

STATE OF ALASKA  
2025

Application for Permits to Mine in Alaska (APMA)

Single Year  Multi-year Start: 2026 Finish: 2030 APMA Number (A/F/J,Year,\*\*\*\*) 7067

What type activity are you planning to perform? *REQUIRED (1) <input type="checkbox"/> Suction Dredging/Reclamation <input type="checkbox"/> Reclamation Only <input checked="" type="checkbox"/> Placer Mining/ Reclamation <input type="checkbox"/> Access <input type="checkbox"/> Hardrock Exploration/ Reclamation	Surface estate of mineral properties: *REQUIRED (2) <input checked="" type="checkbox"/> State (General) <input type="checkbox"/> State (Mental Health) <input type="checkbox"/> Federal <input type="checkbox"/> Private <input type="checkbox"/> City or Borough
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Check All That Apply:  Mineral Property Owner  Lessee  Operator \*Required (3)

Name: David Krideman Primary Phone Number: (208) 625-9391  
 Address: 16 Barker Loop Secondary Phone Number: \_\_\_\_\_  
Pinehurst ID, 838500 Email: bunkerhill1mine@gmail.com  
 Click here for the Department of Commerce Link  
 Alaska Business/Corporation Entity# 2236154 Registered Agent (Corp./LLC/LP) \_\_\_\_\_

Check All That Apply:  Mineral Property Owner  Lessee  Operator \*Required (4)

Name: Metallogeny Inc. Primary Phone Number: 907 388 1944  
 Address: P.O. Box 82811 Secondary Phone Number: \_\_\_\_\_  
Fairbanks AK 99708 Email: jeffkeener@hotmail.com  
 Alaska Business/Corporation Entity# 952448 Registered Agent (Corp./LLC/LP) \_\_\_\_\_

Check All That Apply:  Mineral Property Owner  Lessee  Operator \*Required (5)

Name: \_\_\_\_\_ Primary Phone Number: \_\_\_\_\_  
 Address: \_\_\_\_\_ Secondary Phone Number: \_\_\_\_\_  
 \_\_\_\_\_ Email: \_\_\_\_\_  
 Alaska Business/Corporation Entity# \_\_\_\_\_ Registered Agent (Corp./LLC/LP) \_\_\_\_\_

Check All That Apply:  Mineral Property Owner  Lessee  Operator \*Required (6)

Name: \_\_\_\_\_ Primary Phone Number: \_\_\_\_\_  
 Address: \_\_\_\_\_ Secondary Phone Number: \_\_\_\_\_  
 \_\_\_\_\_ Email: \_\_\_\_\_  
 Attach a separate sheet for additional contacts  
 Alaska Business/Corporation Entity# \_\_\_\_\_ Registered Agent (Corp./LLC/LP) \_\_\_\_\_

Project Name If Applicable: (7) <u>Pioneer Bench Placer Exploration</u>	Average Number of Workers: *REQUIRED (8) <u>3 5</u>	Start-Up/Shut Down: (Month/Day) (9) <u>05/01</u> to <u>10/31</u>
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Mining District: *REQUIRED (10) <u>Hot Springs</u>	Applicable USGS Map(s): *REQUIRED (11) <u>Tanana A1 (048)</u>	On What Stream Is This Activity? (12) <u>Pioneer Creek</u>
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Legal Description of mineral properties to be worked (MTRS) *REQUIRED (13) Example: Fairbanks Meridian Township 001N Range 003E Sections 15, 16, and 21 or F 001N 003E Sec. 15, 16, and 21 <u>FM T004N, R013W Section 02</u>	Internal Use Only: State of Alaska Natural Resources JUN 03 2026 Mining Section RECEIVED
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Internal Use Only:  
 Date Application Received Complete: \_\_\_\_\_ Adjudicator: \_\_\_\_\_ LAS Entry: \_\_\_\_\_  
 Sec 3 CID: 71152 Sec 4 CID: 48312 Sec 5 CID: \_\_\_\_\_ Sec 6 CID: \_\_\_\_\_





# MV\_ST\_MINING

Source: Alaska Department of Natural Resources, Information Resource Management

Case ID	Case Status Description	Case Type Description	Claim Name	Customer Name	Notepost Date	Special Code Description	Total Acres
ADL 618378	Active (35)	Mining Claim (713)	PB02	Metallogeny Inc.	10-JUN-13	Mining Claim (MC)	39
ADL 717998	Active (35)	Mining Claim (713)	PB14	Metallogeny Inc.	09-AUG-13	Mining Claim (MC)	40

\*\*\*END OF REPORT\*\*\*

## Report Information

Source ID	60
Source Name	MV_ST_MINING
Source Description	
Run Date and Time	06/17/2026 10:14:37 AKDT
Record Count	2

## SQL Statement

CASE\_ID,CASE\_STATUS,CASE\_STATUS\_DESCRIPTI

**MINERAL PROPERTIES LIST**

**(14)**

Properties that have previous mining disturbance requiring reclamation, active mining/exploration activities, surface improvements, location of a camp, or provides access through the claim block for mining activities. **DO NOT LIST CLAIMS UNLESS LISTED ACTIVITIES ARE ASSOCIATED WITH THEM.**

If requesting more than 12 claims, are additional sheets with ADL/BLM/USMS and legal descriptions attached?  Yes  No  
 Are any of these mineral properties an Upland or Offshore Mining Lease? Yes  No

	ADL/BLM/USMS #	PROPERTY NAME		ADL/BLM/USMS #	PROPERTY NAME
1.	ADL 618378	PB 02	7.		
2.	ADL 717998	PB 14	8.		
3.			9.		
4.			10.		
5.			11.		
6.			12.		

**INVENTORY OF EQUIPMENT**

**(15)**

List all mechanized equipment to be used (make, model, type, size, purpose, and number of each, including pumps). Attach additional sheets as necessary. If you are transporting on a trailer to the claim block, include the trailer size.

**Check One:**

	Make, Model, Type, Size, Purpose of Equipment or Pump	Quantity of this type	Located on the claim block?	Transporting to claim block?
1.	Cat 330 Excavator	1		<input checked="" type="checkbox"/>
2.	Cat D6 Dozer	1		<input checked="" type="checkbox"/>
3.	Macon SD 300 Washplant	1		<input checked="" type="checkbox"/>
4.	International Service Box truck	1		<input checked="" type="checkbox"/>
5.	6" diesel pump	1		<input checked="" type="checkbox"/>
6.	3 RVs for camp	3		<input checked="" type="checkbox"/>
7.	3 Ford Work Trucks	3		<input checked="" type="checkbox"/>
8.	20 ft connex	1		<input checked="" type="checkbox"/>

**ACCESS TO THE CLAIM BLOCK**

**(16)**

Access across surface estates not owned by the State requires approval of the managing agency. It is the responsibility of the applicant to contact the owners of private property to obtain authorization for access.

When are you going to be transporting equipment and/or traveling to and from the claim block?  Winter  Summer

**Access to the claim block crosses what type of land(s)?**

State  City/Borough  Federal  Private

**Indicate type(s) Existing Access to the claim block:**

All season Road (These are public easements maintained by municipal, borough, private, or state funds for year round use). List road(s) to claim block: Elliot Hwy to Eureka Rampart Road, the RST 1899 or 1845

Existing Route or a RST/ RS 2477 Easement with a mineral base surface.  
 If the RST/ RS 2477 Easement(s) has a State of Alaska number, please list: Either RST 1899 or RDT 1845 to claim

Navigable Waterway

Aircraft Supported

**Indicate type(s) of access to be constructed within the claim block for development of the mineral resource:**

Road(s)  Helicopter Pad  Airstrip  No Improvments or Construction Proposed

*Block*

ACCESS TO THE CLAIM BLOCK, CONTINUED

(16)

Please describe your construction activities and include mitigation measures to protect water, fish and game resources. Include a time frame for final closure and a reclamation plan for access within the claim block. Attach additional pages if necessary:

Road access to claim block is existing and should require no improvements. Once on the claim block any access routes will be limited to the movement of equipment. At this time there are no plans for mineral activities South of Pioneer creek. Work will be in the summer months only May 1 until October 15 weather depending.

