



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,****) 9744

What type activity are you planning to perform? *REQUIRED (1)	Surface estate of mineral properties: *REQUIRED (2)
<input type="checkbox"/> Suction Dredging/Reclamation <input type="checkbox"/> Placer Mining/ Reclamation <input checked="" type="checkbox"/> Hardrock Exploration/ Reclamation	<input type="checkbox"/> Reclamation Only <input type="checkbox"/> Access <input checked="" type="checkbox"/> State (General) <input checked="" type="checkbox"/> Federal <input type="checkbox"/> State (Mental Health) <input checked="" type="checkbox"/> Private <input type="checkbox"/> City or Borough

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

Name: JIM MUNSIE Primary Phone Number: 907 322 0441
 Address: P.O. Box 8155 Secondary Phone Number: _____
Fbks AK 99708 Email: _____

[Click here for the Department of Commerce Link](#)

Alaska Business/Corporation Entity# _____ Registered Agent (Corp./LLC/LP) _____

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

Name: KEYSTONE MINES LLC Primary Phone Number: 907 322 - 0546
 Address: P.O. Box 80525 Secondary Phone Number: _____
Fbks AK 99708 Email: _____

Alaska Business/Corporation Entity# _____ Registered Agent (Corp./LLC/LP) _____

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

Name: CHRISTINA MINING Co. Primary Phone Number: 907 306 7789
 Address: 4931 EAGLE STR Secondary Phone Number: _____
ANCHORAGE AK 99503 Email: _____

Alaska Business/Corporation Entity# _____ Registered Agent (Corp./LLC/LP) _____

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

Name: FREEDD Resources INC USA Primary Phone Number: 604 662 2309
 Address: P.O. Box 10351 Suite 888-700wds Secondary Phone Number: _____
Georgia, Vancouver BC, V1Y1G5 Email: _____

Attach a separate sheet for additional contacts

Alaska Business/Corporation Entity# _____ Registered Agent (Corp./LLC/LP) _____

Project Name If Applicable: (7)	Average Number of Workers: *REQUIRED (8)	Start-Up/Shut Down: (Month/Day) (9)
<u>CHRISTINA VEIN</u>	<u>1</u>	<u>MAY 15</u> to <u>OCT 1</u>

Mining District: *REQUIRED (10)	Applicable USGS Map(s): *REQUIRED (11)	On What Stream Is This Activity? (12)
<u>FAIRBANKS</u>	<u>Livengood A-1</u>	<u>WOLF CR.</u>

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

T3N, R2E S 17, 20 FAIRBANKS Meridian

Internal Use Only:

Internal Use Only:

Date Application Received Complete: _____ Adjudicator: _____ LAS Entry: _____
 Sec 3 CID: 50189/1324 Sec 4 CID: 50167 Sec 5 CID: 38791 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.	3307368 RAM 3	RAM 3	7.		
2.	058303 Cristina	Cristina	8.		
3.	058303 CARRIE A	CARRIE A	9.		
4.	MS 1007	Kowalita	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.	JD 700 H DOZER		✓	
2.	CASE 9030 EXCAVATOR		✓	
3.	JD 450C W 9300 BACKHOE ATT		✓	
4.	3" CHINA PUMP			
5.				
6.				
7.				
8.				

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: _____

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: SEASONAL ROADS: FBKS CREEK RD, CHATHAM RD

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 Improvements or Construction Proposed

