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): 09/28/2017

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: Alaska District, POA-2017-402

C. PROJECT LOCATION AND BACKGROUND INFORMATION: Borough: Juneau State: Alaska City: Juneau Center coordinates of site (lat/long in degree decimal format): Lat. 58.50563 ° N., Long. 134.76914 °W. Universal Transverse Mercator: NAD83 Name of nearest waterbody: Strawberry Creek Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: Favorite Channel Name of watershed or Hydrologic Unit Code (HUC): 1901030105 ⊠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: 09/28/2017 ⊠Field Determination. Date(s): 09/26/2017 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. [Required] ☐ 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: 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):1 ☐TNWs, including territorial seas ☐Wetlands adjacent to TNWs ⊠Relatively permanent waters² (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

¹ Boxes checked below shall be supported by completing the appropriate sections in Section III below.

² For purposes of this form an RPW is defined as a tributary that is not a TNW and that typically flows year-round or has continuous flow at least "seasonally" (e.g., typically 3 months.

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

Non-wetland waters: 1,784 linear feet.

Wetlands: 7 acres.

c. Limits (boundaries) of jurisdiction based on: 1987 Delineation Manual/Established by the OHWM Elevation of established OHWM (if known):

2. Non-regulated waters/wetlands (check if applicable):³

 \square Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional.

Explain:

SECTION III: CWA ANALYSIS

A. TNWs AND WETLANDS ADJACENT TO TNWs

The agencies will assert jurisdiction over TNWs and wetlands adjacent to TNWs. If the aquatic resource is a TNW, complete Section III.A.1 and Section III.D.1. only; if the aquatic resource is a wetland adjacent to a TNW, complete Sections III.A.1 and 2 and Section III.D.1.; otherwise, see Section III.B below.

1. TNW

Identify TNW:

Summarize rationale supporting determination:

2. Wetland adjacent to TNW

Summarize rationale supporting conclusion that wetland is "adjacent":

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

This section summarizes information regarding characteristics of the tributary and its adjacent wetlands, if any, and it helps determine whether or not the standards for jurisdiction established under *Rapanos* have been met.

The agencies will assert jurisdiction over non-navigable tributaries of TNWs where the tributaries are "relatively permanent waters" (RPWs), i.e. tributaries that typically flow year-round or have continuous flow at least seasonally (e.g., typically 3 months). A wetland that directly abuts an RPW is also jurisdictional. If the aquatic resource is not a TNW, but has year-round (perennial) flow, skip to Section III.D.2. If the aquatic resource is a wetland directly abutting a tributary with perennial flow, skip to Section III.D.4.

A wetland that is adjacent to but that does not directly abut an RPW requires a significant nexus evaluation. Corps districts and EPA regions will include in the record any available information that documents the existence of a significant nexus between a relatively permanent tributary that is not perennial (and its adjacent wetlands if any) and a traditional navigable water, even though a significant nexus finding is not required as a matter of law.

If the waterbody⁴ is not an RPW, or a wetland directly abutting an RPW, a JD will require additional data to determine if the waterbody has a significant nexus with a TNW. If the tributary has adjacent wetlands, the significant nexus evaluation must consider the tributary in combination with all of its adjacent wetlands. This significant nexus evaluation that combines, for analytical purposes, the tributary and all of its adjacent wetlands is used whether the review area identified in the JD request is the tributary, or its adjacent wetlands, or both. If the JD covers a tributary with adjacent wetlands, complete Section III.B.1 for the tributary, Section III.B.2 for any onsite wetlands, and Section III.B.3 for all wetlands adjacent to that tributary, both onsite and offsite. The determination whether a significant nexus exists is determined in Section III.C below.

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

(i) General Area Conditions:

³ Supporting documentation is presented in Section III F.

A Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally and in the arid West.

