



US Army Corps
of Engineers
Alaska District

Public Notice of Application for Permit

FAIRBANKS FIELD OFFICE
Regulatory Division (1145)
CEPOA-RD
1046 Marks Road
Fort Wainwright, Alaska 99703

PUBLIC NOTICE DATE:	February 12, 2026
EXPIRATION DATE:	February 27, 2026
REFERENCE NUMBER:	POA-2025-00491
WATERWAYS:	Delta and Eureka Rivers

TO WHOM IT MAY CONCERN: The purpose of this notice is to advise the public that the following request associated with the Nikolai Nickel Project has been submitted for a Department of the Army (DA) permit under the provisions of Section 404 of the Clean Water Act. In Executive Order (EO) 14156 the President declared a national emergency under the National Emergencies Act (50 U.S.C. 1621) based upon the finding that the United States' insufficient energy production, transportation, refining, and generation constitutes an unusual and extraordinary threat to our Nation's economy, national security, and foreign policy. The U.S. Army Corps of Engineers (USACE), Alaska District has found that this permit request meets the terms of EO 14156 and is therefore subject to special emergency permitting procedures to address an energy supply situation which would result in an unacceptable hazard to life, a significant loss of property, or an immediate, unforeseen, and significant economic hardship if corrective action requiring a permit is not undertaken within a time period less than the normal time needed to process the application under standard procedures. The Alaska District will implement the special processing procedures approved by Pacific Ocean Division in accordance with 33 CFR § 325.2(e)(4).

APPLICANT: Alaska Energy Metals Corporation, 430 West 7th Avenue, Suite 100, Anchorage, AK 99518

AGENT: Victor Ross, Stantec Consulting Services

LOCATION OF WORK: The project site is located approximately 55 miles southwest of Delta Junction, Alaska, off the Richardson Highway or 80 miles northwest of Glennallen within what is called the "unincorporated borough area" of Alaska.

Table 1-1: Project Location

USGS Quadrangles		Public Land Survey System			
Scale – 1:250,000	Scale – 1:63,360	Meridian	Township	Range	Section
Mount Hayes	A-5, B-4, B-5	Fairbanks	18 S	10 E	25, 26, 35
			19 S	10 E	2, 6-11
			19 S	9 E	2-8, 11, 12
			19 S	8E	12-16, 21-23, 26

Table 1-2: Decimal Degree Location of the Key Project Components

Project Component	Latitude	Longitude
Delta River Bridge Crossing	63.3256° N	145.7552° W
Eureka Creek Bridge Crossing	63.2722° N	146.1164° W
Centroid of Mineral Exploration Area	63.2502° N	146.1744° W

PURPOSE: The applicant’s stated purpose is to provide safe, reliable, and logistically sustainable access to a mineral exploration area for a Critical mineral to collect subsurface geological data to evaluate the mineral resource potential.

DESCRIPTION OF WORK: The project would begin with rehabilitation of an existing 17-mile gravel road known as the Rainy Creek Mining Road. In addition to the rehabilitation of the existing road, the project would involve the construction of 6 miles of new temporary gravel access road, averaging 13 feet wide toe-to-toe, to access the exploration site from the west end of the Rainy Creek Mining Road. To maintain hydrologic connectivity, low water crossings would be installed at surface water crossings. The new road would disturb approximately 0.14 acres of wetland. Gravel would be sourced from uplands.

A temporary bridge would be placed over the Delta River. The structure would measure approximately 195 feet in length with a 14-foot-wide deck and would be 10 feet above the water surface. Eight driven pipe piles (18 to 24-inch diameter) would be used to support the bridge with 4 driven into the river channel below Ordinary High Water (OHW). Fill material for the abutments would total 1,830 cubic yards and cover 0.17 acres placed above OHW.

A second temporary bridge would be situated over Eureka Creek. The crossing structure would measure approximately 300 feet in length with a 14-foot-wide deck from four feet to approximately 18 feet above the water surface. Fourteen driven pipe piles (18 to 24-inch diameter) would be used to support the bridge with 12 driven into the river channel below OHW. Fill material for the abutments would total 1,000 cubic yards in 0.25 acres with an additional 1,000 cubic yards excavated above OHW. Fill material would be sourced locally from an upland location. Shore abutments would be located above the OHW, with no fill placed below OHW.

Drilling must commence where the Nickel resource is located. The mineral exploration requires construction of temporary facilities, including a 15-acre pad for a man camp, staging and parking areas, and seasonal equipment laydown. The camp, laydown and staging area were sited adjacent to the new exploration access road in uplands. No wetlands would be filled or graded for these facilities. Initial drilling has pinpointed the Area of Interest (AOI) requiring detailed drilling and geologic investigation. The drill pads need to be located over the resource. The required 100 drill sites would be constructed with the minimum required grading. Temporary impacts from drilling including access and pads would total 9.40 acres in wetlands. Where practicable, drill pads would be sited on previously disturbed areas or uplands to reduce wetland fill.

Exploration activities would consist of diamond core drilling using tracked drill rigs. Drill pads would be lined, and drilling fluids and cuttings dewatered using a hydrocyclone. No process chemicals would be used, and no drill cuttings would be discharged to wetlands or surface waters.

The project is anticipated to operate for five years. Upon completion of exploration activities, all temporary facilities would be decommissioned. Decommissioning would include removal of crossing structures and abutments, recontouring of road prisms and pads, replacement of salvaged organic material, and revegetation using native species to restore site conditions in compliance with Alaska Department of Natural Resources (ADNR) reclamation standards.

All work would be performed in accordance with the enclosed plan (sheets #1-23), dated January 2026.

ADDITIONAL INFORMATION:

Table 2: Permits and Authorizations that the Applicant is Actively Attempting to Acquire

Permits and Authorizations	Agency	Description
Clean Water Act 401 Water Quality Certification	ADEC	Required for assurance that the proposed activity would comply with applicable water quality requirements
Permit to Mine in Alaska (APMA)	ADNR	Required for hard rock exploration and mining activities
Right-of-Way and Crossing	USBLM	Required for access or easements for alignment

Notes: ADNR = Alaska Department of Natural Resources; ADEC = Alaska Department of Environmental Conservation; APMA = Application for Permits to Mine in Alaska; USBLM = United States Bureau of Land Management

APPLICANT PROPOSED MITIGATION: The applicant proposes the following mitigation measures to avoid, minimize, and compensate for impacts to waters of the United States from activities involving discharges of dredged or fill material.

Avoidance and Minimization:

Planning and Design

- During the planning phases, AEMC evaluated various road configurations and route alternatives to minimize impacts on wetlands and waters at the Nikolai Nickel Project.

Access to Exploration Area

- **Existing Road Utilization:** The Rainy Creek Mining Road serves as the access point, crossing the Delta River with a proposed bridge to reduce sediment impacts.
- **Temporary Bridges:** A second temporary bridge is proposed for Eureka Creek. A six-mile temporary access road would be constructed with minimal fill in wetlands, guided by field-verified wetland mapping.

Drilling Operations

- **Minimal Grading:** Drilling operations would use track-mounted rigs to minimize grading and wetland disturbance, with drill pads sited to avoid wetlands whenever possible.
- **Environmental Protection:** No chemicals would be used in drilling muds, and all drill cuttings would be contained on-site to prevent discharge into surface waters or wetlands.

Construction Minimization Measures

- **Best Management Practices (BMPs):** Implemented to further reduce impacts during construction, including:
 - **Erosion Control:** Utilization of a Stormwater Pollution Prevention Plan (SWPPP) to manage erosion and sediment runoff.
 - **Surface Drainage Management:** Ensuring existing drainage is maintained and monitored to prevent ponding.
 - **Invasive Species Control:** Following guidelines to prevent the introduction of invasive species, including equipment cleaning, use of certified weed-free materials, and native seed mixes for revegetation.

Compensatory Mitigation: The applicant proposes on site wetland restoration of the proposed impacts to WOTUS. The Nikolai Nickel Project would be fully bonded for reclamation and closure with ADNR. At the end of exploration surface disturbance would be reclaimed. The new access road to the drill area and drill sites would be restored. The impacts to WOTUS are temporary. These areas would be reseeded, and surface hydrology reestablished. The improvements to Rainy Creek Mining Road would be left in place to facilitate safe travel for other users. The GeoBlocks would be left in wet areas to maintain water quality improvements along the road.

WATER QUALITY CERTIFICATION: A permit for the described work would not be issued until a certification or waiver of certification, as required under Section 401 of the Clean Water Act (Public Law 95-217), has been received from the Alaska Department of Environmental Conservation.

CULTURAL RESOURCES: In accordance with the special processing procedures established by Pacific Ocean Division, the district is coordinating with the State Historic Preservation Office under 36 CFR Part 800.12 in accordance with Section 106 of the National Historic Preservation Act.

THREATENED AND ENDANGERED SPECIES: In accordance with the special processing procedures approved by Pacific Ocean Division in accordance with 33 CFR § 325.2(e)(4), the district is consulting with the U.S. Fish and Wildlife Service and National Marine Fisheries Services (NMFS) under 50 CFR Part 402.05 in accordance with Section 7 of the Endangered Species Act.

ESSENTIAL FISH HABITAT: In accordance with the special processing procedures established by Pacific Ocean Division, the district is consulting with the NMFS under 50 CFR Part 600.920 in accordance with the Magnuson-Stevens Fishery Conservation and Management Act.

PUBLIC INTEREST: This application will be reviewed in accordance with 33 CFR Parts 320-332, the Regulatory Program of USACE, and other pertinent laws, regulations, and executive orders. Our evaluation will also follow the guidelines published by the U.S. Environmental Protection Agency pursuant to Section 404(b)(1) of the Clean Water Act (40 CFR Part 230). Interested parties are invited to state any objections they may have to the proposed work. The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit that reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors that may be relevant to the proposal will be considered including the cumulative effects thereof; of those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people. The district will make a permit decision after considering/addressing any comments submitted by the agencies.

AUTHORITY: This permit will be issued or denied under the following authority:

(X) Discharge dredged or fill material into waters of the United States – Section 404 Clean Water Act (33 U.S.C. 1344). Therefore, our public interest review will consider the guidelines set forth under Section 404(b) of the Clean Water Act (40 CFR 230).

Project drawings are enclosed with this public notice.

COMMENTS: Comments and requests for additional information should be submitted electronically to Carolyn Farmer by email at carolyn.h.farmer@usace.army.mil or via the Regulatory Request System at <https://rrs.usace.army.mil/rrs>.

If you do not have internet access, comments may be submitted through the U.S. Postal Service (USPS) to the following address:

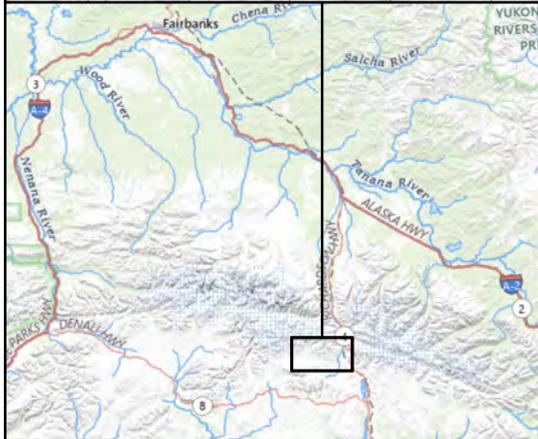
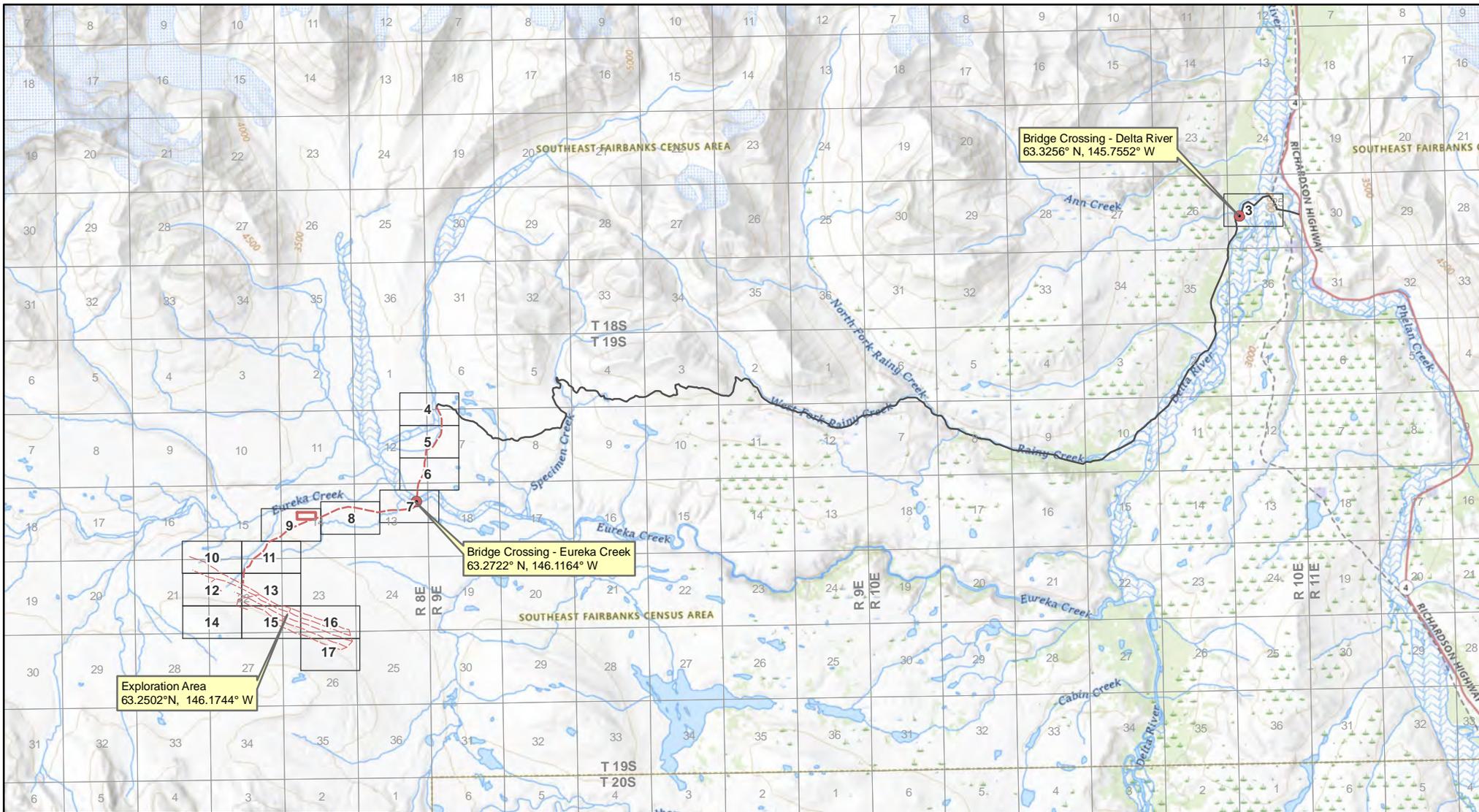
United States Army Corps of Engineers
ATTN: Alaska District, Regulatory Division (CEPOA-RD)
Public Notice: POA-2025-00491
P.O. Box 6898,
JBER, AK 99506-0898

