

DRY LAND APPROVED JURISDICTIONAL DETERMINATION FORM¹
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): December 20, 2018

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: POA-2018-00459 IRHA Takotna River

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State: Alaska County/parish/borough: Yukon-Koyukuk Census Area City: Takotna
Center coordinates of site (lat/long in degree decimal format): Lat. 62.98808°, Long. -156.068764°
Universal Transverse Mercator: 04V 648497 6987646 UTM

Name of nearest waterbody: Takotna River

Name of watershed or Hydrologic Unit Code (HUC): HU8_19030403 Takotna River

- Check if map/diagram of review area is 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. December 18, 2018
Date:
- Field Determination.
Date(s):

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.

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.

SECTION III: 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: Picture of the residence and property showing vegetation (no date, appeared to be early spring).
- 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:
- U.S. Geological Survey Hydrologic Atlas: NHD Flowline layer (accsd online 2017)
 - USGS NHD data.
 - USGS 8 and 12 digit HUC maps. HUC 8 19030403 (NWI accsd online 2018)
- U.S. Geological Survey map(s). Cite scale & quad name: Iditarod D-1 1:63,360, (ESRI Online accsd 2018)
- USDA Natural Resources Conservation Service Soil Survey. Citation: Exploratory Survey of Alaska (NRCS 1979). No modern survey.
- National wetlands inventory map(s). Cite name: HUC 8 19030403 (NWI accsd online 2018)
- State/Local wetland inventory map(s):
- FEMA/FIRM maps: no survey available (accsd online database 12/2018)
- 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)
- Photographs: Aerial (Name & Date): ESRI Basemap (accsd online 12/2018), Google maps imagery (accsd 12/2018)
or Other (Name & Date):
http://www.belmont.k12.ma.us/burbank/iditarod/images/day_09/Takotna_big.jpg (accsd 12-19-2018), <http://mntnet.net/images/villages/Takotna-Aerial.jpg> (accsd 12-19-2018).

¹ This form is for use only in recording approved JDs involving dry land. It extracts the relevant elements of the longer approved JD form in use since 2007 for aquatic areas and adds no new fields.

- Previous determination(s). File no. and date of response letter:
- Applicable/supporting case law:
- Applicable/supporting scientific literature: .
- Other information (please specify): Arctic DEM AK 5 m mosaic (Division of Geological & Geophysical Surveys accsd online 2018)

B. REQUIRED ADDITIONAL COMMENTS TO SUPPORT JD. EXPLAIN RATIONALE FOR DETERMINATION THAT THE REVIEW AREA ONLY INCLUDES DRY LAND: Aerial photos from low flying aircraft show this property as being on the toe slope of the surrounding hills at least 100 feet above the Takotna River channel. The Arctic DEM LiDAR (5 meter) confirms that it resides above the channel on the lower slope of the town's south facing hillside. It's elevation places it above average flood stage for spring break-up, decreasing the chances of ponding, soil saturation, or hydrologic connection to the Takotna River during any significant part of the growing season. Additionally, in comparison with other aspect orientations, south facing hillsides are typically well-drained due to the increased solar gain prohibiting permafrost development. Aerial photos and imagery show the surrounding vegetation as mixed forest dominant in Paper birch, a facultative upland species.- This, and the NWI categorization of 'upland' together confirm the status of this property as non-jurisdictional uplands.

Amy Tippery
Regulatory Specialist
NORTH CENTRAL Section

12-18-2018
Date



POA-2018-459 National Wetlands Inventory (NWI)



Sources: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Legend

-  Project Area
-  Anadromous Waters
-  Stream/River
-  Freshwater Forested/Shrub Wetland
-  Riverine

USACE Regulatory, Alaska District
 Fairbanks Field Office (907) 458-1602
 Contact: amy.c.tippery@usace.army.mil
 Projection: NAD 1983
 Imagery: ESRI Basemap
 Citation: NWI (2018) & NHD (2017)
 Date: 12/18/2018 Scale: 1:3,080

0 150 300 450 Feet