Watershed size: Drainage area:
Average annual rainfall: inches Average annual snowfall: inches (ii) Physical Characteristics: (a) Relationship with TNW: □ Tributary flows directly into TNW. □ Tributary flows through tributaries before entering TNW.
Project waters are river miles from TNW. Project waters are river miles from RPW. Project waters are aerial (straight) miles from TNW. Project waters are aerial (straight) miles from RPW. Project waters cross or serve as state boundaries. Explain:
Identify flow route to TNW ⁵ : Tributary stream order, if known:
(b) General Tributary Characteristics (check all that apply): Tributary is: □ Natural □ Artificial (man-made). Explain: □ Manipulated (man-altered). Explain:
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: □Other. Explain:
Tributary condition/stability [e.g., highly eroding, sloughing banks]. Explain: Presence of run/riffle/pool complexes. Explain: Tributary geometry: Tributary gradient (approximate average slope): %
(c) Flow: Tributary provides for: Estimate average number of flow events in review area/year: Describe flow regime: Other information on duration and volume: Surface flow is: Characteristics: Subsurface flow: Explain findings: □ Dye (or other) test performed:
Tributary has (check all that apply): ☐Bed and banks

⁵ Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.

\Box OHWM ⁶ (check all indicators that apply):	
□clear, natural line impressed on the bank	☐ the presence of litter and debris
□ changes in the character of soil	☐ destruction of terrestrial vegetation
□shelving	☐ the presence of wrack line
□vegetation matted down, bent, or absent	□ sediment sorting
□leaf litter disturbed or washed away	□scour
□ sediment deposition	multiple observed or predicted flow events
□ water staining	□ abrupt change in plant community
□other (list):	actual change in plant community
□Discontinuous OHWM. ⁷ Explain:	
Discontinuous Offwivi. Explain.	
If factors other than the OHWM were used to determin apply):	e lateral extent of CWA jurisdiction (check all that
☐ High Tide Line indicated by:	☐ Mean High Water Mark indicated by:
□oil or scum line along shore objects	□survey to available datum;
☐ fine shell or debris deposits (foreshore)	□physical markings;
□physical markings/characteristics	□ vegetation lines/changes in vegetation types.
□tidal gauges	= regetation integrating of in regetation types.
□other (list):	
Louier (1130).	
Characterize tributary (e.g., water color is clear, discolored, oily characteristics, etc.). Explain: Identify specific pollutants, if known: (iv) Biological Characteristics. Channel supports (check all that	apply):
Characteristics of wetlands adjacent to non-TNW that flow direction (i) Physical Characteristics:	ctly or indirectly into TNW
(a) General Wetland Characteristics:	
Properties: Wetland size: acres	
Wetland type. Explain:	
Wetland quality. Explain:	
Project wetlands cross or serve as state boundaries. Explain:	
(b) General Flow Relationship with Non-TNW:	
Flow is: Choose an item. Explain:	
Surface flow is:	
Characteristics:	
Subsurface flow: Explain findings:	
\Box Dye (or other) test performed:	

2.

⁶ A natural or man-made discontinuity in the OHWM does not necessarily server jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break.

⁷ Ibid.

		y Determination with Nor	n-TNW:	
	☐Directly abutting	•		
	□Not directly abut	_		
		and hydrologic connection	n. Explain:	
	ū	nnection. Explain:		
	☐ Separated by b	perm/barrier. Explain:		
	(d) Proximity (Relation	nship) to TNW		
		e river miles from TNW.		
		nerial (straight) miles from	n TNW.	
	Flow is from:			
	Estimate approxima	ate location of wetland as	within the. floodplain.	
	(ii) Chemical Characteri	stics:		
			s clear, brown, oil film on surface;	water quality; general watershed
	characteristics; etc.). E			
	Identify specific pollute	ants, if known:		
	(iii) Biological Character	ristics. Wetland support	ts (check all that apply):	
	☐Riparian buffer. Cha	aracteristics (type, averag	e width):	
	□Vegetation type/perc	cent cover. Explain:		
	☐ Habitat for:			
	☐Federally List	ed species. Explain findi	ngs:	
	□Fish/spawn are	eas. Explain findings:		
	☐Other environ	mentally-sensitive species	s. Explain findings:	
		ife diversity. Explain find	-	
3.	Characteristics of all wet	lands adjacent to the tri	hutow (if any)	
٠.		nsidered in the cumulative		
			red in the cumulative analysis.	
	ripproximatery () deres i	in total are being consider	ed in the cumulative analysis.	
	For each wetland, specif	fy the following:		
	Directly abuts? (Y/N)	Size (in acres)	Directly abuts? (Y/N)	Size (in acres)
	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:

C. SIGNIFICANT NEXUS DETERMINATION

A significant nexus analysis will assess the flow characteristics and functions of the tributary itself and the functions performed by any wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical, and biological integrity of a TNW. For each of the following situations, a significant nexus exists if the tributary, in combination with all of its adjacent wetlands, has more than a speculative or insubstantial effect on the chemical, physical and/or biological integrity of a TNW. Considerations when evaluating significant nexus include, but are not limited to the volume, duration, and frequency of the flow of water in the tributary and its proximity to a TNW, and the functions performed by the tributary and all its adjacent wetlands. It is not appropriate to determine significant nexus based solely on any specific threshold of distance (e.g. between a tributary and its adjacent wetland or between a tributary and the TNW). Similarly, the fact an adjacent wetland lies within or outside of a floodplain is not solely determinative of significant nexus.

