



## **FISH HABITAT PERMIT**

**FH22-III-0123**

ISSUED: May 24, 2022

EXPIRES: Upon Removal of Structures

Graphite One (Alaska)  
PO Box 240781  
Anchorage, Alaska 99524

RE: Environmental Research  
Graphite and Glacier Canyon Creeks  
Section 21&22, T 005S, R 034W, KRM (Teller A-2 Quad)  
Location: 65.0371 N, 165.55267 W

Dear David Brailey:

Pursuant to AS 16.05.841 (Fishway Act), the Alaska Department of Fish and Game (ADF&G) Habitat Section has reviewed your proposal to place four stream gaging stations on Graphite and Glacier Canyon Creeks. We received your application materials on May 20, 2022.

### **Project Description**

You will install four semi-permanent stream gaging stations on Graphite and Glacier Canyon creeks, two on each creek. At each site, one steel well point will be driven into the streambed near the shore and bolted to bedrock or large boulders. This well point will be instrumented with a vented pressure transducer and connected with conduit to a steel enclosure location above the ordinary high-water line. Discharge will be measured periodically using a current meter or dye dilution. The dye, uranine, was rated as toxicologically safe for human exposure by the United States Environmental Protection Agency up to 2 mg/L for 24-hour exposure. Maximum dye concentration for this project will be below 0.5 mg/L with exposure duration less than 30 minutes. The gaging stations are anticipated to remain in place through 2030.

### **Fishway Act**

Graphite and Glacier Canyon creeks likely support resident fish such as Arctic grayling, Alaska blackfish, and/or slimy sculpin. Your project as proposed should not obstruct the free passage of fish.

In accordance with AS 16.05.841, your project is approved subject to the project description and permit terms, with the following stipulation:

1. Stream gage sites shall be monitored during periods of high flow and spring break up; and inspected at least once per year to ensure the instruments are not washed downstream. Upon completion of the project, all gage station materials will be removed from the sites.

### **Permit Terms**

This letter constitutes a permit issued under the authority of AS 16.05.841 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.

Please direct questions about this permit to Habitat Biologist Olivia Edwards at 907-459-7326 or olivia.edwards@alaska.gov.

Sincerely,  
Doug Vincent-Lang  
Commissioner



By: Audra L. J. Brase  
Fairbanks Regional Supervisor

ecc: Al Ott, ADF&G Habitat, Fairbanks  
Brendan Scanlon, ADF&G SF, Fairbanks  
Permit Coordinator, ADF&G SF  
Dianna Leinberger, ADNR, Fairbanks  
Tim Pilon, ADEC, Fairbanks  
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AWT Northern Detachment

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