



US Army Corps  
of Engineers  
Seattle District



WASHINGTON STATE  
DEPARTMENT OF  
E C O L O G Y

# Joint Public Notice

## Application for a Department of the Army Permit and a Washington Department of Ecology Water Quality Certification and/or Coastal Zone Management Consistency Concurrence

### US Army Corps of Engineers

Regulatory Branch  
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Section Chief

### WA Department of Ecology

SEA Program  
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Federal Permit Coordinator

**Public Notice Date:** April 12, 2013

**Expiration Date:** May 12, 2013

**Reference No.:** NWS-2013-242

**Name:** U.S. Navy (Kitsap)  
(EMMR System)

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Interested parties are hereby notified that the U.S. Army Corps of Engineers (Corps) and the Washington Department of Ecology (Ecology) have received an application to perform work in waters of the United States as described below and shown on the enclosed drawings dated February 27, 2013.

The Corps will review the work in accordance with Section 404 of the Clean Water Act (CWA) and Section 10 of the Rivers and Harbors Act. Ecology will review the work pursuant to Section 401 of the CWA, with applicable provisions of State water pollution control laws and the Coastal Zone Management Act.

### APPLICANT:

U.S. Navy, Naval Base Kitsap  
120 South Dewey Street  
Building 443  
Bremerton, Washington 98314  
Attention: Captain Peter M. Dawson  
Telephone: (360) 627-4000

### AGENT:

U.S. Navy, Naval Facilities Engineering Command Northwest  
1101 Tautog Circle  
Silverdale, Washington 98315  
Attention: Mr. Wes Miksa  
Telephone: (360) 396-0093

**LOCATION:** In Hood Canal at Naval Base Kitsap (NBK)-Bangor.

**WORK:** The applicant proposes to construct and operate an electromagnetic measurement ranging (EMMR) system at NBK-Bangor. The project involves dredging, installation of cables and a sensor array, construction of an offshore platform, and installation of an onshore aid to navigation. Installation of the sensor array system includes the following: dredge up to 17,500 cubic yards of seafloor sediments, install a 400-foot long sensor array, and place up to 19,250 cubic yards of gravel and sediments. Install 925 feet of cable from the sensor array to an offshore

## **NWS-2013-242, U.S. Navy (Bangor)**

platform. The 925 linear feet of cable would be installed on the seafloor using a jet plow and armored with 12-foot long arched concrete segments. Construction of the offshore platform includes the following: dredge up to 250 cubic yards of seafloor sediment, place up to 275 cubic yards of gravel and sediments, drive five 24-square inch prestressed concrete piles, and construct a 15- by 15-foot platform. Using a jet plow, install 6,970 linear feet of cable from the offshore platform to the Horizontal Directional Drilling (HDD) exit hole. At the exit hole, dredge up to 220 cubic and place up to 242 cubic yards of gravel and sediments. Using HDD to avoid impacts to nearshore habitat, install 1,148 linear feet of cable from the HDD exit hole to a location near the existing onshore Building 7801. The top three feet of all backfilled areas would be composed of sediments with grain size matching existing seafloor conditions. Excavated sediments would be disposed at a DMMP nondispersive open-water disposal site or an upland location (see paragraphs below).

**PURPOSE:** Provide an EMMR system.

### **DREDGED MATERIAL MANAGEMENT PROGRAM (DMMP):**

**Dredged Material Testing:** The applicant has chosen not to complete the testing before this Public Notice was published. Prior to completing our review, the proposed dredged material must be tested according to the procedures specified by the Dredged Material Management Program (DMMP). The DMMP evaluation may include both chemical and biological testing of sediments. For this project, the DMMP agencies will determine whether the dredged material is suitable for disposal at a DMMP nondispersive open-water disposal site or must be disposed of at an upland location. The sediment testing data will be available at the Corps, Seattle District, Dredged Material Management Office.

**Disposal Site Use Conditions:** The following standard site-use conditions will be specified by the Corps and the Washington Department of Natural Resources as part of the Federal/State permitting processes: (1) disposal operations must not interfere with Indian treaty fishing at the disposal site, including gill nets and other fishing gear; (2) the permittee must coordinate any nighttime disposal with the Corps, Seattle District, Regulatory Branch Project Manager; and (3) approval must be received from the District Engineer prior to conducting nighttime disposal. Other appropriate special conditions may be added as a result of comments received during the public review period for this public notice.

**ADDITIONAL INFORMATION:** Proposed work in uplands includes installation of up to 210 linear feet of cable via HDD, removal of 0.64 acres of vegetation, and installation of the aid to navigation. The proposed in-water work window is 16 July to 15 February. Construction is proposed to start on or shortly after July 16, 2013 with project completion by February 15, 2015.