Comments should only be provided through the USPS when electronic transmission is not possible. Precautionary internal mail handling procedures may be instituted to protect our workforce, which may result in longer than normal processing and receive hard copy submissions. To be considered in our evaluation, comments submitted through the USPS should have a postmark dated on, or prior to, the close of the comment period, February 27, 2026.

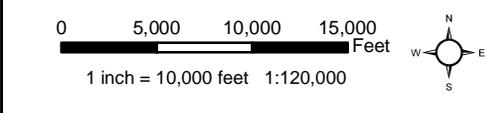
Please note that submitted comments in response to this Public Notice become part of our administrative record and, as such, may be available to the public under provisions of the Freedom of Information Act. Thank you for your interest in our Nation's water resources. Carolyn Farmer may also be reached at (561) 785-5634 or carolyn.h.farmer@usace.army.mil.

District Commander
U.S. Army, Corps of Engineers

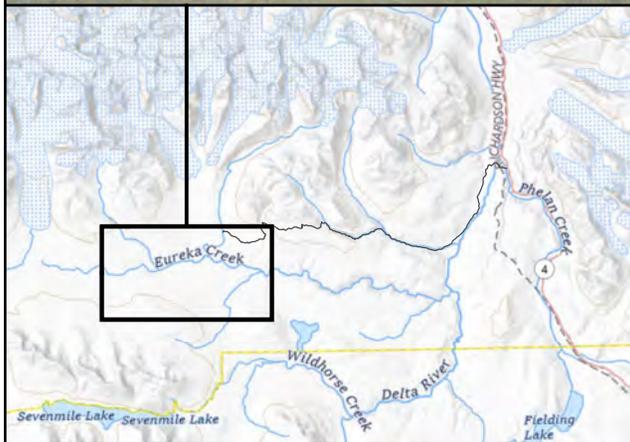
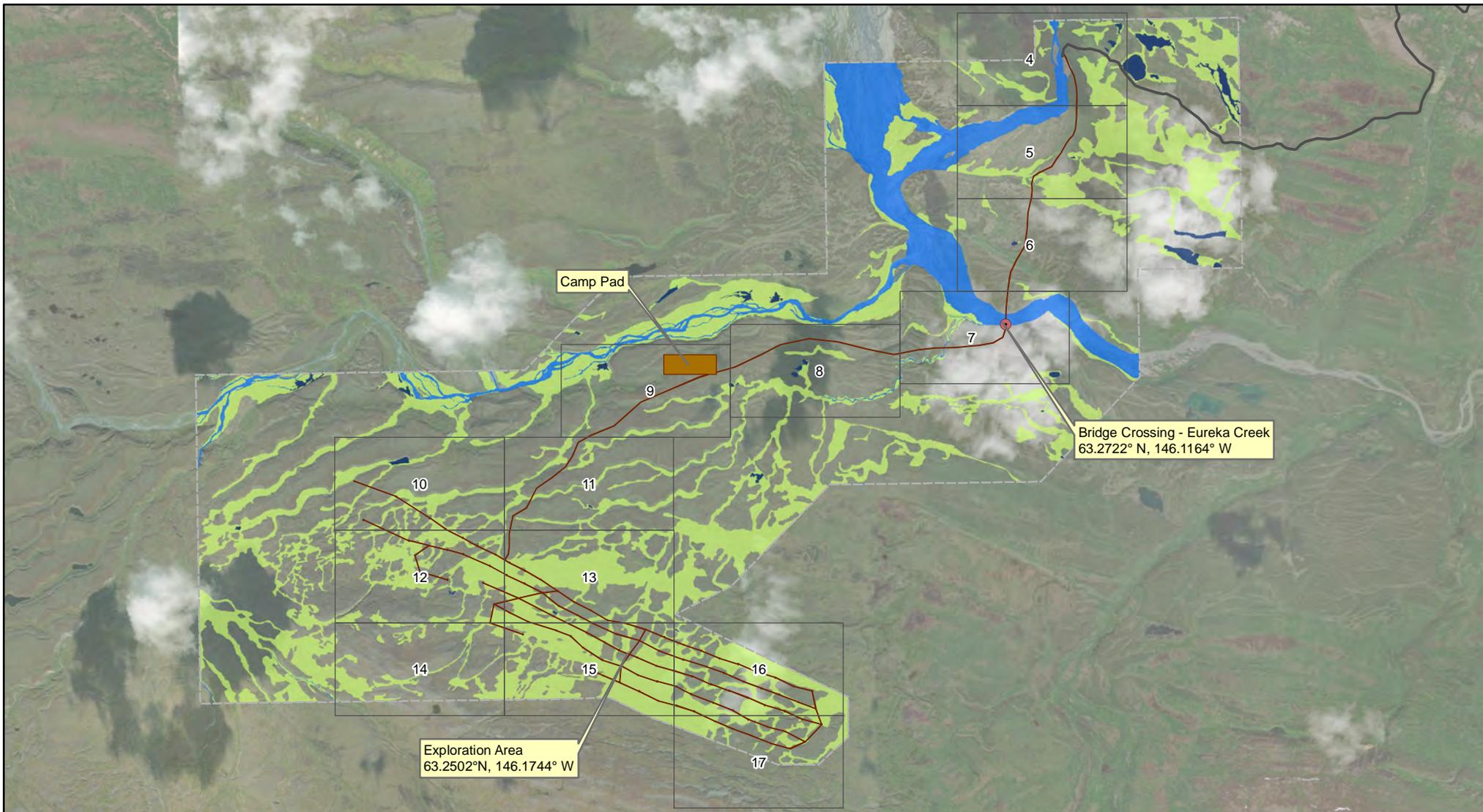
Enclosures



- Bridge Crossing Location (Proposed)
- Drill Roads (Proposed)
- Rainy Creek Mining Road Extension (Proposed)
- Rainy Creek Mining Road (Existing)
- Camp Pad (Proposed)
- Detail Map Grid
- Public Land Survey Section



Applicant: Alaska Energy Metals	
File No.: POA-2025-00491	
Waterway: Delta River	
Proposed Activity: Nikolai Project Mineral Exploration	
Fairbanks Merid. T18S, R10E T19S, R9E T19S, R8E	
Lat.: 63.2502	Long.: -146.1744
Sheet: 1 of 23	January 2026

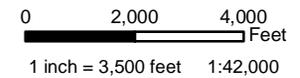


- Bridge Crossing Location (Proposed)
- Rainy Creek Mining Road (Existing)
- Detail Sheet
- Project Footprint (Proposed)

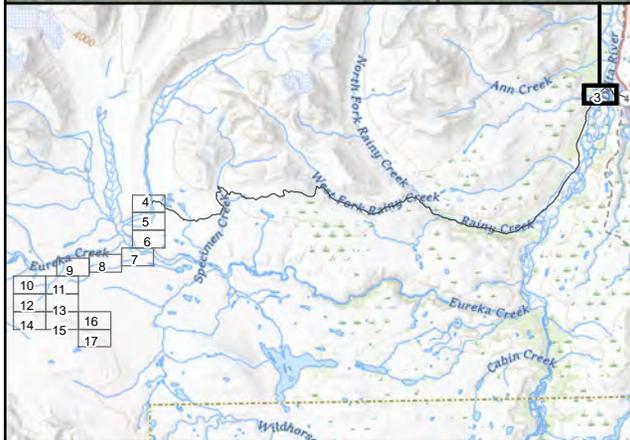
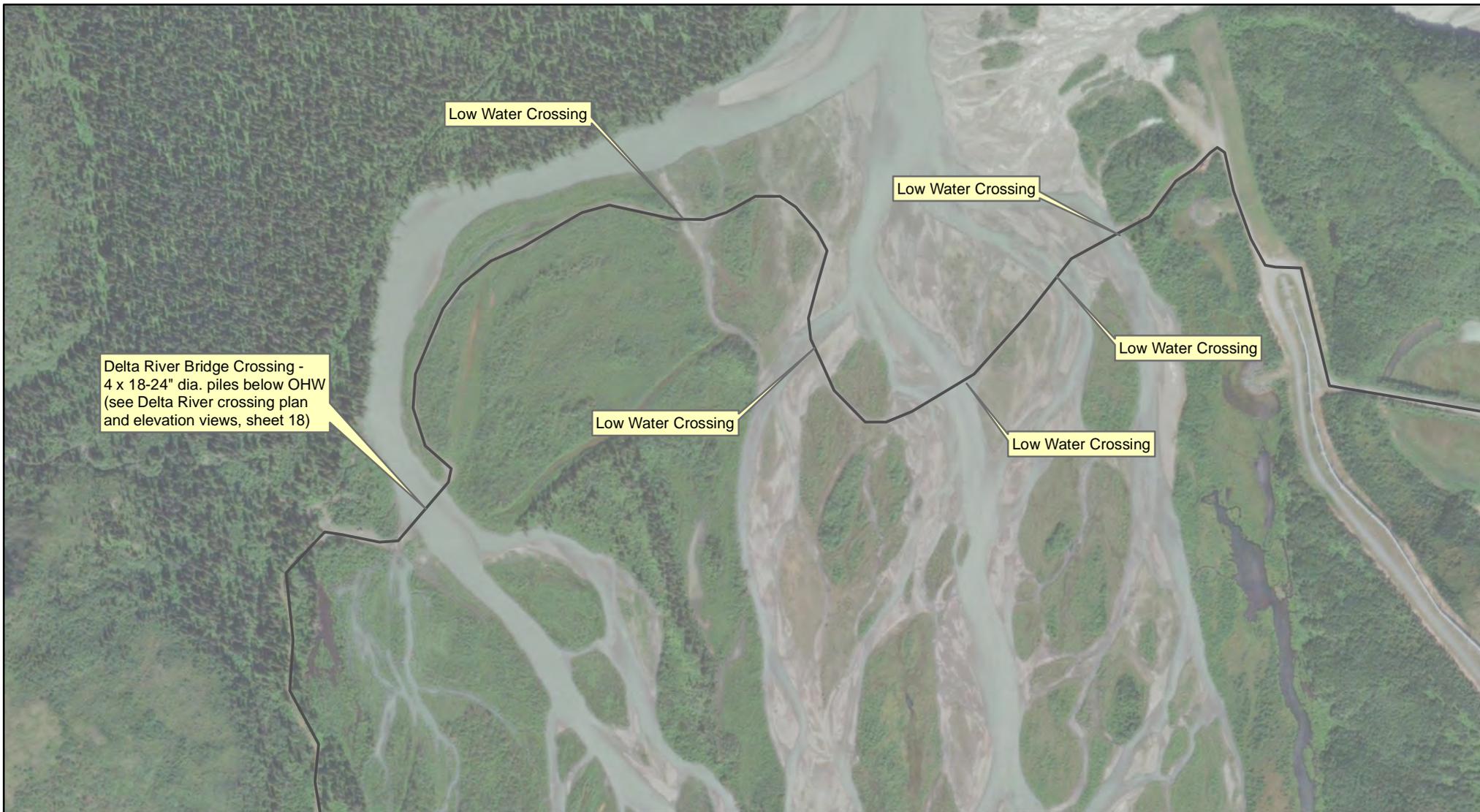
Aquatic Resources Study Area

Aquatic Resource Status

- Stream
- Waterbody
- Wetland

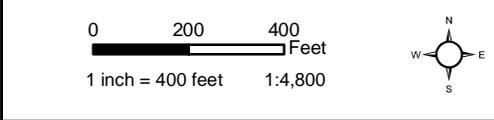


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Fairbanks Merid. T18S, R10E T19S, R9E T19S, R8E	
Lat.: 63.2502	Long.: -146.1744
Sheet: 2 of 23	January 2026

