STATE OF ALASKA
2025
Application for Permits to Mine in Alaska (APMA)

☐ Single Year _____ ☑ Multi-year Start: 2025 Finish: 2035 APMA Number (A/F/J,Year,****) 2961

What type activity are you planning to perform? *REQUIRED (1)

☐ Suction Dredging/Reclamation ☐ Reclamation Only
☐ Placer Mining/ Reclamation ☐ Access
☑ Hardrock Exploration/ Reclamation

Surface estate of mineral properties: *REQUIRED (2)

☑ State (General) ☐ State (Mental Health)
☐ Federal ☐ Private
☐ City or Borough

Check All That Apply: ☐ Mineral Property Owner ☐ Lessee ☑ Operator *Required (3)

Name: Felix Gold Operations Inc
Address: 3133 Davis Rd
Fairbanks, AK 99709
Primary Phone Number: 907-371-0146
Secondary Phone Number: 907-371-0781
Email: ckim@mdf-global.com
Click here for the Department of Commerce Link
Alaska Business/Corporation Entity# 10184349
Registered Agent (Corp./LLC/LP)

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

Name: Roger Burggraf
Address: 830 Sheep Creek Rd
Fairbanks, AK 99709
Primary Phone Number: 907-378-7335
Secondary Phone Number:
Email: roger.burggraf@gmail.com
Alaska Business/Corporation Entity#
Registered Agent (Corp./LLC/LP)

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

Name:
Address:
Primary Phone Number:
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:
Address:
Primary Phone Number:
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)
St. Patricks Exploration Project

Average Number of Workers: *REQUIRED (8)
~10-15

Start-Up/Shut Down: (Month/Day) (9)
April 1 to November 25

Mining District: *REQUIRED (10)
Fairbanks

Applicable USGS Map(s): *REQUIRED (11)
Fairbanks D-3

On What Stream Is This Activity? (12)
St. Patrick Creek

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
F001N002W Sections 27-29 & 32-34

Internal Use Only:

Internal Use Only:
Date Application Received Complete: Adjudicator: LAS Entry:
Sec 3 CID: Sec 4 CID: Sec 5 CID: Sec 6 CID:

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 312532	Grant 6	7.	ADL 313603	Rody Vein
2.	ADL 312533	Grant 7	8.	ADL 315140	Grant 11
3.	ADL 312534	Grant 8	9.	ADL 315141	Grant 12
4.	ADL 312535	Grant 9	10.	ADL 315145	Grant 16
5.	ADL 312536	Grant 10	11.	ADL 315146	Grant 17
6.	ADL 313580	Irishman 2	12.	ADL 317463	Grant 20 Fraction

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.

	Make, Model, Type, Size, Purpose of Equipment or Pump	Quantity of this type	Check One: Located on the claim block?	Transporting to claim block?
1.	Atlas Copco CS 14 Drill Skid Mounted or similar	1		✓
2.	CAT D-6 dozer or similar	1		✓
3.	CAT 336 Excavator or similar	1		✓
4.	PrimeTeck 300 Brush Mulcher	1		✓
5.	Side-by-Side or equivalent	3		✓
6.	Chevy 2500 or similar	3		✓
7.	Marooka	1		✓
8.	Grasshopper Reverse Circulation Drill or Similar	1		✓

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: Ester Dome Rd, St. Patricks Rd, Sheep Creek Rd