The proposed project is the subject of an Environmental Assessment (EA) prepared by the U.S. Navy. The Draft EA was published on February 20, 2013. The Navy will prepare a Final EA. The EA can be viewed at <http://www.emmrea.com/> or [https://portal.navfac.navy.mil/portal/page/portal/navfac/navfac\\_ww\\_pp/navfac\\_efanw\\_pp](https://portal.navfac.navy.mil/portal/page/portal/navfac/navfac_ww_pp/navfac_efanw_pp)

Copies of this public notice which have been mailed or otherwise physically distributed feature project drawings in black and white. The electronic version features those drawings in color, which we think more accurately communicates the scope of project impacts. To access the electronic version of this public notice, go to the Seattle District's web page at <http://www.nws.usace.army.mil/> and under the heading Open Public Comment Periods select Regulatory Public Notices. Recently-issued public notices are listed in chronological order of the date of issuance. Select and view the listing for this project.

**MITIGATION:** The Navy proposes to use the Hood Canal Coordinating Council (HCCC) In-Lieu Fee (ILF) program to mitigate for unavoidable impacts to aquatic resources.

## **NWS-2013-242, U.S. Navy (Bangor)**

**ENDANGERED SPECIES:** The Endangered Species Act (ESA) requires federal agencies to consult with the National Marine Fisheries Service (NMFS) and/or U.S. Fish and Wildlife Service (USFWS) pursuant to Section 7 of the ESA on all actions that may affect a species listed (or proposed for listing) under the ESA as threatened or endangered or any designated critical habitat. The U.S. Navy, Naval Base Kitsap, as the lead agency for ESA consultation, has initiated consultation with the NMFS and the USFWS as required under Section 7 of the ESA.

**ESSENTIAL FISH HABITAT:** The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996, requires all Federal agencies to consult with the NMFS on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). The U.S. Navy, Naval Base Kitsap, as the lead agency for a determination regarding EFH, has initiated consultation with the NMFS.

**CULTURAL RESOURCES:** The U.S. Navy, Naval Base Kitsap, as the lead agency for determining compliance with Section 106 of the National Historic Preservation Act, will consult with the State Historic Preservation Officer and Native American Tribes as appropriate.

**PUBLIC HEARING:** Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

**EVALUATION – CORPS:** The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and, in general, the needs and welfare of the people.

The Corps is soliciting comments from the public; Native American Nations or tribal governments; Federal, State, and local agencies and officials; and other interested parties in order to consider and evaluate the impacts of this activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition or deny a permit for the work. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the activity.

The described discharge will be evaluated for compliance with guidelines promulgated by the Environmental Protection Agency under authority of Section 404(b)(1) of the CWA. These guidelines require an alternatives analysis for any proposed discharge of dredged or fill material into waters of the United States.

**SOURCE OF FILL MATERIAL:** The applicant has not yet identified the source of the fill material. Should a permit be issued, the Corps will evaluate the fill material source prior to the start of construction.

**EVALUATION – ECOLOGY:** Ecology is soliciting comments from the public, Federal, Native American Nations or tribal governments, State, and local agencies and officials; and other interested parties in order to consider and evaluate the impacts of this activity. Ecology will be considering all comments to determine whether to certify or

**NWS-2013-242, U.S. Navy (Bangor)**

deny certification for the proposed project.

**ADDITIONAL EVALUATION:**

As a Federal agency, the U.S. Navy, Naval Base Kitsap-Bangor, will contact the Washington Department of Ecology directly to ensure the work is consistent with the Coastal Zone Management Program.

**COMMENT AND REVIEW PERIOD:** Conventional mail or e-mail comments on this public notice will be accepted and made part of the record and will be considered in determining whether it would be in the public interest to authorize this proposal. In order to be accepted, e-mail comments must originate from the author's e-mail account and must include on the subject line of the e-mail message the permit applicant's name and reference number as shown below. Either conventional mail or e-mail comments must include the permit applicant's name and reference number, as shown below, and the commentator's name, address, and phone number. All comments whether conventional mail or e-mail must reach this office, no later than the expiration date of this public notice to ensure consideration.

**CORPS COMMENTS:** All e-mail comments should be sent to [matthew.j.bennett@usace.army.mil](mailto:matthew.j.bennett@usace.army.mil). Conventional mail comments should be sent to: U.S. Army Corps of Engineers, Regulatory Branch, Attention: Mr. Matt Bennett, P.O. Box 3755, Seattle, Washington 98124-3755. All comments received will become part of the administrative record and are subject to public release under the Freedom of Information Act including any personally identifiable information such as names, phone numbers, and addresses.

**ECOLOGY COMMENTS:** Any person desiring to present views on the project pertaining to a request for water quality certification under Section 401 of the CWA and/or Coastal Zone Management consistency concurrence, may do so by submitting written comments to the following address: Washington State Department of Ecology, Attention: Federal Permit Coordinator, Post Office Box 47600, Olympia, Washington 98504-7600, or e-mail to [ecyrefedpermits@ecy.wa.gov](mailto:ecyrefedpermits@ecy.wa.gov).

To ensure proper consideration of all comments, responders must include the following name and reference number in the text of their comments: U.S. Navy (Bangor), NWS-2013-242.

