

Project #22-104-4  
**FWA BLAIR LAKES RECONFIGURATION**

**Addendum #1**

November 22, 2022



**SALCHA-DELTA SOIL AND WATER CONSERVATION DISTRICT**

P.O. Box 547  
DELTA JUNCTION, AK 99737  
(907) 895-6279  
FAX: (907) 895-6278

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Questions and Answers:

- 1.) Question- Section 100 Summary of Proposal 100 - 1.01 (Page 3) Proposal Description states "Shear blade or Hydro Axe 125 acres." Section 201 Clearing 201 - 3.02 (page 57) states "choice of equipment to perform satisfactory work shall be the responsibility of the contractor." Please clarify if **shear blade** or **hydro axe** must be used?

Answer: 100-1.01 is a general description. Section 201-3.02 CLEARING supersedes the general description. The Contractor shall be responsible accomplishing the clearing as defined in 201-3.02. It is the Contractors responsibility to determine their means and methods. Multiple methods of clearing may be required to accomplish this contract. The contractor is not limited to only a shear blade or hydro axe.

- 2.) There are multiple river, stream, and slough crossings in this project. Will ice bridges need to be constructed?

Answer: The Contractor will be required to adhere to the Army's Fish Habitat Permit FH11-III-0007-Amendment 5. A copy of the fish habitat permit is attached to this Addendum. A map with crossing locations will come out in the next addendum.

- 3.) The quantity states 125.25 acres of clearing in the description and the proposal sheet. The map given states everything is in miles, and I come up with 125.29 miles of trail. Are we bidding on 125.25 acres or 125.29 miles of trail at 20ft. wide?

Answer: 100-1.01 should read "... approximately 303.6 acres..." See Revised Proposal Sheet. There is 125.25 miles of trail 20' wide.

- 4.) We have been given the option to complete the clearing with either a shear blade or a Hydro axe. While using the shear blading method in the past, it has been our experience that shearing small brush and willows down to the duff is nearly impossible without tearing up the layer duff and roots. Will the contractor be required to go over any small brush left over from shear blading with a hydro axe to meet specs?

Answer: See Question #1.

- 5.) If a root wad does come out. What onsite material is the contractor allowed to use to fill the hole?

Answer: There is no designated onsite material. It will be the responsibility of the Contractor to repair the hole at no cost to the SDSWCD.

- 6.) Is the project map on Page 65 in acres or miles.

Answer: The units on the project map of page 65 are in Miles.

REVISED PROPOSAL SHEET

**Proposal Due:** Thursday, December 01, 2022 @ 10:00 am

**Project Number:** 22-104-4

**Project Name:** FWA BLAIR LAKES RECONFIGURATION

**Contractor Company:** \_\_\_\_\_

**Representative Name:** \_\_\_\_\_

**Contact Phone number:** \_\_\_\_\_

**E-mail:** \_\_\_\_\_

Item Description	Unit	Quantity	Total Price
201.0001 - Clearing	Acre	303.6	
640.0001 Mobilization and Demobilization	Lump Sum	All Required	

**TOTAL PROPOSAL PRICE**      \$ \_\_\_\_\_

**Addendum 1 Received:** \_\_\_\_\_ (initial)

**Addendum 2 Received:** \_\_\_\_\_ (initial)

**Submitted by:** \_\_\_\_\_ **Date:** \_\_\_\_\_

NOTE: Do not submit more than one proposal. Multiple proposals will be marked non-responsive and not accepted. If you need to withdraw or re-submit a corrected proposal, you must use the **Proposal Withdrawal Request** form, see Attachment A.



**FISH HABITAT PERMIT**  
**FH11-III-0007-AMENDMENT 5**

ISSUED: February 16, 2022  
EXPIRES: December 31, 2025

Tim Sponseller, Director  
U.S. Army Alaska Fort Wainwright  
Directorate of Public Works  
1046 Marks Street  
Fort Wainwright, AK 99703

RE: Ice Bridge Construction, Maintenance, and Use; and Associated Water Withdrawals

**Main Post**

Chena River (Stream No. 334-40-11000-2490-3301)

**Tanana Flats Training Area (TFTA)**

Tanana River (Stream No. 334-40-11000-2490)

Salchaket Slough (Stream No. 334-40-11000-2490-3290)

Clear Creek (Stream No. 334-40-11000-2490-3290-4010)

Clear Creek tributary (Stream No. 334-40-11000-2490-3290-4010-5050)

McDonald Creek (Stream No. 334-40-11000-2490-3290-4020)

Bear Creek (Stream No. 334-40-11000-2490-3290-4020-5011)

