

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

SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): August 25, 2017

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: Alaska District, POA-2017-395

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State: Alaska Borough: Matanuska-Susitna City: Wasilla
Center coordinates of site (lat/long in degree decimal format): Lat. 61.5806 ° N., Long 149.5612 °W.
Universal Transverse Mercator: 6V
Name of nearest waterbody: Jacobsen Lake
Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: Big
Lake Name of watershed or Hydrologic Unit Code (HUC): 1902040105

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: July 28, 2017
 Field Determination. Date(s): August 11, 2017

SECTION II: SUMMARY OF FINDINGS

A. RHA SECTION 10 DETERMINATION OF JURISDICTION: N/A

B. CWA SECTION 404 DETERMINATION OF JURISDICTION.

There are "waters of the U.S." within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area.
[Required]

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: N/A

c. Limits (boundaries) of jurisdiction based on: N/A

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

SECTION III: CWA ANALYSIS

A. TNWs AND WETLANDS ADJACENT TO TNWs: N/A

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

POA-2017-395; Jacobsen Lake

C. SIGNIFICANT NEXUS DETERMINATION: N/A

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

1. **TNWs and Adjacent Wetlands:** N/A
2. **RPWs that flow directly or indirectly into TNWs:** N/A
3. **Non-RPWs¹ that flow directly or indirectly into TNWs:** N/A

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

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:

The review area is located in a wetland area coded as PEM1/SS1B by NWI. This particular wetland area is bisected by a railroad track and splits a wetland area in half in an East to West fashion. The southern section of the bisected wetland is directly connected to a RPW in the form of an unnamed perennial stream; identified as such through the NHD via SimSuite. The unnamed creek connects to Meadow Creek, a perennial stream, that in-turn connects to Big Lake (a TNW). Although the review area is located within a surveyed wetland area that is bisected via railroad tracks, a culvert in the South West corner of the wetland area (located underneath an overpass where W. Parks Highway crosses over railroad tracks) connects the two bisected wetlands providing unbroken hydrologic connection.

The 1-acre review area, as previously mentioned, was surveyed as a PEM1/SS1B wetland type by NWI. A Cook Inlet Wetland Survey also identifies the 1-acre review area as consisting fully of wetlands. A USDA NRCS custom soil survey/report identifies the 1-acre review area as consisting of a 100% Cryaquepts soil, which, as identified by the report, are classified as hydric. Furthermore, a wetland delineation conducted by USACE on August 11, 2017 established that the 1-acre review area was wholly consistent of wetlands.

5. **Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs:** N/A
6. **Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs:** N/A
7. **Impoundments of jurisdictional waters:** N/A

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: N/A

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS: N/A

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:
- 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: POA-2017-395 Delineation Sheets 1-4
- Corps navigable waters' study: N/A

- U.S. Geological Survey Hydrologic Atlas:
 - 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:
 - USDA Natural Resources Conservation Service Soil Survey. Citation: Matanuska-Susitna Valley Area, Alaska AK600 Map Unit Symbol-116. 100% of the review area is considered Cryaquepts, depressionnal which is hydric.
 - National wetlands inventory map(s). Cite name: NWI-PEM1/SS1B/ Freshwater Emergent Wetland
 - State/Local wetland inventory map(s): Cook Inlet Wetlands
 - FEMA/FIRM maps: N/A
 - 100-year Floodplain Elevation is:
- Photographs: Aerial (Name & Date): Google Earth-Imagery Date April 14, 2011
 or Other (Name & Date): SimSuite and supporting site/delineation photographs
- Previous determination(s). File no. and date of response letter: POA-2017-395 - Pre-JD Letter August 10, 2017
- Applicable/supporting case law: N/A
Applicable/supporting scientific literature: N/A
Other information (please specify): N/A

B. ADDITIONAL COMMENTS TO SUPPORT JD: N/A

Shane McCoy
Chief, South Section

Date