APMA 9744 Active Area



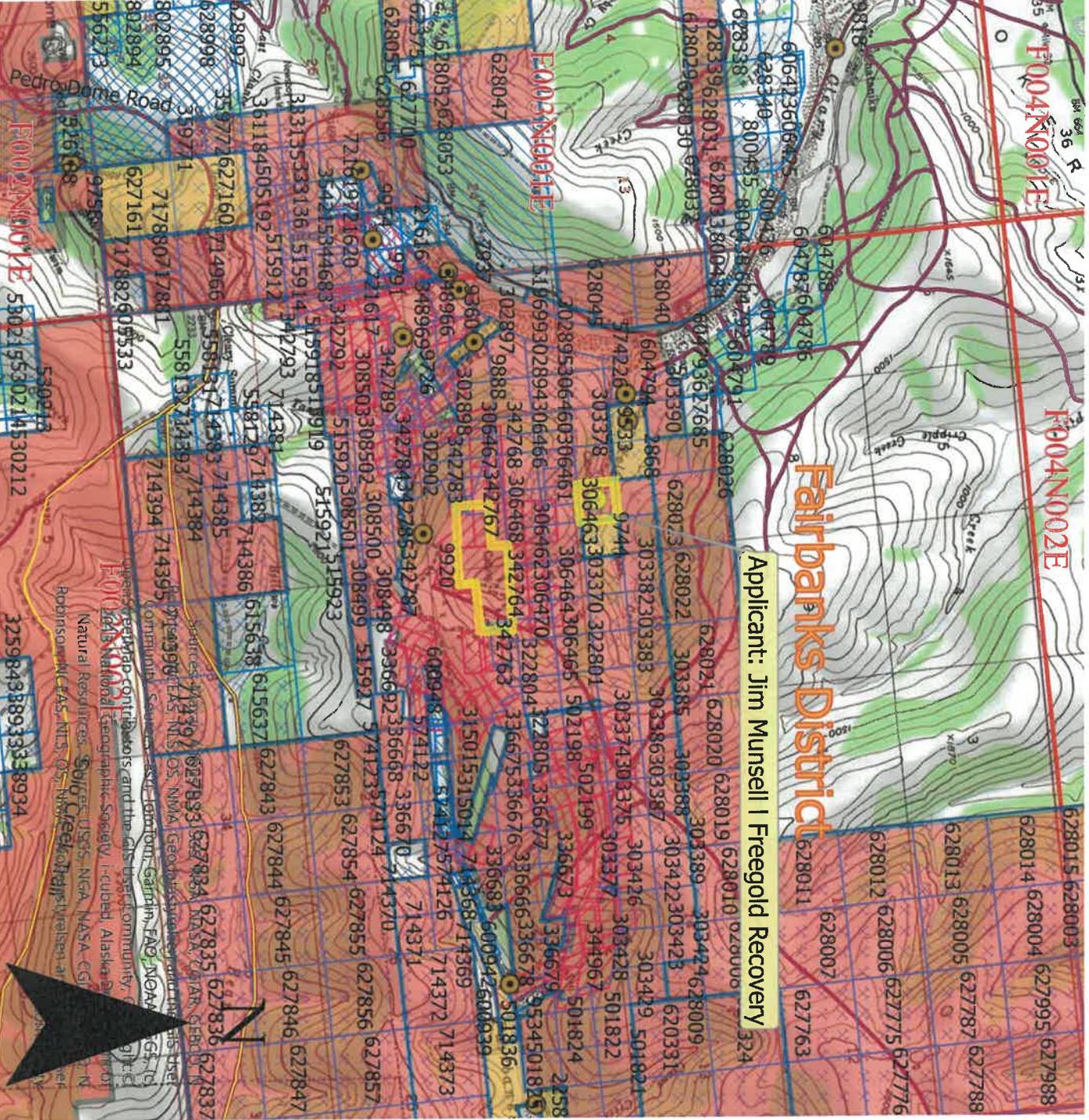
This map was created on 1/27/2026 by the Alaska Department of Natural Resources as a courtesy to supplement the application received. This map displays a graphical illustration only. Source documents remain the official record.

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Scale: 1:63,360

-  Mechanical Placer Mining
-  Hardrock Exploration
-  State Mining Claim Active
-  RS2477 Historic Transportation Routes

0 0.75 1.5 Miles
Center: 147°22'26"W 65°4'33"N



Fairbanks District

Applicant: Jim Munsell | Freegold Recovery

State Mining Claims

CASE_ID	CSTMNMM	SPCLCDDSCR	CSSTSDSCR	CLAIM_NAME	NTPSTDT	RRRSHDT
ADL 303368	CHRISTINA MINING COMPANY, LLC,	MINING CLAIM (MC)	ACTIVE (35)	RAM 3	1/11/1978 0:02	1/28/2026 4:00

Federal Mining Claims

BLM Product *	Case Disposition *	Case Serial Number *	Legacy Case Ser	Geographic Name
Lode Claim	Active	AK106592501	AKFF 058507	CARRIE A
Lode Claim	Active	AK106592495	AKFF 058503	CHRISTINA

Mineral Patent

USMS 1607

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:

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:

JIM MUNSSELL

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

1970 F 250 SUMMER

State the average total miles traveled in one round trip: _____ State the number of trips proposed: _____

State the start and end date(s) or period(s) of proposed travel: _____

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:

100 GAL

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:

55 GAL DRUM IN TRUCK

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

SAME (

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.

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:

ABSORBENT KIT w/ TRUCK

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: 100 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 be 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): x 330368
 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:		TRUCK CAMPER	TRUCK CAMPER	8'x11		

* 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):

NA

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.**

NA

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.

The Camper will be removed AT END OF Project.

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 50 ft Height 8 ft Width at crest 10 ft Width at base 20 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? 25 ac

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:

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.					<input type="checkbox"/>	<input type="checkbox"/>	<input 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

(24)

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 15 SEP 30

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.			
<u>Example:</u> Unnamed Creek	F	3N	3W	20	Start-Up	X	Make-Up	X
1.					Start-Up	<input type="checkbox"/>	Make-Up	<input type="checkbox"/>
Latitude: _____					Longitude: _____			
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.