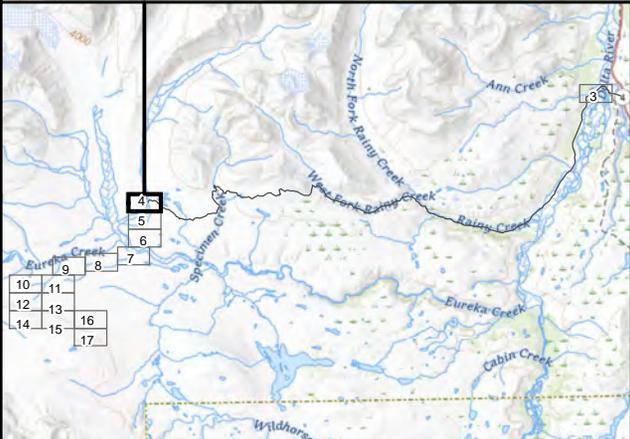


- Aquatic Resource Impact
- Rainy Creek Mining Road (Existing)
- Drill Pad (Proposed)
- Drill Road (Proposed)
- Rainy Creek Mining Road Extension (Proposed)
- Camp Pad (Proposed)

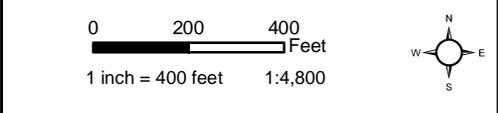
- Aquatic Resources Study Area
- Aquatic Resource Status**
- ~ Stream
- ~ Waterbody
- ~ Wetland



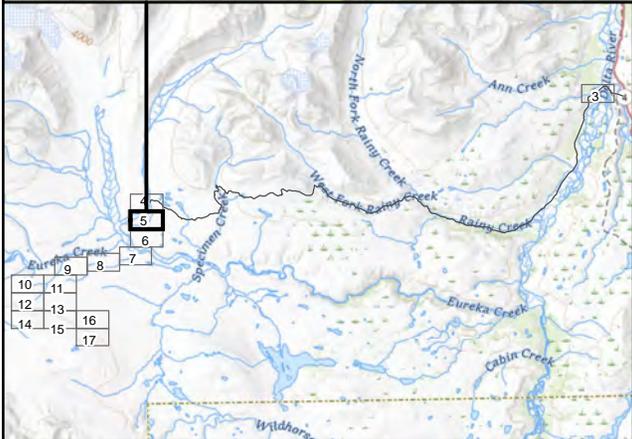
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File No.: POA-2025-00491	
Waterway: Delta River	
Proposed Activity: Nikolai Project Mineral Exploration	
Fairbanks Merid. T18S, R10E T19S, R9E T19S, R8E	
Lat.: 63.3263	Long.: -145.7496
Sheet: 3 of 23	January 2026



- Aquatic Resource Impact
 - Rainy Creek Mining Road (Existing)
 - Drill Pad (Proposed)
 - Drill Road (Proposed)
 - Rainy Creek Mining Road Extension (Proposed)
 - Camp Pad (Proposed)
 - Aquatic Resources Study Area
- Aquatic Resource Status**
- ~ Stream
 - ~ Waterbody
 - ~ Wetland

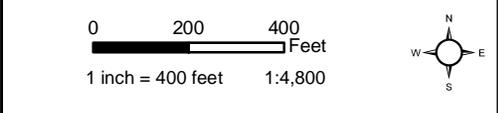


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File No.: POA-2025-00491	
Waterway: Delta River	
Proposed Activity: Nikolai Project Mineral Exploration	
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Sheet: 4 of 23	January 2026

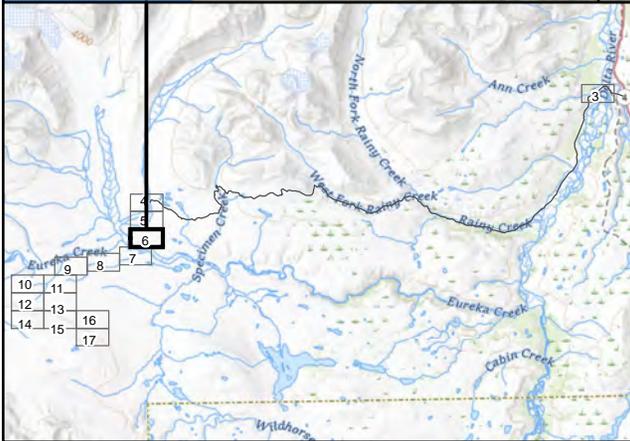
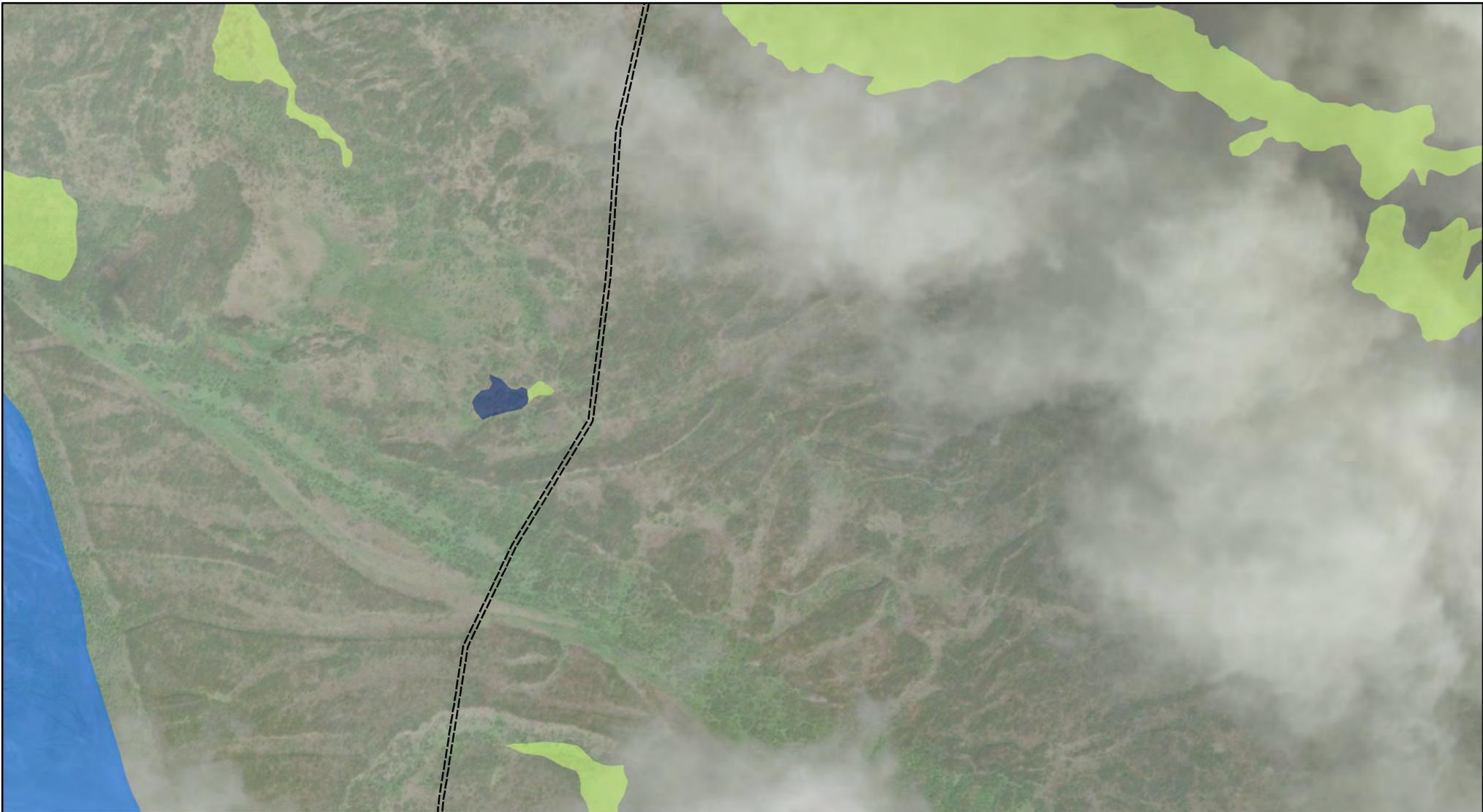


- Aquatic Resource Impact
- Rainy Creek Mining Road (Existing)
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- Aquatic Resources Study Area
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Proposed Activity: Nikolai Project Mineral Exploration	
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Sheet: 5 of 23	January 2026

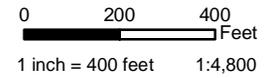


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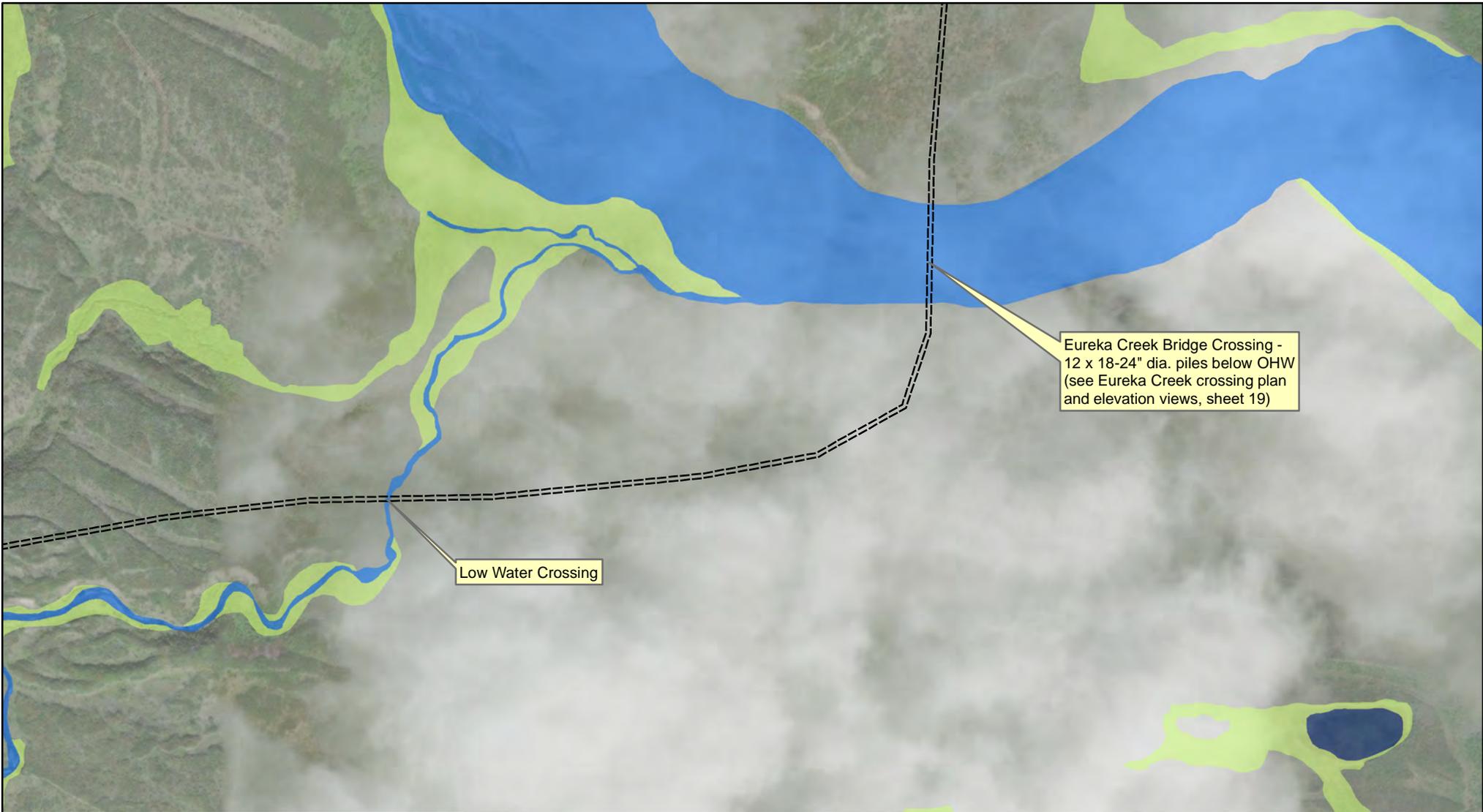
Aquatic Resources Study Area

Aquatic Resource Status

- ~ Stream
- ~ Waterbody
- ~ Wetland

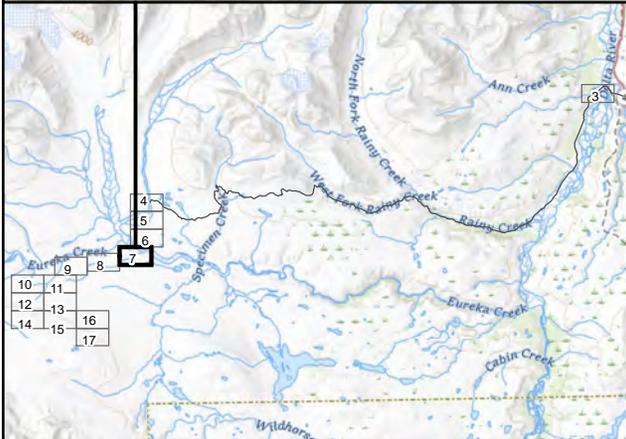


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Waterway: Delta River	
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Sheet: 6 of 23	January 2026