A access map **MUST** be submitted with your application. Topographic maps at a scale of 1"=1 mile must clearly indicate the proposed access route from start to finish, location of proposed construction activities, and appropriate legal descriptions (township and range) on each map sheet. Paper size should be limited to 8 1/2" x 11". Do not tape maps together.

Name the individual(s) or business(es) who will be conducting the travel:

David Kreidmand

List all equipment and vehicles conducting travel to/from the claim block, including vehicle weights and season of travel:

All equipment listed in Box 15 will need to mobilized out to the claim block. Heavy equipment and the Connex will be transported via lowboy trailer.

State the average total miles traveled in one round trip: ~400. State the number of trips proposed: as needed.

State the start and end date(s) or period(s) of proposed travel: May 1 to October 15 Weather Depending.

Select the following terrain type(s) that best describes your route of travel:  Wetlands  Tundra

Uplands  Rivers or Other Water Bodies  Wooded Areas (6" Trees or larger at breast height)

Will water be needed to construct ramps/ ice bridges?  Yes  No

If Yes, estimated quantity of water will be used: \_\_\_\_\_ gallons/day Water Source: \_\_\_\_\_

Are you transporting fuel?  Yes  No

Maximum volume of fuel (in gallons) that is being transported by one vehicle and any trailers or sleds it is towing:

300 gallons mobile tank and contained within a truck bed. At this time there is no other fuel storage proposed

Are you transporting other hazardous substances?  Yes  No If "Yes" indicate type and amount (e.g. gallons, lbs, psi):

Small commercial amounts (10 gallons) of motor oil, hydraulic fluids and grease will be on site and transported via work truck.

How are petroleum products contained? (i.e., drums, bladders, steel tanks, etc.) Indicate size of containers:

Truck mounted tanks and containers

How are petroleum products being transported? (i.e., skid-mounted tank, trailer, 55 gallon drums on skid, etc.)

Work Trucks

**ACCESS TO CLAIM BLOCK CONTINUED**

(16)

Does your travel include the staging or storage of equipment or structures off the claim block?  Yes  No  
If Yes, describe the location and dimensions of the long term or short term parking and/or storage areas.

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**PETROLEUM PRODUCT STORAGE**

(17)

Do you have an Oil Discharge Prevention and Contingency Plan approved by the Alaska Department of Environmental Conservation?  Yes  No

Do you have either a trained spill response team or a contract with a spill response company?  Yes  No

Describe any measures you plan to take to minimize drips or spills from leaking equipment or vehicles:  
See Narrative

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Quantity Petroleum Products to be Stored on the Project Site?

- 0-1,320 gallons of total storage (Secondary Containment recommended, but not required)
- 1,321-10,000 gallons of total storage (count only containers with a capacity of 55 gallons or greater). A self-certified Spill Prevention, Control, and Countermeasure (SPCC) plan is required and applies to all products, such as diesel fuel, gasoline, lube oil, hydraulic oil and waste oil. The self certified SPCC form can be downloaded at: <https://www.epa.gov/oil-spills-prevention-and-preparedness-regulations/tier-i-qualified-facility-spcc-plan-template>.
- 10,000+ gallons of total storage (count only containers with 55 gallons or greater storage capacity). An SPCC certified by a professional engineer is required and applies to all oil products, such as diesel fuel, gasoline, lube oil, hydraulic oil and waste oil.

Indicate Distance Stored From Flowing Waters: 100ft Feet. (Minimum distance from naturally occurring water bodies required by DNR is 100 feet).

Is waste oil stored on the project site?  Yes  No If Yes, describe quantity and storage modality: \_\_\_\_\_

Are fuel containment berms around storage containers?  Yes  No Is berm area lined?  Yes  No

BLM operators submitting a plan of operation must submit a spill contingency plan. Notice level operations are encouraged to submit a spill contingency plan. The optional BLM Spill Contingency Plan can downloaded from: [https://www.blm.gov/sites/blm.gov/files/BLM-AK\\_spill-contingency-plan\\_APMA\\_worksheetSup.pdf](https://www.blm.gov/sites/blm.gov/files/BLM-AK_spill-contingency-plan_APMA_worksheetSup.pdf)

**TEMPORARY STRUCTURES/FACILITIES**

**(18)**

Is a camp or placement of any temporary structure requested?  Yes  No

If "No", Please explain:

**Describe all temporary improvements (including buildings, tent platforms, out-buildings, etc., including their quantity, dimensions and building type.**

What type of property is the camp located on?  State  Federal  Private (Patented)  City or Borough  MHTL

If camp is on private land, provide location:

Proposed perimeter dimensions of camp: 60 Length (feet) 60 Width (feet).

Request use of **existing** facilities, list ADL(s):  
 Year-Round  Seasonal, from Approx. \_\_\_\_\_ to \_\_\_\_\_, annually.

Request to place **new** temporary structures, list ADL(s): 717998  
 Year-Round  Seasonal, from Approx. 5/1 to 10/15, annually.

	Temporary New Structures Quantity	Existing Structure Quantity	Use (Shop, office, etc.)	Dimensions (ft x ft)	Dimensions (ft x ft)	Dimensions (ft x ft)
Framed						
Tent						
Trailer	(1) 20ft connex		Work shop and containment center	20 ft		
Platforms						
Out-Buildings	Pit Privy					
Other:	(3) 20 30 RV/s		Camp location for miners			

*\* If Required, list any other structures on a separate sheet, include dimensions, use, and type.*

**Grey Water and Biological Waste** - Describe storage and proposed method of disposal (e.g., leach line, septic, holding tank, or pit privy):

Pit Privy

**Solid Waste** - Describe the types of waste that will be generated on-site including garbage, scrap metal, industrial; and describe its disposal method. Note: For on-site disposal on state land, additional authorization is required by DEC and DNR outside of the APMA. Any Solid Waste will be back hauled and disposed of at an approved regulated location

What is the distance grey water, biological, and solid waste will be located from the ordinary high water mark of the nearest freshwater body (lake, stream, river, rivulet, etc.), or the mean high water mark of a saltwater body: 100 ft.

Will there be any use of animals (horses, dogs, goats/sheep, etc)?  Yes  No

**Required: Dismantle and Removal for Structures:** Provide a plan for dismantling and removing structures, equipment, and storage tanks. Include the method and timeline for restoration of all location areas.

All equipment will be move in and out of the camp location via Lowboy trailer. At this time, equipment is not propped to be stored on site during the winter months.



**EXPLOSIVES**

(21)

Will explosives be used?  Yes  No If "Yes", Indicate: Type: \_\_\_\_\_ Amount: \_\_\_\_\_  
 Explosive Handler's Certification/ATF Permit Numbers: \_\_\_\_\_  
 Describe your blast design, blast schedule, and explosives handling plan in the project narrative.

