



THE STATE
of **ALASKA**

GOVERNOR MICHAEL J. DUNLEAVY

Department of Fish and Game

HABITAT SECTION
Fairbanks Regional Office

1300 College Road
Fairbanks, Alaska 99701-1551
Main: 907.459.7289
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FISH HABITAT PERMIT
FH18-III-0121-AMENDMENT 2

ISSUED: February 28, 2020
EXPIRES: December 31, 2022

Ambler Metals LLC
Attn: Cal Craig
1941 Sanduri Ave.
Fairbanks, AK 99701

RE: APMA F182882
Jack Creek, Sec 16-17, 21, T22N, R10E, KRM, Ambler River B-2
Median Claim Coordinate (WGS84): 67.2999 N, 156.6799 W
Dead, Limestone Creeks, and one unnamed creek
Sec 7, 15, 17, T21N, R11E, KRM, Ambler River A-2
Median Claim Coordinates (WGS84): 67.3001 N, 156.6965 W
67.2249 N, 156.4606 W
Unnamed tributaries of the Shungnak, Ambler, and Kogoluktuk rivers
Sec 11-14, T20N, R12E, Ambler River A-1
Sec 16-19, T20N, R13E, Ambler River A-1
Sec 20-21, 28-29, T20N, R14E, Survey Pass A-6
Sec 2-3, T21N, R10E, Ambler River A-2
Sec 29-30, T21N, R11E, Ambler River A-1
Sec 32-33, T21N, R12E, Ambler River A-1
Sec 22, 26, T22N, R08E, Ambler River B-3
Sec 13, 34, T22N, R09E, Ambler River B-2
Sec 19, 31, T22N, R10E, Ambler River B-2

Dear Mr. Craig:

Pursuant to AS 16.05.841 (Fishway Act), the Alaska Department of Fish and Game (ADF&G), Habitat Section, has reviewed your request to expand your hardrock exploration to include the uplands of the described waterbodies.

Project Description

Access will be via helicopter. You will withdraw water from the described additional waterbodies to support your drilling operation. No damming/ diversion of any natural waterbody will be conducted.

Fish Resources

The system in the area described supports resident species of fish such as Arctic grayling, Dolly Varden, and slimy sculpin. Your project as proposed should not obstruct the efficient passage and movement of fish.

Determination

In accordance with AS 16.05.841, project approval is hereby given subject to the project description above with the following stipulation:

- 1) Each water intake structure shall be designed to prevent the entrainment, impingement and/or entrapment of fish and shall be installed and maintained at each intake location. The effective screen openings may not exceed 0.25 inches (1/4 inch), and water velocity at the screen/water interface may not exceed 0.5 feet per second when the pump is operating.

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

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 stipulation 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 Habitat Section.

Therefore, it is recommended you consult the Habitat Section immediately when any deviation from the approved plan is being considered.

For the purpose of inspecting or monitoring compliance with any condition of this permit, you shall give an authorized representative of the state free and unobstructed access, at safe and reasonable times, to the permit site. You shall furnish whatever assistance and information as the authorized representative reasonably requires for monitoring and inspection purposes.

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; 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.

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. The Habitat Section reserves the right to require mitigation measures to correct disruption to fish and game created by the project and which was a direct result of the 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.

Any questions or concerns about this permit may be directed to Habitat Biologist Chelsea Clawson at 907-459-7287 or emailed to chelsea.clawson@alaska.gov.

Sincerely,

Doug Vincent-Lang, Commissioner



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

ecc: Brendan Scanlon, ADF&G SF, Fairbanks
Fairbanks Mining, ADNR, Fairbanks
Drew Harrington, ADNR, Fairbanks
Jenny March, ADNR, Fairbanks
Placer Notices, ADEC, Fairbanks
Bob Henszey, USFWS, Fairbanks
Ellen Lyons, USACE, Fairbanks
Leslie Tose, USACE, Anchorage
AWT, Northern Detachment, Fairbanks

Ambler Metals
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Permit Coordinator, ADF&G, Anchorage
Al Ott, ADF&G HAB, Fairbanks

AB/cmc