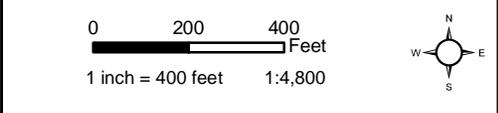
Eureka Creek Bridge Crossing -
12 x 18-24" dia. piles below OHW
(see Eureka Creek crossing plan
and elevation views, sheet 19)

Low Water Crossing

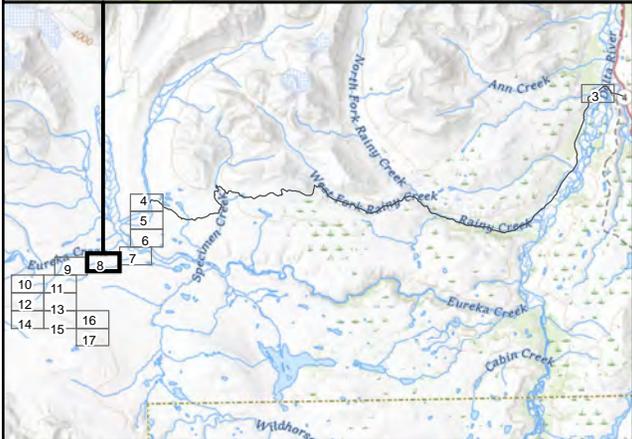
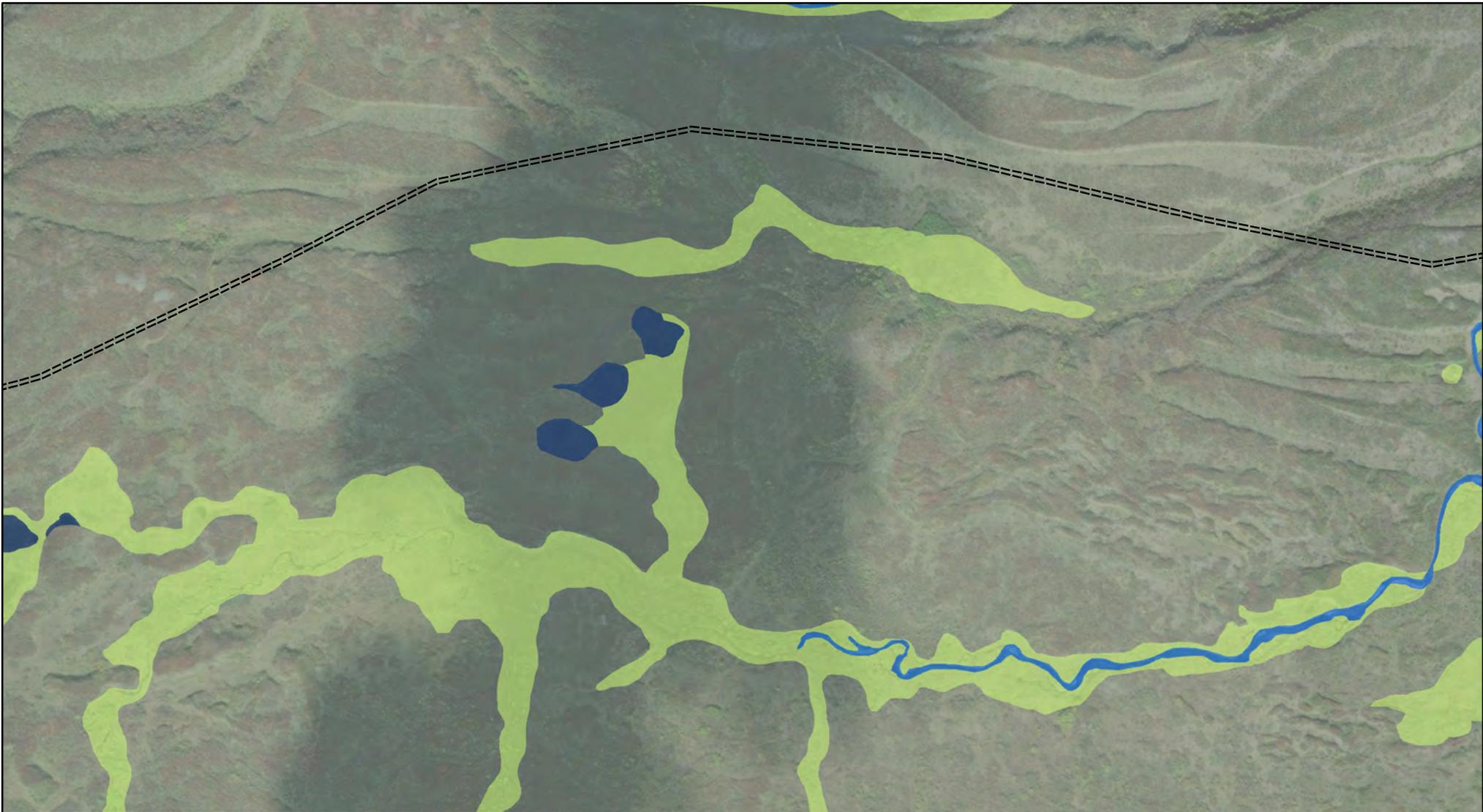


- Aquatic Resource Impact
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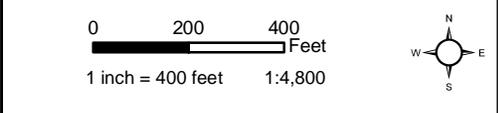


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Sheet: 7 of 23	January 2026

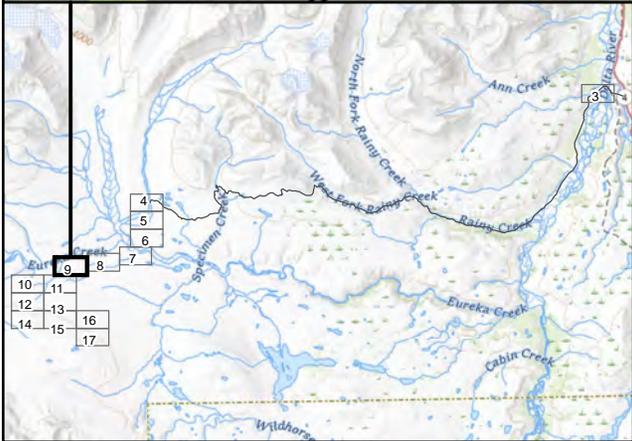


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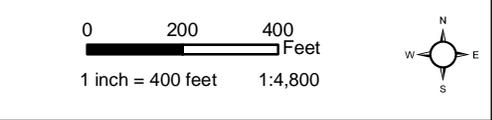


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Sheet: 8 of 23	January 2026

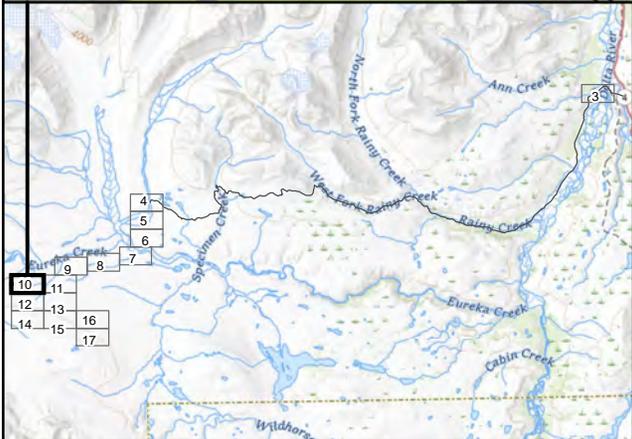


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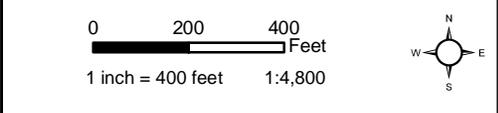


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Sheet: 9 of 23	January 2026

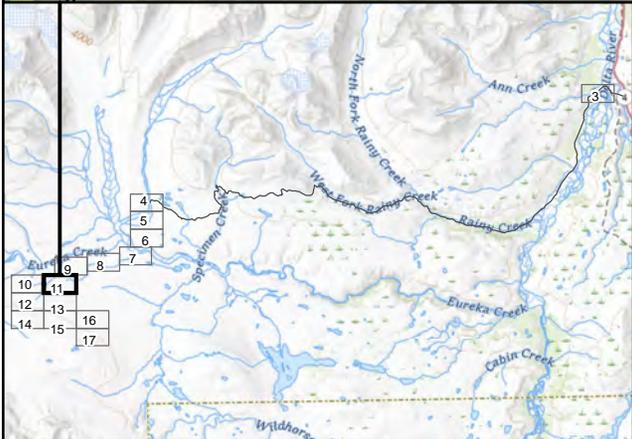


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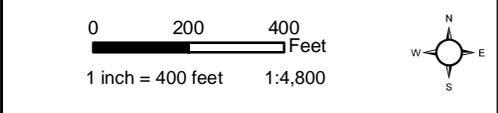


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Fairbanks Merid. T18S, R10E T19S, R9E T19S, R8E	
Lat.: 63.2615	Long.: -146.2059
Sheet: 10 of 23	January 2026

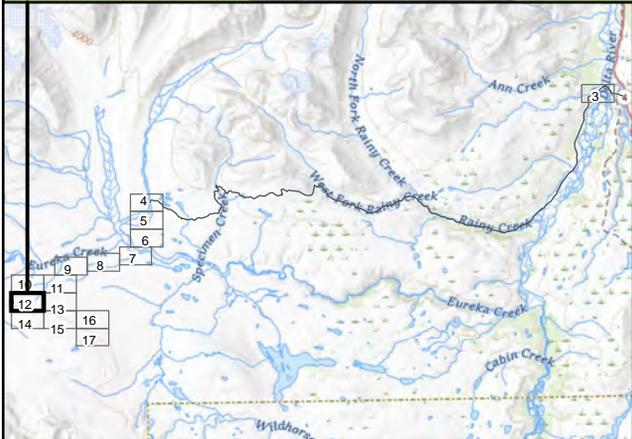


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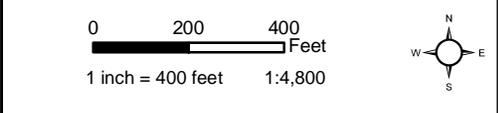


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Fairbanks Merid. T18S, R10E T19S, R9E T19S, R8E	
Lat.: 63.2614	Long.: -146.1802
Sheet: 11 of 23	January 2026

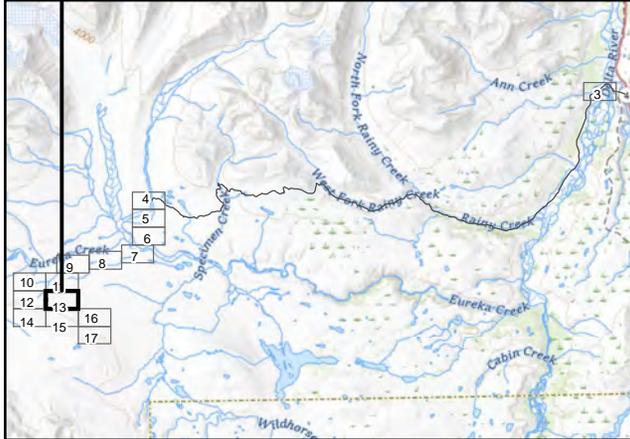
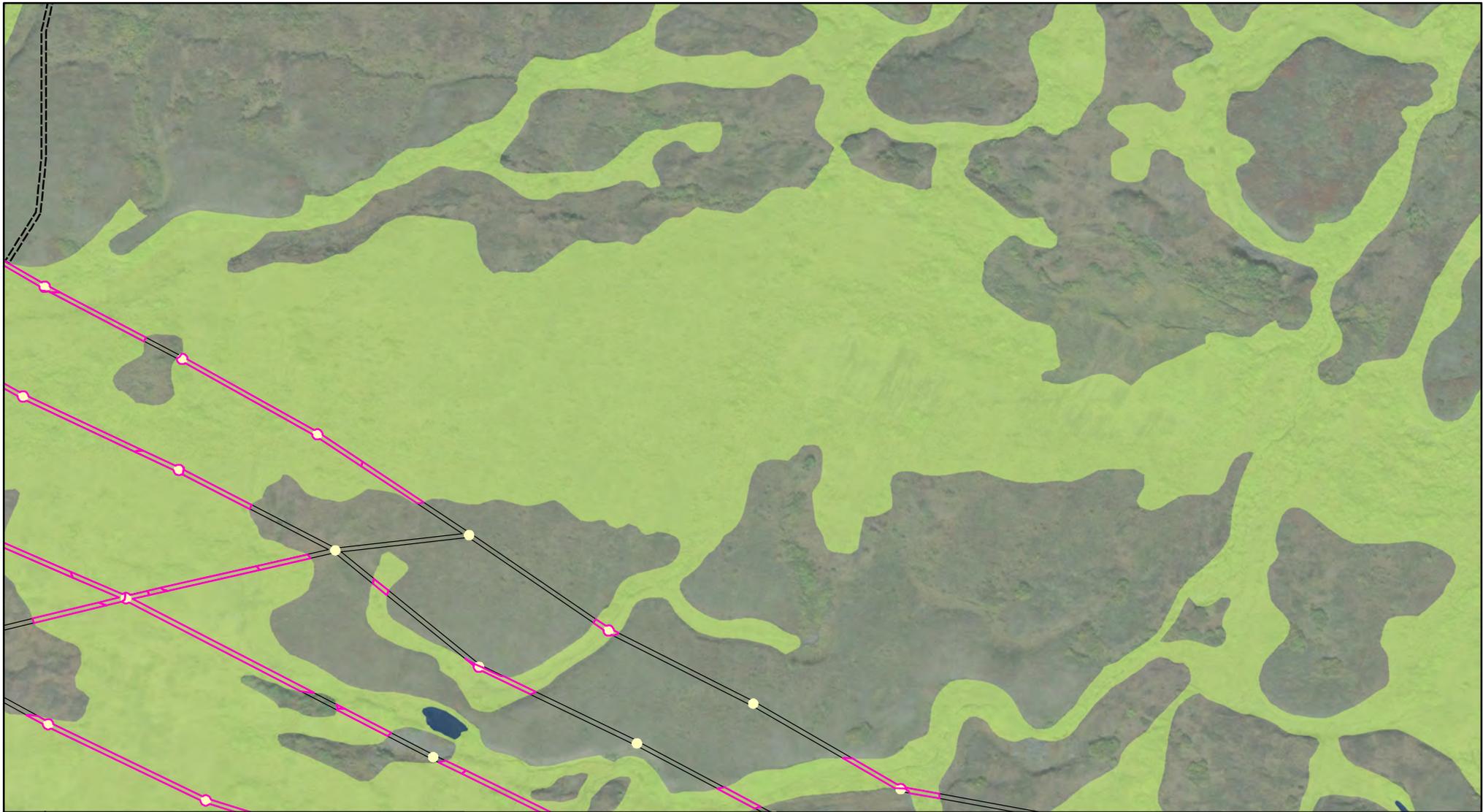