☐ 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:_____

☐ Navigable Waterway

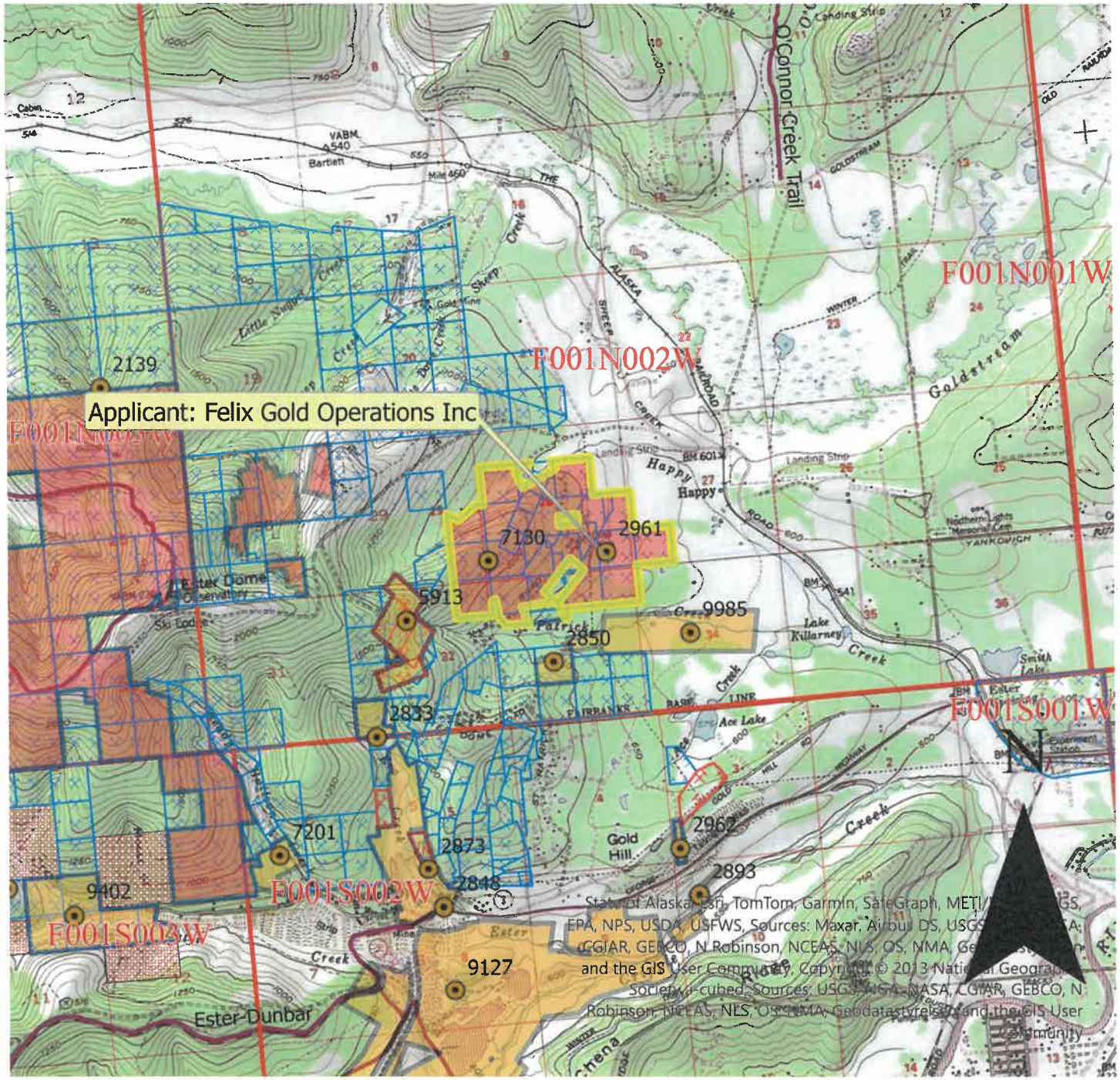
☐ Aircraft Supported

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 ☑

	ADL/BLM/USMS#	PROPERTY NAME
13	ADL 317464	GRANT 19 FRACTION
14	ADL 318361	GRANT NO 18
15	ADL 500216	GRANT NO 24
16	ADL 511378	GRANT 25 FRACTION
17	ADL 536564	GRANT NO 26
18	ADL 536565	GRANT NO 27
19	ADL 536566	GRANT NO 28
20	ADL 536567	GRANT NO 29
21	ADL 536568	GRANT NO 30
22	ADL 536569	GRANT NO 31
23	ADL 575823	GRANT NO 6 FRACTION
24	ADL 575826	ROSIE 1
25	ADL 575827	ROSIE 2
26	ADL 575828	BRANDY 1
27	ADL 575829	BRANDY 2
28	ADL 620854	ETHEL
29	ADL 620855	NICKALOFF
30	ADL 620856	JEAN
31	ADL 620857	ELMES
32	ADL 620858	GOLD LODE
33	ADL 620864	HAPPY

APMA 2961 Active Area



This map was created on 4/21/2025 by the Alaska Department of Natural resources as a courtesy to supplement the application received. This map displays a graphical illustration only. Source documents remain the official record.

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Scale: 1:63,360

- Mechanical Placer Mining
- Hardrock Exploration
- State Mining Claim Active
- Federal Mining Claim
- Permit Lease ME Poly
- RS2477 Historic Transportation Routes

0 0.75 1.5 Miles

Center: 147°57'56"W 64°52'51"N

CASE_ID	CSTMRNM	SPCLCDDSCR	CSSTTSDSCR	CLAIM_NAME	NTPSTDT	RFRSHDT
ADL 312534	Burggraf Roger C.	Mining Claim (MC)	Active (35)	GRANT 8	8-Oct-79	4/19/2025 13:31
ADL 312535	Burggraf Roger C.	Mining Claim (MC)	Active (35)	GRANT 9	10-Oct-79	4/19/2025 13:31
ADL 312536	Burggraf Roger C.	Mining Claim (MC)	Active (35)	GRANT 10	10-Oct-79	4/19/2025 13:31
ADL 313603	Burggraf Roger C.	Mining Claim (MC)	Active (35)	RODY VEIN	5-Nov-73	4/19/2025 13:31
ADL 315140	Burggraf Roger C.	Mining Claim (MC)	Active (35)	GRANT 11	17-Jan-80	4/19/2025 13:31
ADL 315146	Burggraf Roger C.	Mining Claim (MC)	Active (35)	GRANT 17	11-Mar-80	4/19/2025 13:31
ADL 318361	Burggraf Roger C.	Mining Claim (MC)	Active (35)	GRANT NO 18	22-May-80	4/19/2025 13:31
ADL 500216	Burggraf Roger C.	Mining Claim (MC)	Active (35)	GRANT NO 24	9-May-84	4/19/2025 13:31
ADL 536569	Burggraf Roger C.	Mining Claim (MC)	Active (35)	GRANT NO 31	12-May-93	4/19/2025 13:31
ADL 536568	Burggraf Roger C.	Mining Claim (MC)	Active (35)	GRANT NO 30	12-May-93	4/19/2025 13:31
ADL 575828	Burggraf Roger C.	Mining Claim (MC)	Active (35)	BRANDY 1	22-Aug-97	4/19/2025 13:31
ADL 575829	Burggraf Roger C.	Mining Claim (MC)	Active (35)	BRANDY 2	22-Aug-97	4/19/2025 13:31
ADL 620855	Burggraf Roger C.	Mining Claim (MC)	Active (35)	NICKALOFF	4-Dec-15	4/19/2025 13:31
ADL 620856	Burggraf Roger C.	Mining Claim (MC)	Active (35)	JEAN	4-Dec-15	4/19/2025 13:31
ADL 620864	Burggraf Roger C.	Mining Claim (MC)	Active (35)	HAPPY	4-Dec-15	4/19/2025 13:31
ADL 317463	Burggraf Roger C.	Mining Claim (MC)	Active (35)	GRANT 20 FRACTION	1-Jul-80	4/19/2025 13:31
ADL 536567	Burggraf Roger C.	Mining Claim (MC)	Active (35)	GRANT NO 29	12-May-93	4/19/2025 13:31
ADL 312533	Burggraf Roger C.	Mining Claim (MC)	Active (35)	GRANT 7	9-Oct-79	4/19/2025 13:31
ADL 536564	Burggraf Roger C.	Mining Claim (MC)	Active (35)	GRANT NO 26	12-May-93	4/19/2025 13:31
ADL 575826	Burggraf Roger C.	Mining Claim (MC)	Active (35)	ROSIE 1	22-Aug-97	4/19/2025 13:31
ADL 575827	Burggraf Roger C.	Mining Claim (MC)	Active (35)	ROSIE 2	22-Aug-97	4/19/2025 13:31
ADL 536565	Burggraf Roger C.	Mining Claim (MC)	Active (35)	GRANT NO 27	12-May-93	4/19/2025 13:31
ADL 312532	Burggraf Roger C.	Mining Claim (MC)	Active (35)	GRANT 6	8-Oct-79	4/19/2025 13:31
ADL 575823	Burggraf Roger C.	Mining Claim (MC)	Active (35)	GRANT NO 6 FRACTION	19-Sep-97	4/19/2025 13:31
ADL 511378	Burggraf Roger C.	Mining Claim (MC)	Active (35)	GRANT 25 FRACTION	29-May-86	4/19/2025 13:31
ADL 313580	Burggraf Roger C.	Mining Claim (MC)	Active (35)	IRISHMAN 2	5-Nov-73	4/19/2025 13:31
ADL 315145	Burggraf Roger C.	Mining Claim (MC)	Active (35)	GRANT 16	11-Mar-80	4/19/2025 13:31
ADL 536566	Burggraf Roger C.	Mining Claim (MC)	Active (35)	GRANT NO 28	12-May-93	4/19/2025 13:31
ADL 620854	Burggraf Roger C.	Mining Claim (MC)	Active (35)	ETHEL	4-Dec-15	4/19/2025 13:31
ADL 620858	Burggraf Roger C.	Mining Claim (MC)	Active (35)	GOLD LODE	4-Dec-15	4/19/2025 13:31
ADL 620857	Burggraf Roger C.	Mining Claim (MC)	Active (35)	ELMES	4-Dec-15	4/19/2025 13:31
ADL 315141	Burggraf Roger C.	Mining Claim (MC)	Active (35)	GRANT 12	17-Jan-80	4/19/2025 13:31

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:

There is an existing road, St Patricks Rd, that goes through the Grant Mine claim. There are existing trails or roads within the project

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 ½" x 11". Do not tape maps together.