Geographic Name of Water Source <i>(Same as sources Above).</i>	Diversion (gpm/cfs)	Withdrawal Rate (gpm/pump)	Number of Pumps	Hours per Day	Days per Month
Describe the water use information for each source. For recycle/settling pond system complete Section C.					
1. GOOSE CR		45 gpm	1	6	15
2.					
3.					
4.					
5.					

C. Recycle/Settling Pond System	Withdrawal Rate (gpm/pump)	Number of Pumps	Hours per Day	Days per Month	Additional Notes:
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.					
	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	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.
Provide information on camp water uses. If an ADEC public drinking water system is used, please attach certificate to operate and/or associated documents.						
Additional Notes:						

WATER USE AUTHORIZATIONS CONTINUED

(24)

E. Exploration Activities	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.
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.		3" Pump	1	6	15	GOOSE CR.

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.

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 #: N/A

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: No DISCHARGE

Approximate coordinates of mine site:

Latitude: N 65.07807 Longitude: W 147.37106

Source (e.g., DNR - Alaska Mapper): AK Mapper NAD 83

*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.

X

Signature of Responsible Party: Jim Russell

X

Responsible Party Name (First Last, Position) - Printed: Jim Russell

Business Name (if applicable) - Printed: YUKON PLACER

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 _____

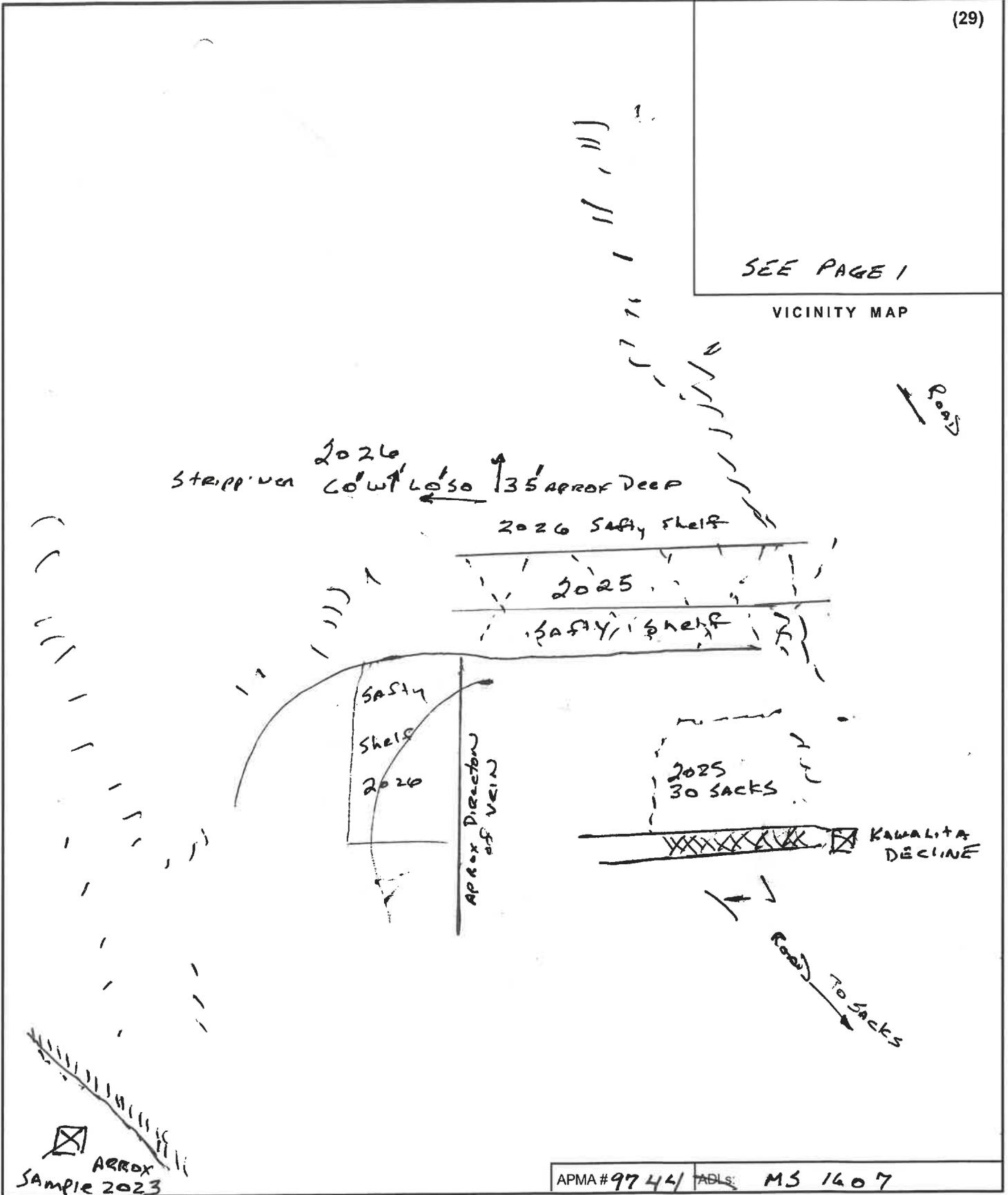
If yes include culvert locations, sizes and length on a map or table.

