



**FISH HABITAT PERMIT
FH16-III-0080-AMENDMENT 3**

ISSUED: April 12, 2021
EXPIRES: December 31, 2025

Ambler Metals LLC
Attn: Cal Craig
3700 Centerpoint Drive Suite 100
Anchorage, AK 99503

RE: **APMA F162183**

Cosmos Creek, Sec. 14, T019N, R008E, KRM, Ambler River A-3

Location coordinates: 67.0514 N, 157.0614 W

Cosmos Creek South, Sec. 23, T019N, R008E, KRM, Ambler River A-3

Location coordinates: 67.0365 N, 157.0665 W

Camp Creek, Sec. 35, T019N, R008E, KRM, Ambler River A-3

Location coordinates: 67.0025 N, 157.0439 W

Unnamed Trib to Shungnak River, Sec. 4, T019N, R008E, KRM, Ambler River A-3

Location coordinates: 67.0731 N, 157.1371 W

Unnamed Trib to Shungnak River, Sec. 34, T020N, R008E, KRM, Ambler River A-3

Location coordinates: 67.0847 N, 157.0863 W

Jay Creek, Secs. 5-7, T019N, R009E, KRM, Ambler River A-2

Location coordinates: 67.0705 N, 156.9809 W

Cabin Creek, Secs. 5, 9-10, T019N, R009E, KRM, Ambler River A-2

Location coordinates: 67.0620 N, 156.8823 W

Wesley Creek, Sec. 30, T019N, R009E, KRM, Ambler River A-2

Location coordinates: 67.01283, 156.9750 W

Ruby Creek, Secs. 8, 17, 19, 20, 24, T019N, R009E, KRM, Ambler River A-2

Location coordinates: 67.0614 N, 156.9393 W

Unnamed Lowlands Creeks 1 and 2, Sec 5, T019N, R010E, KRM, Ambler River A-2

Location coordinates: 67.0755 N, 156.7174 W

Unnamed Trib to Kogoluktuk River, Sec. 1, T019N, R010E, KRM, Ambler River A-2

Location coordinates: 67.0772, 156.5833 W

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 proposal to continue mineral exploration of the Bornite Deposit.

Project Description

You will withdraw water from multiple creeks to support your exploration drilling. No fish habitat permit is required for the withdrawal of water from wells.

Fishway Act

Water bodies in the area described support resident species such as Dolly Varden, Arctic grayling, round whitefish, Alaska blackfish, longnose suckers, and slimy sculpin. Your project as proposed is not anticipated to obstruct the free passage of fish.

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.

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 Chelsea Clawson at (907) 459-7287 or chelsea.clawson@alaska.gov.

Sincerely,
Doug Vincent-Lang
Commissioner



By: Audra L. J. Brase
Fairbanks Regional Supervisor

ecc: Al Ott, ADF&G HAB, Fairbanks
Brendan Scanlon, ADF&G SF, Fairbanks
Fairbanks Mining, ADNR, Fairbanks
Dave Charron, ADNR, Fairbanks
Jenny March, ADNR, Fairbanks
Placer Notices, ADEC, Fairbanks
Ellen Lyons, ACOE, Fairbanks
Lesli Tose, ACOE, Anchorage
Permit Coordinator, ADF&G SF

NOAA Fisheries, Anchorage
Bob Henszey, USFWS, Fairbanks
AWT Northern Detachment

cmc/AB