**WATER ENTRAPMENT**

(22)

Will you be capturing water for use in mining operations?  Yes  No The entrapment is:  Existing  To be constructed  
 Where does the water have a potential to being stored?  Above ground  Below ground level  Both  
 If above ground, what is the Length 100 ft Height 3 ft Width at crest 3 ft Width at base 3 ft of the berm(s)  
 What is the purpose of the water use?  Makeup water pond  Settling/recycle pond  Stream diversion Other \_\_\_\_\_  
 How long do you expect for the entrapment to be in place  Permanent  1-3 years  3-5 years  5 or more  
 If above ground, how many acre-feet is the maximum capacity of water stored from ground level to crest of the berm? <1  
 Total volume in acre-feet = surface area (acres) x average depth (feet) (1 acre = 43,560 square feet)  
 Where is the topographic location of the water storage area?  Valley bottom  Hillside  
 If on a hillside, Approximately how many feet is the water storage above the valley floor \_\_\_\_\_ ft

**IN-STREAM ACTIVITIES and STREAM CROSSINGS**

(23)

List any equipment (refer to Box 15 if necessary) that will be crossing streams (including low-water crossings along established trails/roads) or used in any natural waterbody or used in-stream:

(1) 6" pump. No Stream Crossing Required

List all stream crossings, suction dredge or pump locations, including unnamed streams.

	Stream Name/ Water Source	NAD 83 Datum (approximate) Coordinates can be obtained using Alaska Mapper <a href="http://dnr.alaska.gov/mapper/controller">http://dnr.alaska.gov/mapper/controller</a>		MTRSC ¼ ¼ Ex: F001S001N01 SWSW	Check boxes to indicate type(s) of activity		
		Latitude ddd.mmmm	Longitude -ddd.mmmm		Crossing	Dredging	Water Intake
1.	Pioneer Creek	65.2032 N	150.1268 W	FM T004N R013 W	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2.					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If in-stream activities and/or stream crossings are requested at more than 5 locations, please provide tabular data format.

**WATER USE AUTHORIZATIONS**

If water is impounded, withdrawn, or diverted, the ADNR Water Resources Section needs to review the water sources and water uses to determine if a water use authorization is needed. Water usage (including from 100% recycle pond systems) may require approval by issuing a Temporary Water Use Authorization (TWUA) or a Water Right. Information provided below will be used to determine the quantity of water that you may be authorized to use for your mining operation. When estimating water quantities, please estimate withdrawal amounts typical of a dry summer and provide the maximum quantity that you may withdraw from a particular source (e.g., stream, pond, groundwater, etc.) in a season. A TWUA application may be initiated from this APMA, unless a Water Right is requested. Please contact the ADNR, Water Resources Section at telephone number (907) 451-2790 for more information.

- Is there a current Water Right within the proposed mineral property boundary? Yes  No
- If yes, provide the LAS or ADL Water Right Case File number:
- What are the months of water use needed (for example May 1<sup>st</sup> through October 31<sup>st</sup>)? 5/1 - 10/15

**Name & Location of Water Source(s):**

- If water is required **to fill** or **to maintain** water in the recycle/settling pond system check the applicable box (table below in part A) for each water source used. Please note that a recycle/settling pond system is a water source (5 sources per TWUA). Stormwater from rainfall or snowmelt do not require water use authorizations.
- Identify each water source and its geographic location using MTRS. Include Lat/Long coordinates if available.

Example: Finger Lake: Fairbanks Meridian, Township 3 North, Range 3 West, Section 20.

MTRS: F3N3W 20

Lat/Long: 65° 4' 15" N; 148° 12' 43" W

**A. Name & Location of Water Source(s).** No more than 5 water sources per TWUA. Attach list of additional sources if needed. A \$450 fee is associated with each TWUA. The APMA paperwork is all that is needed to apply for TWUAs. For example, if there are 20 sources listed in the APMA, 4 TWUA case files will be generated. **When submitting an APMA, a separate Application for Temporary use of Water form is not needed.**

Provide the geographic name or locally know name of water Source. (Recycle/settling ponds, creek, stream, well, etc.)  If requesting a stream reach, clearly identify the entire stream reach on a legible map.	Meridian	Township	Range	Section(s)	Start-Up Water and/or Make-Up Water? Check each applicable box.			
					Start-Up	Make-Up		
<u>Example:</u> Unnamed Creek	F	3N	3W	20	Start-Up	X	Make-Up	X
1. Pioneer Creek	FM	004N	013W	2	Start-Up	<input checked="" type="checkbox"/>	Make-Up	<input checked="" type="checkbox"/>
Latitude: 65.2032 N					Longitude: 150.1268 W			
2.					Start-Up	<input type="checkbox"/>	Make-Up	<input type="checkbox"/>
Latitude:					Longitude:			
3.					Start-Up	<input type="checkbox"/>	Make-Up	<input type="checkbox"/>
Latitude:					Longitude:			
4.					Start-Up	<input type="checkbox"/>	Make-Up	<input type="checkbox"/>
Latitude:					Longitude:			
5.					Start-Up	<input type="checkbox"/>	Make-Up	<input type="checkbox"/>
Latitude:					Longitude:			

**WATER USE AUTHORIZATIONS CONT.**

**(24)**

**B. Water Use Activities.** Complete applicable information for each source. For recycle/settling pond system complete part **C. Recycle/Settling Pond System**. For stream diversions also complete Section 29.

<b>Geographic Name of Water Source</b> <i>(Same as sources Above).</i>	<b>Diversion</b> <b>(gpm/cfs)</b>	<b>Withdrawal</b> <b>Rate</b> <b>(gpm/pump)</b>	<b>Number of</b> <b>Pumps</b>	<b>Hours per Day</b>	<b>Days per Month</b>
Describe the water use information for each source. For recycle/settling pond system complete Section C.					
1. Pioneer Creek		1500	1	12	30
2.					
3.					
4.					
5.					

<b>C. Recycle/Settling Pond System</b>	<b>Withdrawal Rate</b> <b>(gpm/pump)</b>	<b>Number of</b> <b>Pumps</b>	<b>Hours per</b> <b>Day</b>	<b>Days per</b> <b>Month</b>	<b>Additional Notes:</b>
This system will also need to be listed as a water source in Section A. This entire pond system counts towards the 5 sources allowed per TWUA. Provide Length (L), Width (W), and Depth (D), of each pond. Beaver ponds or similar nature made impoundments will not be permitted for use as settling ponds.	1500	1	12	30	
	Pond # 1: L: 10 ft W: 25 ft D: 10 ft			Pond # 2: L: ___ ft W: ___ ft D: ___ ft	
	Pond # 3: L: ___ ft W: ___ ft D: ___ ft			Pond # 4: L: ___ ft W: ___ ft D: ___ ft	

<b>D. Camp Water Uses</b>	<b>Maximum</b> <b># of People</b> <b>in Camp</b>	<b>Withdrawal</b> <b>Rate</b> <b>(gpm/pump)</b>	<b>Number</b> <b>of</b> <b>Pumps</b>	<b>Hours per</b> <b>Day</b>	<b>Days per</b> <b>Month</b>	<b>Source(s) of Water</b> Well, Haul, Stream, Spring, Lake Source(s) will count towards the 5 sources identified in Section A.
Provide information on camp water uses. If an ADEC public drinking water system is used, please attach certificate to operate and/or associated documents.	5					Haul
Additional Notes:						

**WATER USE AUTHORIZATIONS CONTINUED**

(24)

<b>E. Exploration Activities</b>	<b>Is Water Needed for Exploration, Trenching or Drilling?</b>	<b>Withdrawal Rate (gpm/pump)</b>	<b>Number of Pumps</b>	<b>Hours per Day</b>	<b>Days per Month</b>	<b>Source(s) of Water</b> Well, Haul, Stream, Spring Lake, etc. Source(s) will count towards the 5 sources identified in Section A.
A map of your requested drilling water sources is required with the following information: -MTRS sections, -stream reaches or other water sources (please label, including take points if known) -and drill hole locations.	No					

**D. SUCTION DREDGING.**

If suction dredging activity is occurring, please ensure that you have completed the dredge table in Section (19) MINING METHOD.