PLAN MAP OF OPERATION *REQUIRED

(29)

SEE PAGE 1

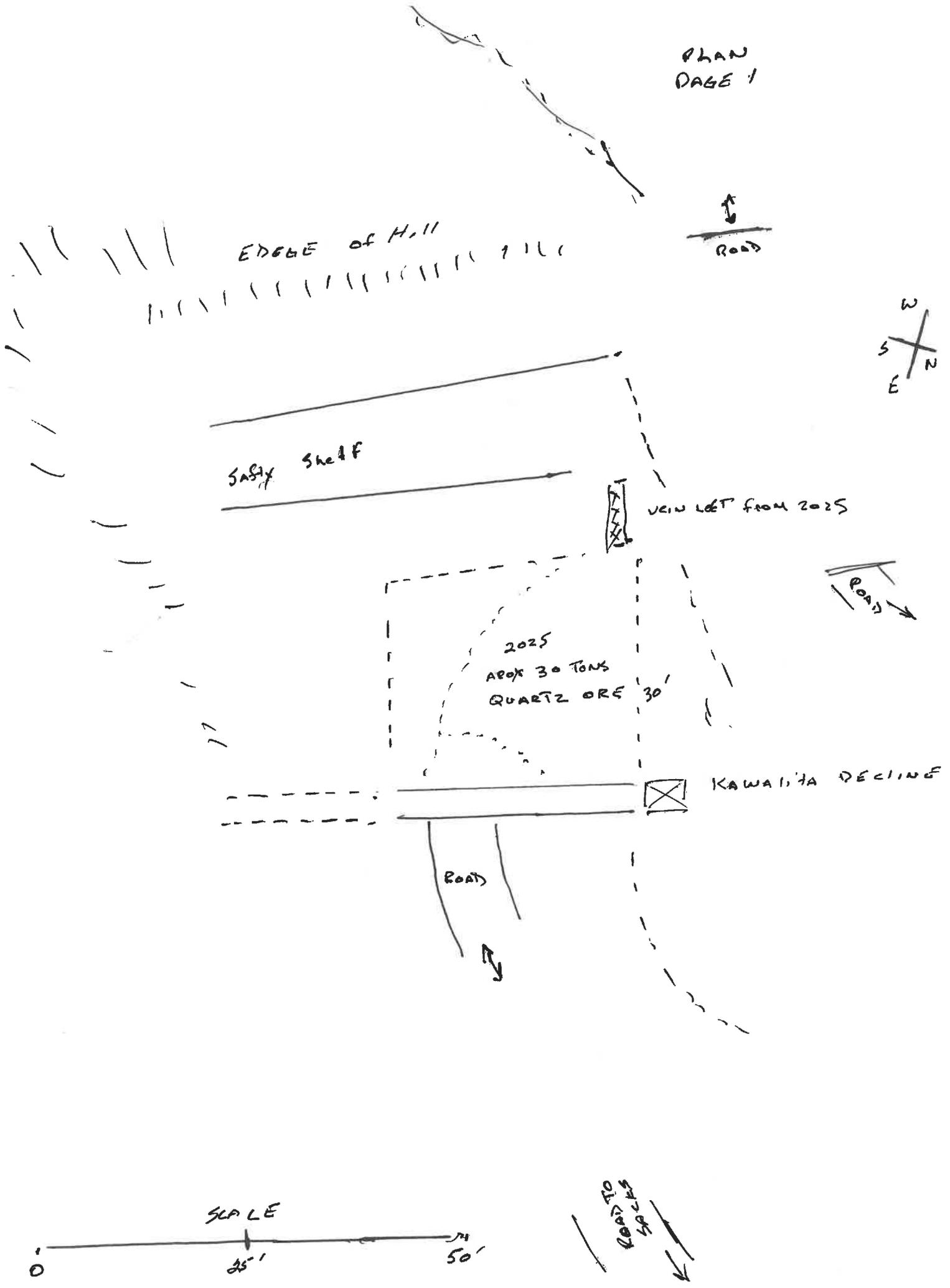
VICINITY MAP



APMA #9744 / ADLS: MS 1607

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

PLAN
PAGE 1



CROSS SECTION SKETCH *REQUIRED

BEFORE ACTIVITY

(30)