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

Felix Gold, Drilling Company and Earthworks Company

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

Vehicles and equipment will travel to and from the said claim blocks on the Ester Dome Road from Sheep Creek road and St. Patricks Rd that runs to the claims between June -September.

Mobilization and demobilization of drilling and earthworks equipment will be completed using a Semi tractor with low boy equipment trailer such as a Kenworth T800 or equivalent as the Semi Truck (see attached sheet for truck specifications). The low boy trailer component would be up to a standard two-axle trailer that can haul up to 40,000lbs with an additional trail and cargo combination weight of up to 95,000lbs with an upgrade to tri-axle low boy (see attached Alaska Weight Restriction Information Bulletin for more details) common lowboy trailer dimensions are 24-29.6ft in length, 8.5ft in width with a legal freight Height of 11.5-12ft and a legal overall load height of 14ft.

State the average total miles traveled in one round trip: 5. State the number of trips proposed: 50.

State the start and end date(s) or period(s) of proposed travel: June - October.

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:

200 gallons

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

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

Double Sided Steel Tanks with attached pump

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

In the back of a Pickup Truck Only

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.

A 3000 gallon fuel tank with Diesel and all storage will be placed on a private residence with permission from the owner outside the permitted claim area

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 for full description: Spill response equipment is located at the project site. The spill response equipment is stored in two blue plastic totes located next to all equipment. Containment ponds and drip pans will be under all stationary mechanical equipment and checked every shift when doing shift inspection of the active drilling area. These shift inspection reports will be digital.

Quantitiy 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: 320 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

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: _____ Length (feet) _____ 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): _____

☐ Year-Round ☐ Seasonal, from Approx. _____ to _____, 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						
Platforms						
Out-Buildings						
Other:						

** 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):

_____

_____

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.

_____

_____

_____

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: _____.

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.

_____

_____

_____

_____

_____

_____

_____

_____

_____

MINING METHOD

(19)

☐ Mechanical Placer Mining (e.g., terrestrial open-cut operations with dozer or excavator, etc.)
Estimated cubic yards processed annually: _____

☐ Suction Dredge ☐ Mechanical Dredge (e.g., excavator or clam-shell)

List all suction and mechanical dredges. If information is not applicable, write "N/A." Attach extra sheet if necessary.

	Dredge 1		Dredge 2		Dredge 3	
Vessel ID (Name or Number)						
Vessel Dimensions						
Suction Dredge Intake Nozzle Diameter / Pump Size	Inches:	HP:	Inches:	HP:	Inches:	HP:
Mechanical Dredge Bucket Volume	Cubic Yards:		Cubic Yards:		Cubic Yards:	
Processing Rate	Yds.^{3}/Hr.:		Yds.^{3}/Hr.:		Yds.^{3}/Hr.:	
Wastewater Discharge Rate	GPM:		GPM:		GPM:	
Maximum Water Depth	Feet:		Feet:		Feet:	
Average Daily Operating Hours						
Operation on Sea Ice (Yes/No)	Yes ☐ / No ☐		Yes ☐ No ☐		Yes ☐ / No ☐	
Vessel Registration # / State	#:	State:	#:	State:	#:	State:

Location: ☐ Offshore / Salt Water ☐ Stream ☐ Mine cut isolated from stream ☐ Pond connected to stream ☐ Pond isolated from stream

PLACER EXPLORATION DRILLING AND TEST PITS

(20)

Please provide topographic maps showing drilling and/or test pit locations that corresponds with the table below. Maps should (at minimum) have labeled Mineral Properties and labeled locations of proposed activities. Methodology and reclamation of exploration activities must be described in the placer narrative.

Test Pits: ☐ **Yes** ☐ **No**

Estimated number of pits to be excavated: _____.

How long will the test pit be open if not converted into an active mine cut? _____.

Average Size: Length: _____Ft. Width: _____Ft. Depth: _____Ft.

Placer Drilling: ☐ **Yes** ☐ **No**

Total number of holes to be drilled: _____

Type of drill(s) used: _____

Drilling and Test Pit Identification and Mineral Property Information	
Trench/Hole ID on Map	ADL/BLM/USMS NUMBER

If more than 8 Pits/drill sites, please provide data in tabular format

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 ____ ft Height ____ ft Width at crest ____ ft Width at base _____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?_____

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:

None

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 http://dnr.alaska.gov/mapper/controller		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.	Happy Creek	64.88318	-147.98672	F001N002W29 SWNW			✓
2.	Un-Named Pond	64.880423	-147.947894	F001N002W27 SESE			✓
3.							
4.							
5.							

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 1st through October 31st)? May 1 - October 31

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.			
Example: Unnamed Creek	F	3N	3W	20	Start-Up	X	Make-Up	X
1. Happy Creek	F	1N	2W	29	Start-Up	☐	Make-Up	☐
	Latitude: 64° 52' 59.448" N			Longitude: 147° 59' 12.192" W				
2. Un-named Pond	F	1N	3W	27	Start-Up	☐	Make-Up	☐
	Latitude: 64° 52' 49.5228" N			Longitude: 147° 56' 52.4184" W				
3.					Start-Up	☐	Make-Up	☐
	Latitude:			Longitude:				
4.					Start-Up	☐	Make-Up	☐
	Latitude:			Longitude:				
5.					Start-Up	☐	Make-Up	☐
	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.

Geographic Name of Water Source *(Same as sources Above).* Describe the water use information for each source. For recycle/settling pond system complete Section C.	**Diversion (gpm/cfs)**	**Withdrawal Rate (gpm/pump)**	**Number of Pumps**	**Hours per Day**	**Days per Month**
1. Happy Creek	n/a	14	1	24	21
2. Un-named Pond	n/a	14	1	24	21
3.					
4.					
5.					

C. Recycle/Settling Pond System

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.

Withdrawal Rate (gpm/pump)	**Number of Pumps**	**Hours per Day**	**Days per Month**	**Additional Notes:**
Pond # 1: L:___ ft W:___ ft D:___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	

D. Camp Water Uses

Provide information on camp water uses. If an ADEC public drinking water system is used, please attach certificate to operate and/or associated documents.