**TIMBER CLEARING AND USE**  
*(Operations on State Lands Only)*

(25)

Pursuant to AS 38.05.255, timber from land open to *mining without lease*, except "timberland", may be used by a mining claimant or prospecting site locator for the mining or development of the location or adjacent claims under common ownership. Timber not used for the mining or development of the location or adjacent locations, that is *removed* from the operation must be acquired via timber sale or written letter of non-objection from the Alaska Division of Forestry.

For questions on the appropriate use of timber on federal mining claims, contact your local BLM field office.

On other lands ("timberlands" and in areas that are closed to mining without lease), timber cleared, used and/or removed must be acquired via a timber sale or a written letter of non-objection from the Alaska Division of Forestry.

Will timber be used for the mining or development of the location or lease?  Yes  No

Describe the timbered area or areas to be cleared; include a map or drawing of the areas of timber to be cleared.

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Describe the amount of timber to be used for the mining or development of the location or lease and the clearing methods you will use.

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Are more than 40 acres of timbered area(s) to be cleared?  Yes  No

11 AAC 86.145. "A classification or designation indicating that timber and other forest products of significant value are included within a mining property is prima facie evidence that the land on which the property is located is considered to be "timberlands" for purposes of AS 38.05.255"

**WASTEWATER DISCHARGE PERMIT APPLICATION**

(26)

All mechanical placer mine, suction dredge, and mechanical dredge operations that discharge to a water of the U.S. require an Alaska Pollutant Discharge Elimination System (APDES) permit from DEC. See Cover Pages for a list of APDES permit fees.

Operations wishing to discharge under the APDES Small Suction Dredge General Permit (dredges with intake diameters of 6" or less, or highbankers) may skip this section but must complete annual online registrations, including \$25 fee payments, at <https://dec.alaska.gov/water/edms>.

Previously issued DEC-APDES Wastewater discharge permit #: \_\_\_\_\_

Do you want this APMA to act as an application or renewal for any of the following APDES general permits (GPs):

- Mechanical Placer Miners GP (open-cut terrestrial operations):  Yes  No
- Medium-Size Suction Dredge GP (nozzle diameter greater than 6" to 10"):  Yes  No
- Norton Sound Large Dredge GP (nozzle diameter greater than 10" or mechanical dredge):  Yes  No

Waterbody the discharge flows directly into, or would potentially flow: Pioneer Creek

**Approximate coordinates of mine site:**

Latitude: 65.2025 N Longitude: 150.1322 W

Source (e.g., DNR - Alaska Mapper): AK Mapper

\*Mechanical placer operations that do not elect coverage under the Mechanical Placer Miners GP may be required to obtain coverage under the Multi-Sector General Permit for Storm Water. Contact DEC to terminate a permit.

**Optional\* - Mixing Zone Request or Termination for Mechanical Placer Mine Operations**

Do you wish to apply for a mixing zone and modified turbidity limit from DEC?  Yes  No

If a mixing zone is requested, provide the following:

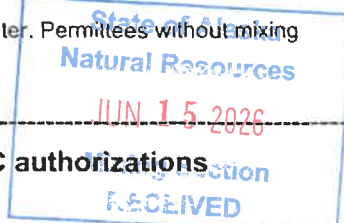
Coordinates of discharge location: Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

Maximum Effluent Flow anticipated from your operation \_\_\_\_\_ (GPM) [must be greater than zero (0)].

Distance to nearest downstream drinking water source \_\_\_\_\_ and downstream placer mine \_\_\_\_\_

Do you wish to terminate an active authorized mixing zone?  Yes (APDES# \_\_\_\_\_)  No

\*A mixing zone authorizes an increase in the permit's turbidity limit based on available dilution from the surface water. Permittees without mixing zones must meet the water quality standard for turbidity at the point of discharge into the surface water.



**Certification Statement – applicable only to information required for DEC authorizations (required for all DEC permit or mixing zone applicants)**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature of Responsible Party: David Kriedeman

Responsible Party Name (First Last, Position) - Printed: David Kriedeman

Business Name (if applicable) - Printed: \_\_\_\_\_

SECTION 404 WETLANDS PERMIT

(27)

JURISDICTIONAL DETERMINATION (CORPS JD) and MITIGATION STATEMENT

All Placer Mining applicants are required to contact the Corps of Engineers for submittal requirements.

A complete application for a Department of the Army (DA), U.S. Army Corps of Engineers (Corps) Section 404 permit includes a description of project impacts (contained in the APMA), a Jurisdictional Determination (JD) and a Mitigation Statement. The applications for the JD and the Mitigation Statement are contained in two Corps Supplements, which may be attached to this APMA. The Supplements may be downloaded from the Corps and DNR websites, or obtained directly from a Corps office in paper copy, by email, or mail. Please contact the Corps to determine what supplements are required.

The Supplements are available at: <https://www.poa.usace.army.mil/Missions/Regulatory/Placer-Mining/>

**Corps Supplement, Attachment 1, Jurisdictional Determination:** Attachment 1 must be filled in and submitted to the Corps for **all new placer applications (New and Existing Operations)**. Photos of your mine site are required. Your JD will be valid for five years. Your photos will be used only for the purpose of conducting an offsite JD.

**Corps Supplement, Attachment 2, Mitigation Statement:** Alaska District regional mitigation policy for placer mining operations under this General Permit (GP) emphasizes avoidance and minimization of impacts; **compensatory mitigation is not required**. However, by regulation, a Mitigation Statement covering measures for avoidance, minimization, and compensatory mitigation, or, a reason why compensatory mitigation is not proposed, must be submitted to the Corps with each new APMA for projects that impact waters of the U.S.

State of Alaska  
Natural Resources  
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Mining Section  
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Provide the Latitude and Longitude of the operation location (DD, NAD83):

Latitude: 65.2025 N Longitude: - 150.1322 W

Source (e.g., DNR - Alaska Mapper): Alaska Mapper

Please list Corps permits previously issued for this site: POA- \_\_\_\_\_ , POA- \_\_\_\_\_

**Certification Statement**

The Alaska District will accept the APMA as a pre-construction notification, pursuant to 33 CFR 320.1 (c). Application is hereby made for a permit to authorize the work described in this APMA. I certify the information in the APMA, and any required Supplements, is complete and accurate. I further certify that I possess the authority to undertake the work described herein or am acting as the duly authorized agent of the operator/ applicant.

Operator or Agent:

David Kriedeman  
Print Name

David Kriedeman  
Signature

\_\_\_\_\_  
Date

**STREAM DIVERSION AND CULVERTS**

(28)

**A MAP OF COMPLETE STREAM DIVERSION IS REQUIRED:** The map MUST show the entire length of the diversion (i.e., where the water is diverted from the natural stream channel to where it returns to the natural stream channel) with start and end locations clearly marked. Pending on the scale of the proposed diversion, additional maps, construction details, and a stream reclamation plan may be requested in addition to this section after initial review. Operations on BLM lands that are proposing a stream diversion are encouraged to contact their local field office as early as possible in the permitting process due to additional requirements. **Contact ADF&G, Habitat Section for Fish Habitat Permitting information regarding diversion requirements.**

**Please note:** A stream diversion structure may also qualify as a dam and be subject to the Alaska Department of Natural Resources Dam Safety Program per definitions provided in AS 46.17.900(3). If you require further regulatory guidance regarding dams, please contact our Dam Safety and Construction Unit, Dam Safety Engineer at (907) 269-8636, or for more information go to the Alaska Dam Safety Program website at: <http://dnr.alaska.gov/mlw/water/dams/>

Is Stream Diversion Required?  Yes (if Yes, complete information below).  No

Stream Name: \_\_\_\_\_

Existing (Date Constructed \_\_\_\_\_)  To Be Constructed (Date \_\_\_\_\_)

Diversion Start/upstream Location (Lat/Long) \_\_\_\_\_

Diversion End/Downstream Location (Lat/Long) \_\_\_\_\_

Is Stream Diversion?  Permanent  Temporary \_\_\_\_\_ year(s) \_\_\_\_\_ months

Will diversion be reclaimed annually prior to freeze-up or be retained throughout the mine life?