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:
- 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:
- 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:

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

indirectly into TNWs. where tributaries typically flow year-round are jurisdictional. Provide data and rationale is perennial: Near its mouth, Strawberry Creek ranges from 4 to 6 feet wide. In the lower is over 3 feet deep in many areas. The numerous small feeder streams are 1 to 3 feet wide and awberry Creek has populations of coho, sockeye, and pink salmon, Dolly Varden, and tabitat in Strawberry Creek is of excellent quality and is found throughout the system. In the forested hillside sections of the four branches. Stream gradient increases in the ain branches, where most spawning habitat is located. The lower creek provides several deep arger beaver pond system) that are used by adult salmon for holding and ripening. There tributaries have continuous flow "seasonally" (e.g., typically three months each year) are corting this conclusion is provided at Section III.B. Provide rationale indicating that tributary are set for jurisdictional waters in the review area (check all that apply): ers: 1,784 linear feet. Itland waters: acres. Set type(s) of waters: Itly or indirectly into TNWs. We or an RPW, but flows directly or indirectly into a TNW, and it has a significant nexus with	1. TNWs and Adjacent Wetlands. Check all that apply and provide size estimates in review area:
indirectly into TNWs. where tributaries typically flow year-round are jurisdictional. Provide data and rationale is perennial: Near its mouth, Strawberry Creek ranges from 4 to 6 feet wide. In the lower is over 3 feet deep in many areas. The numerous small feeder streams are 1 to 3 feet wide and awberry Creek has populations of coho, sockeye, and pink salmon, Dolly Varden, and habitat in Strawberry Creek is of excellent quality and is found throughout the system. In the forested hillside sections of the four branches. Stream gradient increases in the ain branches, where most spawning habitat is located. The lower creek provides several deep arger beaver pond system) that are used by adult salmon for holding and ripening. There tributaries have continuous flow "seasonally" (e.g., typically three months each year) are corting this conclusion is provided at Section III.B. Provide rationale indicating that tributary tes for jurisdictional waters in the review area (check all that apply): ers: 1,784 linear feet. tland waters: acres. fy type(s) of waters: tly or indirectly into TNWs. W or an RPW, but flows directly or indirectly into a TNW, and it has a significant nexus with	\Box TNWs: linear feet width (ft), Or, acres.
where tributaries typically flow year-round are jurisdictional. Provide data and rationale is perennial: Near its mouth, Strawberry Creek ranges from 4 to 6 feet wide. In the lower is over 3 feet deep in many areas. The numerous small feeder streams are 1 to 3 feet wide and awberry Creek has populations of coho, sockeye, and pink salmon, Dolly Varden, and sabitat in Strawberry Creek is of excellent quality and is found throughout the system. In the forested hillside sections of the four branches. Stream gradient increases in the ain branches, where most spawning habitat is located. The lower creek provides several deep arger beaver pond system) that are used by adult salmon for holding and ripening. There tributaries have continuous flow "seasonally" (e.g., typically three months each year) are sorting this conclusion is provided at Section III.B. Provide rationale indicating that tributary are feet. In the review area (check all that apply): The rest of the feet	☐Wetlands adjacent to TNWs: acres.
s perennial: Near its mouth, Strawberry Creek ranges from 4 to 6 feet wide. In the lower is over 3 feet deep in many areas. The numerous small feeder streams are 1 to 3 feet wide and awberry Creek has populations of coho, sockeye, and pink salmon, Dolly Varden, and tabitat in Strawberry Creek is of excellent quality and is found throughout the system. In the forested hillside sections of the four branches. Stream gradient increases in the ain branches, where most spawning habitat is located. The lower creek provides several deep arger beaver pond system) that are used by adult salmon for holding and ripening. There tributaries have continuous flow "seasonally" (e.g., typically three months each year) are sorting this conclusion is provided at Section III.B. Provide rationale indicating that tributary are for jurisdictional waters in the review area (check all that apply): The series of the lower creek provides are series areas. The series of the review area (check all that apply): The series of the lower creek provides are series areas. The series of the series	2. RPWs that flow directly or indirectly into TNWs.
ers: 1,784 linear feet. tland waters: acres. fy type(s) of waters: tly or indirectly into TNWs. W or an RPW, but flows directly or indirectly into a TNW, and it has a significant nexus with	☑Tributaries of TNWs where tributaries typically flow year-round are jurisdictional. Provide data and rationale indicating that tributary is perennial: Near its mouth, Strawberry Creek ranges from 4 to 6 feet wide. In the lower muskeg area, the stream is over 3 feet deep in many areas. The numerous small feeder streams are 1 to 3 feet wide and up to 2 1/2 feet deep. Strawberry Creek has populations of coho, sockeye, and pink salmon, Dolly Varden, and cutthroat trout. Rearing habitat in Strawberry Creek is of excellent quality and is found throughout the system. Spawning habitat is found in the forested hillside sections of the four branches. Stream gradient increases in the headwaters of the four main branches, where most spawning habitat is located. The lower creek provides several deep pools (the remains of a larger beaver pond system) that are used by adult salmon for holding and ripening. ☐ 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:
tland waters: acres. fy type(s) of waters: tly or indirectly into TNWs. W or an RPW, but flows directly or indirectly into a TNW, and it has a significant nexus with	Provide estimates for jurisdictional waters in the review area (check all that apply): Tributary waters: 1.784 linear feet.
fy type(s) of waters: tly or indirectly into TNWs. W or an RPW, but flows directly or indirectly into a TNW, and it has a significant nexus with	•
W or an RPW, but flows directly or indirectly into a TNW, and it has a significant nexus with	Identify type(s) of waters:
	3. Non-RPWs ⁸ 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: 1,784 linear feet. ☐ Other non-wetland waters: acres. Identify type(s) of waters: 3. Non-RPWs⁸ 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 water a TNW is jurisdictional. Data supporting this conclusion is provided at Section III.C.

