



FISH HABITAT PERMIT FH25-I-0118

ISSUED: October 29, 2025

EXPIRES: Life of Structure

Hecla Greens Creek Mining Company
ATTN: Paula Lillesve, Environmental Manager
P.O. Box 32199
Juneau, AK 99803-2199

RE: Culvert Replacement
Uncataloged Tributary to Fowler Creek
Section 10, T 43 S, R 56 E, CRM (Juneau A3)
Location: 58.1502 N, 134.7547 W

Dear Paula Lillesve:

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 replace a culvert on the Pit 7 spur road at MP 1.9 off the Greens Creek Mine A-Road.

Project Description

At least one week prior to beginning in-water work, you will notify a Habitat Section biologist to allow for fish removal and construction oversight. You are responsible for maintaining the integrity of any fish exclusion fences^a to ensure fish do not enter the work area.

Preferably during low water conditions, you will install a 40 ft long, 36 inch diameter corrugated metal culvert according to your plans and specifications dated September 24, 2025 (enclosed). You will install the culvert to match stream gradient at the site^b, excavate to embed the culvert 8 inches, and fill each end with about 1 yd³ of 4 inch minus streambed rock graded with sufficient fine sediment to maintain surface flow. You will construct a grade control structure about 10 ft downstream of the culvert using larger rock (about 8–16 inch diameter) that spans the streambed. Once installed, you will excavate connecting channels, divert streamflow into the new culvert, leave the original culvert in place for overflow relief restore the streambanks, and remove all in-water equipment.

^a Fences must be 1/8 inch mesh or smaller.

^b You will conduct a survey to generate a longitudinal streambed gradient profile up and downstream of the culvert prior to installation.

Fishway Act

The unnamed tributary to Fowler Creek supports Dolly Varden char and cutthroat trout.

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

You must maintain the integrity of the structure in accordance with the terms of this permit so that free fish passage is assured. You must restore any obstruction to free fish passage to the satisfaction of the Habitat Section.

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 state, federal, or local permits. 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. Prior to engaging in 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. 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, it is recommended the Habitat Section be consulted immediately when a deviation from the approved plan is being considered.

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 Greg Albrecht at (907) 465-6384 or greg.albrecht@alaska.gov.

Sincerely,
Doug Vincent-Lang
Commissioner

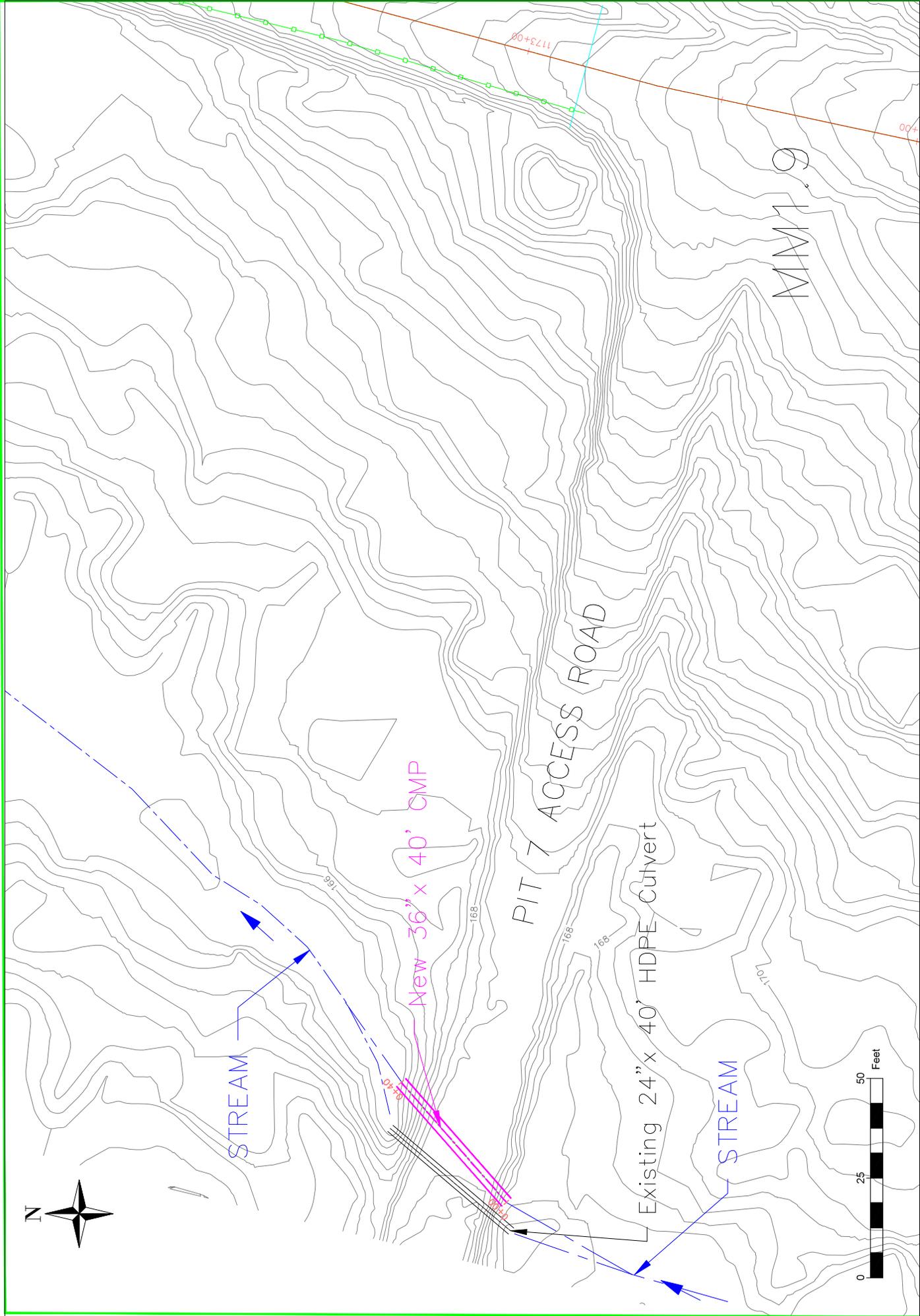


By: Kate Kanouse
Regional Supervisor

Enclosures: 1.9 A Road Fish Culvert Replacement Plan, Pg. 1-2

Email cc:

Al Ott, ADF&G Habitat, Fairbanks
ADF&G Habitat Staff, Douglas
Dan Teske, ADF&G SF, Douglas
Scott Forbes, ADF&G CF, Douglas
Carl Koch, ADF&G WC, Douglas
Michael Mazzacavallo, ADF&G SF, Anchorage
Randy Vigil, USACE, Juneau
Andy Stevens, USFWS, Anchorage
Habitat Conservation Division, NMFS, Juneau
Scott Leslie, USFS JRD, Juneau
Heidi Lombard, USFS SO, Petersburg
Zack Wrzeszcz, HGCM, Juneau



HECLA GREENS CREEK MINING COMPANY
 JUNEAU, ALASKA

1.9 A ROAD FISH CULVERT
 REPLACEMENT PLAN

SCALE AS SHOWN DRAWN BY: SHELLEY EDWARDS SHEET 1 OF 1
 DATE: SEPT. 24, 2025



REFERENCE SYSTEM DEFINITION - COORDINATE SYSTEM
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