- Aquatic Resource Impact
- Rainy Creek Mining Road (Existing)
- Drill Pad (Proposed)
- Drill Road (Proposed)
- Rainy Creek Mining Road Extension (Proposed)
- Camp Pad (Proposed)

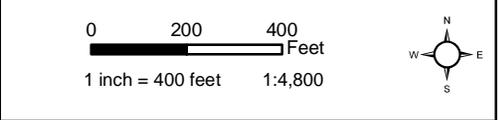
- Aquatic Resources Study Area
- Aquatic Resource Status**
- ~ Stream
- ~ Waterbody
- ~ Wetland



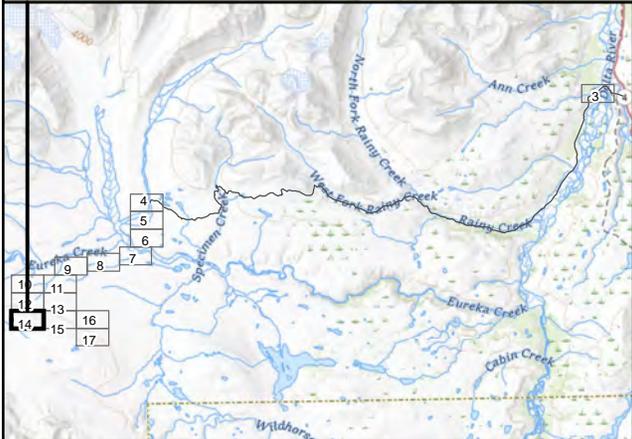
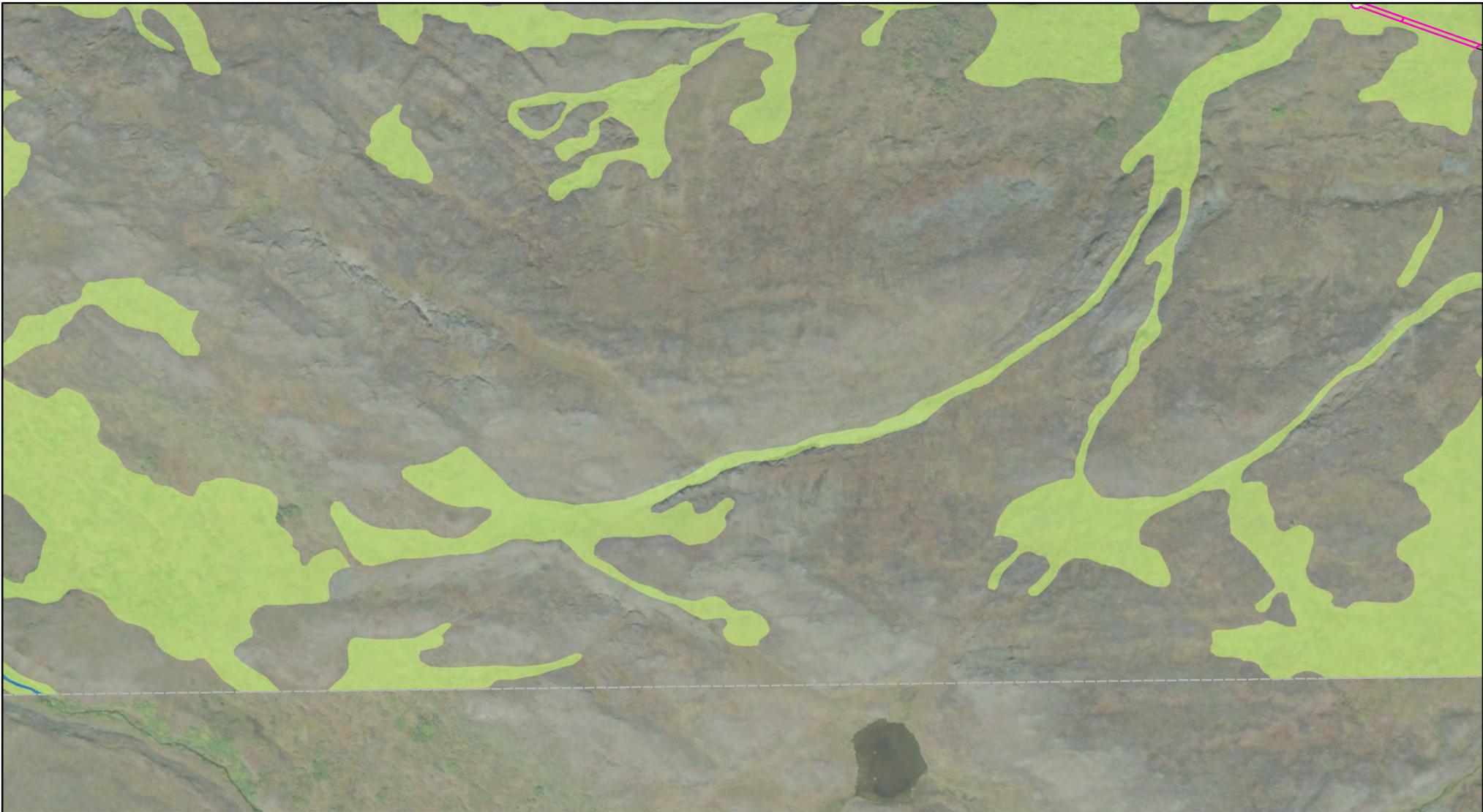
Applicant: Alaska Energy Metals	
File No.: POA-2025-00491	
Waterway: Delta River	
Proposed Activity: Nikolai Project Mineral Exploration	
Fairbanks Merid. T18S, R10E T19S, R9E T19S, R8E	
Lat.: 63.2552	Long.: -146.2060
Sheet: 12 of 23	January 2026



- Aquatic Resource Impact
 - Rainy Creek Mining Road (Existing)
 - Drill Pad (Proposed)
 - Drill Road (Proposed)
 - Rainy Creek Mining Road Extension (Proposed)
 - Camp Pad (Proposed)
 - Aquatic Resources Study Area
- Aquatic Resource Status**
- ~ Stream
 - ~ Waterbody
 - Wetland

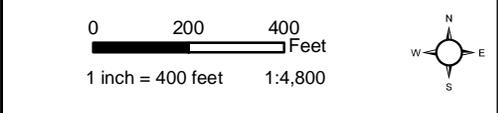


Applicant: Alaska Energy Metals	
File No.: POA-2025-00491	
Waterway: Delta River	
Proposed Activity: Nikolai Project Mineral Exploration	
Fairbanks Merid. T18S, R10E T19S, R9E T19S, R8E	
Lat.: 63.2550	Long.: -146.1803
Sheet: 13 of 23	January 2026

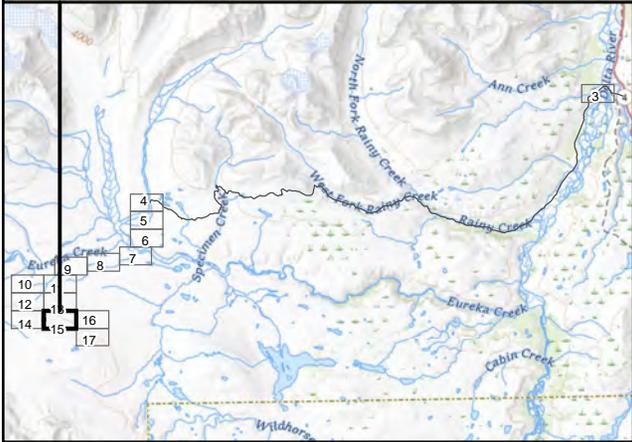


-  Aquatic Resource Impact
-  Rainey Creek Mining Road (Existing)
-  Drill Pad (Proposed)
-  Drill Road (Proposed)
-  Rainey Creek Mining Road Extension (Proposed)
-  Camp Pad (Proposed)

-  Aquatic Resources Study Area
- Aquatic Resource Status**
-  Stream
-  Waterbody
-  Wetland



Applicant: Alaska Energy Metals	
File No.: POA-2025-00491	
Waterway: Delta River	
Proposed Activity: Nikolai Project Mineral Exploration	
Fairbanks Merid. T18S, R10E T19S, R9E T19S, R8E	
Lat.: 63.2488	Long.: -146.2063
Sheet: 14 of 23	January 2026

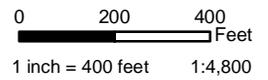


- Aquatic Resource Impact
- Rainey Creek Mining Road (Existing)
- Drill Pad (Proposed)
- Drill Road (Proposed)
- Rainey Creek Mining Road Extension (Proposed)
- Camp Pad (Proposed)

Aquatic Resources Study Area

Aquatic Resource Status

- ~ Stream
- ~ Waterbody
- ~ Wetland



Applicant: Alaska Energy Metals

File No.: POA-2025-00491

Waterway: Delta River

Proposed Activity: Nikolai Project Mineral Exploration

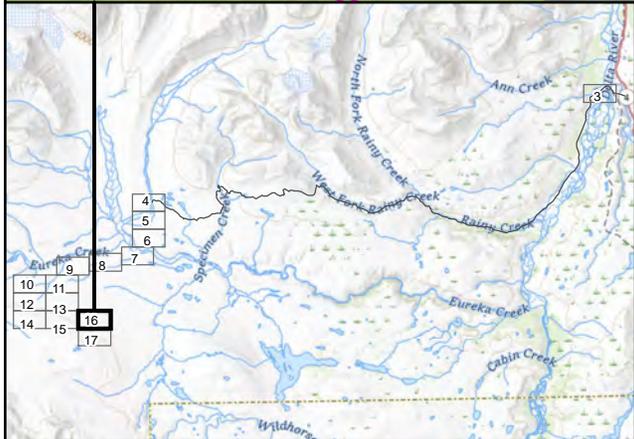
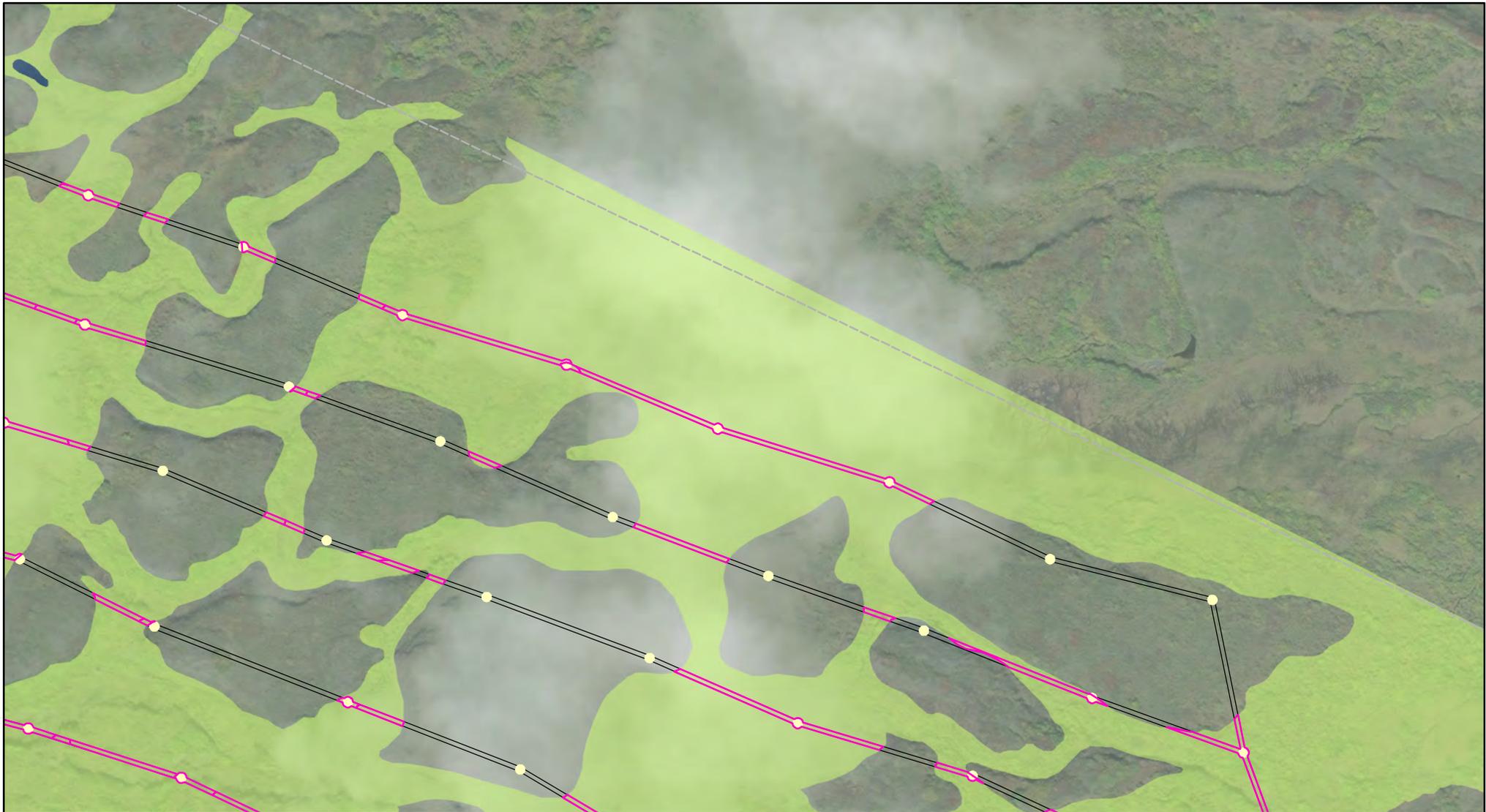
Fairbanks Merid. | T18S, R10E | T19S, R9E | T19S, R8E