Encl: Figures (7)



**Figure 1**  
 Proposed Action Vicinity  
 Electromagnetic Measurement  
 Ranging (EMMR) System  
 Naval Base Kitsap Bangor  
 Silverdale, Washington

**Legend**

- Military Installation Boundary
- Proposed Action Location
- County Boundary
- Hood Canal Bridge

**REFERENCE:** NWS-2013-242  
**APPLICANT:** NAVY  
**LOCATION:** S05, T26N, R01E  
**LAT/LONG:** 47° 56' 42.67" N  
 122° 32' 32.39" W

**PROPOSED PROJECT:** Electromagnetic  
 Measurement Ranging (EMMR) System

**IN:** Hood Canal  
**NEAR/AT:** Poulsbo  
**COUNTY:** Kitsap  
**STATE:** Washington

**DATE:** 4-4-13 **PAGE:** 1 of 7

0 6 10 12 Miles  
 0 10 20 Kilometers

**Source:** Esri, 2012; Dept.of Defense - Navy, 2011;  
 Finlayson, 2005.

**Figure 2**

**Proposed Action Layout**

**Electromagnetic Measurement Ranging System (EMMR) System**  
**Naval Base Kitsap, Bangor**  
**Silverdale, Washington**

**Legend**

- Military Installation Boundary
- Navy Restricted Area
- Streets

**Bathymetry Contours**

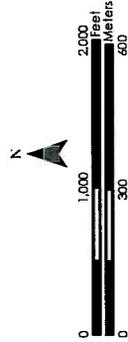
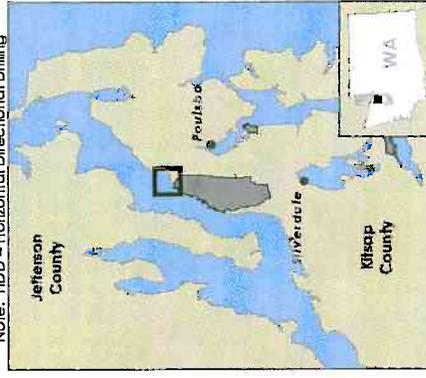
- 10 ft Interval Contour
- 50 ft Index Contour

**EMMR System Components / Construction Method**

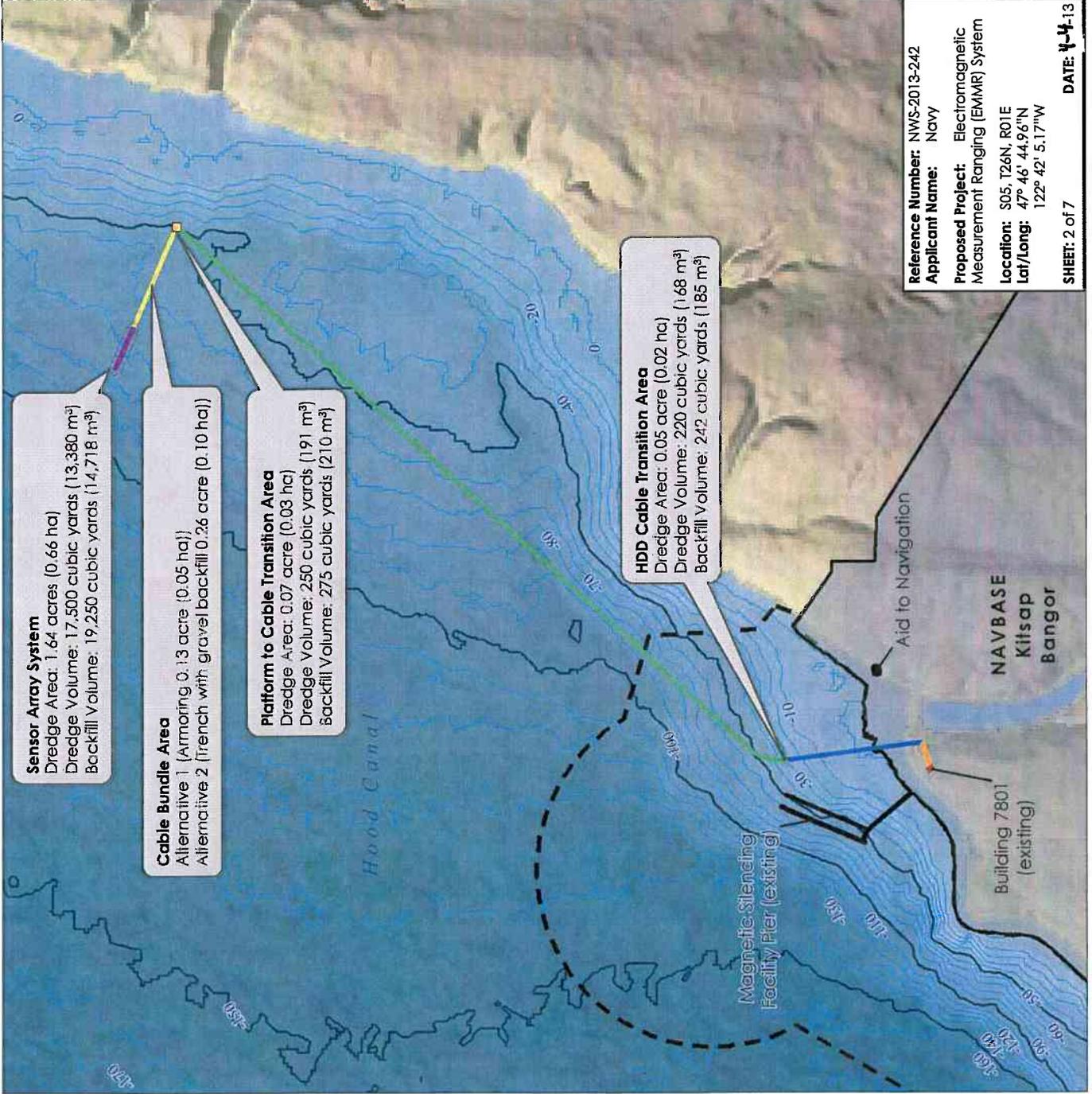
- Sensor Array (400 ft / 122 m) / Buried
- Cable Route (925 ft / 282 m) /
- Alt. 1 (Armoring 0.15 acre (0.05 ha)) / Jet-Plow
- Cable Route (6,970 ft / 2,124 m) / Jet-Plow
- Cable Route (1,148 ft / 350 m) / HDD
- Cable Route (210 ft / 64 m) / HDD
- Offshore Platform / Pile Driving (15 ft x 15 ft / 4.5 m x 4.5 m)
- Aid to Navigation
- Sensor Array Dredge Area

