

**APPROVED JURISDICTIONAL DETERMINATION FORM**  
**U.S. Army Corps of Engineers**

This form should be completed by following the instructions provided in Section IV of the JD Form Instructional Guidebook.

**SECTION I: BACKGROUND INFORMATION**

**A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): February 9, 2015**

**B. DISTRICT OFFICE, FILE NAME, AND NUMBER: Alaska District, POA-2014-531 – 673 CES/CEIEC**

**C. PROJECT LOCATION AND BACKGROUND INFORMATION:**

State: Alaska                      City: Joint Base Elmendorf-Richardson  
Center coordinates of site (lat/long in degree decimal format): Lat. 61.2713 ° N, Long. 149.7946 °W  
Name of nearest waterbody: Fish Lake  
Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: Cook Inlet  
Name of watershed or Hydrologic Unit Code (HUC): 19020401

- Check if map/diagram of review area and/or potential jurisdictional areas is/are available upon request.  
 Check if other sites (e.g., offsite mitigation sites, disposal sites, etc...) are associated with this action and are recorded on a different JD form

**D. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):**

- Office (Desk) Determination. Date: March 4, 2015  
 Field Determination. Date(s): *Click here to enter a date., Click here to enter a date.*

**SECTION II: SUMMARY OF FINDINGS**

**A. RHA SECTION 10 DETERMINATION OF JURISDICTION.**

There are no “navigable waters of the U.S.” within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area.

- Waters subject to the ebb and flow of the tide.  
 Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce.  
Explain: *Click here to enter text.*

**B. CWA SECTION 404 DETERMINATION OF JURISDICTION.**

There are no “waters of the U.S.” within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area.

**1. Waters of the U.S.**

**a. Indicate presence of waters of U.S. in review area (check all that apply):**

- TNWs, including territorial seas  
 Wetlands adjacent to TNWs  
 Relatively permanent waters (RPWs) that flow directly or indirectly into TNWs  
 Non-RPWs that flow directly or indirectly into TNWs  
 Wetlands directly abutting RPWs that flow directly or indirectly into TNWs  
 Wetlands adjacent to but not directly abutting RPWs that flow directly or indirectly into TNWs  
 Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs  
 Impoundments of jurisdictional waters  
 Isolated (interstate or intrastate) waters, including isolated wetlands

**b. Identify (estimate) size of waters of the U.S. in the review area:**

Non-wetland waters: # linear feet: # width (ft) and/or # acres.  
Wetlands: # acres.

**c. Limits (boundaries) of jurisdiction based on: Choose an item.**

Elevation of established OHWM (if known): *Click here to enter text.*

**2. Non-regulated waters/wetlands (check if applicable):**

- Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional.  
Explain: The subject wetland was determined to be an isolated water of the U.S.

**SECTION III: CWA ANALYSIS**

**A. TNWs AND WETLANDS ADJACENT TO TNWs**

**1. TNW**

Identify TNW: *Click here to enter text.*

Summarize rationale supporting determination: *Click here to enter text.*

**2. Wetland adjacent to TNW**

Summarize rationale supporting conclusion that wetland is "adjacent": *Click here to enter text.*

**B. CHARACTERISTICS OF TRIBUTARY (THAT IS NOT A TNW) AND ITS ADJACENT WETLANDS (IF ANY):**

**1. Characteristics of non-TNWs that flow directly or indirectly into TNW**

**(i) General Area Conditions:**

Watershed size: # *Choose an item.*

Drainage area: # *Choose an item.*

Average annual rainfall: # inches

Average annual snowfall: # inches

**(ii) Physical Characteristics:**

**(a) Relationship with TNW:**

Tributary flows directly into TNW.

Tributary flows through *Choose an item.* tributaries before entering TNW.

Project waters are *Choose an item.* river miles from TNW.

Project waters are *Choose an item.* river miles from RPW.

Project waters are *Choose an item.* aerial (straight) miles from TNW.

Project waters are *Choose an item.* aerial (straight) miles from RPW.