DURING ACTIVITY

AFTER ACTIVITY

Cross section 2026

EDGE of Hill

35' Pier

ROAD
OLD FILL

ROAD

SASTY SHELVE 2025

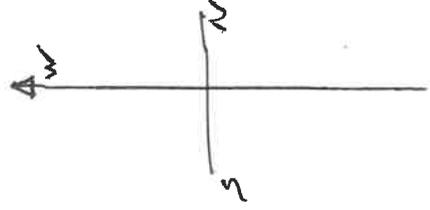
KAWALITA DECLINE

2026

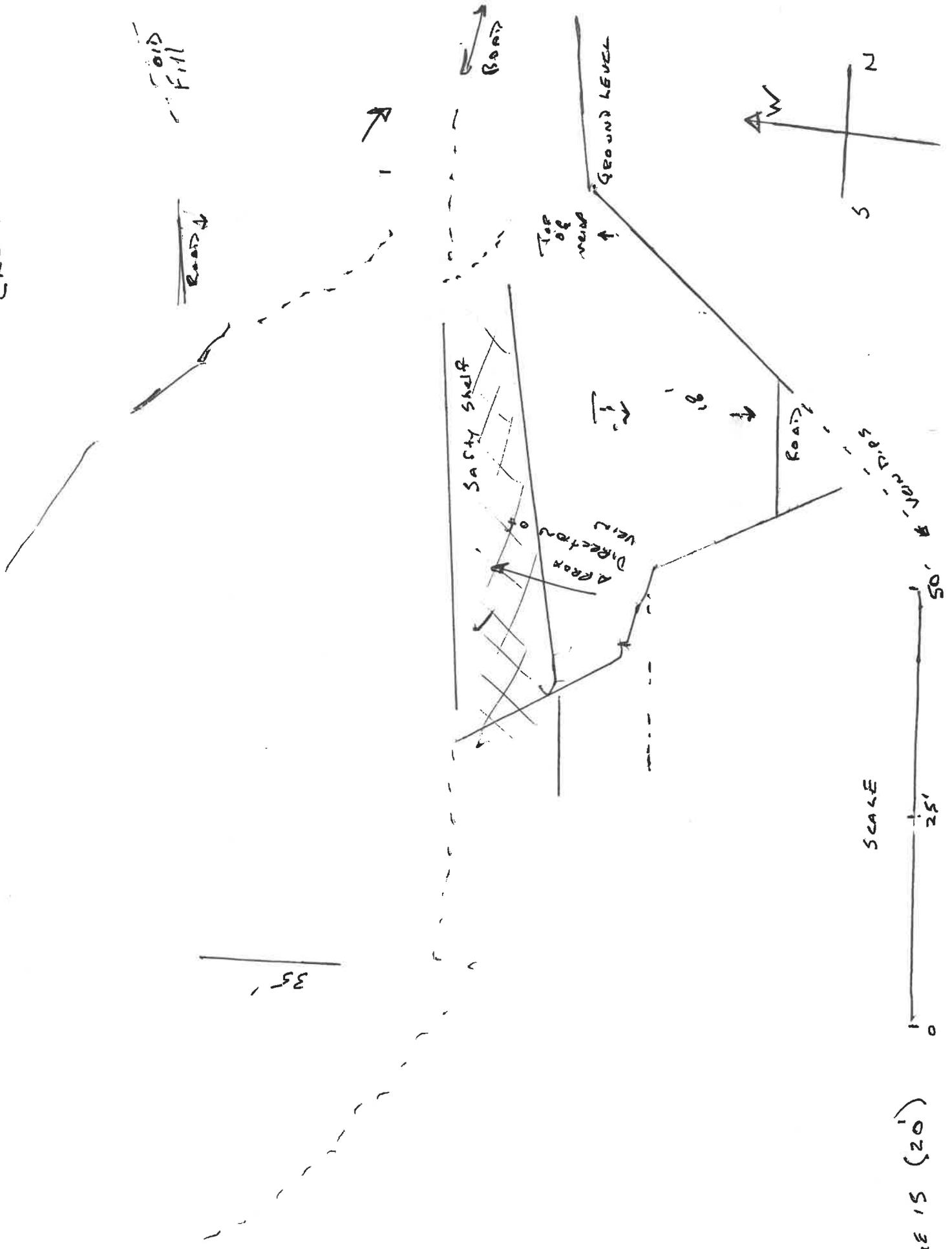
2025

ROAD LEVEL 2025

ROAD LEVEL APOX.
2026



Crosssection 2025



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)

PAGE 3
MAP MS1607

Trenching: Yes No

Estimated number of trenches to be excavated: 1 How long will trenches be open? 2025 - 2030

Average Size: Length: 100' Ft. Width: 55' Ft. Depth: 35' 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](#))

