listed as a **Category 4 [304(b)] or Category 5 [303(d)]** in the current EPA approved *Alaska's Integrated Water Quality Monitoring and Assessment Report.*

For the most recently *Approved Integrated Water Quality Monitoring And Assessment Report (Integrated Report)*, see DEC's website:

- **Integrated Water Quality Monitoring And Assessment Report** https://dec.alaska.gov/water/water-quality/integrated-report

Does a discharge of any parameter identified above occur to an impaired waterbody?
No

If determined necessary and requested by the Department, submit sufficient and credible baseline water quality information for the receiving water which meets the requirements of 18 AAC 70.016(a)(6)(A-C).

Avoidance & Minimization BMPs and Mitigation Measures

Describe how impacts are being avoided and minimized on the project site. Include best management practices (BMPs) for sediment and erosion controls that will be implemented to minimize environmental impacts, and any methods and means proposed to monitor the discharge and the equipment or measures planned to treat, control, or manage the discharge.

Include a description of any methods and means proposed to monitor the discharge and the equipment or measures planned to treat, control, or manage the discharge
New quarry and armor rock would be mechanically sorted to remove fine-grained material to the extent practicable prior to placement.

Trash, debris, and other undesirable materials must be removed from the breakwaters and disposed properly prior to the removal of deteriorated rock.

Avoidance Measures
Reasonable precautions and controls must be used to prevent incidental and accidental discharge of petroleum products or other hazardous substances.

Fuel storage and handling activities for equipment must be sited and conducted so there is no petroleum contamination of the ground, subsurface, or surface waterbodies.

Project vessels must not operate in water so shallow that propeller wash is allowed to suspend sediments in soft bottom areas, potentially requiring tidal restrictions to access certain areas.

Minimization Measures
During construction, spill response equipment and supplies such as sorbent pads shall be available and used immediately to contain and cleanup oil, fuel, hydraulic fluid, antifreeze, or other pollutant spills.

Construction equipment may not run aground or allowed to go dry in soft bottom areas.

Mitigation Measures
Silt curtains must be erected around the work area to prevent suspended sediment from migrating to surrounding areas.

Project vessels must not operate in water so shallow that propeller wash is allowed to suspend sediments in soft bottom areas, potentially requiring tidal restrictions to access certain areas.

Social / Economic Importance

Social or Economic Importance

(18 AAC 70.016(c)(5): Provide information that demonstrates the accommodation of important social or economic development. The applicant shall complete either a social OR economic importance analysis (or both) for each affected community in the area where the receiving water for the proposed discharge is located.

Social Importance Analysis
NONE PROVIDED

Economic Importance Analysis
NONE PROVIDED

Describe Social and/or Economic Importance of the project
Under the No Action Alternative, the breakwaters would continue to deteriorate. This would lead to an increasing risk of overtopping and potential catastrophic failure. The socioeconomic consequences would be significantly adverse. Damage to the 520 vessels moored in the harbor from storm and wave action would result in direct financial losses for vessel owners and disrupt the commercial fishing activities that are a vital part of the Ketchikan economy. The unreliability of the harbor would threaten its function as a safe base of operations, potentially causing long-term economic harm to the community.

Description of Social or Economic Importance, if needed
NONE PROVIDED
Comment
NONE PROVIDED

List of Other Permits or Certificates

*Would include but is not restricted to zoning, building, and flood plain permits.

Include a list of all other federal, interstate, tribal, state, territorial, or local agency authorizations required for the proposed project, including all approvals or denials already received.

Agency	Type of Approval*	Identification Number	Date Applied	Date Approved	Date Denied
NONE PROVIDED	*NONE PROVIDED*	*NONE PROVIDED*	*NONE PROVIDED*	*NONE PROVIDED*	*NONE PROVIDED*

Other Agency or Local Contacts (1 of 1)

Contact Role
OTHER_REG_CNTCT

Other Agency and or Local Contacts

First Name	Last Name
Merlin	Peterson

Title
Project Manager

Organization Name
US Army Corps of Engineers, Alaska District

Phone Type	Number	Extension
Business	907 753-2671	

Email
merlin.d.peterson@usace.army.mil

Attachments

Copy of Federal Application (USACE, EPA, or FERC, etc.)

Appendix A. Bar Point Harbor 404(b)(1)CheckList_10162026.pdf - 10/16/2026 03:49 PM

Comment
NONE PROVIDED

Figures and/or Drawings/Plan Sets. To include a map or diagram of the proposed activity site, including the proposed activity boundaries in relation to local streets, roads, and highways.

Bar Point Harbor 404(b)(1)CheckList.docx - 10/16/2026 03:29 PM
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KET006_60%DQC_DRAWINGS 4.pdf - 10/16/2026 03:51 PM

Comment
NONE PROVIDED

Document Attachments

NONE PROVIDED

Comment
NONE PROVIDED

Delegation of Authority for Submission of Application

NONE PROVIDED

Comment
NONE PROVIDED

As per 18 AAC 15.030 signing of applications, all permit or approval applications must be signed as follows:
1) in the case of corporations, by a principal executive officer of at least the level of vice president or his duly authorized representative, if the representative is responsible for the overall management of the project or operation;
2) in the case of a partnership, by a general partner;
3) in the case of a sole proprietorship, by the proprietor; and
4) in the case of a municipal, state, federal or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.
The project proponent hereby certifies that all information contained herein is true, accurate, and complete to the best of my knowledge and belief. The project proponent hereby requests that the certifying authority review and take action on this CWA 401 certification request within the applicable reasonable period of time.

Agreements and Signature(s)

Certification Statement

As per 18 AAC 15.030 signing of applications, all permit or approval applications must be signed as follows:
1) in the case of corporations, by a principal executive officer of at least the level of vice president or his duly authorized representative, if the representative is responsible for the overall management of the project or operation;
2) in the case of a partnership, by a general partner;
3) in the case of a sole proprietorship, by the proprietor; and
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The project proponent hereby certifies that all information contained herein is true, accurate, and complete to the best of my knowledge and belief. The project proponent hereby requests that the certifying authority review and take action on this CWA 401 certification request within the applicable reasonable period of time.

Signed By Matthew Ferguson on 10/16/2026 at 3:51 PM
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