Annually reclaimed/returned to natural stream  Maintained throughout mine life

Dimensions of existing stream in diversion area:

Length \_\_\_\_\_(ft) Top Width\_\_\_\_(ft) Bottom Width\_\_\_\_(ft) Depth\_\_\_\_(ft) Floodplain Width\_\_\_\_(ft)

Dominant substrate type (Choose Two):  Bedrock  Boulder  Cobble  Gravel  Sand  Silt/Clay

Dimensions of proposed diversion:

Length \_\_\_\_\_(ft) Top Width\_\_\_\_(ft) Bottom Width\_\_\_\_(ft) Depth\_\_\_\_(ft) Floodplain Width\_\_\_\_(ft)

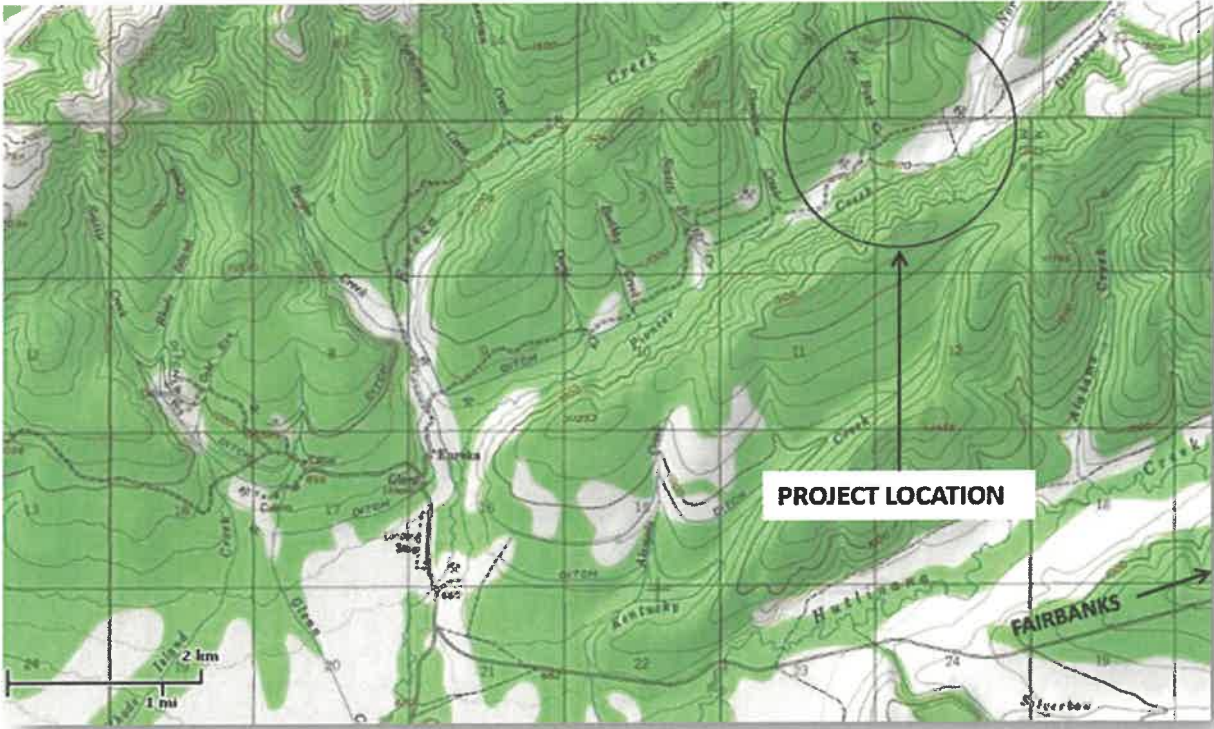
**Note:** The general geomorphology (e.g., meander, width/depth, pools/runs, etc.) and instream components (e.g., large woody debris, boulder/cobble, etc.) of the natural stream should be mimicked to the extent practicable.

**\*Required: A written stream diversion narrative in addition to this form. The narrative should describe the following:**

- 1.) Step by Step Procedures**
- 2.) Construction Techniques**
- 3.) Reclamation Techniques**
- 4.) Timelines**

Are culverts being installed in any natural water-body or diversion structures? Yes/No \_\_\_\_\_  
If yes include culvert locations, sizes and length on a map or table.

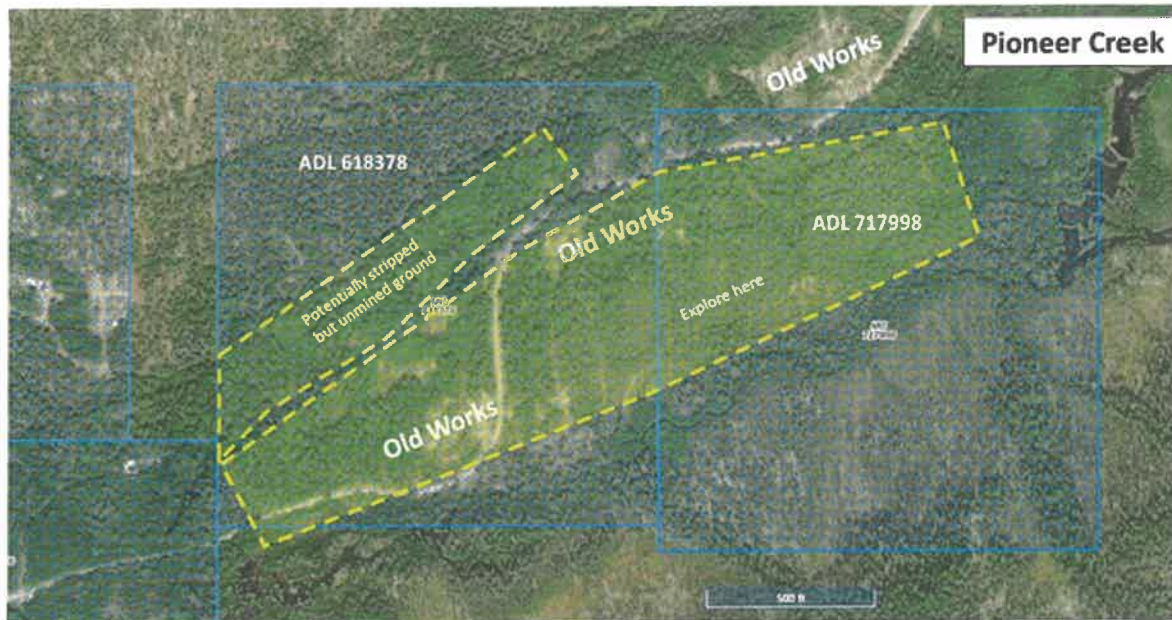
**Pioneer Bench Placer Exploration Program**  
**Tanana (A-1) Quadrangle, Hot Spring Mining District**  
**Pioneer Creek, 65.201344N, 150.13127 W**