Project waters cross or serve as state boundaries. Explain: *Click here to enter text.*

Identify flow route to TNW: *Click here to enter text.*

Tributary stream order, if known: *Click here to enter text.*

**(b) General Tributary Characteristics (check all that apply):**

**Tributary is:**  Natural

Artificial (man-made). Explain: *Click here to enter text.*

Manipulated (man-altered). Explain: *Click here to enter text.*

**Tributary properties with respect to top of bank (estimate):**

Average width: # feet

Average depth: # feet

Average side slopes: *Choose an item.*

**Primary tributary substrate composition (check all that apply):**

Silts  Sands  Concrete

Cobbles  Gravel  Muck

Bedrock  Vegetation. Type/% cover: *Click here to enter text.*

Other. Explain: *Click here to enter text.*

Tributary condition/stability [e.g., highly eroding, sloughing banks]. Explain: *Click here to enter text.*

Presence of run/riffle/pool complexes. Explain: *Click here to enter text.*

Tributary geometry: *Choose an item.*

Tributary gradient (approximate average slope): #%

**(c) Flow:**

Tributary provides for: *Choose an item.*

Estimate average number of flow events in review area/year: *Choose an item.*

Describe flow regime: *Click here to enter text.*

Other information on duration and volume: *Click here to enter text.*

Surface flow is: *Choose an item.* Characteristics: *Click here to enter text.*

Subsurface flow: *Choose an item.* Explain findings: *Click here to enter text.*

Dye (or other) test performed: *Click here to enter text.*

Tributary has (check all that apply):

Bed and banks

- OHWM (check all indicators that apply):
- |   |  |
|---|--|
| <input type="checkbox"/> clear, natural line impressed on the bank      | <input type="checkbox"/> the presence of litter and debris                                 |
| <input type="checkbox"/> changes in the character of soil               | <input type="checkbox"/> destruction of terrestrial vegetation                             |
| <input type="checkbox"/> shelving                                       | <input type="checkbox"/> the presence of wrack line  |
| <input type="checkbox"/> vegetation matted down, bent, or absent        | <input type="checkbox"/> sediment sorting  |
| <input type="checkbox"/> leaf litter disturbed or washed away           | <input type="checkbox"/> scour   |
| <input type="checkbox"/> sediment deposition                            | <input type="checkbox"/> multiple observed or predicted flow events                        |
| <input type="checkbox"/> water staining                                 | <input type="checkbox"/> abrupt change in plant community <i>Click here to enter text.</i> |
| <input type="checkbox"/> other (list): <i>Click here to enter text.</i> |  |
- Discontinuous OHWM. Explain: *Click here to enter text.*

If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction (check all that apply):

- |   |  |
|---|--|
| <input type="checkbox"/> High Tide Line indicated by:                   | <input type="checkbox"/> Mean High Water Mark indicated by:            |
| <input type="checkbox"/> oil or scum line along shore objects           | <input type="checkbox"/> survey to available datum;                    |
| <input type="checkbox"/> fine shell or debris deposits (foreshore)      | <input type="checkbox"/> physical markings;                            |
| <input type="checkbox"/> physical markings/characteristics              | <input type="checkbox"/> vegetation lines/changes in vegetation types. |
| <input type="checkbox"/> tidal gauges                                   |  |
| <input type="checkbox"/> other (list): <i>Click here to enter text.</i> |  |

**(iii) Chemical Characteristics:**

Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.). Explain: *Click here to enter text.*

Identify specific pollutants, if known: *Click here to enter text.*

**(iv) Biological Characteristics. Channel supports (check all that apply):**

- Riparian corridor. Characteristics (type, average width): *Click here to enter text.*
- Wetland fringe. Characteristics: *Click here to enter text.*
- Habitat for:
- Federally Listed species. Explain findings: *Click here to enter text.*
  - Fish/spawn areas. Explain findings: *Click here to enter text.*
  - Other environmentally-sensitive species. Explain findings: *Click here to enter text.*
  - Aquatic/wildlife diversity. Explain findings: *Click here to enter text.*

**2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW**

**(i) Physical Characteristics:**

**(a) General Wetland Characteristics:**

Properties:

Wetland size: # acres

Wetland type. Explain: *Click here to enter text.*

Wetland quality. Explain: *Click here to enter text.*

Project wetlands cross or serve as state boundaries. Explain: *Click here to enter text.*

**(b) General Flow Relationship with Non-TNW:**

Flow is: *Choose an item.* Explain: *Click here to enter text.*

Surface flow is: *Choose an item.*

Characteristics: *Click here to enter text.*

Subsurface flow: *Choose an item.* Explain findings: *Click here to enter text.*

Dye (or other) test performed: *Click here to enter text.*

**(c) Wetland Adjacency Determination with Non-TNW:**

Directly abutting

Not directly abutting

Discrete wetland hydrologic connection. Explain: *Click here to enter text.*

Ecological connection. Explain: *Click here to enter text.*

Separated by berm/barrier. Explain: *Click here to enter text.*

**(d) Proximity (Relationship) to TNW**

Project wetlands are *Choose an item.* river miles from TNW.

