DRY LAND APPROVED JURISDICTIONAL DETERMINATION FORM[1]
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): April 27, 2018

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: POA-2018-84 Chena Slough

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State: Alaska County/parish/borough: Fairbanks North Star Borough City: North Pole
Center coordinates of site (lat/long in degree decimal format): 64.8321º N. Long. -147.4398 º W.
Universal Transverse Mercator: 06W 479130 7189814
Name of nearest waterbody: Chena Slough
Name of watershed or Hydrologic Unit Code (HUC): 19080306, Chena River

- [x] 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):

- [x] Office (Desk) Determination. Date: April 12, 2018
- [ ] Field Determination. Date(s): *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.

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: *Click here to enter text.*
- [ ] 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.*
- [x] U.S. Geological Survey Hydrologic Atlas: National Hydrographic Dataset (2017),
  - [x] USGS NHD data.
  - [x] USGS 8 and 12 digit HUC maps. HUC8 Chena River (19080306)
- [x] U.S. Geological Survey map(s). Cite scale & quad name: Fairbanks D-1 (1:63,360)
- [x] USDA Natural Resources Conservation Service Soil Survey. Citation: Greater Fairbanks Soil Survey
- [x] National wetlands inventory map(s). Cite name: USFW online database for HUC 19080306 (accsd. 2017)
- [ ] State/Local wetland inventory map(s): *Click here to enter text.*
- [x] FEMA/FIRM maps: FEMA, accsd. online 2017
- [ ] 100-year Floodplain Elevation is: *Click here to enter text.* (National Geodectic Vertical Datum of 1929)
- [x] Photographs: [x] Aerial (Name & Date): Pictometry_2012_9in_Fairbanks.sid (FNSB 2012), ESRI Basemap (online database, accsd. 2018), Google Earth Pro (1996, 2003, 2011, 2015, 2017), Google Maps Streetview (9/2011).
  or [x] Other (Name & Date): 1m LIDAR Imagery (Hillshade_2010_LiDAR_DEM.img)
- [ ] 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. REQUIRED ADDITIONAL COMMENTS TO SUPPORT JD. EXPLAIN RATIONALE FOR DETERMINATION THAT THE REVIEW AREA ONLY INCLUDES DRY LAND: Although soils in the area (Jarvis-Salchaket Complex, 90% of unit) were surveyed as having a significant percentage of hydric minor components (8%), there is no evidence that hydric soil types are supported on this property. Evidence such as aerial imagery and high density LIDAR suggests the microtopography is devoid of gullies, ponds, swales or other features that would hold or pond water for enough time to form wetland features. There is an unmapped stream running east-west about 300 feet to the north, but no drainage features can be detected on lidar or aerial imagery to connect it to this property. Vegetation on site also suggests a more mesic

[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.

moisture soil regime as there is a dominance of facultative upland species (FACU). No wetland features were mapped by the NWI. Though this area of North Pole is known to host saturated soils created by an aquitard of discontinuous permafrost or seasonal frost, this property does not appear to have wetland features as do the neighboring properties.