Lat.: 63.2487

Long.: -146.1805

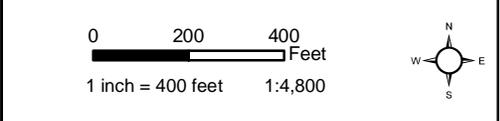
Sheet: 15 of 23

January 2026

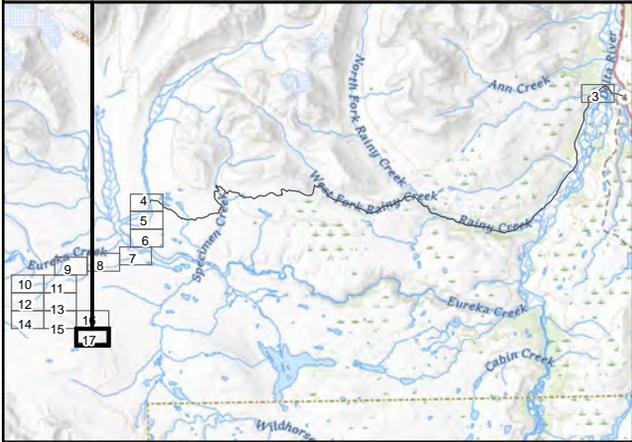
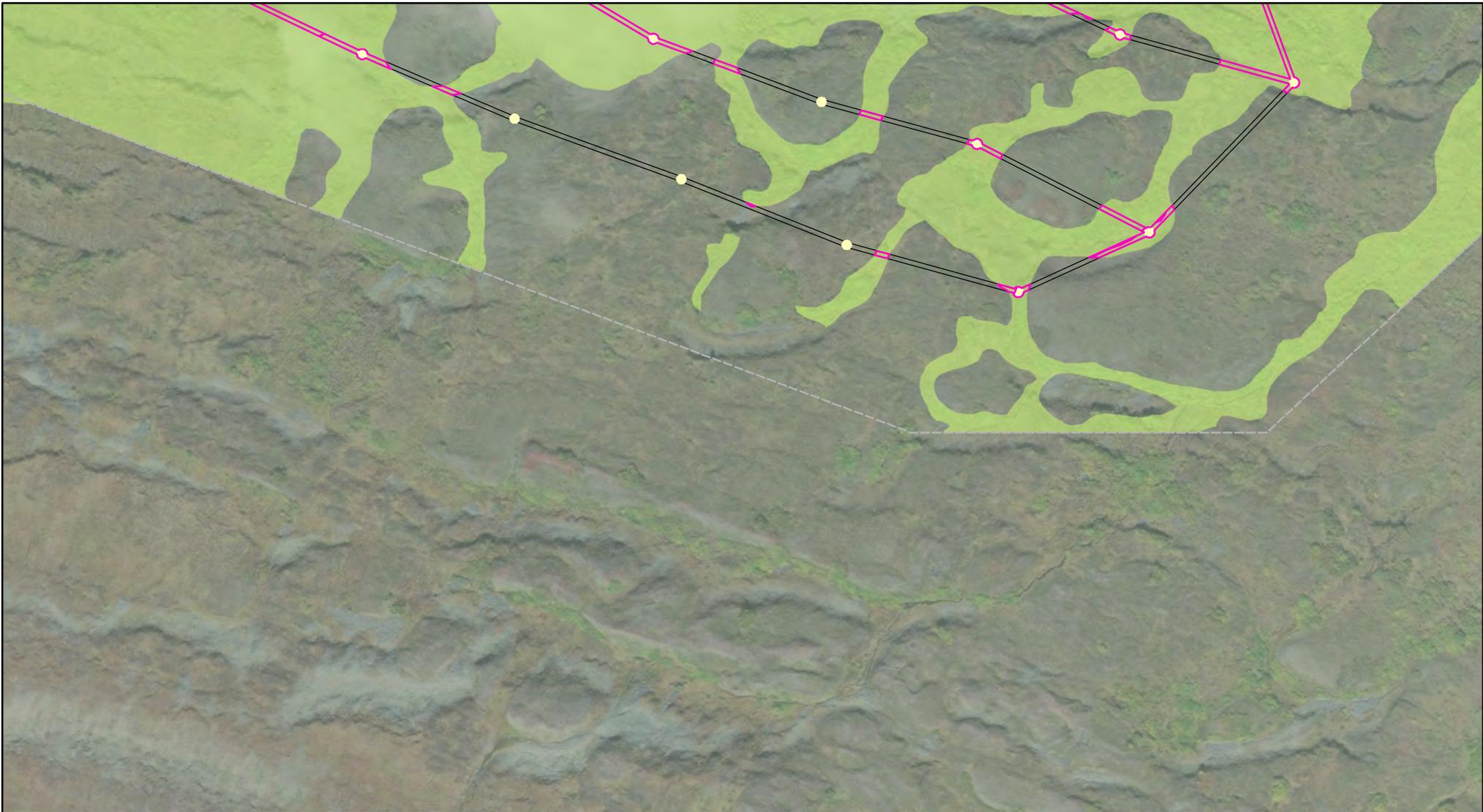


- Aquatic Resource Impact
- Rainy Creek Mining Road (Existing)
- Drill Pad (Proposed)
- Drill Road (Proposed)
- Rainy Creek Mining Road Extension (Proposed)
- Camp Pad (Proposed)

- Aquatic Resources Study Area
- Aquatic Resource Status**
- ~ Stream
- ~ Waterbody
- ~ Wetland



Applicant: Alaska Energy Metals	
File No.: POA-2025-00491	
Waterway: Delta River	
Proposed Activity: Nikolai Project Mineral Exploration	
Fairbanks Merid. T18S, R10E T19S, R9E T19S, R8E	
Lat.: 63.2485	Long.: -146.1547
Sheet: 16 of 23	January 2026

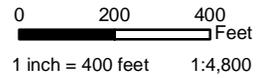


- Aquatic Resource Impact
- Rainy Creek Mining Road (Existing)
- Drill Pad (Proposed)
- Drill Road (Proposed)
- Rainy Creek Mining Road Extension (Proposed)
- Camp Pad (Proposed)

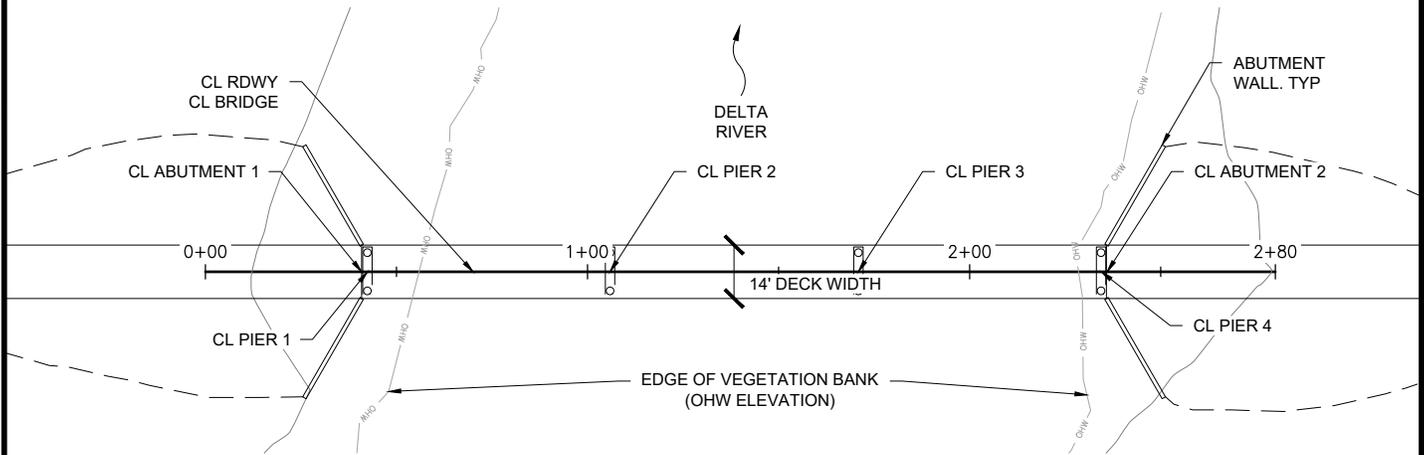
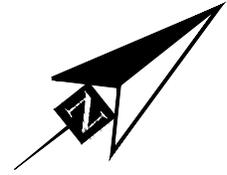
Aquatic Resources Study Area

Aquatic Resource Status

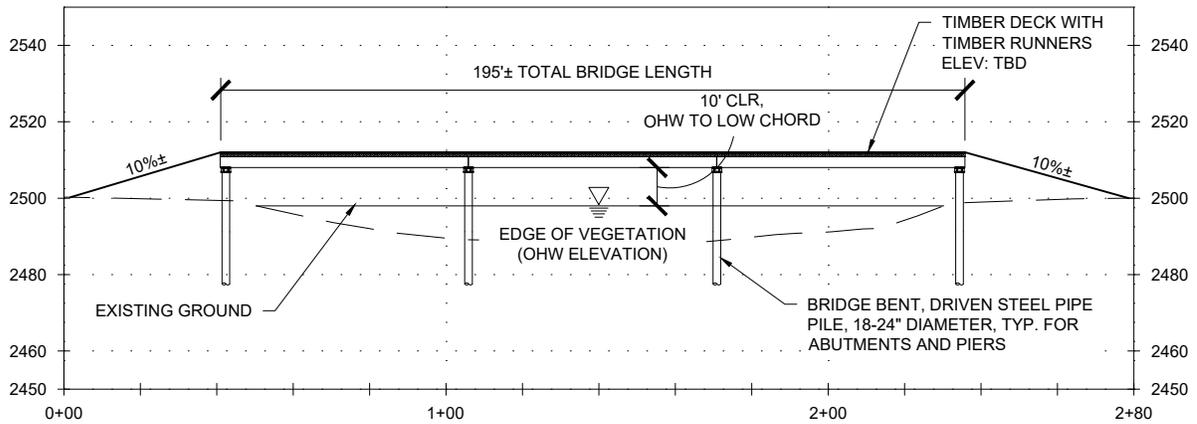
- ~ Stream
- ~ Waterbody
- Wetland



Applicant: Alaska Energy Metals	
File No.: POA-2025-00491	
Waterway: Delta River	
Proposed Activity: Nikolai Project Mineral Exploration	
Fairbanks Merid. T18S, R10E T19S, R9E T19S, R8E	
Lat.: 63.2422	Long.: -146.1549
Sheet: 17 of 23	January 2026