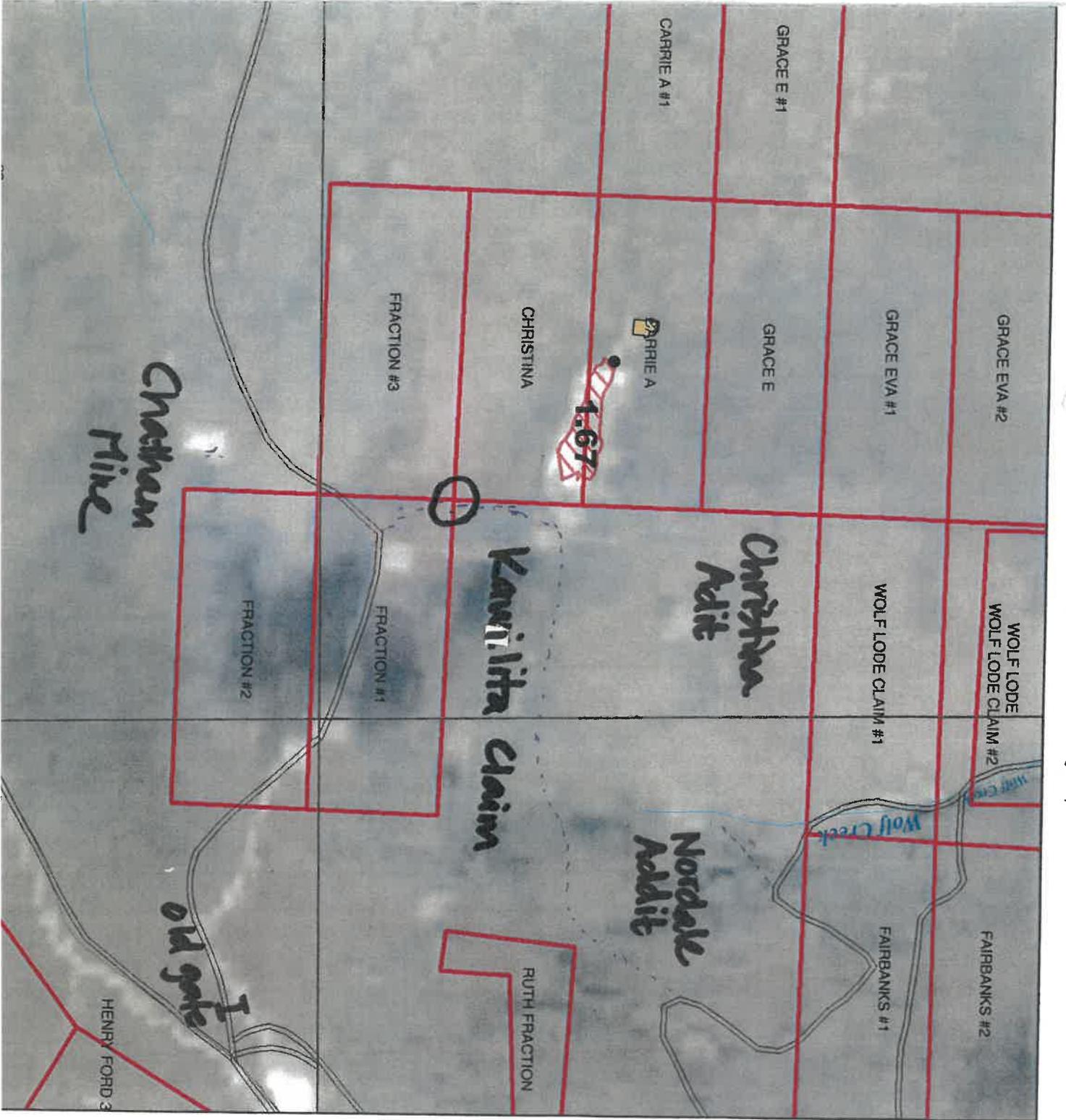
NARRATIVE

1. See PAGE 2 (16), PAGE 3, MAP
2. OPEN Trench w/ Excavator / Dozer. clear hanging wall with Excavator, HAND SORT QUARTZ ORE off of the Soot wall, fill SDMSO C Bachhof bucket w shovels and fill supersacks. Approx 35 sacks are sampled each year. The Gravity Mill, a 4' Ball Mill / SCREEN / Gravity Recovery off site. HAND WORK starts after stripping ... June 20 and END usually late July. personnel live off site.

Summer of 2026 DNR is Requested to visit the site for Reclamation and closure plan.
10. TAILINGS POND at the Mill has NO discharge
ANY historic STRUCTURES ARE ~~to be~~ kept AS FOUND.

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.