TIPPERY.AMY.CHRISTINE.1404644021

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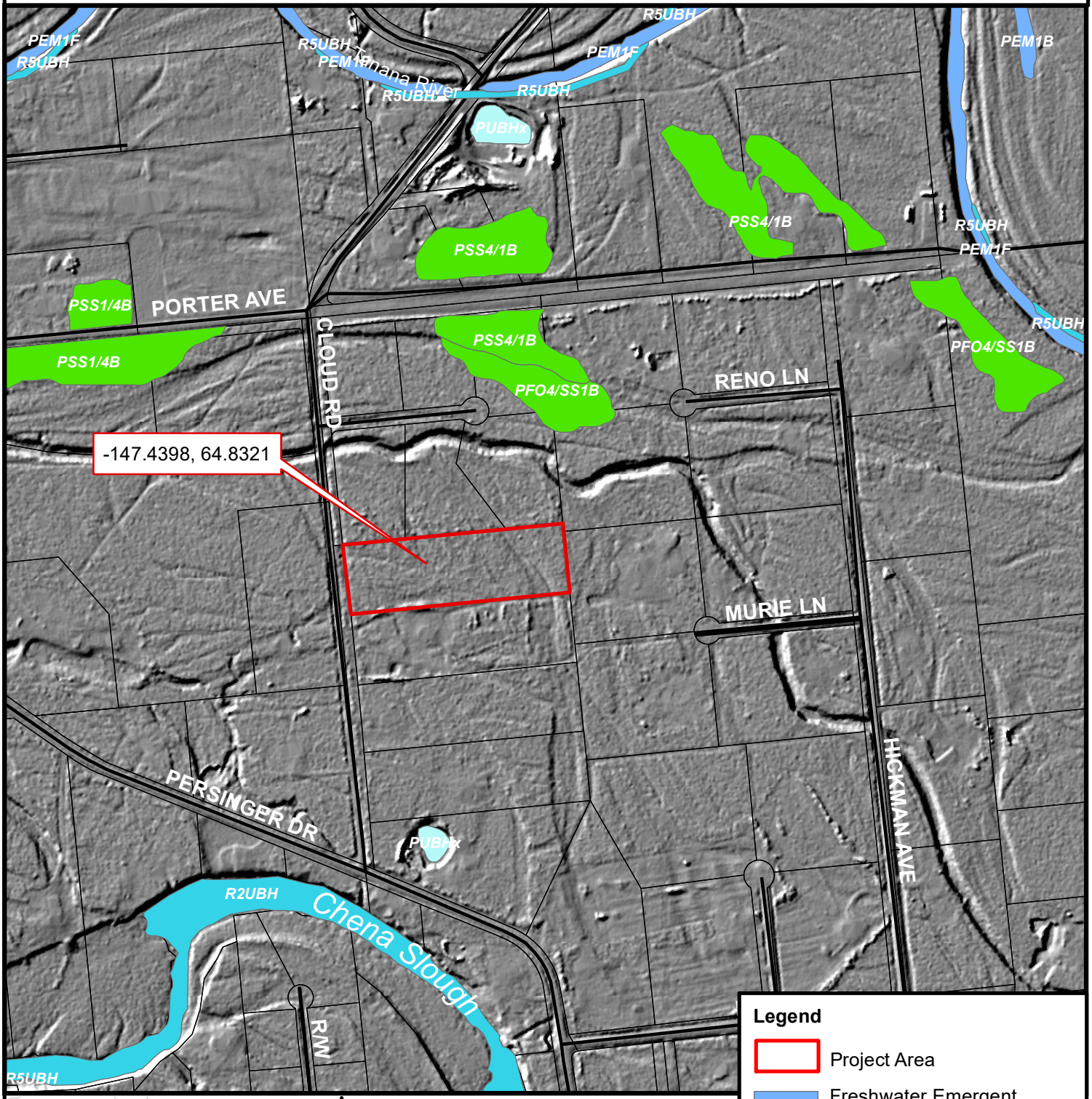
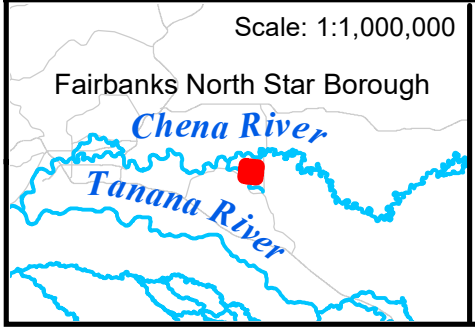
DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USA, cn=TIPPERY.AMY.CHRISTINE.1404644021
Date: 2018.05.08 13:58:04 -08'00'

POA-2018-84 United States Fish and Wildlife Service (USFWS) National Wetlands Inventory (NWI)





USACE Regulatory, Alaska District
Fairbanks Field Office (907) 474-2166
Contact: amy.c.tippery@usace.army.mil
Date: 4/6/2018 Citation: USFS NWI (2017)
Projection: NAD 1983 Scale: 1:6,000
Imagery: Hillshade_2010_LiDAR_DEM.img

N

0 330 660 990 Feet

Legend

- Project Area
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Riverine
- FNSB Tax Parcels