



FISH HABITAT PERMITS

FH20-I-0055, FH20-I-0056, FH20-I-0057, and FH20-I-0058

ISSUED: December 16, 2020

EXPIRES: February 28, 2025

Christopher Wallace
Permitting and Environmental Compliance Coordinator
Hecla Greens Creek Mining Company
P.O. Box 32199
Juneau, AK 99803-2199

RE: Water Withdrawal (FH20-I-0055)
Zinc Creek
Section 35, T 43 S, R 65 E, CRM (Juneau A3 Quad)
Location: 58.0909 N, 134.7366 W

Water Withdrawal (FH20-I-0056)
Lil' Sore Creek
Section 18, T 43 S, R 66 E, CRM (Juneau A3 Quad)
Location: 58.1482 N, 134.6961 W

Water Withdrawal (FH20-I-0057)
East Lil' Sore Creek
Section 18, T 43 S, R 66 E, CRM (Juneau A3 Quad)
Location: 58.1481 N, 134.6904 W

Water Withdrawal (FH20-I-0058)
Fulto Creek
Section 13, T 43 S, R 65 E, CRM (Juneau A3 Quad)
Location: 58.1423 N, 134.7126 W

Dear Mr. Wallace:

Pursuant to the Fishway Act at AS 16.05.841, the Alaska Department of Fish and Game (ADF&G) Habitat Section reviewed your proposal to withdraw water from four streams on Admiralty Island for construction, dust control, and exploration as part of Greens Creek Mine operations. Fish Habitat Permit FH20-I-0055 replaces FH15-I-0024, and FH20-I-0056 replaces FH15-I-0025.

Project Description

You will withdraw water using 2 inch gravity fed intakes screened with 1/8 inch mesh, or 2 inch pump intakes placed in a bucket drilled with 1/4 inch holes, at a rate of 20-30 gpm. Prior to each use, you will remove debris fowling the screen, and inspect and repair any damage to the intakes.

Fishway Act

Zinc Creek supports Dolly Varden char above the barrier to anadromous fish migration; below the barrier, Stream Number 112-65-10230 provides habitat for chum, coho, and pink salmon and Dolly Varden char.

Lil' Sore Creek supports cutthroat trout and Dolly Varden char; East Lil' Sore Creek is a tributary to Lil' Sore Creek and is suspected to support resident fish based on similar gradient and low elevation profile.

Fulto Creek is suspected to support anadromous and resident fish upstream of the cataloged anadromous fish use extent based on continuing low gradient and elevation; Fulto Creek, Stream Number 111-41-10180-2007, provides habitat for coho and pink salmon.

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

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 Habitat Section regulated activities; 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 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 a Habitat Section responsibility. Therefore, we recommend 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 Bill Kane at (907) 465-6474 or william.kane@alaska.gov.

Sincerely,
Doug Vincent-Lang
Commissioner



By: Kate Kanouse
Regional Supervisor

Email cc:

Al Ott, ADF&G Habitat, Fairbanks
ADF&G Habitat Staff, Douglas
Dan Teske, ADF&G SF, Douglas
Dave Harris, ADF&G CF, Douglas
Cathe Heroy, ADNR OPMP, Anchorage
Kindra Geis, ADNR DMLW, Fairbanks
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Doug Cooper, USFWS, Anchorage
Habitat Conservation Division, NMFS, Juneau