



**U.S. ARMY CORPS OF ENGINEERS
REGULATORY PROGRAM
APPROVED JURISDICTIONAL DETERMINATION FORM (INTERIM)
NAVIGABLE WATERS PROTECTION RULE**

I. ADMINISTRATIVE INFORMATION

Completion Date of Approved Jurisdictional Determination (AJD): 8/23/2021

ORM Number: POA-2021-00390

Associated JDs: POA-2017-00545, Marc Dobkowski, Road Construction

Review Area Location¹: State/Territory: Alaska. City: Big Lake. County/Parish/Borough: Matsu Borough

Center Coordinates of Review Area: Latitude 61.507655° N Longitude 150.014780° W

II. FINDINGS

A. Summary: Check all that apply. At least one box from the following list MUST be selected. Complete the corresponding sections/tables and summarize data sources.

- The review area is comprised entirely of dry land (i.e., there are no waters or water features, including wetlands, of any kind in the entire review area). Rationale: N/A or describe rationale.
- There are “navigable waters of the United States” within Rivers and Harbors Act jurisdiction within the review area (complete table in Section II.B).
- There are “waters of the United States” within Clean Water Act jurisdiction within the review area (complete appropriate tables in Section II.C).
- There are waters or water features excluded from Clean Water Act jurisdiction within the review area (complete table in Section II.D).

B. Rivers and Harbors Act of 1899 Section 10 (§ 10)²

§ 10 Name	§ 10 Size	§ 10 Criteria	Rationale for § 10 Determination
N/A.	N/A.	N/A.	N/A.

C. Clean Water Act Section 404

Territorial Seas and Traditional Navigable Waters ((a)(1) waters): ³			
(a)(1) Name	(a)(1) Size	(a)(1) Criteria	Rationale for (a)(1) Determination
N/A.	N/A.	N/A.	N/A.

Tributaries ((a)(2) waters):			
(a)(2) Name	(a)(2) Size	(a)(2) Criteria	Rationale for (a)(2) Determination
N/A.	N/A.	N/A.	N/A.

Lakes and ponds, and impoundments of jurisdictional waters ((a)(3) waters):			
(a)(3) Name	(a)(3) Size	(a)(3) Criteria	Rationale for (a)(3) Determination
N/A.	N/A.	N/A.	N/A.

Adjacent wetlands ((a)(4) waters):			
(a)(4) Name	(a)(4) Size	(a)(4) Criteria	Rationale for (a)(4) Determination
Palustrine Wetlands	10.31 acre(s)	(a)(4) Wetland abuts an (a)(1)-(a)(3) water.	Palustrine wetlands abutting Diamond Lake, which discharges into the Cook Inlet through a palustrine wetland complex and tributaries that connects to the

¹ Map(s)/figure(s) are attached to the AJD provided to the requestor.

² If the navigable water is not subject to the ebb and flow of the tide or included on the District’s list of Rivers and Harbors Act Section 10 navigable waters list, do NOT use this document to make the determination. The District must continue to follow the procedure outlined in 33 CFR part 329.14 to make a Rivers and Harbors Act Section 10 navigability determination.

³ A stand-alone TNW determination is completed independently of a request for an AJD. A stand-alone TNW determination is conducted for a specific segment of river or stream or other type of waterbody, such as a lake, where upstream or downstream limits or lake borders are established. A stand-alone TNW determination should be completed following applicable guidance and should NOT be documented on the AJD Form.



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Adjacent wetlands ((a)(4) waters):			
(a)(4) Name	(a)(4) Size	(a)(4) Criteria	Rationale for (a)(4) Determination
			Little Susitna River, which in turn discharges into the Inlet.

D. Excluded Waters or Features

Excluded waters ((b)(1) – (b)(12)): ⁴			
Exclusion Name	Exclusion Size	Exclusion ⁵	Rationale for Exclusion Determination
(b)(1) Waters or water features that are not identified in paragraph (a)(1), (a)(2), (a)(3), or (a)(4).	0.24 acre(s)	(b)(1) Non-adjacent wetland.	A palustrine wetland separated from Diamond Lake by uplands. There are no streams connecting these wetlands to Diamond Lake or other jurisdictional waters.