Note: HDD = Horizontal Directional Drilling

(122° 42' 5.17" W, 47° 46' 44.96" N)



Source: Esri, 2012; NAVFAC, 2012; Dept. of Defense - Navy, 2011; Finlayson, 2005.



Reference Number: NWS-2013-242  
 Applicant Name: Navy  
 Proposed Project: Electromagnetic Measurement Ranging (EMMR) System  
 Location: S05, T26N, R01E  
 Lat/Long: 47° 46' 44.96"N  
 122° 42' 5.17"W  
 SHEET: 2 of 7  
 DATE: 11-13

**Figure 3**

**Sensor Array Profile  
Electromagnetic Measurement  
Ranging (EMMR) System  
Naval Base Kitsap Bangor  
Silverdale, Washington**

**Legend**



Military Installation Boundary

**Reference Number:** NWS-2013-242

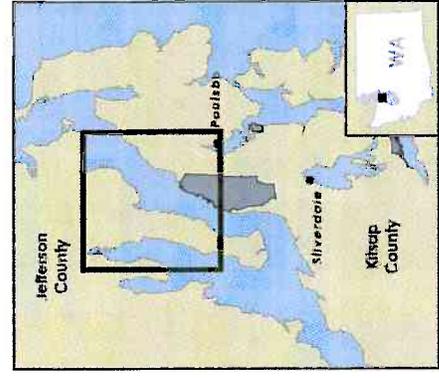
**Applicant Name:** Navy

**Proposed Project:** Electromagnetic  
Measurement Ranging (EMMR) System

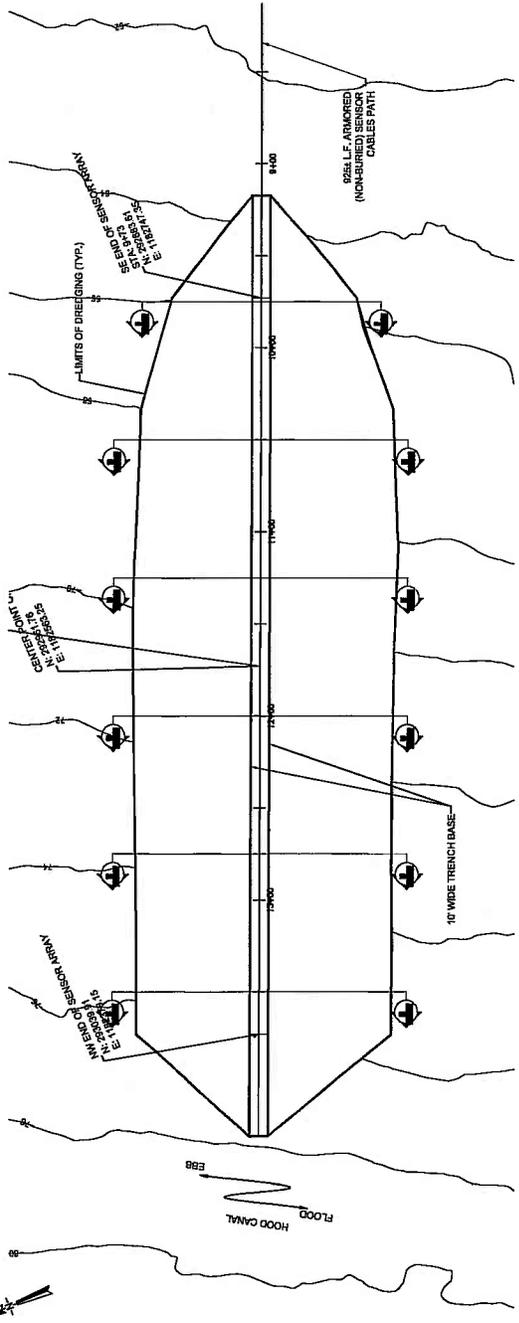
**Location:** S05, T26N, R01E

**SHEET:** 3 of 7

**DATE:** 4-4-13

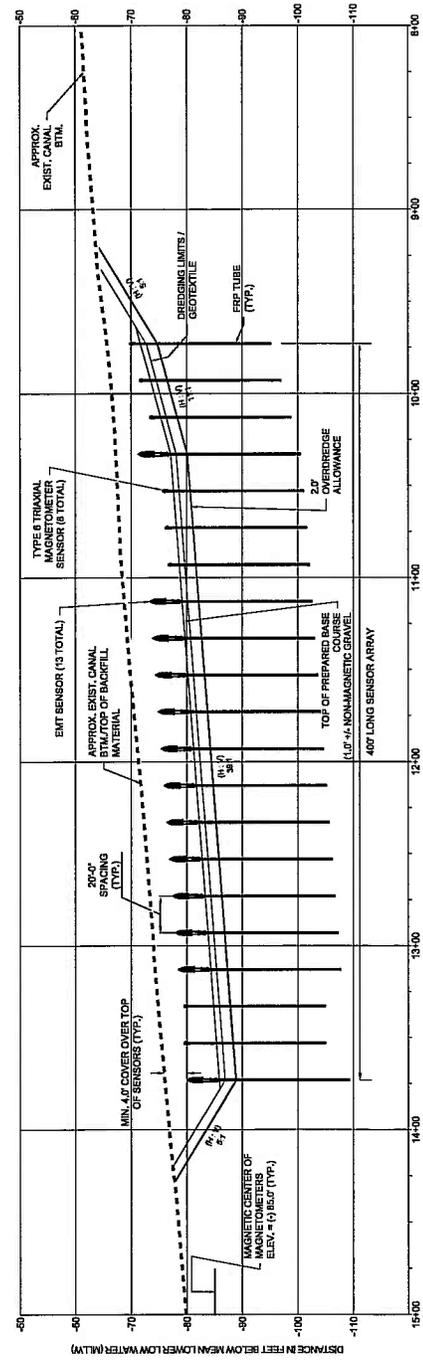


**Source:** ESRI, 2012; NAVFAC, 2012;  
Dept of Defense - Navy, 2011; Finlayson, 2005.



**SENSOR ARRAY PLAN VIEW**

SCALE: 1" = 30'  
Horizontal Scale: 1 INCH = 30 FEET



**SENSOR ARRAY PROFILE (LOOKING NORTH)**

SCALE: 1" = 30' (HORIZ.) 1" = 10' (VERT.)  
Horizontal Scale: 1 INCH = 30 FEET  
Vertical Scale: 1 INCH = 10 FEET

**Figure 4**  
**Offshore Platform**  
**Electromagnetic Measurement**  
**Ranging (EMMR) System**  
**Naval Base Kitsap Bangor**  
**Silverdale, Washington**