Salchaket Slough side channel (Stream No. 334-40-11000-2490-3290-4030)

Little Salchaket Slough

Dry Creek

Rigney Creek

Beaver Pond Creek

**Donnelly Training Area (DTA)**

Delta River

Jarvis Creek

Ober Creek

Unnamed Creek – west of Ober Creek

Delta Creek

100 Mile Creek

Dead Horse Creek

Gold Pan Creek

Arctic Creek East Fork

Arctic Creek West Fork

Kiana Creek East Fork  
Kiana Creek West Fork  
Location coordinates (NAD83): 63.8461 N, 145.6881 W to 64.8454 N, 147.6364 W

Dear Tim Sponseller:

Pursuant to AS 16.05.871(b) (Anadromous Fish Act) and AS 16.05.841 (Fishway Act), the Alaska Department of Fish and Game (ADF&G), Habitat Section, has reviewed your request to authorize additional ice bridge locations used by the United States Army in the Fort Wainwright Main Post, the Tanana Flats Training Area (TFTA) and the Donnelly Training Area (DTA). We received your application by email on February 14, 2022.

This Fish Habitat Permit supersedes and rescinds permits FH11-III-007, FH11-III-007-Amendment 1, FH11-III-007-Amendment 2, FH11-III-007-Amendment 3, and FH11-III-007-Amendment 4.

### **Project Description**

The U.S. Army Garrison Alaska Fort Wainwright installs, maintains, and uses a variety of ice bridge crossings of water bodies each winter in support of activities in the TFTA and DTA. Test holes are drilled prior to construction to determine thickness of the ice; snow is removed until eight inches of ice are obtained; then ice ramps are constructed by increasing ice thickness to 50 inches. Snow and ice are added and frozen to form approach ramps. Water will be withdrawn from the respective water bodies at rates of less than 100 gallons per minute with portable pumps, and used to increase ice thickness and solidify ice ramps.

This amendment authorizes additional ice bridge crossings at two locations on Jarvis Creek, two locations on Ober Creek, and one crossing on an unnamed creek approximately 2,500 feet west of Ober Creek.

### **Anadromous Fish Act**

The reaches of the Chena River, Tanana River, Salchaket Slough, Salchaket Slough side channel, Clear Creek, Clear Creek tributary, McDonald Creek, and Bear Creek crossed by these ice bridges have been specified as being important for the spawning, rearing, or migration of anadromous fishes pursuant to AS 16.05.871(a). Chinook, chum, and coho salmon use reaches of these water bodies for spawning, rearing, and migration. Resident fish species (including Arctic grayling, northern pike, and slimy sculpin) occur in these water bodies and in portions of Little Salchaket Slough, Dry Creek, Delta River, Jarvis Creek, Delta Creek, 100 Mile Creek, Ober Creek, and other water bodies crossed by these ice bridges. Your project as proposed should not have adverse effects on anadromous fish or their habitat and should not obstruct the free passage of fish.

In accordance with AS 16.05.871(d) and AS 16.05.841, project approval is hereby given subject to the project description above with the following stipulations:

- 1) Winter stream crossings with equipment and ATVs shall occur in shallow areas where the ice is naturally frozen to the streambed or in areas where ice thickness is adequate to support equipment. Equipment shall not enter open water during winter. Any ice/snow bridges and approach ramps constructed at stream crossings of any definable stream must be substantially free of extraneous material (such as soil, rock, wood, or vegetation). Constructed ice and snow bridges shall be breached or fractured prior to spring breakup so that their breakup rate approximates that of a normal occurrence.
- 2) Each water intake structure shall be designed to prevent the intake, impingement, and/or entrapment of fish. The effective screen openings may not exceed 0.25 inches (1/4 inch). To reduce fish impingement on screened surfaces, water velocity at the screen/water interface shall not exceed 0.5 feet per second when the pump is operating. In the Chena and Tanana rivers, intakes shall be placed midway between the streambed and the bottom of the ice to minimize the impingement and/or entrainment of fish.

*Note: For detailed information regarding screened intake device design please consult our webpage (<http://www.adfg.alaska.gov/index.cfm?adfg=uslicense.withdrawal>) and Technical Report No. 97-8 ([http://www.adfg.alaska.gov/static/license/uslicense/pdfs/97\\_08.pdf](http://www.adfg.alaska.gov/static/license/uslicense/pdfs/97_08.pdf)). You may contact our office for additional assistance.*

For crossings of specified anadromous water bodies, the following additional stipulations also apply:

- 3) Adequate flow must remain to support fish and to provide for their free movement, both upstream and downstream.
- 4) Alterations of the streambanks of the waterbody are prohibited. Breaching and fracturing of constructed ice and snow bridges shall be done in such a manner that vegetated areas, stream banks, and the streambed are not disturbed.