Project waters are *Choose an item.* aerial (straight) miles from TNW.

Flow is from: *Choose an item.*

Estimate approximate location of wetland as within the *Choose an item.* floodplain.

**(ii) Chemical Characteristics:**

Characterize wetland system (e.g., water color is clear, brown, oil film on surface; water quality; general watershed characteristics; etc.). Explain: *Click here to enter text.*

Identify specific pollutants, if known: *Click here to enter text.*

**(iii) Biological Characteristics. Wetland supports (check all that apply):**

Riparian buffer. Characteristics (type, average width): *Click here to enter text.*

Vegetation type/percent cover. Explain: *Click here to enter text.*

Habitat for:

Federally Listed species. Explain findings: *Click here to enter text.*

Fish/spawn areas. Explain findings: *Click here to enter text.*

Other environmentally-sensitive species. Explain findings: *Click here to enter text.*

Aquatic/wildlife diversity. Explain findings: *Click here to enter text.*

**3. Characteristics of all wetlands adjacent to the tributary (if any)**

All wetland(s) being considered in the cumulative analysis: *Choose an item.*

Approximately (#) acres in total are being considered in the cumulative analysis.

For each wetland, specify the following:

<u>Directly abuts? (Y/N)</u>	<u>Size (in acres)</u>	<u>Directly abuts? (Y/N)</u>	<u>Size (in acres)</u>
Y/N	#	Y/N	#
Y/N	#	Y/N	#
Y/N	#	Y/N	#
Y/N	#	Y/N	#

Summarize overall biological, chemical and physical functions being performed: *Click here to enter text.*

**C. SIGNIFICANT NEXUS DETERMINATION**

**Draw connections between the features documented and the effects on the TNW, as identified in the *Rapanos* Guidance and discussed in the Instructional Guidebook. Factors to consider include, for example:**

- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to carry pollutants or flood waters to TNWs, or to reduce the amount of pollutants or flood waters reaching a TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), provide habitat and lifecycle support functions for fish and other species, such as feeding, nesting, spawning, or rearing young for species that are present in the TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to transfer nutrients and organic carbon that support downstream foodwebs?
- Does the tributary, in combination with its adjacent wetlands (if any), have other relationships to the physical, chemical, or biological integrity of the TNW?

*Note: the above list of considerations is not inclusive and other functions observed or known to occur should be documented below:*

1. **Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary itself, then go to Section III.D: *Click here to enter text.*
2. **Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D: *Click here to enter text.*
3. **Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D: *Click here to enter text.*

**D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE (CHECK ALL THAT APPLY):**

1. **TNWs and Adjacent Wetlands.** Check all that apply and provide size estimates in review area:

TNWs: # linear feet # width (ft), Or, # acres.

Wetlands adjacent to TNWs: # acres.

2. **RPWs that flow directly or indirectly into TNWs.**

Tributaries of TNWs where tributaries typically flow year-round are jurisdictional. Provide data and rationale indicating that tributary is perennial: *Click here to enter text.*

Tributaries of TNW where tributaries have continuous flow "seasonally" (e.g., typically three months each year) are jurisdictional. Data supporting this conclusion is provided at Section III.B. Provide rationale indicating that tributary flows seasonally: *Click here to enter text.*

Provide estimates for jurisdictional waters in the review area (check all that apply):

Tributary waters: # linear feet # width (ft).

Other non-wetland waters: # acres.

Identify type(s) of waters:

**3. Non-RPWs that flow directly or indirectly into TNWs.**

- Waterbody that is not a TNW or an RPW, but flows directly or indirectly into a TNW, and it has a significant nexus with a TNW is jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional waters within the review area (check all that apply):

Tributary waters: # linear feet # width (ft).

Other non-wetland waters: # acres.

Identify type(s) of waters: *Click here to enter text.*

**4. Wetlands directly abutting an RPW that flow directly or indirectly into TNWs.**

- Wetlands directly abut RPW and thus are jurisdictional as adjacent wetlands.
- Wetlands directly abutting an RPW where tributaries typically flow year-round. Provide data and rationale indicating that tributary is perennial in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW: *Click here to enter text.*
- Wetlands directly abutting an RPW where tributaries typically flow "seasonally." Provide data indicating that tributary is seasonal in Section III.B and rationale in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW: *Click here to enter text.*

Provide acreage estimates for jurisdictional wetlands in the review area: # acres.