III. SUPPORTING INFORMATION

A. Select/enter all resources that were used to aid in this determination and attach data/maps to this document and/or references/citations in the administrative record, as appropriate.

- Information submitted by, or on behalf of, the applicant/consultant: [Matsu Borough Map](#).
This information is **not** sufficient for purposes of this AJD.
Rationale: [Wetlands contained in the map were verified in the field on August 18, 2021.](#)
- Data sheets prepared by the Corps: [Three wetland delineation forms prepared by the Corps during field visit of August 18, 2021.](#)
- Photographs: [Aerial and Other: Photos taken during field wetland delineation.](#)
- Corps site visit(s) conducted on: [August 18, 2021.](#)
- Previous Jurisdictional Determinations (AJDs or PJDs): [N/A.](#)
- Antecedent Precipitation Tool: [provide detailed discussion in Section III.B.](#)
- USDA NRCS Soil Survey: [Soil Survey of Matanuska-Susitna Valley Area, Alaska](#)
- USFWS NWI maps: [Google Earth-KMZ layer](#)
- USGS topographic maps: [2011 contour layer from the Matsu Borough Mapper \(https://mapping.matsugov.us/Html5Viewer/index.html?viewer=MSB_Parcel_Viewer\)](#)

Other data sources used to aid in this determination:

Data Source (select)	Name and/or date and other relevant information
USGS Sources	N/A.
USDA Sources	GSSURGO KMZ
NOAA Sources	N/A.
USACE Sources	POA-2021-00390 JD MFR on file; POA-2017-00545-Marc Dobkowski Road Construction.
State/Local/Tribal Sources	N/A.
Other Sources	N/A.

⁴ Some excluded waters, such as (b)(2) and (b)(4), may not be specifically identified on the AJD form unless a requestor specifically asks a Corps district to do so. Corps districts may, in case-by-case instances, choose to identify some or all of these waters within the review area.

⁵ Because of the broad nature of the (b)(1) exclusion and in an effort to collect data on specific types of waters that would be covered by the (b)(1) exclusion, four sub-categories of (b)(1) exclusions were administratively created for the purposes of the AJD Form. These four sub-categories are not new exclusions, but are simply administrative distinctions and remain (b)(1) exclusions as defined by the NWPR.