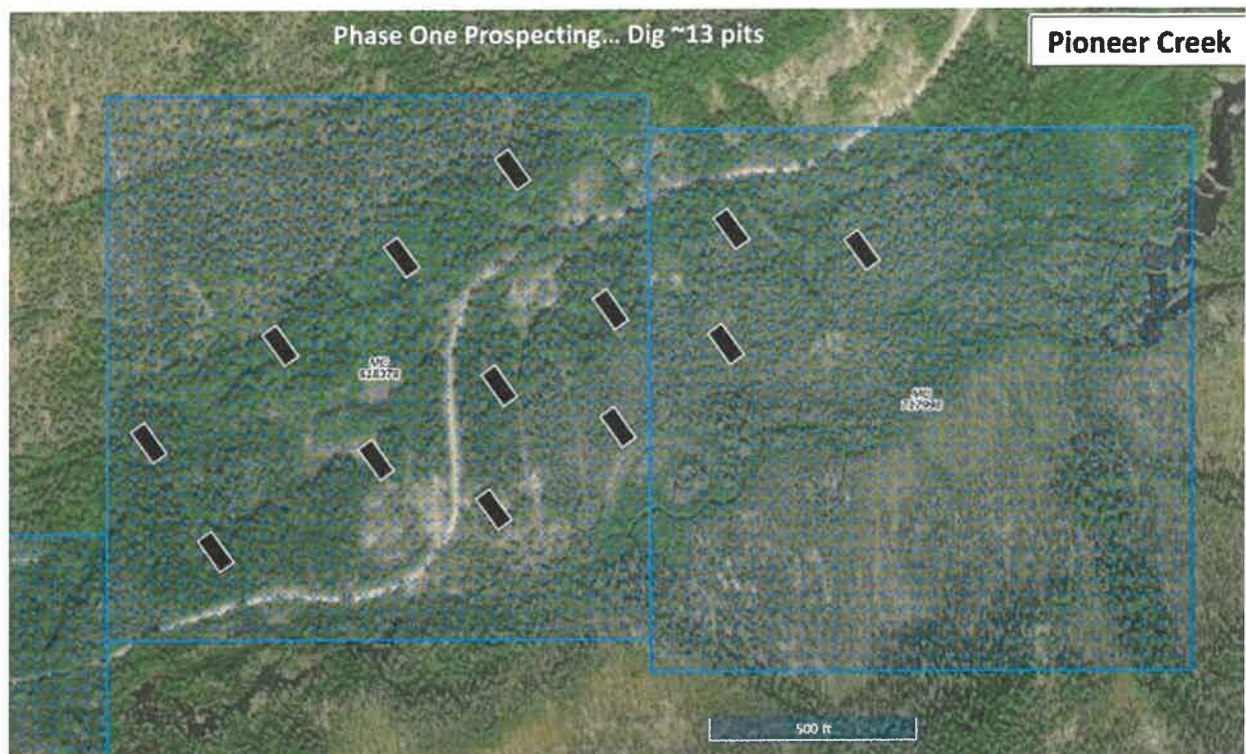
**Map 1. Project Location**



**Map 2. Access Route to Claim Block. From Fairbanks to Elliot Hwy, to Eureka-Rampart Road, to RST 1899 or 1845 to claim block. All heavy equipment will be transported via Lowboy Trailer.**



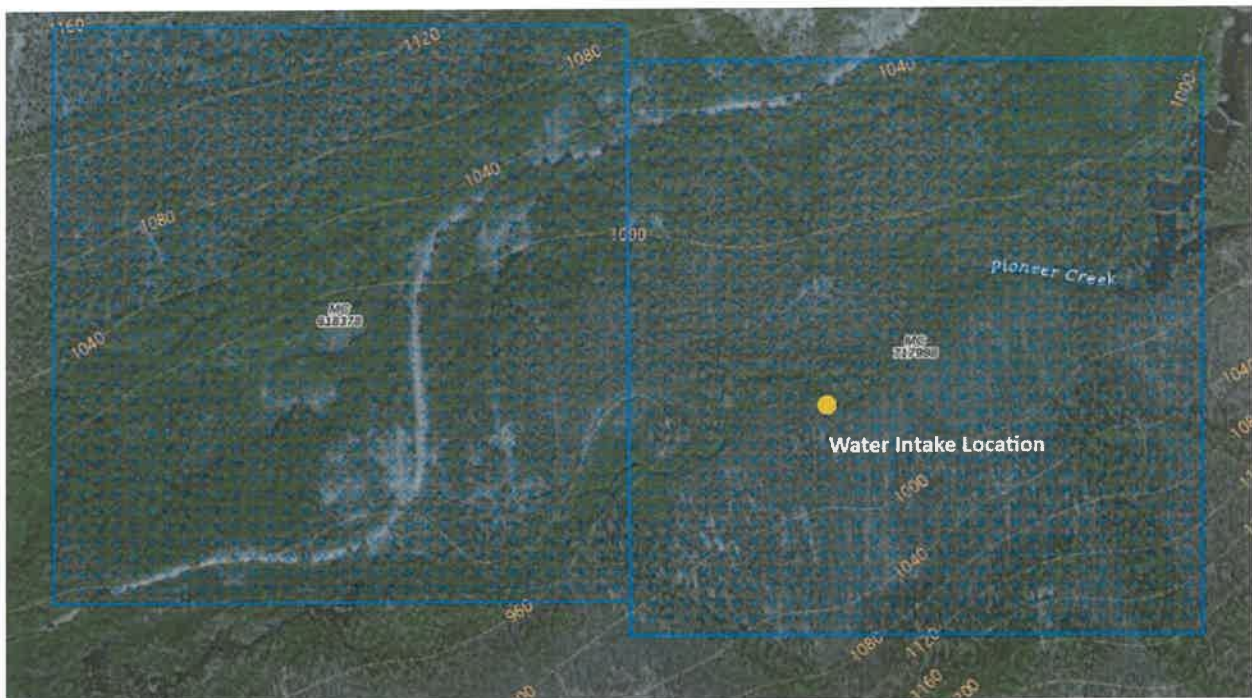
**Map 3. Overview of claims and area of previous mining activity.**



**Map 4. Phase One Prospecting Locations. Total of 13 pits proposed in Phase One.**



**Map 5. Phase 2 prospecting will occur pending Phase 1 results.**



**Map 6. Proposed water take point location for 6" pump.  
65.2032N, 1501268W.**

**PLACER/SUCTION DREDGE NARRATIVE \*REQUIRED**

(31)

A narrative of the operation is required. Please use this space to describe the access, mining process, environmental protection measures and reclamation measures to be used for the duration of this permit. Use multiple sheets if necessary.

**DESCRIBE ACCESS, PERSONNEL HOUSING AND CAMP LAYOUT:**

Access will be on a DOT maintained roads via Elliot Hwy, Eureka Rampart Road, Then a deviation onto RST 1899 Minnok Creek Pioneer Creek and/or RST 1845 Hutlinana Hot Springs Trail to claim block. Camp housing will consist of 3 camper trailer/RV's and 1 20ft Connex.

Camp Location will be on ADL 717998.

Equipment will be transported via Lowboy Trailer.

**DESCRIBE PROGRESSIVE STEPS OF MINING METHOD:**

Clearing will be required to create a space for camp location. Vegetation that is cleared will be stockpiled and used for reclamation.

A phased placer exploration program with several trenches is proposed over 1 3 years. Access routes to trench locations may be cleared with the dozer. Trenches will be dug with Excavator. Trenches will be approximately 400ft long by 20ft to 30 feet wide. Trenches will stay open during processing and then reclaimed. All trenches will be reclaimed at the end of the season. Phase 1 proposes ~13 pits with Phase 2 and additional ~11 pits for a total of 24 pits. Material will be washed and processed for viability. A small washplant and setting pond system will be constructed for testing.