Chatham Mine

Kavilifa Claim

Christina Adit

Nordale Adit

PA Claim

circle trail

GRACE EVA #2

GRACE EVA #1

GRACE E #1

GRACE E

CARRIE A #1

CARRIE A

CHRISTINA

FRACTION #3

WOLF LODGE CLAIM #2

WOLF LODGE CLAIM #1

FAIRBANKS #2

FAIRBANKS #1

FRACTION #1

FRACTION #2

RUTH FRACTION

HENRY FORD 3

Old gate

Wolf Creek

Wolf Creek

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# _____

I, Christina Mining Co., OWNER of mineral property(s):

List all mineral properties by their casefile number (ADL/AKFF/USMS) or legal description (MTRS).
303368 058503 058509 Ram 3

(Attach additional sheet if necessary)

Have authorized N.M. Munsell
 Address of Operator P.O. Box 8155 Fairbanks, AK 99708
 to operate on these claims from 11/1/26 to 12/31/31

Owner's Signature Valerie Johnson Date 11/25
 VALERIE JOHNSON
 PRESIDENT,
 CHRISTINA MINING CO

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

NOTARY
 Subscribed and sworn to before me this 11 day of DEC, 2025
 For (owner)
 (Signature of Notary) [Signature]
 My commission expires: MARCH 12, 2027

JOSEPHINE D. RODRIGO
 My Commission Expires
NOTARY PUBLIC
 Mar 12, 2027
 STATE OF ALASKA

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

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

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 _____

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

NOTARY:
 Subscribed and sworn to before me this _____ day of _____, 20 ____.
 For (Lessee)
 (Signature of Notary) _____
 My commission expires: _____

NOTICE OF OPERATOR AUTHORIZATION -- STATE MINERAL LOCATIONS

All operators or lease holders submitting APMA's for operations on State 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 claims(s) by Name and ADL number(s), and the time frame (beginning and ending dates) for which the authorization remains in force. The Division of Mining, Land & Water will not issue any mining permits until we receive this Notice of Authorization. **Please include it with your APMA.**

OPERATOR AUTHORIZATION

I, Keystone Mines Partnership, OWNER of ~~state~~ 05 MS 1607 claim(s):

<u>Claim Name</u>	<u>ADL Number</u>	<u>Claim Name</u>	<u>ADL Number</u>	<u>Claim Name</u>	<u>ADL Number</u>
				<u>Kawalita</u>	<u>MS 1607</u>

(Attach additional sheet if necessary)

Have authorized Jim Munsell

Address of Operator P.O. Box 81155

to operate on these claims from 3/30/21 to 3/21/26

Owner's Signature William C. Bentley, Keystone Mines LLC Date 11-18-2025

NOTARY

Subscribed and sworn to before me this 18th day of November, 2025

For (owner)

(Signature of Notary) Hailee Tanner

My commission expires: 11/17/2026

STATE OF ALASKA
NOTARY PUBLIC
Hailee Tanner
 My Commission Ends November 7, 2026

DL # 0233623
 Exp: 7/19/27

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

I, _____, LESSEE of state claim(s):

<u>Claim Name</u>	<u>ADL Number</u>	<u>Claim Name</u>	<u>ADL Number</u>	<u>Claim Name</u>	<u>ADL Number</u>

(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:

2025 ANNUAL RECLAMATION STATEMENT

(33)

- Placer Mining
- Suction Dredging
- Hardrock Exploration

APMA # 9744

Complete and return this statement by December 31, 2025. 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, JIM MUNSSELL hereby file an annual reclamation statement for the 2025 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 2025: 0 cubic yards (Includes stripping and processed material.)

Sluice days last season: 1 Cubic yards of material processed daily: 1 Annually: 30

Total acreage disturbed in 2025 State 0, Federal 0, Private .5. (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 N/A feet and Width N/A feet of stream diversion.

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

✓ Total Area reclaimed in 2025: .25 acres.

✓ Total un-reclaimed acres: 5.5 (This should match "total acreage currently disturbed" on the 2026 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 taken]

Did not operate in 2025 and therefore did not conduct reclamation.

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

Signed Jim Munsell Date 1-20-20

2026 RECLAMATION PLAN FORM (PLACER EXPLORATION OR MINING)

<input checked="" type="checkbox"/> A. RECLAMATION PLAN (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. RECLAMATION PLAN VOLUNTARY (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 type="checkbox"/> C. LETTER OF INTENT (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: 5.5 acres. This should match: "Total Unreclaimed Acres" on your 2025 Annual Reclamation Statement for Small Mines, or line #7 on your 2026 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 2026 .5 acres. Total acreage (currently disturbed plus new acres): 6 acres.

Acreage disturbed by land status: 0 State (general) _____ State (Mental Health) 2 Private 3.5 Federal

Total acreage to be reclaimed in 2026: 5.5 acres; Total volume of material to be disturbed in 2026: 4000 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.

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.