PLAN VIEW



ELEVATION VIEW

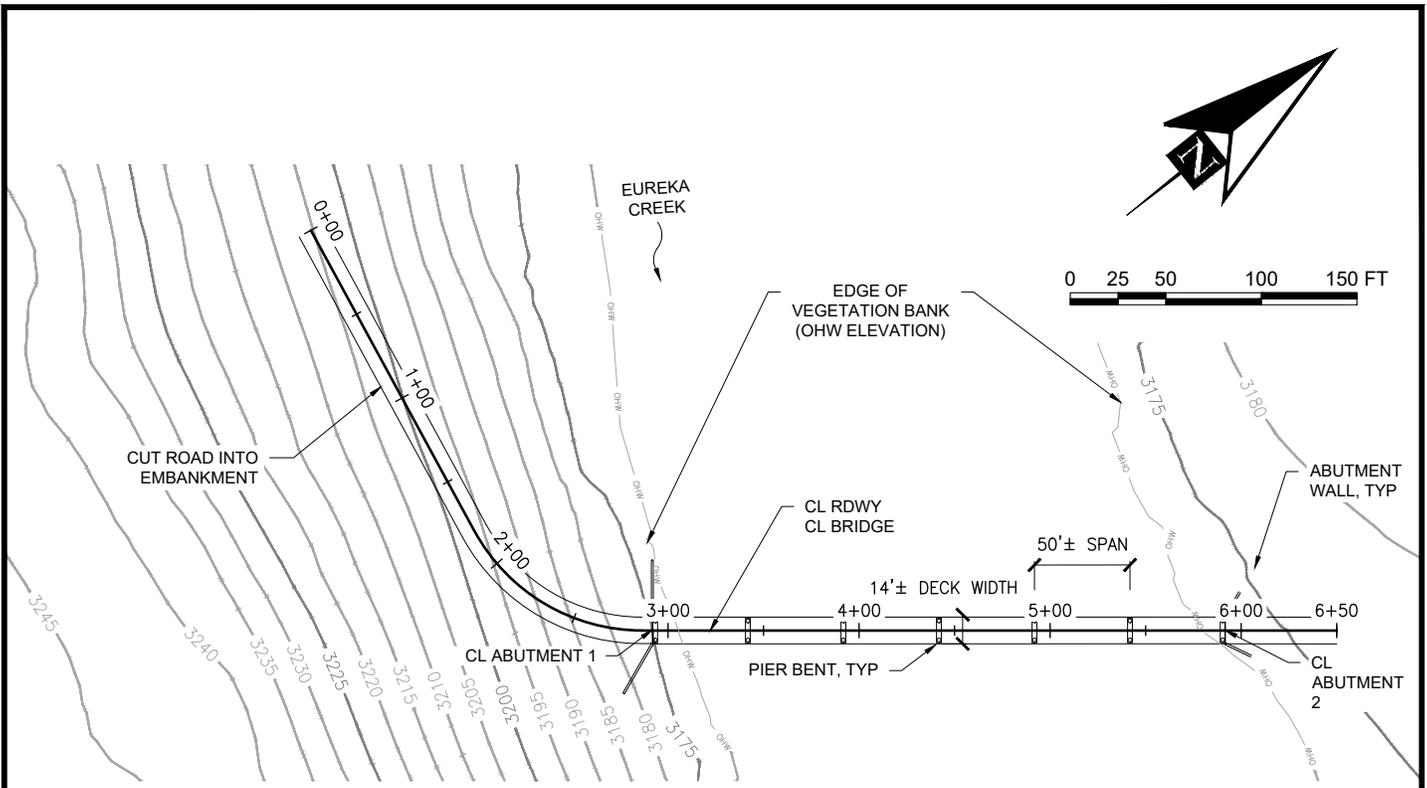
PILE QUANTITIES		
ITEM	ABOVE OHW	BELOW OHW
	QUANTITY (LPSM)	QUANTITY (LPSM)
BRIDGE PILES	4	4

PROJECT QUANTITIES						
ITEM	ABOVE OHW		BELOW OHW		PROJECT TOTAL	
	VOLUME (CY)	FOOTPRINT (ACRES)	VOLUME (CY)	FOOTPRINT (ACRES)	VOLUME (CY)	FOOTPRINT (ACRES)
STRUCTURAL FILL	1830	.17	0	0	1830	.17

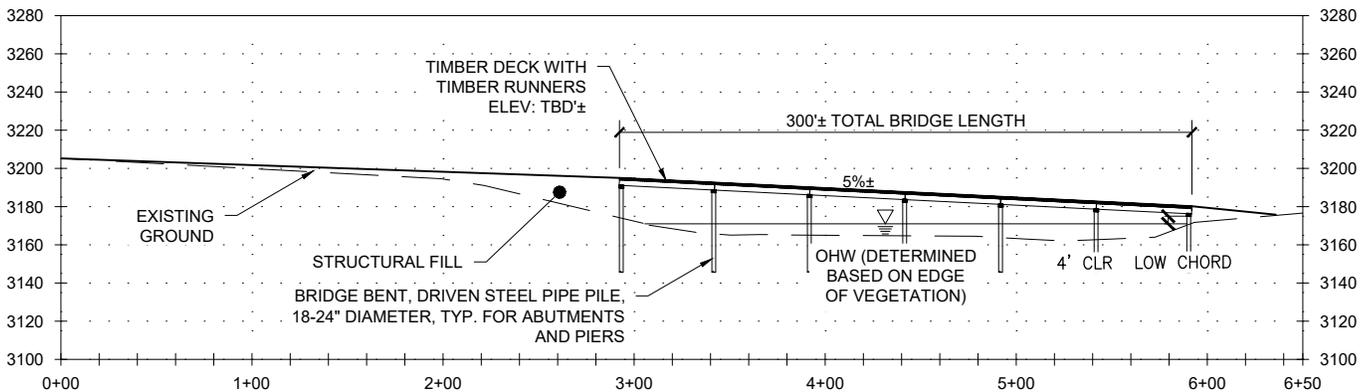
DELTA RIVER

NOTE: ALL INFO SHOWN HEREIN ARE BASED ON PUBLICALLY AVAILABLE LIDAR AND ARE INTENDED FOR PLANNING-LEVEL EVALUATION ONLY.

REFERENCE: POA-2025-00491
 APPLICANT: ALASKA ENERGY DEVELOPMENT CORP/POA
 PROPOSED: NIKOLAI PROJECT MINERAL EXPLORATION
 WATERWAY: DELTA RIVER, ALASKA
 SHEET **18 of 23** 1/14/2026



PLAN VIEW



ELEVATION VIEW

PILE QUANTITIES		
ITEM	ABOVE OHW	BELOW OHW
	QUANTITY (LPSM)	QUANTITY (LPSM)
BRIDGE PILES	2	12

PROJECT QUANTITIES						
ITEM	ABOVE OHW		BELOW OHW		PROJECT TOTAL	
	VOLUME (CY)	FOOTPRINT (ACRES)	VOLUME (CY)	FOOTPRINT (ACRES)	VOLUME (CY)	FOOTPRINT (ACRES)
STRUCTURAL FILL	1000	0.25	0	0	210	0.25
EXCAVATED CUT	1000	0.3	0	0	1120	0.3

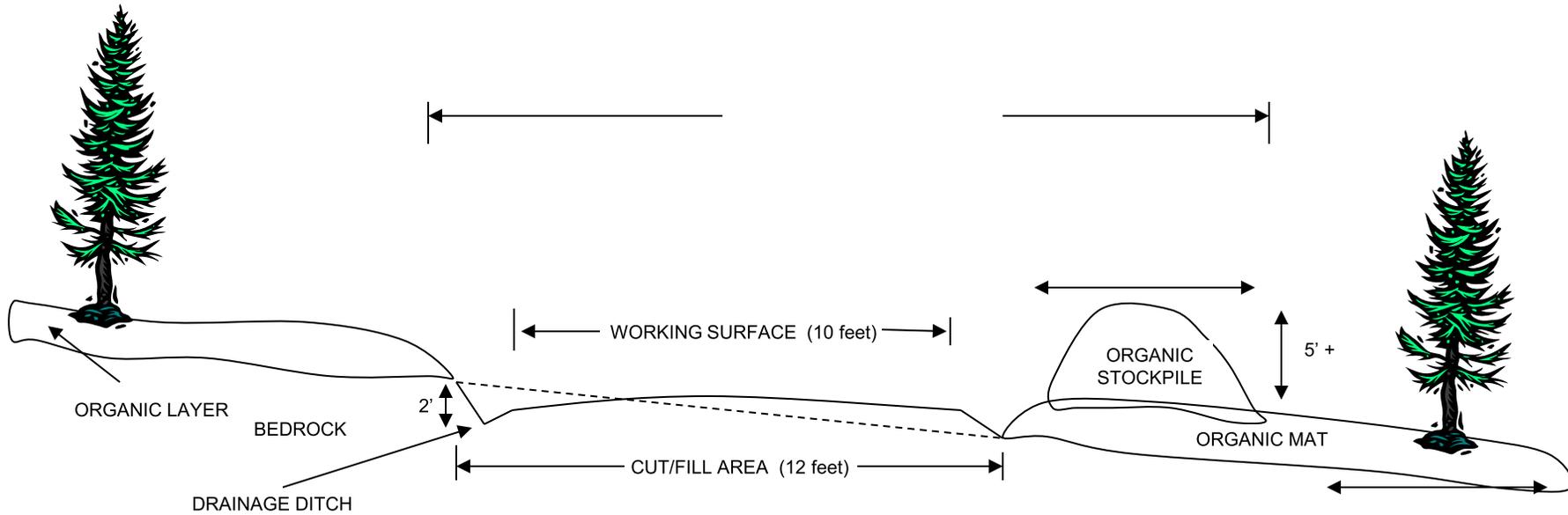
*EXCAVATED CUT USED AS ROAD FILL. NO IMPORT OR EXPORT OF MATERIAL IS PLANNED.

EUREKA CREEK

NOTE: ALL INFO SHOWN HEREIN ARE BASED ON PUBLICALLY AVAILABLE LIDAR AND ARE INTENDED FOR PLANNING-LEVEL EVALUATION ONLY.

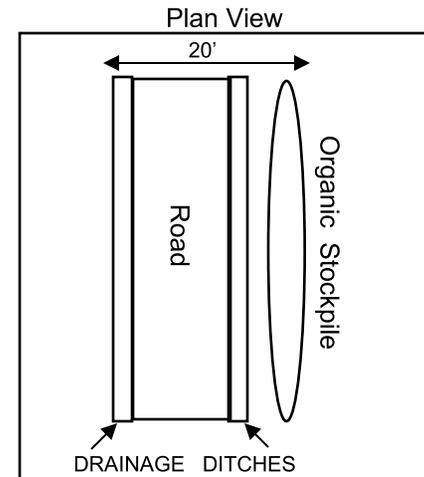
REFERENCE: POA-2025-00491
 APPLICANT: ALASKA ENERGY DEVELOPMENT CORP/POA
 PROPOSED: NIKOLAI PROJECT MINERAL EXPLORATION
 WATERWAY: EUREKA CREEK, ALASKA
 SHEET **19 of 23** 1/14/2026

Temporary Access Road Typical Section

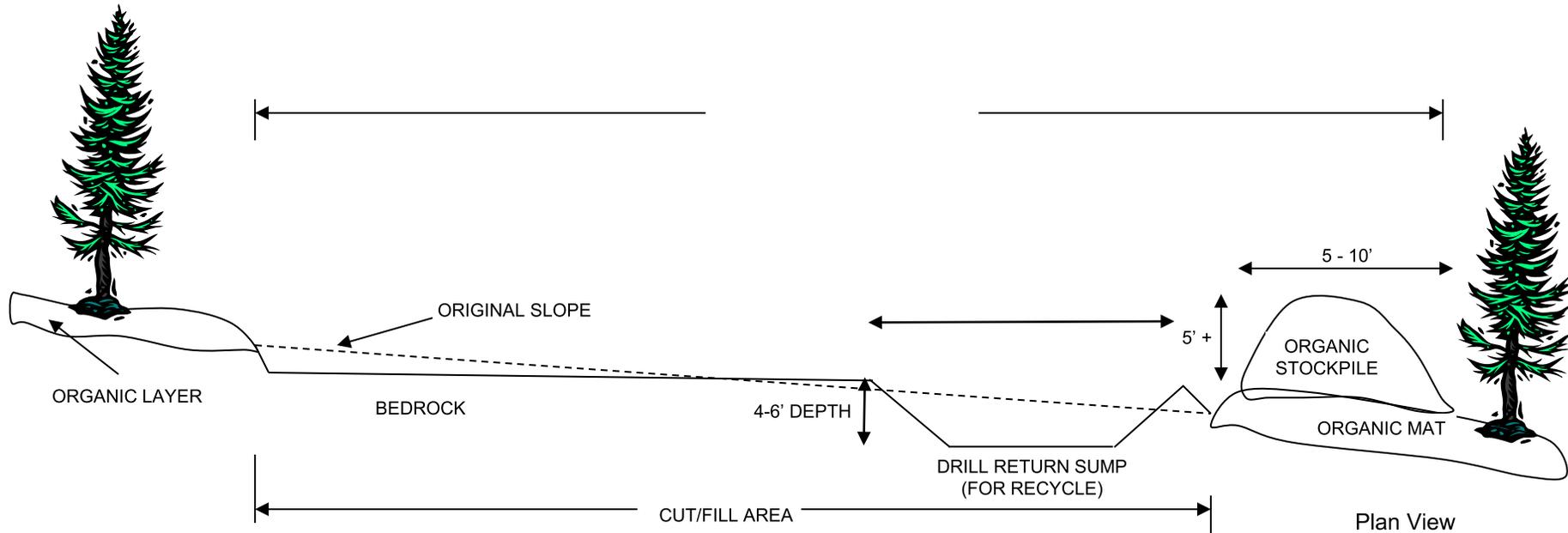


NOTES:

- ACCESS ROAD OPERATING SURFACE IS 12 FEET IN WIDTH.
- FILL WILL BE EITHER EXCAVATED BEDROCK FROM CUT PORTION OF ROAD OR GRAVEL.
- WHERE APPLICABLE, TOPSOIL AND ORGANIC MATERIALS WILL BE STOCKPILED ON DOWNGRADIENT SLOPE TO MINIMIZE IMPACTS TO ADJACENT WETLANDS.
- DURING RECLAMATION, ACCESS ROADS WILL BE RECONTOURED AND CAPPED WITH ORGANICS. IF AVAILABLE, CUT TREES WILL BE SCATTERED OVER THE RECONTOURED TRENCH TO PROMOTE REVEGETATION AND DISCOURAGE ACCESS.
- DEPTH OF CUT AND FILL WILL DEPEND ON SIDE SLOPE – ASSUME AVERAGE OF 2-FOOT CUT DEPTH ON UPSLOPE SIDE.
- RECLAMATION: ROADS WILL BE RECONTOURED WITH BEDROCK AND SOIL USED TO MAKE ROAD BED, THEN ORGANIC STOCKPILE WOULD BE DISTRIBUTED OVER AREA TO MITIGATE SHEET AND CHANNEL EROSION AND FOSTER REVEGETATION.