**DESCRIBE PLANNED RECLAMATION MEASURES INCLUDING TIMELINE FOR RECLAMATION TO TAKE PLACE:**

Reclamation will occur concurrently with prospecting activities. The closure of a trench will take place after testing and is no longer being used. vegetation and organics will be place on top of trench and contoured to match surrounding topography. Trenches will be closed at the end of each summer season and may be reopened the following summer. There is no work proposed within the pioneer creek outside of placing a 6" pump for Water intake.

**DISCUSS WATER MANAGEMENT PLANS, INCLUDING USE, SOURCE, QUANTITY AND SURFACE WATER/ EROSION MANAGMENT PLAN:**

Water from ground seepage and runoff will be contained in an open trench or constructed pond.

**DISCUSS FUEL STORAGE, HANDLING, AND SPILL PREVENTION AND RESPONSE PLANS:**

There is no large fuel storage proposed. A 300 gallon truck mounted tank will utilized, The truck will be parked and fuel transfer will occur 100 feet from creek. Spill Kit materials like absorbant pad and Duck Ponds will be present during fuel transfers. All equipment will be checked for leaks and mitigated if necessary.

**DISCUSS HOW THE OPERATION WILL AVOID/MITIGATE POTENTIAL IMPACTS TO FISH, WILDLIFE AND CULTURAL RESOURCES:**

proactive measures will be taken to keep a clean camp to avoid wildlife interactions. There is no work proposed in the stream. *w/ screen.*  
Any cultural resources found will stop work and will be reported.

**HARDROCK EXPLORATION TRENCHING and DRILLING**

**(32)**

(Indicate target and trenching locations on sketch sheet and/or topographic map)

**Trenching:**  Yes  No

Estimated number of trenches to be excavated: \_\_\_\_\_ How long will trenches be open? \_\_\_\_\_

Average Size: Length: \_\_\_\_\_ Ft. Width: \_\_\_\_\_ Ft. Depth: \_\_\_\_\_ Ft.

**Drilling:**  Yes  No

Type of Drill(s) Used: \_\_\_\_\_

Total Number of Holes \_\_\_\_\_ Diameter of Drill Rod/Casing Rod \_\_\_\_\_ (NQ/HQ/H,Etc.)

Drilled: Estimated Maximum Depth: \_\_\_\_\_ Indicate how many pumps per water source: \_\_\_\_\_

Will water be used?  Yes  No

Water source name(s): \_\_\_\_\_

**\*Describe detailed drill plan, closure, plugging methodology, reclamation and abandonment in project narrative.\***

Trench/Drilling Location and Mining Claim Information			
Trench/Drill ID on Map	ADL/BLM/USMS NUMBER	Decimal Degrees, NAD 83 Datum	
		Latitude	Longitude (approximate)

If more than 8 trenches/drill sites, please provide data in tabular format (APMA tabular data template for reporting proposed activities and reclamation)

**A narrative of the operation is required. Please attach a written narrative to this application. The narrative should include the information to answer the prompts provided below and include any additional information relevant to the proposed activities.**

- 1.) Describe access to property, drill/trench sites, including length and type of access routes. Describe access reclamation measures to be conducted and timeline.
- 2.) Describe exploration method, scope of work proposed, equipment, when and where activities will occur, personnel housing location and camp description.
- 3.) Describe site preparation activities and pre-reclamation measures.
- 4.) Describe pad construction and dimensions.
- 5.) Describe drill core management, to include transportation of core, storage, and removal or disposal from the exploration project.
- 6.) Describe drill waste and drill water management, drill fluids and disposal methods. Attach msds/sds for all substances.
- 7.) Describe fuel handling at exploration drill sites (pads and trenches) and off site (camp or base operations).
- 8.) Discuss spill prevention and response plan.
- 9.) Describe water use including estimate of daily water use.
- 10.) Describe how the operation will avoid and/or mitigate potential impacts to fish, wildlife and cultural resources: describe closure, plugging methodology, surface reclamation and abandonment.

~~2024~~ ANNUAL RECLAMATION STATEMENT  
2025

- Placer Mining
- Suction Dredging
- Hardrock Exploration

APMA # 7067

Complete and return this statement by December 31, 2024. If you did not operate, fill in your name, check bottom box, sign, and return form.

In accordance with AS 27.19 (Reclamation Act):

I, David Kreidman hereby file an annual reclamation statement for the <sup>2025</sup>~~2024~~ mining operation described in subject Application for Permits to Mine in Alaska. (Submission of this statement does not constitute reclamation approval.)

Volume of material disturbed in <sup>2025</sup>~~2024~~: 0 cubic yards (Includes stripping and processed material.)

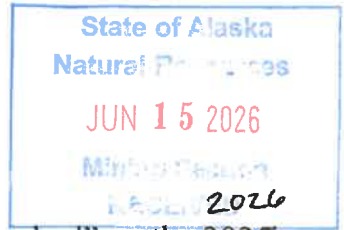
Sluice days last season: 0 Cubic yards of material processed daily: 0 Annually: 0

Total acreage disturbed in <sup>2025</sup>~~2024~~: State 0, Federal \_\_\_\_\_, Private \_\_\_\_\_. (Includes stripped areas, mining cuts, overburden and tailing stockpiles and disposal areas, temporary stream diversions, stream bypasses, and settling ponds.) Federal operators should include area of camp and access roads.

Length 0 feet and Width 0 feet of stream diversion.

Stream diversion:  Temporary  Permanent  No Diversion (check one).

Total Area reclaimed in <sup>2025</sup>~~2024~~: 0 acres.



Total un-reclaimed acres: 0 (This should match "total acreage currently disturbed" on the <sup>2025</sup>~~2024~~ Reclamation Plan Form.)

For areas reclaimed, the following reclamation measures were used (check only measures that were used).

**You must include photographs or videotapes of the completed reclamation work:**

- Spread and contoured tailings
- Spread topsoil, vegetation, overburden muck or fines on the surface of contoured tailings
- Reestablished flood plain with stream channel in stable position
- Ponds are reclaimed
- Backfilled and reclaimed temporary stream diversions
- Camp removed, cleaned up and left free of debris
- Hardrock Exploration: Complete and submit an electronic Annual Reclamation Report

Other Reclamation Measures Taken:

[Empty box for other reclamation measures]

Did not operate in <sup>2025</sup>~~2024~~ and therefore did not conduct reclamation.

Signed David Kreidman

Date 6-3-26

Relationship to Claim(s)

- Owner  Lessee  Operator
- Agent For: \_\_\_\_\_

2025 RECLAMATION PLAN FORM (PLACER EXPLORATION OR MINING)

<input type="checkbox"/> <b>A. RECLAMATION PLAN</b> (REQUIRED if the operation will disturb five or more acres this year, OR 50,000 cubic yards, OR if the operation has a cumulative disturbed area of five or more acres).	<input type="checkbox"/> <b>B. RECLAMATION PLAN VOLUNTARY</b> (for an operation below limits shown in Box A but wanting to qualify for the statewide bonding pool. (Operations on BLM Lands and others not filing Letter of Intent).	<input checked="" type="checkbox"/> <b>C. LETTER OF INTENT</b> (34) (less than five acres to be disturbed AND less than 50,000 cubic yards AND less than five acres unreclaimed area).
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In accordance with Alaska Statute 27.19, reclamation is required of all mining operations. Reclamation bonding is required of operations with disturbance of 5 acres or greater. Completion of this application will meet the requirements for a "Reclamation Plan" for operations 5 acres and larger in size and for a "Letter of Intent To Do Reclamation" for operations under 5 acres. If you do not intend to use the reclamation methods presented below, you must provide additional information concerning your plans for reclamation under separate attachments.