**Legend**



Military Installation Boundary

Reference Number: NWS-2013-242

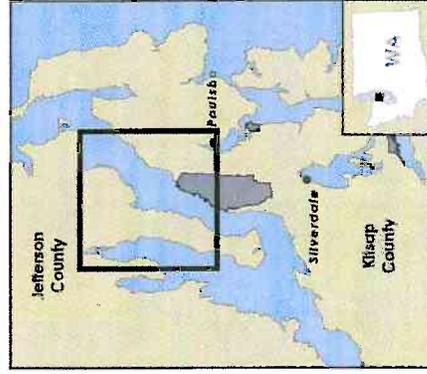
Applicant Name: Navy

Proposed Project: Electromagnetic Measurement Ranging (EMMR) System

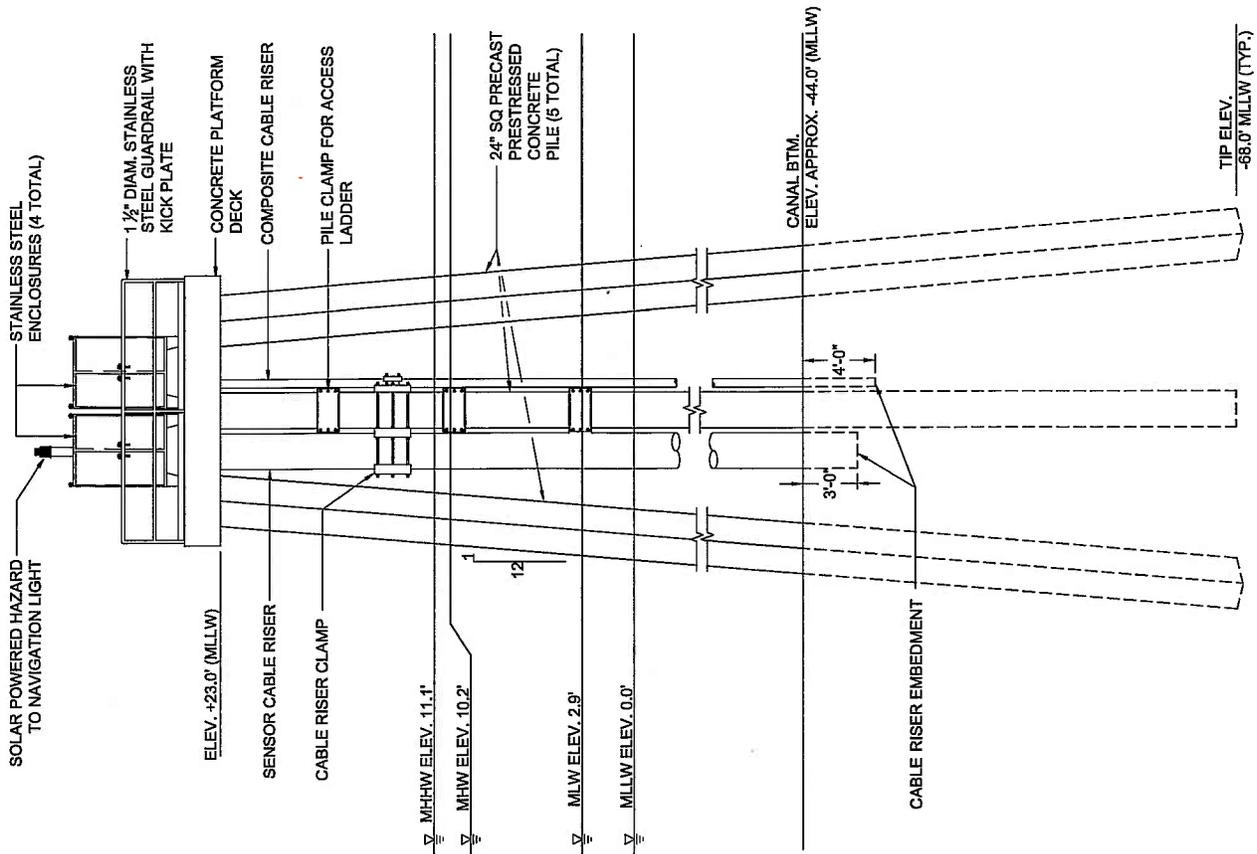
Location: S05, T26N, R01E

SHEET: 4 of 7

DATE: 4-4-13



Source: ESRI, 2012; NAVFAC, 2012; Dept. of Defense - Navy, 2011; Finlayson, 2005.



**Figure 5**

**Cable Armoring**  
Electromagnetic Measurement Ranging (EMMR) System  
Naval Base Kitsap Bangor  
Silverdale, Washington