Maximum # of People in Camp	**Withdrawal Rate (gpm/pump)**	**Number of Pumps**	**Hours per Day**	**Days per Month**	**Source(s) of Water** Well, Haul, Stream, Spring, Lake Source(s) will count towards the 5 sources identified in Section A.
Additional Notes:					

WATER USE AUTHORIZATIONS CONTINUED

(24)

E. Exploration Activities 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.	Is Water Needed for Exploration Trenching or Drilling?	Withdrawal Rate (gpm/pump)	Number of Pumps	Hours per Day	Days per Month	Source(s) of Water Well, Haul, Stream, Spring Lake, etc. Source(s) will count towards the 5 sources identified in Section A.
	Yes	14	1	24	21	Happy Creek and Un-named Pond

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 developement 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 ares of timber to be cleared.

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.

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: _____

Approximate coordinates of mine site:

Latitude: _____ Longitude: _____

Source (e.g., DNR - Alaska 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: _____.

Responsible Party Name (First Last, Position) - Printed: _____ .

Business Name (if applicable) - Printed: _____.

SECTION 404 WETLANDS PERMIT

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.

Provide the Latitude and Longitude of the operation location (DD, NAD83):

Latitude: _____ Longitude: - _____

Source (e.g., DNR - 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:

Rebecca Gower		03/11/2025
Print Name	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.

PLAN MAP OF OPERATION *REQUIRED

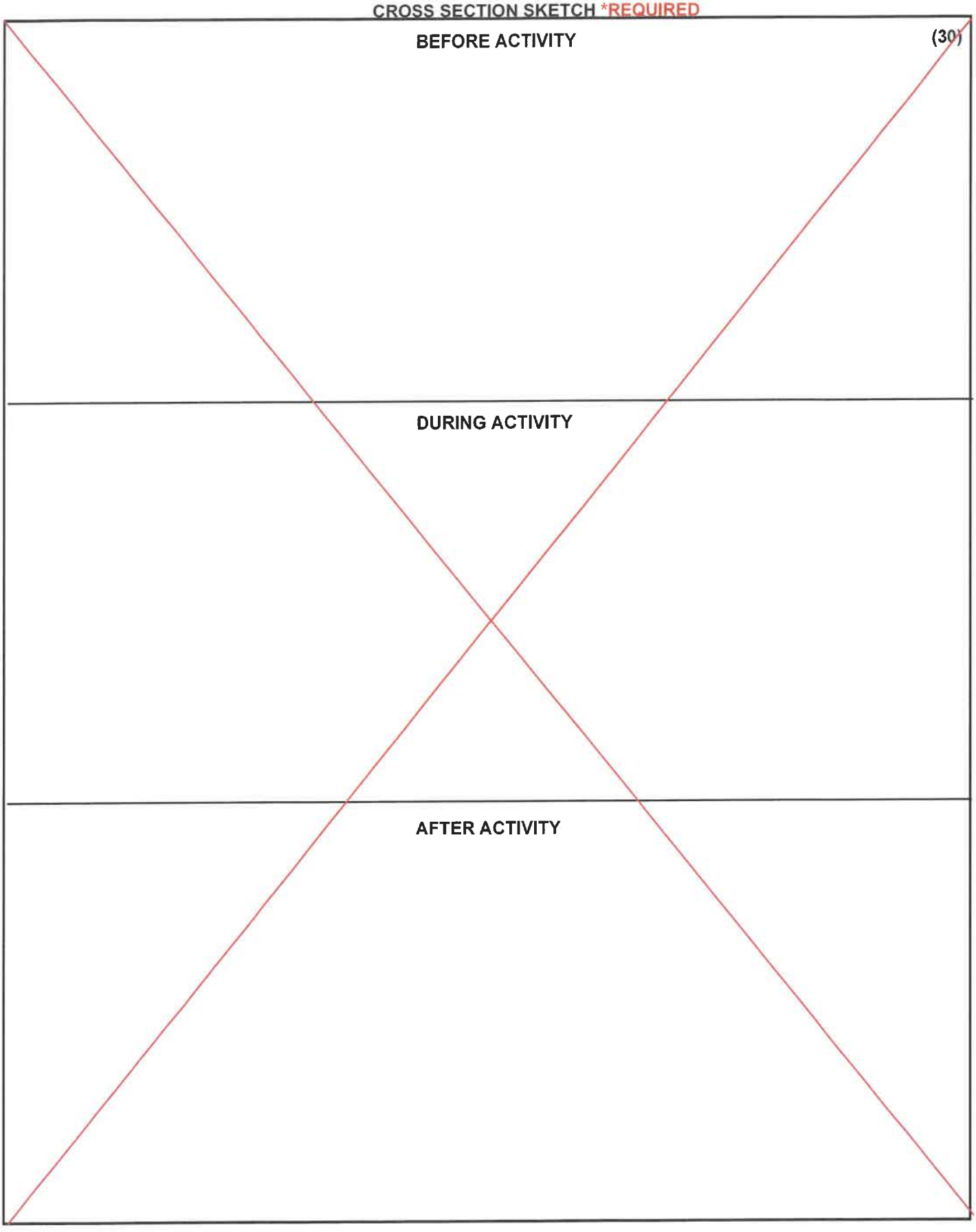
(29)

VICINITY MAP

APMA # 2961	ADLs: See Attached

(Attach additional sheets, along with detailed explanations as necessary)

CROSS SECTION SKETCH *REQUIRED



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:

DESCRIBE PROGRESSIVE STEPS OF MINING METHOD:

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

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

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

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

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: Diamond Core Drill

Total Number of Holes 100 Diameter of Drill Rod/Casing Rod HQ/PQ (NQ/HQ/H,Etc.)

Drilled: Estimated Maximum Depth: 1600 ft 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)
See all 100 drill sites			
in appendix 2			

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

HARDROCK NARRATIVE *REQUIRED

(33)

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.

FELIXGOLD LIMITED
Alaska Office
3133 Davis Rd, STE B
Fairbanks, AK 99709

Date: 4/3/2025

To: DNR Permitting

From: Catherine Kim, General Manager

Subject: APMA 2961 Hardrock Narrative (33)

1. **Describe access to property, drill/trench sites, including length and type of access routes. Describe access reclamation measures to be conducted and timeline.**

Vehicles and equipment will travel to and from the said claim blocks via Sheep Creek Road to Ester Dome Road and finally, St. Patrick's Road, which runs through the property. The majority of exploration will be conducted between April and November. Travel will be restricted at the time of school bus pickups and drop offs. Heavy vehicles such as semi-trucks hauling large equipment will be limited during night hours to minimize noise in the neighborhoods.