Total acreage currently disturbed: 3 acres. This should match: "Total Unreclaimed Acres" on your <sup>2025</sup>2024 Annual Reclamation Statement for Small Mines, or line #7 on your 2025 Bond Pool Renewal Form. Disturbed ground includes all unreclaimed mining and exploration activity (excluding camps and roads) since October 1991. Federal operators must include areas of camps and roads.

New acres to be disturbed in <sup>2026</sup>2025: 3 acres. Total acreage (currently disturbed plus new acres): 3 acres.

Acreage disturbed by land status: 3 State (general) \_\_\_\_\_ State (Mental Health) \_\_\_\_\_ Private \_\_\_\_\_ Federal \_\_\_\_\_

Total acreage to be reclaimed in <sup>2026</sup>2025: 2.5 acres; Total volume of material to be disturbed in <sup>2026</sup>2025: 10,000 cubic yards.

Include strippings and overburden to be removed. Cubic yards = Length (yards) x Width (yards) x Depth (yards).

Reclamation will be conducted concurrently with activity.  Reclamation will be conducted at the end of the season.

State of Alaska  
 Natural Resources  
 JUN 15 2026  
 Section  
 117-0000

THE FOLLOWING RECLAMATION MEASURES SHALL BE USED:

(These measures are required by law. Those that do not apply may be crossed out; but an explanation must be given as to why these measures are not necessary at your site.)

- Topsoil, vegetation, and overburden muck, not promptly redistributed to an area being reclaimed, will be individually separated and stockpiled for future use. This material will be protected from erosion and from contamination by acidic or toxic materials and will not be buried by tailings.
- The area reclaimed will be reshaped to blend with the surrounding area using tailings, strippings, and overburden and be stabilized.
- Stockpiled topsoil, overburden muck, will be spread over the contoured exploration sites to promote natural plant growth such that the area can reasonably be expected to revegetate within five years. Stockpiled vegetation will be spread over topsoils.
- Settling ponds located within the active flood plain and necessary for continued use during the next mining season will be protected from erosion or the fines removed.
- If the mining operation diverts a stream channel or modifies a flood plain to the extent that the stream channel is no longer stable, the stream channel will be reestablished in a stable location in the valley flood plain.
- The flood plain will be established as appropriate to accommodate seasonal high-water flood events and prevent undue erosional degradation.
- Exploration trenches will be backfilled. Brush piles, stumps, topsoil, and other organics will be spread on the backfilled surface to inhibit erosion and promote natural revegetation.
- Shallow auger holes (limited to depth of overburden) will be backfilled with drill cuttings or other locally available material in such a manner that closes the hole to minimize the risk to humans, livestock and wildlife.
- At placer drift mine closure, all mine shafts, adits, tunnels, and air vents to underground workings will be stabilized and properly sealed to ensure protection of the public, wildlife, and the environment.
- On state lands; all buildings and structures constructed, used or improved will be removed, dismantled, or otherwise properly disposed of unless the surface owner or manager authorizes that the buildings and structures may stay.
- On state lands; all scrap iron, equipment, tools, piping, hardware, chemicals, fuels, waste, and general construction debris will be removed or properly disposed of.
- Reclamation measures taken will be consistent with any alternate post mining land use approved by the Commissioner, subject to the provisions of 11 AAC 97.300(h) and the conditions (if any) of an approved reclamation plan.

**IMPORTANT:** 1. Alternative reclamation measures may be approved if the reclamation measures presented above are not applicable to your site. Please explain in separate correspondence. Submit a sketch and describe additional reclamation measures you propose to conduct at your operation. Reclamation measures must comply with AS 27.19.

**BONDING:** In accordance with AS 27.19, bonding is required for all operations having a mined area of greater than or equal to five acres on State Land. This area must be bonded for \$750.00 per acre, unless the miner can demonstrate that a third party contractor can do the needed reclamation for less. The Statewide Bonding Pool may be joined by completing a bond pool application form and meeting certain requirements. No reclamation plan approval goes into effect until the bonding pool deposit and annual nonrefundable fees are paid. Use bond form to calculate area of disturbance for bonding.

BLM requires that a reclamation plan be consistent with 43 CFR 3809.420, Performance Standards for the Surface Management regulations for Federal Operations. Refer to 43 CFR 3809 or the BLM minerals website available at <https://www.blm.gov/programs/energy-and-minerals/mining-and-minerals> for more information on what is needed for a reclamation plan on Federal lands, as they may be different than those identified above.

Printed name (Applicant): <u>David Kriedeman</u> Signature (Applicant): <u>[Signature]</u>	Relationship to Mineral Property: <input type="checkbox"/> Owner <input checked="" type="checkbox"/> Lessee <input type="checkbox"/> Operator <input type="checkbox"/> Agent For: _____	Date: <u>6-3-26</u> APMA #: _____
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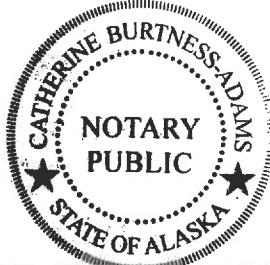
**NOTICE OF OPERATOR AUTHORIZATION – MINERAL LOCATIONS**

All operators or lease holders submitting APMA's for operations on mineral locations must submit a "Notice of Authorization" from the owner of record. This notice of authorization must name the operator and leaseholder (if different), the mineral properties by their designation (e.g.; ADL, AKFF, USMS, MTRS) and the time frame (beginning and ending dates) for which the authorization remains in effect. The Division of Mining, Land & Water will only issue a mining authorization for private land, per 11 AAC 97.310.(7), after notarized receipt of this Notice. **Please include it with your APMA.**

**OPERATOR AUTHORIZATION**

APMA# F7067

I, <u>Jeff Keener dba Metallogeny Inc.</u> , OWNER of mineral property(s): <b>List all mineral properties by their casefile number (ADL/AKFF/USMS) or legal description (MTRS).</b> <u>618378</u> <u>717998</u> (Attach additional sheet if necessary) Have authorized <u>David Kreideman</u> <b>Address of Operator</b> <u>16 Barker Loop, Pinehurst ID 838500</u> to operate on these claims from <u>5 / 4 / 2026</u> to <u>1 / 31 / 2031</u>	Check Type of Mineral Property(s) <input checked="" type="checkbox"/> State ADL <input type="checkbox"/> Federal AKFF/AKAA <input type="checkbox"/> USMS <input type="checkbox"/> MTRS (Native Lands)
Owner's Signature <u><i>J. Keener</i></u> Date <u>5/20/2026</u>	

<b>NOTARY</b> Subscribed and sworn to before me this <u>20</u> day of <u>May</u> , 20 <u>26</u> For (owner) (Signature of Notary) <u><i>Catherine Burtness-Adams</i></u> My commission expires: <u>with office</u>	
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**OR** (If the LESSEE and OPERATOR are not the same, both sections must be completed)

I, _____, LESSEE of mineral property(s) : <b>List all mineral properties by their casefile number (ADL/AKFF/USMS) or legal description (MTRS).</b> _____ _____ (Attach additional sheet if necessary) have authorized _____ to operate on these claims from ____ / ____ / ____ to ____ / ____ / ____ . Lessee's Signature _____ Date _____ Lessee's Address _____	Check Type of Mineral Property(s) <input type="checkbox"/> State ADL <input type="checkbox"/> Federal AKFF/AKAA <input type="checkbox"/> USMS <input type="checkbox"/> MTRS (Native Lands)
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<b>NOTARY:</b> Subscribed and sworn to before me this ____ day of _____, 20 ____ . For (Lessee) (Signature of Notary) _____ My commission expires: _____	
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