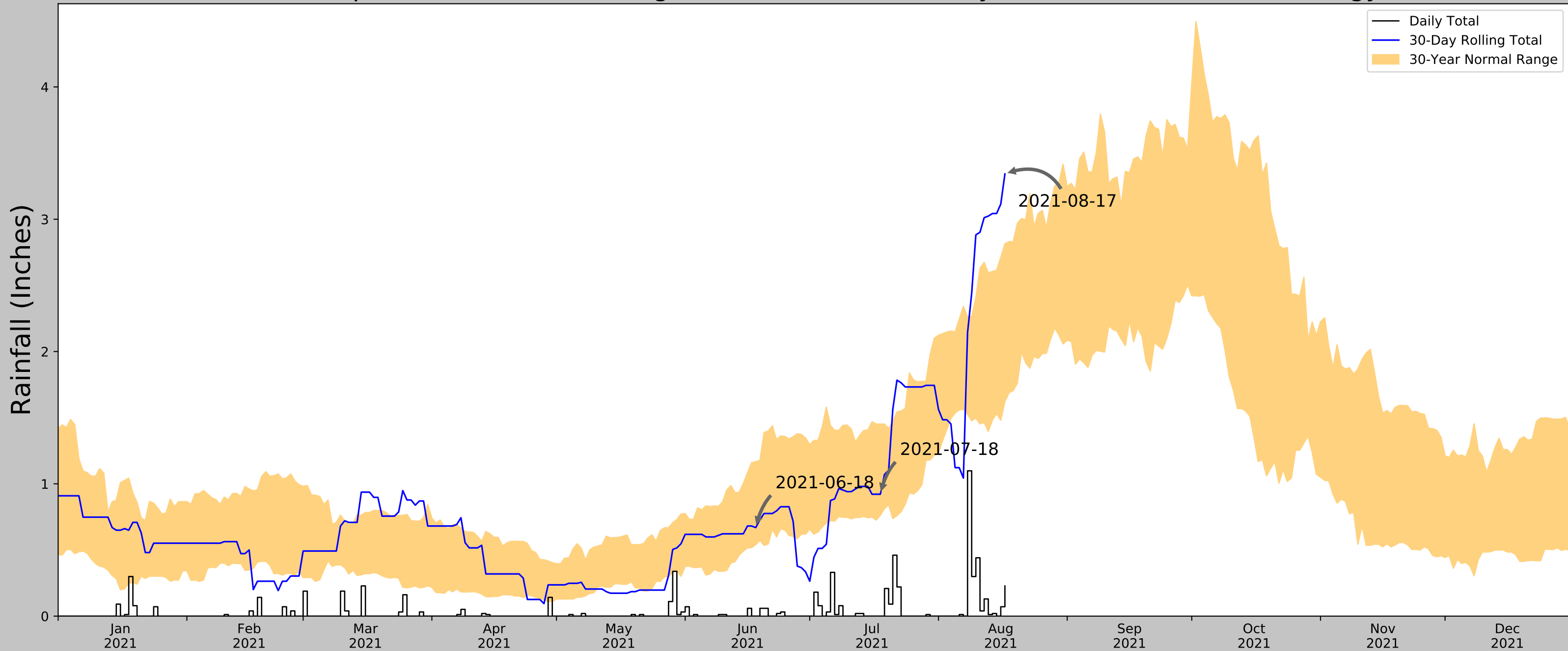


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- B. Typical year assessment(s):** APT analysis conducted by Andrew Gregory, USACE, on August 17, 2021. The dataset included 11 climatic stations indicates that the field work occurred during the dry season, but the analysis also showed that it has been wetter than normal (-15).
- C. Additional comments to support AJD:** Map attached shows the study area demarcated by a red polygon.



Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	61.507338, -150.018146
Observation Date	2021-08-17
Elevation (ft)	139.62
Drought Index (PDSI)	Not available
WebWIMP H ₂ O Balance	Dry Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2021-08-17	1.621654	2.814173	3.34252	Wet	3	3	9
2021-07-18	0.762598	1.451575	0.92126	Normal	2	2	4
2021-06-18	0.540157	1.167717	0.669291	Normal	2	1	2
Result							Wetter than Normal - 15

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days (Normal)	Days (Antecedent)
ANCHORAGE MERRILL FLD	61.2169, -149.855	138.123	20.782	1.497	9.383	8195	87
POINT MACKENZIE	61.4169, -150.0819	160.105	6.594	20.485	3.102	124	0
CAMP TOGOWOODS	61.495, -149.7572	140.092	8.645	0.472	3.894	1	0
HOUSTON	61.6311, -149.8011	270.013	11.14	130.393	6.466	1640	0
WHITES CROSSING	61.7067, -149.9978	270.013	13.791	130.393	8.004	1360	0
WILLOW 3.6 SE	61.6995, -149.9897	304.134	13.31	164.514	8.179	5	0
WILLOW WEST	61.7481, -150.0542	205.053	16.677	65.433	8.596	26	0
ELMENDORF AFB	61.25, -149.8	191.929	19.19	52.309	9.639	2	0
ANCHORAGE INTL AP	61.1689, -150.0278	120.079	23.386	19.541	10.981	0	1
ANCHORAGE FORECAST OFFICE	61.1561, -149.9847	130.906	24.294	8.714	11.144	0	1
ANCHORAGE 5.1 SSW	61.1502, -149.9593	90.879	24.753	48.741	12.345	0	1

Figure and tables made by the
Antecedent Precipitation Tool
Version 1.0

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