An existing utility corridor runs north-south through the property and provides easy access to multiple claim blocks. All use of this corridor will be discussed with the utility provider, GVEA, and completed to their requirements and with their permission.

Other access routes will be constructed using a Prime Tek 300 brush mulcher. This equipment will clear the large vegetation but avoid disturbing the underlying vegetative mat. Where accidental disturbance of the mat does occur, the project will, as appropriate, replace the disturbed vegetative mat and if there appears significant potential for erosion will place mulch or other vegetation on the site to minimize surface flow.

New access trails will be constructed using a Cat D-6 bulldozer, or similar equipment. New access trails will primarily be constructed off existing trails. Driveway permits issued by DOT will be obtained as needed for any new tail off St. Patrick's Rd. All access trails will be designed to prevent the discharge of sediments into waterways during storm events. A typical access trail will be no more than 15 feet wide. Ditches will run the length of the trail with water bars install approximately every 200 feet to direct storm water off the trail surface and into trail ditches. Downhill margins of temporary access trails will have berms to properly channel surface water and provide a safety barrier for project vehicles and equipment. A schematic of a typical proposed access trail is shown in Figure 1.

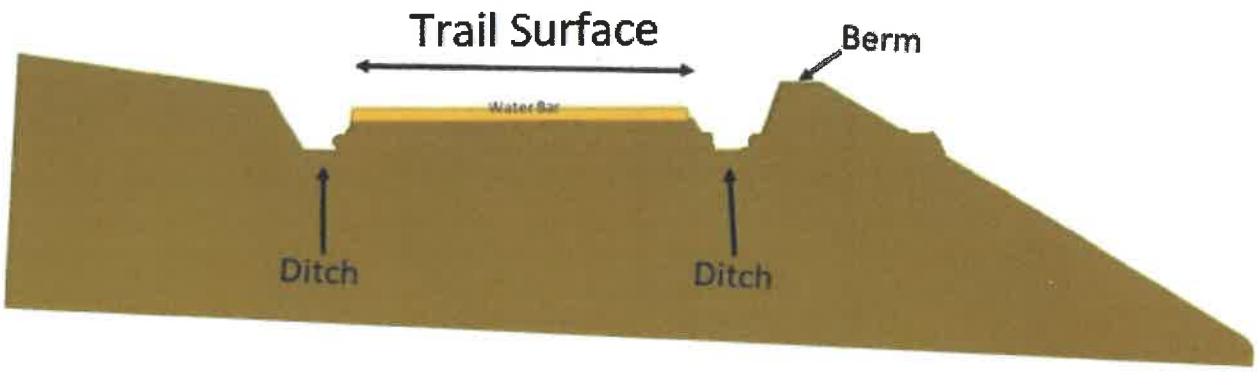


Figure 1. Temporary Access Trail Creation Diagram

FELIXGOLD LIMITED
Alaska Office
3133 Davis Rd, STE B
Fairbanks, AK 99709

2. Describe exploration method, scope of work proposed, equipment, when and where activities will occur, personnel housing location and camp description.

The Project is proposed of 100 holes that will be drilled with shallow reverse circulation (RC) drill holes or diamond core drill hole (DD). RC holes will be a maximum of 320ft (100m), and DD holes will be a maximum of 1600ft (500m). This portion of the project is slated to begin June 1st of each permitted year. Felix Gold intends to scale back operations during the winter months (November – March) however if it does look at opportunities to continue proposed drilling with a single drill in the winter months along this plan of operation as analytical results dictate.

There is a restricted use area located within the project area. All exploration activities, including transportation of equipment, will maintain a 200-foot buffer around this region.

RC Holes

The diameter of the drill casing is approximately 4 inches. The RC drill itself is mounted on low-ground-pressure tracks. The drill can be moved and can work on the tracks without significant disturbance to the vegetative mat.

Drill pad locations near established recreation trails will be "field fit" off the trail to facilitate unhindered recreational access. Felix Gold will always insure unhindered and safe passage on the main recreational trails. This will include, safety warning signage, and barricading/high visibility demarcation around the drill sites.

Diamond Drilling

DD holes will have a maximum depth of approximately 1600ft (500m). The diameter of the casing used down hole is approximately 4 inches. Drilling will be conducted with an LF90 skidded rig, or comparable equipment. Site for core drilling will require the construction of a pad, with drill sites being centered on access trails to minimize the footprint of pad construction.

Personnel Housing Location and Camp Description:

All personnel housing and/or camps will be located offsite on private property. There will be no camp equipment or storage site within the claims area.

3. Describe site preparation activities and pre-reclamation measures.

D6 dozer for temporary trails and a primeTek 300 mulcher for non-disturbance trails will be used to create access and pads or the drill and reclaim any damage done throughout the project work time.

4. Describe pad construction and dimensions.

The RC equipment can drill without requiring a constructed drill pad. Where incidental disturbance of the mat does occur, the project will, as appropriate, replace the disturbed vegetative mat and if there appears significant potential for erosion will place mulch or other vegetation on the site to impede surface flow of water. Actual ground disturbance by the RC drill is limited to the drill collar itself and a small area where wooden timbers may be required to level the drill. Total surface disturbance will be approximately 225

square feet or 0.005 acres per hole. Each hole will be reclaimed after being used. Total un-reclaimed disturbance should be limited to less than 0.005 acres or less.

Total disturbance for diamond core drilling on the project, including reclaimed acreage will be roughly 0.5 acres. However, disturbance for drill sites within wetlands will not exceed 0.1 acres at any given time. The diamond core drill will require a pad with an area of approximately 1600 square feet (0.03 acres). Pad construction will adhere to best practices to prevent discharge of sediments into waterways. Pad reclamation will be conducted upon cessation of drilling operations, or if the drill site falls within wetlands, upon abandonment of that drill site. A schematic illustrating the construction and reclamation of a typical drill pad is shown in Figure 2.