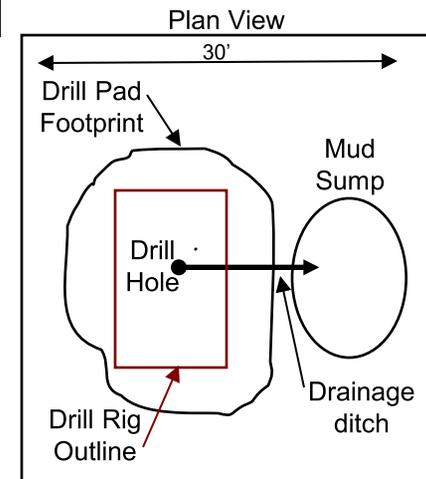


Bulldozer Supported Drill Pad Typical Section

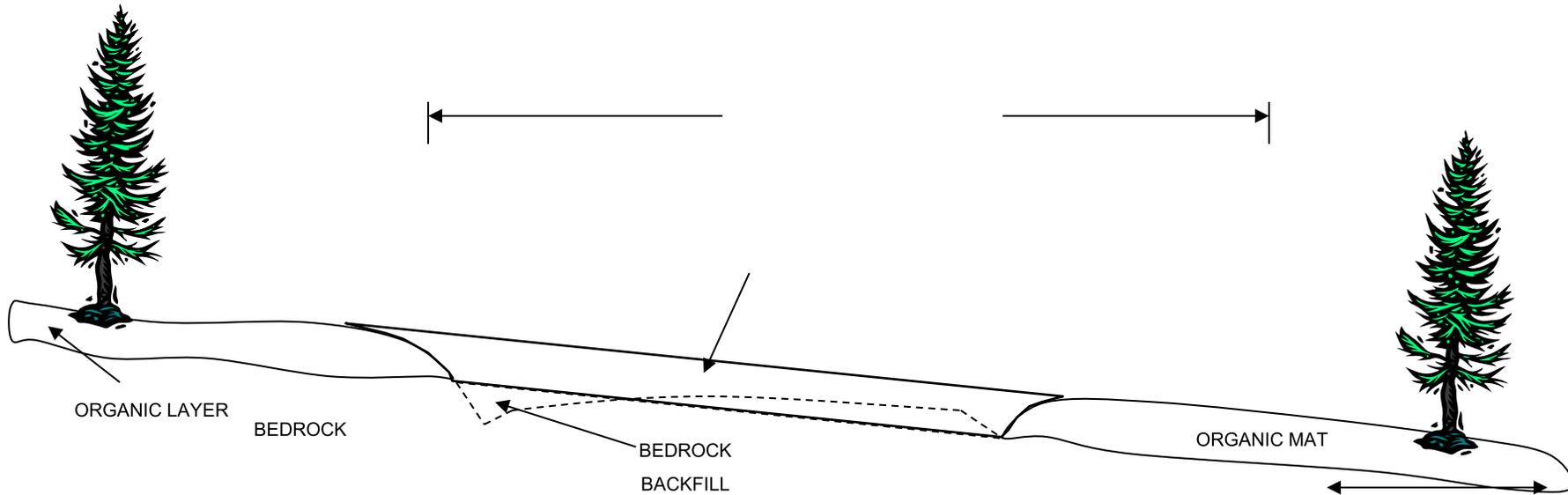


NOTES:

- DRILL PAD VARIES TO MAX OF 30 FEET DIAMETER.
- WHERE APPLICABLE, TOPSOIL AND ORGANIC MATERIALS WILL BE STOCKPILED ON DOWNGRADIENT SLOPE TO MINIMIZE IMPACTS TO ADJACENT WETLANDS.
- DURING RECLAMATION, DRILL PAD WILL BE RECONTOURED AND CAPPED WITH ORGANICS. IF AVAILABLE, CUT TREES WILL BE SCATTERED OVER THE RECONTOURED TRENCH TO PROMOTE REVEGETATION AND DISCOURAGE ACCESS.
- DEPTH OF CUT AND FILL WILL DEPEND ON SIDE SLOPE – ASSUME AVERAGE OF 2-FOOT CUT DEPTH ON UPSLOPE SIDE
- AVERAGE PAD SIZE 30' DIAMETER AND COVERING 0.03 ACRES
- DRILL WATER RECYCLE SUMP IS UNLINED AND AVERAGES 10 FEET IN DIAMETER AND 4-6 FEET DEEP, CONTAINING 34 CUBIC YARDS
- DIESEL FUEL FOR DRILL RIG AND SUPPORT EQUIPMENT IS STORED IN EACH UNIT'S ON-BOARD FUEL TANK AND EITHER 55-GAL DRUMS OR 110-GAL TANKS IN COMMERCIAL FUEL CONTAINMENT. THIS FUEL IS REPLENISHED FROM 100 GALLON TANKS IN DRILL SUPPORT PICKUP TRUCKS. MAXIMUM OF 330 GALLONS FUEL STORAGE ON-SITE.
- RECLAMATION: DRILL PADS AND SUMP WILL BE RECONTOURED WITH BEDROCK AND SOIL USED TO MAKE PAD, THEN ORGANIC STOCKPILE WOULD BE DISTRIBUTED OVER AREA TO MITIGATE SHEET AND CHANNEL EROSION AND FOSTER REVEGETATION.

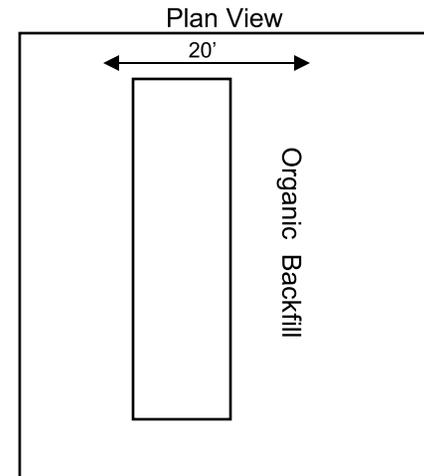


Reclaimed Temporary Access Road Typical Section

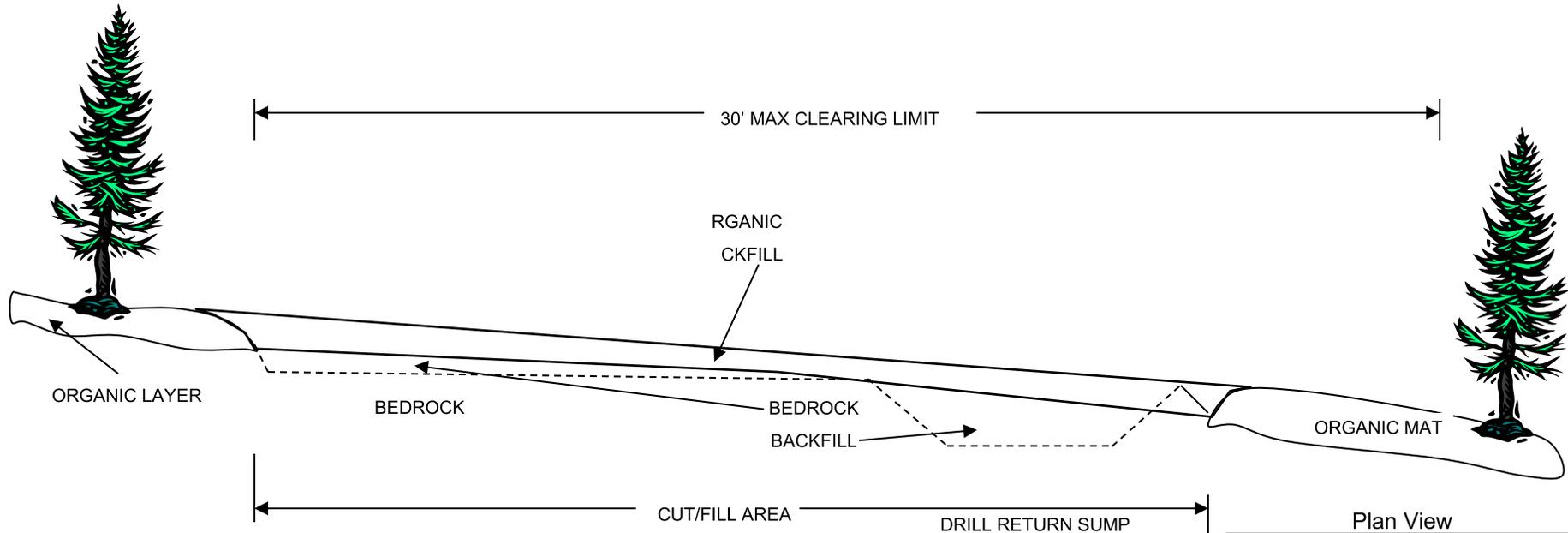


NOTES:

- ACCESS ROAD OPERATING SURFACE IS 12 FEET IN WIDTH.
- FILL WILL BE EITHER EXCAVATED BEDROCK FROM CUT PORTION OF ROAD OR GRAVEL.
- WHERE APPLICABLE, TOPSOIL AND ORGANIC MATERIALS WILL BE STOCKPILED ON DOWNGRADIENT SLOPE TO MINIMIZE IMPACTS TO ADJACENT WETLANDS.
- DURING RECLAMATION, ACCESS ROADS WILL BE RECONTOURED AND CAPPED WITH ORGANICS. IF AVAILABLE, CUT TREES WILL BE SCATTERED OVER THE RECONTOURED TRENCH TO PROMOTE REVEGETATION AND DISCOURAGE ACCESS.
- DEPTH OF CUT AND FILL WILL DEPEND ON SIDE SLOPE – ASSUME AVERAGE OF 2-FOOT CUT DEPTH ON UPSLOPE SIDE.
- RECLAMATION: ROADS WILL BE RECONTOURED WITH BEDROCK AND SOIL USED TO MAKE ROAD BED, THEN ORGANIC STOCKPILE WOULD BE DISTRIBUTED OVER AREA TO MITIGATE SHEET AND CHANNEL EROSION AND FOSTER REVEGETATION.



Reclaimed Bulldozer Supported Drill Pad Typical Section



NOTES:

- DRILL PAD VARIES TO MAX OF 30 FEET DIAMETER.
- WHERE APPLICABLE, TOPSOIL AND ORGANIC MATERIALS WILL BE STOCKPILED ON DOWNGRADIENT SLOPE TO MINIMIZE IMPACTS TO ADJACENT WETLANDS.
- DURING RECLAMATION, DRILL PAD WILL BE RECONTOURED AND CAPPED WITH ORGANICS. IF AVAILABLE, CUT TREES WILL BE SCATTERED OVER THE RECONTOURED TRENCH TO PROMOTE REVEGETATION AND DISCOURAGE ACCESS.
- DEPTH OF CUT AND FILL WILL DEPEND ON SIDE SLOPE – ASSUME AVERAGE OF 2-FOOT CUT DEPTH ON UPSLOPE SIDE
- AVERAGE PAD SIZE 30' DIAMETER AND COVERING 0.03 ACRES
- DRILL WATER RECYCLE SUMP IS UNLINED AND AVERAGES 10 FEET IN DIAMETER AND 4-6 FEET DEEP, CONTAINING 34 CUBIC YARDS
- DIESEL FUEL FOR DRILL RIG AND SUPPORT EQUIPMENT IS STORED IN EACH UNIT'S ON-BOARD FUEL TANK AND EITHER 55-GAL DRUMS OR 110-GAL TANKS IN COMMERCIAL FUEL CONTAINMENT. THIS FUEL IS REPLENISHED FROM 100 GALLON TANKS IN DRILL SUPPORT PICKUP TRUCKS. MAXIMUM OF 330 GALLONS FUEL STORAGE ON-SITE.
- RECLAMATION: DRILL PADS AND SUMP WILL BE RECONTOURED WITH BEDROCK AND SOIL USED TO MAKE PAD, THEN ORGANIC STOCKPILE WOULD BE DISTRIBUTED OVER AREA TO MITIGATE SHEET AND CHANNEL EROSION AND FOSTER REVEGETATION.