**Legend**



**Note:** This figure illustrates the armoring that would be used under Alternative 1.

**Reference Number:** NWS-2013-242

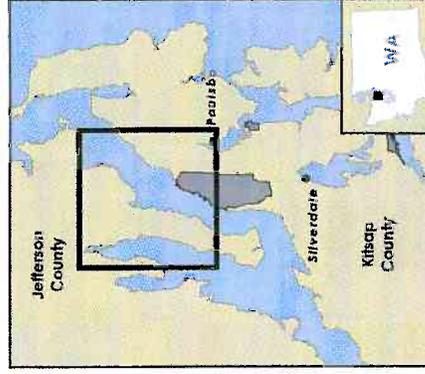
**Applicant Name:** Navy

**Proposed Project:** Electromagnetic Measurement Ranging (EMMR) System

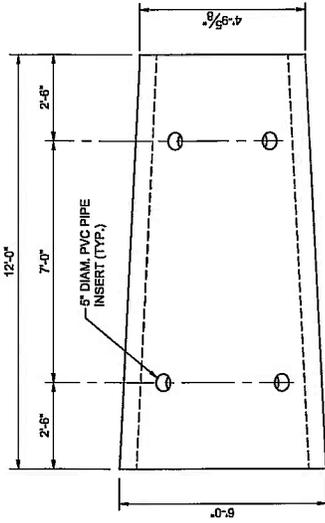
**Location:** S05, T26N, R01E

**SHEET:** 5 of 7

**DATE:** 4-4-13



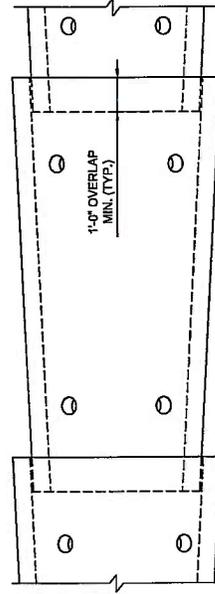
**Source:** ESRI, 2012; NAVFAC, 2012; Dept. of Defense - Navy, 2011; Finlayson, 2005.