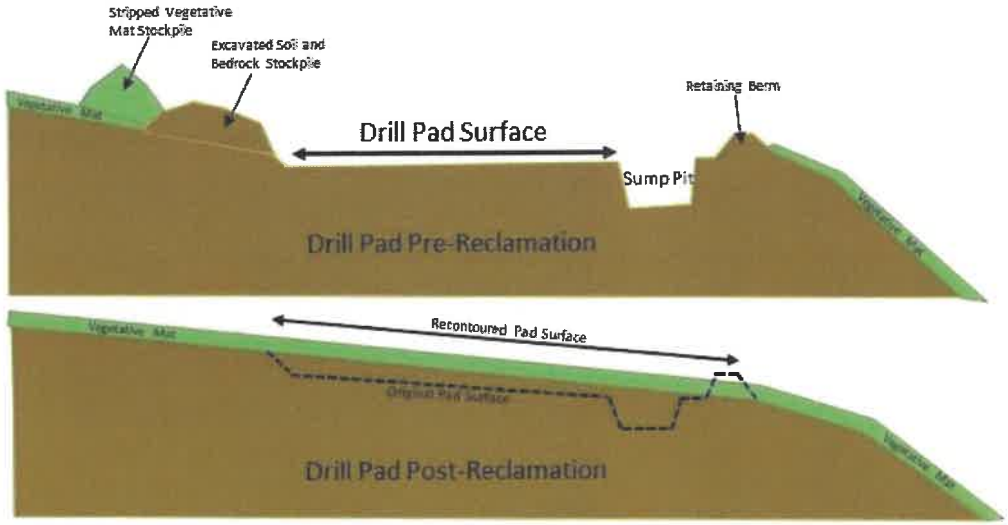


Figure 2: Schematic of Construction and Reclamation of Drill Pads

5. Describe drill core management, to include transportation of core, storage, and removal or disposal from the exploration project.

All core will be transported 1 to 2 times per day to a facility offsite using a Chevy Silverado 2500 truck (or similar). Core will be stored at said facility and will not return to the permitted site.

6. Describe drill waste and drill water management, drill fluids and disposal methods. Attach msds/sds for all substances.

The diamond core drill holes will require water, and drill mud. Drill muds are selected to be safe for the environment. Safety Data Sheets for muds which may be used are attached as appendix 1. The water and mud will discharge to a day-tank or sump, 12' x 10' x 6', excavated on the drill pad, which will be filled after use. No water will discharge within 200 feet of a stream or to a wetland.

The RC drill holes may require water and drill muds. Drill muds are selected to be safe for the environment. Safety Data Sheets for muds which may be used are attached as appendix 3. The water and mud will discharge to a day-tank or sump excavated on the drill pad, which will be filled after use. No water will discharge within 200 feet of a stream or to a wetland

FELIXGOLD LIMITED
Alaska Office
3133 Davis Rd, STE B
Fairbanks, AK 99709

7. Describe fuel handling at exploration drill sites (pads and trenches) and off site (camp or base operations).

Fuel storage on permitted sites will be contained within a double-sided steel tank with attached pump on the back of a pickup truck only for both diesel transportation and unleaded, if needed

A bulk diesel fuel tank provided by Alaska Fuel Distributors or similar will be set up on a private residence away from the permit site. All other forms of fuel will be procured at a fuel station.

Spill kits will be located with any equipment that contains fuel to operate.

8. Discuss spill prevention and response plan.

Felix has a spill prevention, control and countermeasure plan as part of the ODPCP application and spill response training.

See attached document.

9. Describe water use including estimate of daily water use.

DD water will either come from a water pump from 1 of the 2 water sources located on the permitted site proposed water sources at a maximum of 20,000 gallons a day (24 hours/day x 14 gallons a minute).

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.

Felix have worked with DF&G to ensure no harm is done to any fish or wildlife. None of the water sources are listed in DF&G's Catalog of Waters Important for Spawning, Rearing or Migration of Andromous Fish

All holes will be closed using environmentally safe bentonite. All casing will be taken out of the hole prior to bentonite closure or cut down to just under topsoil for safety of erosion and animals. All drill pads will be reclaimed after it is of no use to the project anymore (3 years).