<p><u>JIM MURRELL</u> Printed name (Applicant)</p> <p><u>[Signature]</u> Signature (Applicant)</p>	<p>Relationship to Mineral Property:</p> <p><input type="checkbox"/> Owner <input type="checkbox"/> Lessee <input checked="" type="checkbox"/> Operator</p> <p><input type="checkbox"/> Agent For: _____</p>	<p>Date: <u>1-20-26</u></p> <p>APMA #: <u>9744</u></p>
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**STATE OF ALASKA, DEPARTMENT OF NATURAL RESOURCES
STATE WIDE BOND POOL RENEWAL FORM
FOR 2025 OPERATIONS
2026**

APMA # 9744

SIM MURSELL
Name

P. O. Box 81155 FAIRBANKS AK 99708
Mailing Address City State Zip

Submits to the State of Alaska, Department of Natural Resources, a renewal of reclamation bonding in accordance with AS 27.19 for mining activity on claim's: AKFF58503, MS 1607

located in T. 3N, R. 2E, Sections 17, 20, F6E5 M.

The amount of the refund or amount owed is calculated as follows:

1. Only whole number of acres bonded in 2025 8 acres rounded up to next integer: 8 acres
2. Total whole number of acres disturbed in 2025? 6 acres rounded up to next integer: 6 acres

This includes unreclaimed acreage from previous years, October 1991 to present, for state or private lands, and 1981 to present for federal claims. On federal claims include area of camp and access roads.

Bonding credits carried forward from 2024 to 2025:
If you claim any acres in 3 or 4 complete the Bond Pool release form.

3. Number of acres bonded in 2025 but not disturbed: 2 acres x \$ 112.50 = \$ 225.00
(1 minus 2 above)

4. Number of acres reclaimed in 2025 and approved by BLM/DNR. 0 acres x \$ 112.50 = \$ 0
Federal miners must submit a **Financial Guarantee Amount Reduction Letter** from BLM. All miners requesting a reduction of acreage must fill out the application for **Bond Release Form**, and include evidence of their reclamation with Photo/Video documentation unless otherwise specified by DNR.

5. Dollar total of lines 3 + 4: \$ 225.00

Bonding obligations for 2025:

6. Acreage disturbed but not bonded in 2024 (2 minus 1 above): 0 acres x \$ 150.00 = \$ 0

7. Number of all 2025 unreclaimed acres (2 minus 4 above): 6 acres x \$ 37.50 = \$ 225.00
(line 7 should match "total acreage currently disturbed" on your 2024 Reclamation Plan.

8. New acres to be disturbed in 2026 2 acres x \$ 150.00 = \$ 300.00

9. Dollar total of lines 6 + 7 + 8: \$ 300.00

10. Total acreage bonded in 2025 (7 + 8): 8 acres

If line 5 is larger than line 9 enter the difference here \$ 0. This amount will be refunded.

If line 9 is larger than line 5, the difference is due DNR \$ 300.00. Make check payable to: DEPARTMENT OF NATURAL RESOURCES.

Jim Murrell 1-20-24
Signed - Miner Date

ADNR - Division of Mining, Land & Water Date

[Signature] 01/20/2026
BLM - Bureau of Land Management Date

Submit to DNR

Clear Form

**APPLICATION FOR RELEASE OF RECLAMATION BOND
OR
REFUND OF BOND POOL DEPOSIT**

APMA NUMBER: 9744

Name of Applicant: Jim Mansell

This form may be used to request release of a reclamation bond or a refund of the refundable portion of the bond pool deposit. **If the bond is for operations on federal claims, reclamation approval is required by the federal land manager before DNR will make the bond deposit refund.** If DNR has not inspected reclamation on the mineral property(s), photographs of the completed reclamation work may be required before the bond is released.

List the mineral property(s) that are subject to a release of a reclamation bond reduction, or refund of the refundable portion of the bond pool deposit. Please provide the casefile type (e.g.; ADL/AKFF/USMS) and number, or if Native Land, provide the legal description (MTRS). AK FF 5850.3

Check all that apply: Reclamation Completed No Acreage Disturbance Successor of Interest
Note: _____

In accordance with the above referenced Annual Placer Mining Application (APMA) and approved reclamation plan, the number of acres bonded was 8. I request a release of the bonding obligation and a refund of the refundable bond pool deposit for 2 acres that have been reclaimed, were never disturbed, or a successor of interest has assumed all liability. I understand bond monies are refundable only to those individuals or businesses originally submitting such, unless proper documentation is enclosed indicating refunds should be issued otherwise.

I hereby swear or affirm, under oath, that I have examined Alaska Statute 27.19 (Reclamation Act), 11 AAC 97 (Reclamation Regulations) and my approved reclamation plan and believe myself to have completed the reclamation to the required standards and in accordance with my approved reclamation plan. Photographs of the completed reclamation work are attached: Yes No

I understand if the commissioner determines reclamation was not done in accordance with the approved plan of operations and this sworn statement, I remain liable under AS 27.19 to complete the reclamation.

I certify under penalty of perjury the foregoing is true and accurate.

(Signature of Applicant) Jim Mansell

(Date) 1-20-26

NOTARY:

Subscribed and sworn before me this

This 20 day of January, 20 26

Signature of Notary: [Signature]

My Commission Expires: With office