**ARMORING UNIT PLAN**

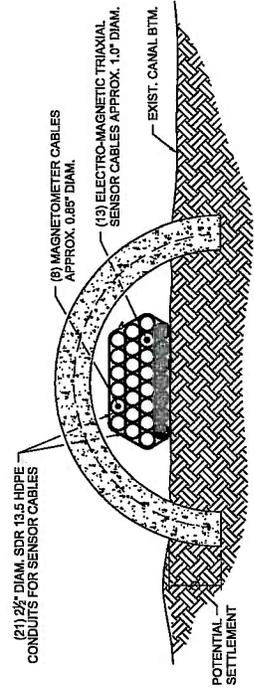


**ARMORING UNIT ELEVATION**



**INSTALLATION PLAN**

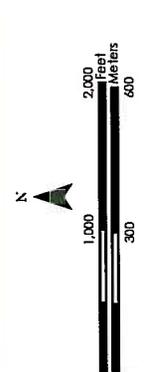
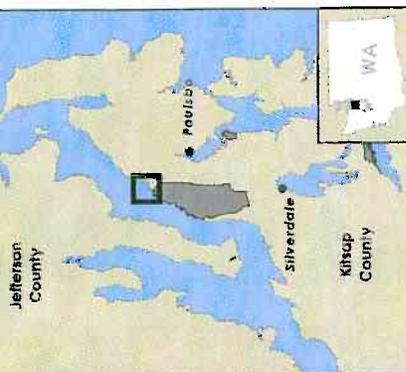
**Note:** Cable bundle would be laid below seafloor with jet plow and overlaid with the concrete armoring.



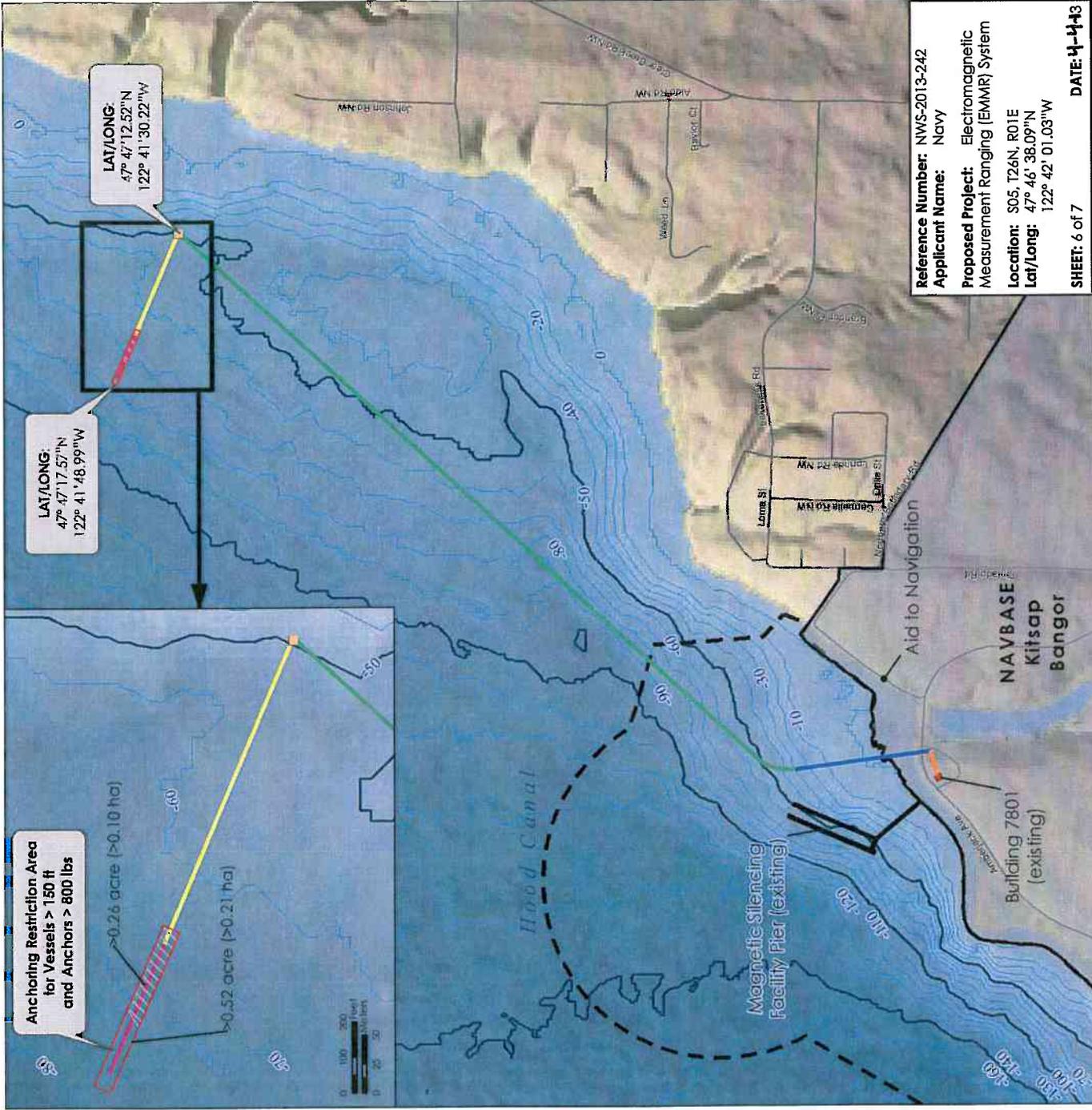
**Figure 6**  
**Anchoring and Geoduck Harvesting Restricted Areas**  
**Electromagnetic Measurement Ranging (EMMR) System**  
**Naval Base Kitsap Bangor**  
**Silverdale, Washington**