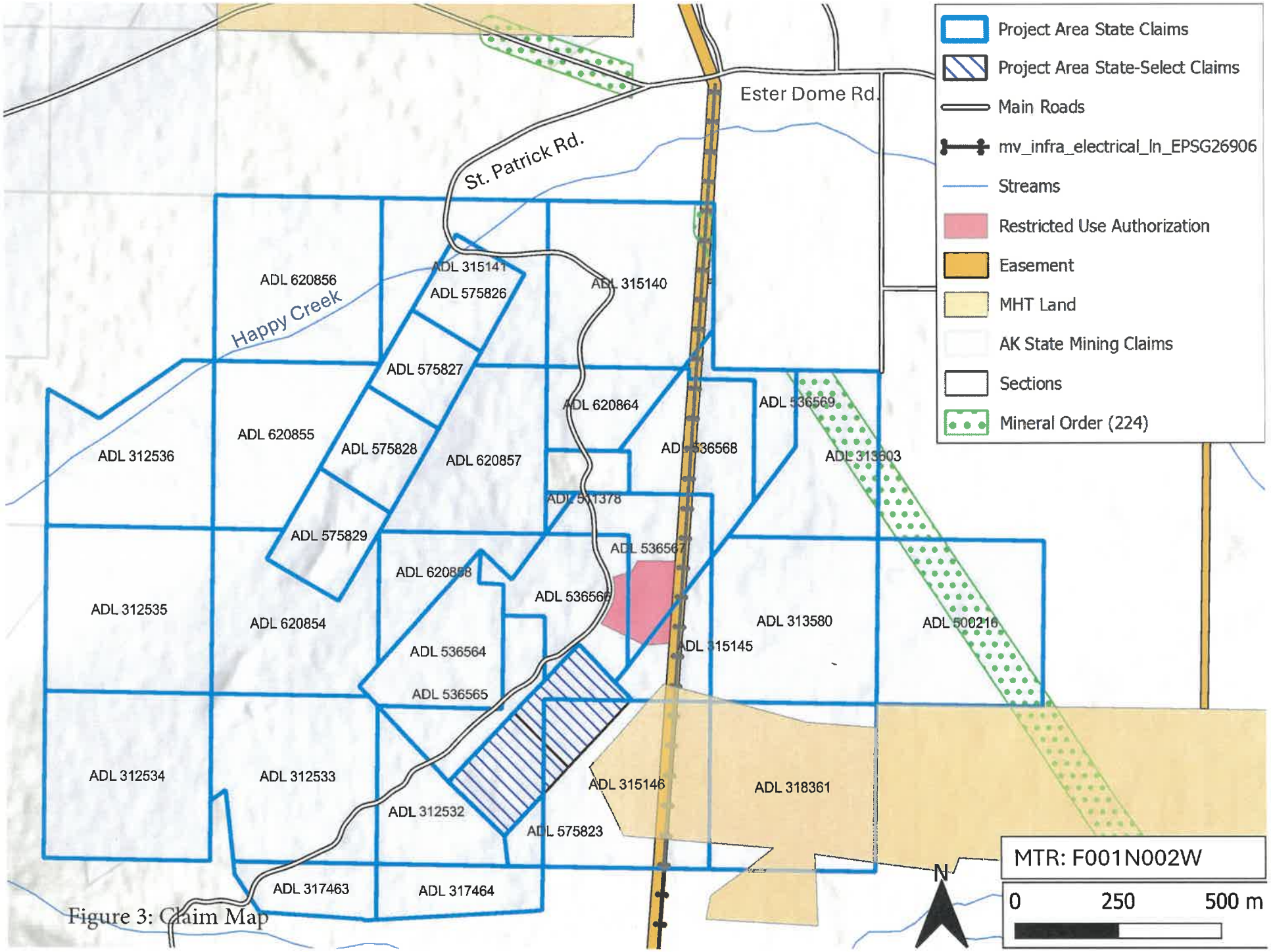


Figure 3: Claim Map

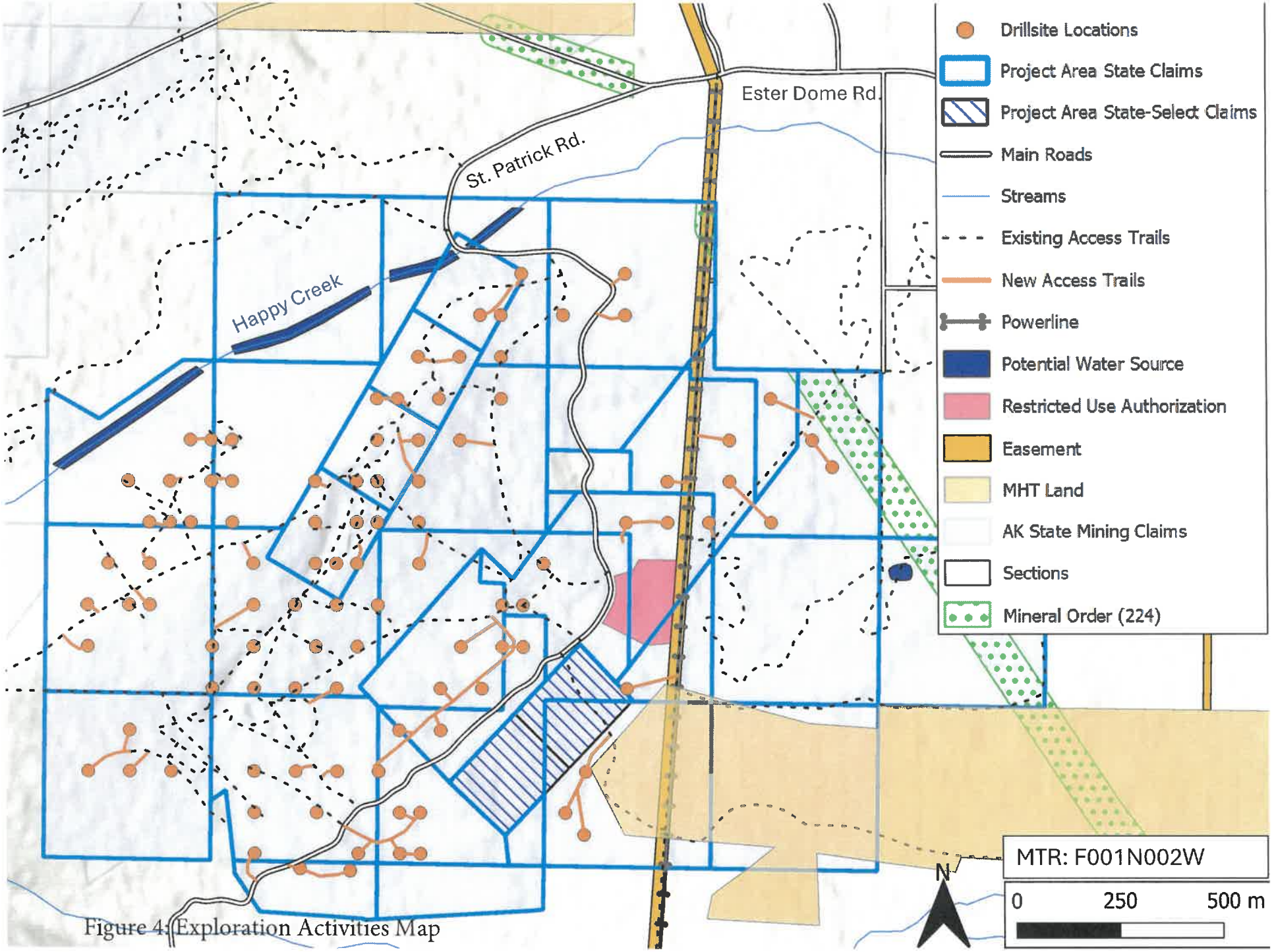


Figure 4: Exploration Activities Map

NOTICE OF OPERATOR AUTHORIZATION -- MINERAL LOCATIONS

All operators or lease holders submitting APMAs 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#**_____

I, ROGER BURGRAF, OWNER of mineral property(s):

Check Type of Mineral Property(s)
- [x] State ADL
- [ ] Federal AKFF/AKAA
- [ ] USMS
- [ ] MTRS (Native Lands)

List all mineral properties by their casefile number (ADL/AKFF/USMS) or legal description (MTRS).

SEE ATTACHED ALL

(Attach additional sheet if necessary)

Have authorized FELIX GOLD ALASKA OPERATIONS INC.

Address of Operator 3133 DAVIS RD, FAIRBANKS AK 99709.

to operate on these claims from 6/1/25 to 12/31/2034

Owner's Signature Roger C. Burgraf Date 3/24/2025

NOTARY

Subscribed and sworn to before me this 26 day of March, 2025.

For (owner)

(Signature of Notary) _____.

My commission expires: with office

STATE OF ALASKA
NOTARY PUBLIC
Emma Rubin
My Commission Expires With Office

OR (If the LESSEE and OPERATOR are not the same, both sections must be completed)

I, _____, LESSEE of mineral property(s) :

Check Type of Mineral Property(s)
- [ ] State ADL
- [ ] Federal AKFF/AKAA
- [ ] USMS
- [ ] MTRS (Native Lands)

List all mineral properties by their casefile number (ADL/AKFF/USMS) or legal description (MTRS).

(Attach additional sheet if necessary)

have authorized _____ to operate on these claims from ___/___/___ to ___/___/___.

Lessee's Signature _____ Date _____

Lessee's Address _____.

NOTARY:

Subscribed and sworn to before me this _____ day of _____, 20 ___.

For (Lessee)

(Signature of Notary) _____.