**5. Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs.**

- Wetlands that do not directly abut an RPW, but when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide acreage estimates for jurisdictional wetlands in the review area: # acres.

**6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.**

- Wetlands adjacent to such waters, and have when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide estimates for jurisdictional wetlands in the review area: # acres.

**7. Impoundments of jurisdictional waters.**

As a general rule, the impoundment of a jurisdictional tributary remains jurisdictional.

Demonstrate that impoundment was created from "waters of the U.S.," or

Demonstrate that water meets the criteria for one of the categories presented above (1-6), or

Demonstrate that water is isolated with a nexus to commerce (see E below).

**E. ISOLATED [INTERSTATE OR INTRA-STATE] WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY SUCH WATERS (CHECK ALL THAT APPLY):**

which are or could be used by interstate or foreign travelers for recreational or other purposes.

from which fish or shellfish are or could be taken and sold in interstate or foreign commerce.

which are or could be used for industrial purposes by industries in interstate commerce.

Interstate isolated waters. Explain: *Click here to enter text.*

Other factors. Explain: *Click here to enter text.*

**Identify water body and summarize rationale supporting determination:** *Click here to enter text.*

Provide estimates for jurisdictional waters in the review area (check all that apply):

Tributary waters: # linear feet # width (ft).

Other non-wetland waters: # acres.

Identify type(s) of waters: *Click here to enter text.*

Wetlands: # acres.

**F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS (CHECK ALL THAT APPLY):**

If potential wetlands were assessed within the review area, these areas did not meet the criteria in the 1987 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements.

Review area included isolated waters with no substantial nexus to interstate (or foreign) commerce.

Prior to the Jan 2001 Supreme Court decision in "SWANCC," the review area would have been regulated based solely on the "Migratory Bird Rule" (MBR).

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction. Explain: *Click here to enter*

text.

Other: (explain, if not covered above): *Click here to enter text.*

Provide acreage estimates for non-jurisdictional waters in the review area, where the sole potential basis of jurisdiction is the MBR factors (i.e., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment (check all that apply):

Non-wetland waters (i.e., rivers, streams): # linear feet # width (ft).

Lakes/ponds: # acres.

Other non-wetland waters: # acres. List type of aquatic resource: *Click here to enter text.*

Wetlands: 1.72 acres.

Provide acreage estimates for non-jurisdictional waters in the review area that do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction (check all that apply):

Non-wetland waters (i.e., rivers, streams): # linear feet # width (ft).

Lakes/ponds: # acres.

Other non-wetland waters: # acres. List type of aquatic resource: *Click here to enter text.*

Wetlands: # acres.

#### **SECTION IV: DATA SOURCES.**

**A. SUPPORTING DATA. Data reviewed for JD (check all that apply - checked items shall be included in case file and, where checked and requested, appropriately reference sources below):**

Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant: Submitted request, dated December 9, 2014

Data sheets prepared/submitted by or on behalf of the applicant/consultant.

Office concurs with data sheets/delineation report.

Office does not concur with data sheets/delineation report.

Data sheets prepared by the Corps: *Click here to enter text.*

Corps navigable waters' study: *Click here to enter text.*

U.S. Geological Survey Hydrologic Atlas: *Click here to enter text.*

USGS NHD data.

USGS 8 and 12 digit HUC maps.

Alaska District's Approved List of Navigable Waters

U.S. Geological Survey map(s). Cite scale & quad name: Anchorage B-8

USDA Natural Resources Conservation Service Soil Survey. Citation: NRCS Web Soil Survey

National wetlands inventory map(s). Cite name: *Click here to enter text.*

State/Local wetland inventory map(s): *Click here to enter text.*

FEMA/FIRM maps: *Click here to enter text.*

100-year Floodplain Elevation is: *Click here to enter text.* (National Geodetic Vertical Datum of 1929)

Photographs:  Aerial (Name & Date): *Click here to enter text.*

or  Other (Name & Date): Applicant provided delineation, dated December 8, 2014

Previous determination(s). File no. and date of response letter: *Click here to enter text.*

Applicable/supporting case law: *Click here to enter text.*

Applicable/supporting scientific literature: *Click here to enter text.*

Other information (please specify): *Click here to enter text.*

**B. ADDITIONAL COMMENTS TO SUPPORT JD:** *Click here to enter text.*



Blake Romero  
Regulatory Specialist

March 4, 2015

Date