- Legend**
- Military Installation Boundary
  - Anchoring Restriction Area (50 ft Buffer)
  - Geoduck Harvesting Restricted Area
  - Navy Restricted Area
  - Streets
- Bathymetry Contours**
- 10 ft Interval Contour
  - 50 ft Index Contour
- EMMR System Components**
- Sensor Array (400 ft / 122 m)
  - Cable Route (925 ft / 282 m)
  - Cable Route (6,970 ft / 2,124 m)
  - Cable Route (1,148 ft / 350 m)
  - Cable Route (210 ft / 64 m)
  - Offshore Platform (15 ft x 15 ft / 4.5 m x 4.5 m)
  - Aid to Navigation

Note: This figure provides information for Alternatives 1 and 2.

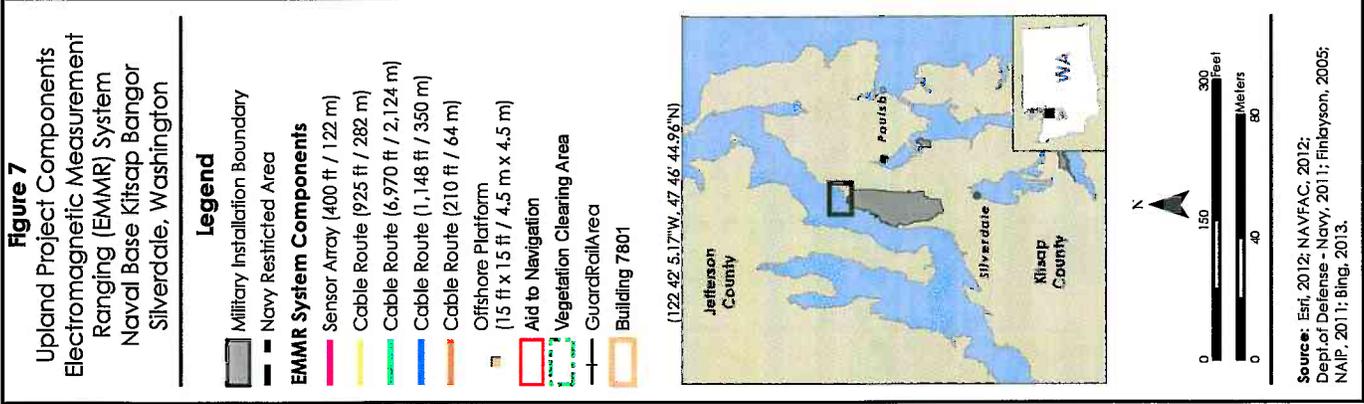


Source: Esri, 2012; NAVFAC, 2012; Dept. of Defense - Navy, 2011; Finlayson, 2005.





**Reference Number:** NWS-2013-242  
**Applicant Name:** Navy  
**Proposed Project:** Electromagnetic Measurement Ranging (EMMR) System  
**Location:** S05, T26N, R01E  
**Lat/Long:** 47° 46' 44.96"N 122° 42' 5.17"W  
**DATE:** 4-4-13  
**SHEET:** 7 of 7



**Figure 7**  
 Upland Project Components  
 Electromagnetic Measurement Ranging (EMMR) System  
 Naval Base Kitsap Bangor  
 Silverdale, Washington

**Legend**

- Military Installation Boundary
- Navy Restricted Area
- EMMR System Components**
- Sensor Array (400 ft / 122 m)
- Cable Route (925 ft / 282 m)
- Cable Route (6,970 ft / 2,124 m)
- Cable Route (1,148 ft / 350 m)
- Cable Route (210 ft / 64 m)
- Offshore Platform (15 ft x 15 ft / 4.5 m x 4.5 m)
- Aid to Navigation
- Vegetation Clearing Area
- GuardRail Area
- Building 7801

(122.42° 5.17' W, 47.46° 44.96' N)



**Source:** Esri, 2012; NAVFAC, 2012;  
 Dept of Defense - Navy, 2011; Finlayson, 2005;  
 NAIP, 2011; Bing, 2013.