My commission expires:

	ADL/BLM/USMS #	PROPERTY NAME		ADL/BLM/USMS #	PROPERTY NAME
1.	ADL 312532	Grant 6	7.	ADL 313603	Rody Vein
2.	ADL 312533	Grant 7	8.	ADL 315140	Grant 11
3.	ADL 312534	Grant 8	9.	ADL 315141	Grant 12
4.	ADL 312535	Grant 9	10.	ADL 315145	Grant 16
5.	ADL 312536	Grant 10	11.	ADL 315146	Grant 17
6.	ADL 313580	Irishman 2	12.	ADL 317463	Grant 20 Fraction

	ADL/BLM/USMS#	PROPERTY NAME
13	ADL 317464	GRANT 19 FRACTION
14	ADL 318361	GRANT NO 18
15	ADL 500216	GRANT NO 24
16	ADL 511378	GRANT 25 FRACTION
17	ADL 536564	GRANT NO 26
18	ADL 536565	GRANT NO 27
19	ADL 536566	GRANT NO 28
20	ADL 536567	GRANT NO 29
21	ADL 536568	GRANT NO 30
22	ADL 536569	GRANT NO 31
23	ADL 575823	GRANT NO 6 FRACTION
24	ADL 575826	ROSIE 1
25	ADL 575827	ROSIE 2
26	ADL 575828	BRANDY 1
27	ADL 575829	BRANDY 2
28	ADL 620854	ETHEL
29	ADL 620855	NICKALOFF
30	ADL 620856	JEAN
31	ADL 620857	ELMES
32	ADL 620858	GOLD LODE
33	ADL 620864	HAPPY

State of Alask
Natural Resourc
APR 3 2025
Mining Section
RECEIVED

STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES
STATE WIDE BOND POOL FORM

APMA # 2961

Felix Gold Alaska Operations Ince
Name
3133 Davis Rd Ste B
Mailing Address
Fairbanks | AK | 99709
City | State | Zip Code

Submits unto the State of Alaska, Department of Natural Resources, the sum of

$ 1950 DOLLARS

for payment into the State Wide Bonding Pool to meet the bonding requirements of Alaska Statute 27.19 for mining activity located on claim numbers

see attached

These claims are located within legal description (Township, Range, Section, Meridian

F001N002W Sections 27,29, 32, 24

This bond amount was calculated as follows:

For **Federal Claims**: The total area of the mining operation, including camp site, access roads, unreclaimed areas, and areas to be stripped for mining next season is 0 acres. Acreage should be rounded to the next whole acre. This acreage must include all areas disturbed by mining operations after January 1, 1981, that have not been approved as reclaimed by BLM. If a mining operation disturbs a previously mined area, that area must also be included in the acreage to be bonded.

For **State and Patented Claims**: The active mining disturbance, not including camp and access roads is 13 acres (acreage should be rounded to the next whole acre). This includes all areas that are part of the mining operation; including stripped areas, mining cuts, overburden and tailing stockpiles and disposal areas, temporary or permanent stream diversions, and settling ponds. This acreage must include all areas disturbed by a mining operation after October 15, 1991 that have not been approved as reclaimed by ADNR. If a mining operation disturbs a previously mined area, that area must also be included in the acreage to be bonded.

Refundable bond deposit (new): 13 acres X $112.50 = $ 1,462.50

Nonrefundable bond pool annual fee (new): 13 acres X $ 37.50 = $ 487.50

Total $ 1,950.00

Make check payable to 'Department of Natural Resources'. Sign and return form with applicable fees to: DNR - Mining: 550 W. 7th Ave. Suite 900B, Anchorage, AK 99501-3577 or 3700 Airport Way, Fairbanks, AK 99709-4699.

Signed - Miner — Date 04/03/2025

ADNR - Division of Mining, Land & Water — Date

BLM - Bureau of Land Management — Date

2024 ANNUAL RECLAMATION STATEMENT (33)

☐ Placer Mining
☐ Suction Dredging
☐ Hardrock Exploration

APMA # _____

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,_____hereby file an annual reclamation statement for the 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 2024: _____ cubic yards (Includes stripping and processed material.)

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

Total acreage disturbed in 2024: State _____, 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 _____ feet and Width _____ feet of stream diversion.

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

Total Area reclaimed in 2024: _____ acres.

Total un-reclaimed acres: _____ (This should match "total acreage currently disturbed" on the 2025 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:

☐ Did not operate in 2024 and therefore did not conduct reclamation.

Relationship to Claim(s)
☐ Owner ☐ Lessee ☐ Operator
☐ Agent For: _____

Signed_____ Date _____

2025 RECLAMATION PLAN FORM (HARDROCK EXPLORATION)

☑ A. RECLAMATION PLAN	☐ B. RECLAMATION PLAN VOLUNTARY	☐ C. LETTER OF INTENT (34)
(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).	(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).	(Less than five acres to be disturbed AND less than 50,000 cubic yards AND less than five acres unreclaimed area).

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: 0.00 acres. This should match: "Total Unreclaimed Acres" on your 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 2025 13 acres. Total acreage (currently disturbed plus new acres): 13 acres.

Acreage disturbed by land status: 13 State (general) _____ State (Mental Health) _____ Private _____ Federal

Total acreage to be reclaimed in 2025 13 acres; Total volume of material to be disturbed in 2025: 20973.34 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
APR 3 2025
Mining Section
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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.)

- 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.
- 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. All exploration trenches will be reclaimed by the end of the exploration season in which they are constructed, unless specifically approved by the DMLW (Mining operations are required by law to be reclaimed as contemporaneously as practicable with the mining operation to leave the site in stable condition).
- 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.
- All drill hole casings will be removed or cut off at, or below, ground level. All drill holes will be plugged by the end of the exploration season with bentonite holeplug or equivalent slurry, for a minimum of 10 feet within the top 20 feet of the drill hole. The remainder of the hole will be backfilled to the surface with drill cuttings. If water is encountered in any drill hole, a minimum of 7 feet of bentonite holeplug or equivalent slurry will be placed immediately above the static water level in the drill hole. (NOTE: The operator understands that complete filling of the drill holes, from bottom to top, with bentonite holeplug or equivalent slurry is also permitted and is considered to be the preferred method of hole closure, unless communicated otherwise by DMLW.)
- If artesian conditions are encountered, the operator will take all measures practicable to prevent the offsite discharge of those waters subject to 11 AAC 97.240 and will contact the DMLW for approval of hole plugging measures.
- At closure, all 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, hardwear, chemicals, fuels, waste, and general construction debris will be removed or properly disposed of.
- Reclamation measures taken will be consistent with any alternative 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 ≥ 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.**

Catherine Kim Printed name (Applicant) Signature (Applicant)	Relationship to Mineral Property: ☐ Owner ☐ Lessee ☑ Operator ☐ Agent For: _____	Date: 04/03/2025 APMA #: 2961