### **Permit Terms**

This letter constitutes a permit issued under the authority of AS 16.05.871 and must be retained on site during project activities. Please be advised that this determination applies only to activities regulated by the Habitat Section of ADF&G; other agencies also may have jurisdiction under their respective authorities. This determination does not relieve you of your responsibility to secure other permits; state, federal, or local. You are still required to comply with all other applicable laws.

You are responsible for the actions of contractors, agents, or other persons who perform work to accomplish the approved project. For any activity that significantly deviates from the approved plan, you shall notify the ADF&G Habitat Section and obtain written approval in the form of a

permit amendment before beginning the activity. Any action that increases the project's overall scope or that negates, alters, or minimizes the intent or effectiveness of any provision contained in this permit will be deemed a significant deviation from the approved plan. The final determination as to the significance of any deviation and the need for a permit amendment is the responsibility of the ADF&G Habitat Section. Therefore, it is recommended that you consult the Habitat Section before considering any deviation from the approved plan.

You shall give an authorized representative of the state free and unobstructed access to the permit site, at safe and reasonable times, for the purpose of inspecting or monitoring compliance with any provision of this permit. You shall furnish whatever assistance and information the authorized representative reasonably requires for monitoring and inspection purposes. In addition to the penalties provided by law, this permit may be terminated or revoked for failure to comply with its provisions or failure to comply with applicable statutes and regulations. You shall mitigate any adverse effect upon fish or wildlife, their habitats, or any restriction or interference with public use that the commissioner determines was a direct result of your failure to comply with this permit or any applicable law.

You shall indemnify, save harmless, and defend the department, its agents, and its employees from any and all claims, actions, or liabilities for injuries or damages sustained by any person or property arising directly or indirectly from permitted activities or your performance under this permit. However, this provision has no effect if, and only if, the sole proximate cause of the injury is the department's negligence.

You may appeal this permit decision relating to AS 16.05.871 in accordance with the provisions of AS 44.62.330-630.

Please direct questions about this permit to Habitat Biologist Olivia Edwards at (907) 459-7326 or [olivia.edwards@alaska.gov](mailto:olivia.edwards@alaska.gov).

Sincerely,  
Doug Vincent-Lang, Commissioner



BY: Audra L. J. Brase, Regional Supervisor  
Habitat Section  
Alaska Department of Fish and Game

Enclosure – detailed list of stream crossings in the TFTA & DFA

ecc: Al Ott, ADF&G Habitat, Fairbanks  
Dan Rees, USAG DPW, Ft. Wainwright  
Andy Gryska, ADF&G SF, Fairbanks

Brandy Baker, ADF&G SF, Delta Junction  
Permit Coordinator, ADF&G SF  
Christine Gleason, ADF&G CF, Fairbanks  
Dianna Leinberger, ADNR, Fairbanks  
Tim Pilon, ADEC, Fairbanks  
Bob Henszey, USFWS, Fairbanks  
NOAA Fisheries, Anchorage  
Ellen Lyons, USACE, Location  
AWT, Northern Detachment, Fairbanks

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## TANANA FLATS TRAINING AREA

NAME	AWC *	FH PERMIT	NAD83 LAT, LONG	PLSS LOCATION Section(s)	MTR	USGS QUAD
<b><i>1. Tanana River</i></b>						
A. Bridge #1, Goose Island	Y	Renewal	64.782371, -147.710435	26, 27, 34 & 35	F001S001W	Fairbanks D-2
B. Bridge #2	Y	Renewal	64.759456, -147.527373	2, 3 & 10	F002S001E	Fairbanks D-1
C. Bridge #3, Boundary Slough	Y	FH14-III-0091-1	64.545935, -147.086663	23	F004S003E	Fairbanks C-1
D. Bridge #4, Beebee Slough	Y	FH14-III-0091-1	64.543261, -147.090097	26	F004S003E	Fairbanks C-1
E. Bridge #5, Flag Hill	Y	Renewal	64.401264, -146.976071	8, 9, 16 & 17	F006S004E	Big Delta B-6
<b><i>2. McDonald Creek</i></b>	Y	Renewal	64.646672, -147.485746	14 & 23	F003S001E	Fairbanks C-1
<b><i>3. West Salchaket Slough</i></b>						
A. Bridge #1, Little Salchaket Sl	N	Renewal	64.740906, -147.716965	15	F002S001W	Fairbanks D-2
B. Bridge #2	Y	Renewal	64.737123, -147.720418	15	F002S001W	Fairbanks D-2
<b><i>4. Salchaket Slough</i></b>						
A. Bridge #3, North Channel	Y	Renewal	64.729586, -147.516953	22	F002S001E	Fairbanks D-2
B. Bridge #4, Middle Channel	Y	Renewal	64.706721, -147.520772	27	F002S001E	Fairbanks D-2
C. Bridge #5, Bear Creek	Y	Renewal	64.699863, -147.522476	34	F002S001E	Fairbanks D-2
<b><i>4. Clear Creek</i></b>						
A. Bridge #1	Y	Renewal	64.673651, -147.780221	8	F003S001W	Fairbanks C-2
B. Bridge #2	Y	Renewal	64.664847, -147.774424	9	F003S001W	Fairbanks C-2
C. Bridge #3	Y	Renewal	64.644729, -147.758472	21	F003S001W	Fairbanks C-2
C. Bridge #4	Y	Renewal	64.544568, -147.610244	29 & 30	F004S001E	Fairbanks C-2
D. Bridge #5	Y	Renewal	64.450096, -147.585113	29	F005S001E	Fairbanks B-2
E. Bridge #6	Y	Renewal	64.450601, -147.598199	29	F005S001E	Fairbanks B-2

**5. Dry Creek**

A. Bridge #1	N	Renewal	64.484665, -147.391662	17	F005S002E	Fairbanks D-2
B. Bridge #2	N	Renewal	64.436524, -147.357752	33	F005S002E	Fairbanks D-2
C. Bridge #3	N	Renewal	64.371129, -147.295519	26	F006S002E	Fairbanks B-1
D. Bridge #4	N	Renewal	64.354341, -147.305209	35	F006S002E	Fairbanks B-1

**6. Rigney Creek**

N	Renewal	64.434646, -147.648368	36	F005S001W	Fairbanks B-2
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**7. Beaver Pond Creek**

N	Renewal	64.443770, -147.635139	31	F005S001E	Fairbanks B-2
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\* Specified in the ADF&G Anadromous Waters Catalog

## DONNELLY TRAINING AREA

NAME	AWC *	FH PERMIT	NAD83 LAT, LONG	PLSS LOCATION Section(s)	MTR	USGS QUAD
<b>8. Delta River</b>	N	Renewal	63.988070, -145.787537	3 & 4	F011S010E	Mt. Hayes D-4
<b>9. Jarvis Creek</b>						
A. Bridge #1	N	Renewal	63.988676, -145.695100	1	F011S010E	Mt. Hayes D-4
B. Bridge #2	N	Renewal	63.846092, -145.688129	25	F011S010E	Mt. Hayes D-4
C. Bridge #3	N	New	63.8019, -145.6793	7	F013S011E	
D. Bridge #4	N	New	63.7826, -145.6672	17	F013S011E	
<b>10. Delta Creek</b>	N	Renewal	64.095172, -146.394520	33	F009S007E	Big Delta A-5
<b>11. Dead Horse Creek</b>	N	Renewal	63.935756, -146.596725	28	F011S006E	Mt. Hayes D-6
<b>12. Gold Pan Creek</b>						
A. Bridge #1	N	Renewal	63.903052, -146.596114	4	F012S006E	Mt. Hayes D-6
B. Bridge #2	N	Renewal	63.850789, -146.569409	28	F012S006E	Mt. Hayes D-6
<b>13. Arctic Creek East Fork</b>	N	Renewal	64.069447, -146.466733	6 1	F010S007E F010S006E	Big Delta A-5
<b>14. Arctic Creek West Fork</b>						
A. Bridge #1	N	Renewal	64.077612, -146.499176	1 & 2	F010S006E	Big Delta A-5
B. Bridge #2	N	Renewal	64.079399, -146.502117	2	F010S006E	Big Delta A-5
<b>15. Kiana Creek East Fork</b>	N	Renewal	64.114116, -146.556349	22	F009S006E	Big Delta A-6
<b>16. Kiana Creek West Fork</b>	N	Renewal	64.1295, -146.5698	16	F009S006E	Big Delta A-6

<b>17. 100 Mile Creek</b>	N	Renewal	64.0173, -146.2671	30	F010S008E	Big Delta A-5
<b>18. Ober Creek</b>						
A. Bridge #1	N	New	63.8050, -145.6905	7	F013S011E	
B. Bridge #2	N	New	63.7798, -145.7207	24	F013S010E	
<b>19. Unnamed Creek</b> <i>(2,500 ft west of Ober Crk)</i>	N	New	63.7818, -145.7353	13	F013S010E	

\* Specified in the ADF&G Anadromous Waters Catalog