☐ Tributary waters: linear feet width (ft). ☐ Other non-wetland waters: acres. Identify type(s) of waters:
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: Strawberry Creek is an extensive network of small channels draining an area of approximately 3 square miles. Strawberry Creek is a tributary of the Herbert River and enters the river about 1/4 mile above its confluence with the Eagle River. The system generally has a very low gradient and has four main branches draining the ridge east of Glacier Highway. The entire system is characterized by numerous small tributaries draining the extensive meadows and muskegs through which it flows.
☐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:
Provide acreage estimates for jurisdictional wetlands in the review area: 7 acres.
5. Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs. \[\textsup 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. 9 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): 10 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:
Identify water body and summarize rationale supporting determination:

 $^{^{9}\ \}text{To}$ complete the analysis refer to the key in Section III D.6 of the Instructional Guidebook.

¹⁰ Prior to asserting or declining CWA jurisdiction based solely on this category, Corps Districts will elevate the action to Corps and EPA HQ for review consistent with the process described in the Corps/EPA *Memorandum Regarding CWA Jurisdiction Following Rapanos*.

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:	
□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.	
\Box 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).	
\square Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction. Explain:	
☐Other: (explain, if not covered above):	
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 be professional judgment (check all that apply):	est
□Non-wetland waters (i.e., rivers, streams): linear feet width (ft).	
□Lakes/ponds: acres.	
□Other non-wetland waters: acres. List type of aquatic resource:	
□Wetlands: 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:	
□Wetlands: acres.	
□ Wettalius, 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:	
□ 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: Field Inspection 09/26/2017	
□ Corps navigable waters' study:	
☐ 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: Juneau B3 & C4, 63K	
□ USDA Natural Resources Conservation Service Soil Survey. Citation:	
□ National wetlands inventory map(s). Cite name:	
☐ State/Local wetland inventory map(s):	
□ FEMA/FIRM maps:	
□ 100-year Floodplain Elevation is: (National Geodectic Vertical Datum of 1929)	

\square Previous determination(s). File no. and date of response letter:
☐ Applicable/supporting case law:
☐ Applicable/supporting scientific literature:
☐Other information (please specify):

B. ADDITIONAL COMMENTS TO SUPPORT JD: