

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, \*\*\*\*) 2179

What type activity are you planning to perform? *REQUIRED (1) <input type="checkbox"/> Suction Dredging/Reclamation <input type="checkbox"/> Reclamation Only <input checked="" type="checkbox"/> Placer Mining/ Reclamation <input type="checkbox"/> Access <input type="checkbox"/> Hardrock Exploration/ Reclamation	Surface estate of mineral properties: *REQUIRED (2) <input checked="" type="checkbox"/> State (General) <input type="checkbox"/> State (Mental Health) <input type="checkbox"/> Federal <input type="checkbox"/> Private <input type="checkbox"/> City or Borough	
Check All That Apply: <input checked="" type="checkbox"/> Mineral Property Owner <input type="checkbox"/> Lessee <input type="checkbox"/> Operator *Required (3) Name: <u>Mark Farrar</u> Primary Phone Number: <u>(907) 444-9288</u> Address: <u>2521 E. Mtn. Village Dr. #B, PMB532</u> Secondary Phone Number: <u>(907) 631-1544</u> <u>Wasilla, AK 99654</u> Email: <u>aktraveler462@hotmail.com</u> Click here for the Department of Commerce Link Alaska Business/Corporation Entity# _____ Registered Agent (Corp./LLC/LP) _____		
Check All That Apply: <input type="checkbox"/> Mineral Property Owner <input type="checkbox"/> Lessee <input checked="" type="checkbox"/> Operator *Required (4) Name: <u>Mark Farrar</u> Primary Phone Number: <u>(907) 444-9288</u> Address: <u>2521 E. Mtn. Village Dr. #B, PMB532</u> Secondary Phone Number: <u>(907) 631-1544</u> <u>Wasilla, AK 99654</u> Email: <u>aktraveler462@hotmail.com</u> Alaska Business/Corporation Entity# _____ Registered Agent (Corp./LLC/LP) _____		
Check All That Apply: <input type="checkbox"/> Mineral Property Owner <input type="checkbox"/> Lessee <input type="checkbox"/> Operator *Required (5) Name: _____ Primary Phone Number: _____ Address: _____ Secondary Phone Number: _____ _____ Email: _____ Alaska Business/Corporation Entity# _____ Registered Agent (Corp./LLC/LP) _____		
Check All That Apply: <input type="checkbox"/> Mineral Property Owner <input type="checkbox"/> Lessee <input type="checkbox"/> Operator *Required (6) Name: _____ Primary Phone Number: _____ Address: _____ Secondary Phone Number: _____ _____ Email: _____ Attach a separate sheet for additional contacts Alaska Business/Corporation Entity# _____ Registered Agent (Corp./LLC/LP) _____		
Project Name If Applicable: (7) <u>Boulder Bench</u>	Average Number of Workers: *REQUIRED (8) <u>1</u>	Start-Up/Shut Down: (Month/Day) (9) <u>May 15</u> to <u>October 30</u>
Mining District: *REQUIRED (10) <u>Circle</u>	Applicable USGS Map(s): *REQUIRED (11) <u>Circle B3</u>	On What Stream Is This Activity? (12) <u>Boulder Creek</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 <u>Fairbanks Meridian, T07N, R13E, Section 04</u>		Internal Use Only: State of Alaska Natural Resources FEB 09 2026 Mining Section Permitted
Internal Use Only: Date Application Received Complete: _____ Adjudicator: _____ LAS Entry: _____ Sec 3 CID: <u>13440</u> 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.	727731	BC#1	7.		
2.	801262	BC#3	8.		
3.			9.		
4.			10.		
5.			11.		
6.			12.		

**INVENTORY OF EQUIPMENT**

(15)

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

Check One:

	Make, Model, Type, Size, Purpose of Equipment or Pump	Quantity of this type	Located on the claim block?	Transporting to claim block?
1.	Komatsu PC150 trackhoe	1		X
2.	John Deere 892 ELC trackhoe	1		X
3.	Caterpillar D8 crawler tractor	1		X
4.	Trommel washplant	1		X
5.	Pump Truck	1		X
6.	4 inch Water Pump	1		X
7.	3 inch Water Pump	1		X
8.	Chevrolet Pickup	1		X

**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: RST 810+Boulder Cr. Trail

Navigable Waterway

Aircraft Supported

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

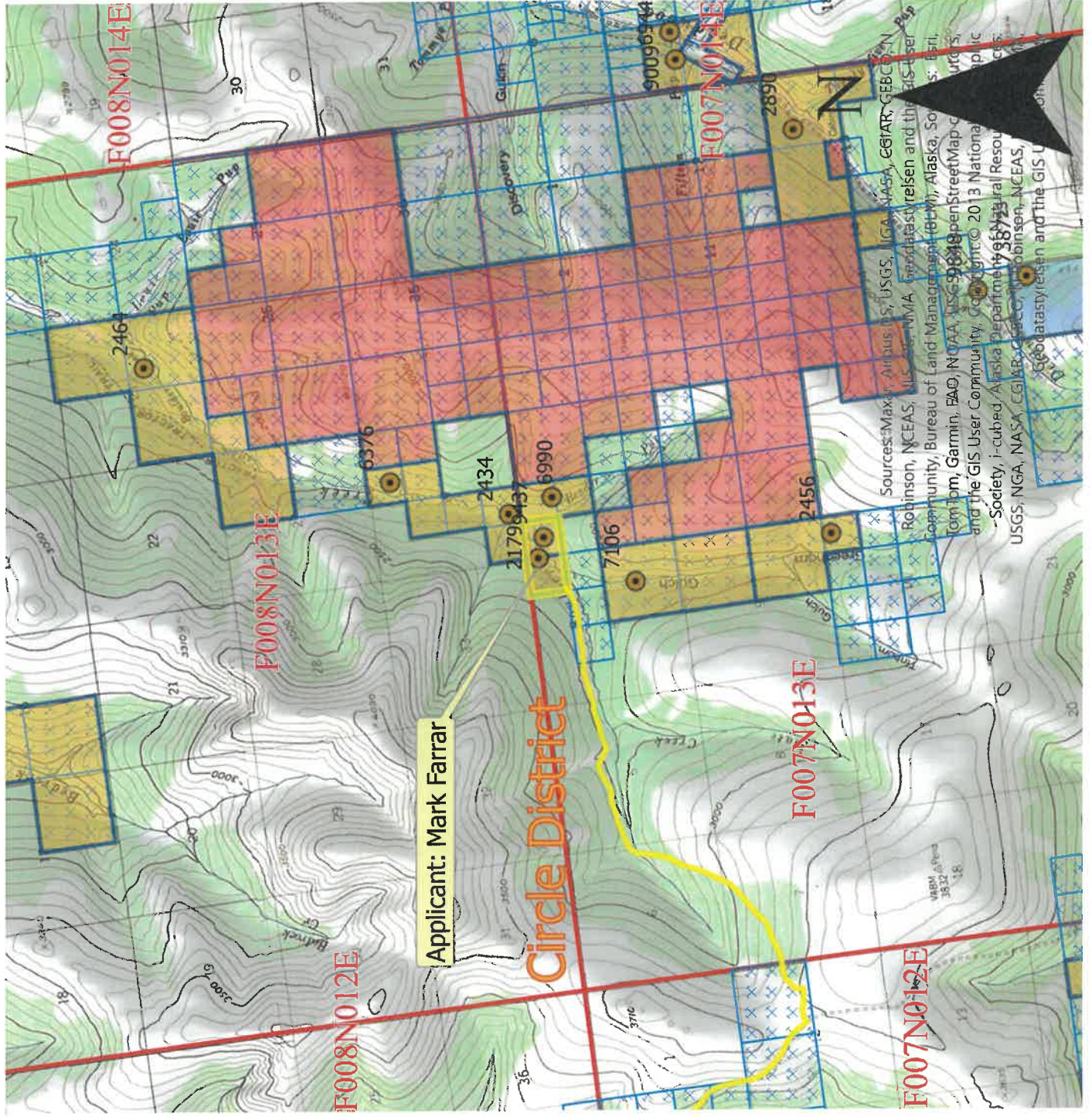
Road(s)  Helicopter Pad  Airstrip  No Improvements or Construction Proposed

# APMA 2179 Active Area



This map was created on 4/22/2026 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

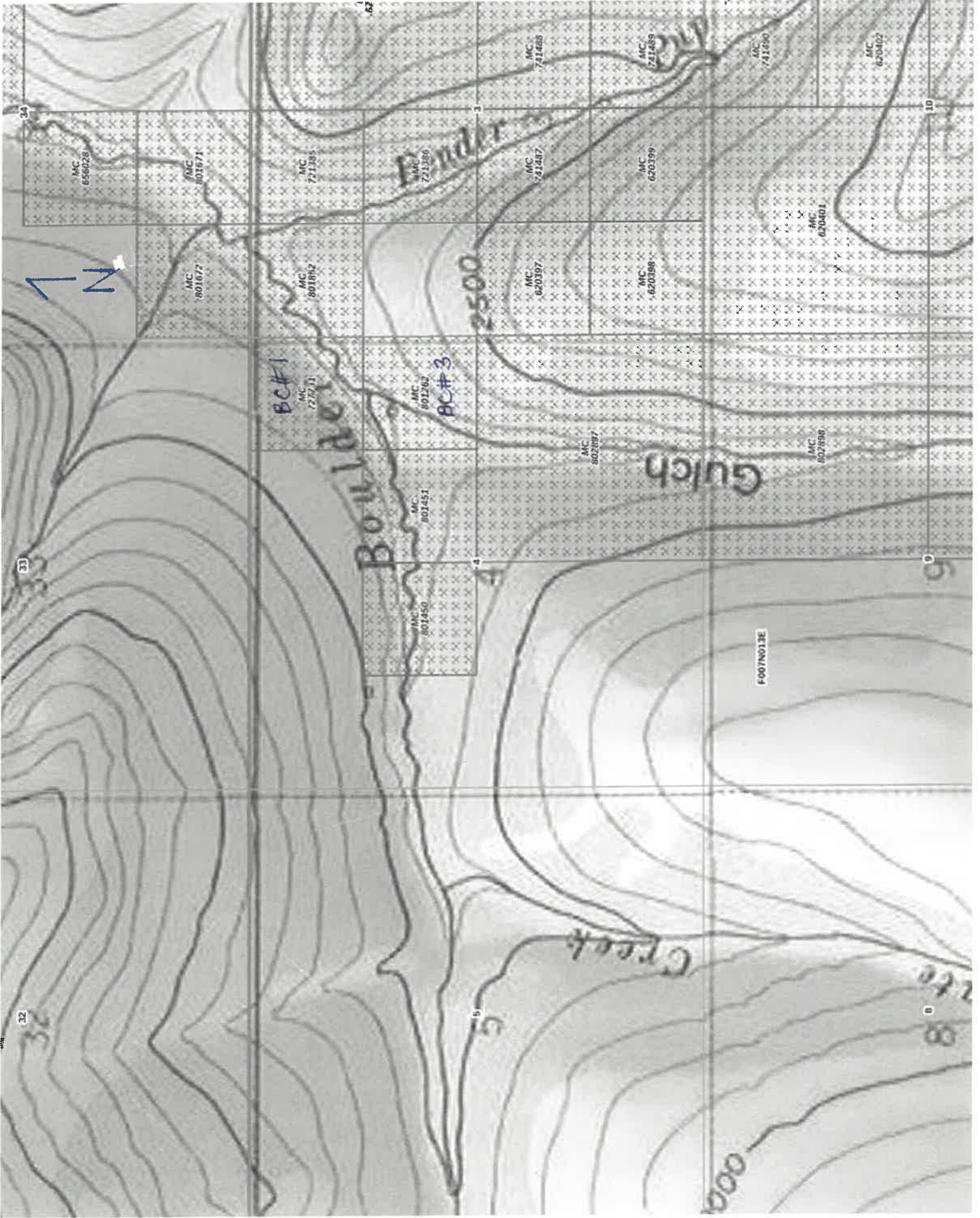
- Mechanical Placer Mining
- Hardrock Exploration
- Suction Dredge / Dredging
- State Mining Claim Active



Center: 145°3'55"W 65°28'5"N

Sources: Maxar, Airbus DS, USGS, UGA, NASA, Geotasty/Reisen and the GIS User Community, NCEAS, USGS, NMA, Geotasty/Reisen and the GIS User Community, Bureau of Land Management (BLM), Alaska, So...  
 TomTom, Garmin, BAO, NOAA, USGS, OpenStreetMap contributors, and the GIS User Community, Geotasty © 2013 National Geographic Society, i-cubed, Alaska Department of Natural Resources, USGS, NGA, NASA, EGM96, Geotasty/Reisen and the GIS User Community, Geotasty/Reisen and the GIS User Community

CASE_ID	CSTMRNM	SPCLCDDSCR	CSSTSDSCR	CLAIM_NAME	NIPSTDT	RRSHDT
ADL 801262	FARRAR, MARK C	MINING CLAIM (MC)	ACTIVE (35)	BC#3	3/21/2023 14:34	4/22/2026 4:01
ADL 727731	FARRAR, MARK C	MINING CLAIM (MC)	ACTIVE (35)	BC#1	3/4/2018 12:22	4/22/2026 4:01



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:

Stream crossings will be in shallow riffled areas on existing roads and trails. Spill kits will be available for all crossings of flowing waters.

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:

Mark Farrar

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

Komatsu trackhoe - 33,900 lbs.	Water pump 4 inch - 500 lbs
John Deere trackhoe - 68,000 lbs.	Water pump 3 inch - 150 lbs.
Cat crawler tractor - 51,000 lbs	
Trommel washplant - 6500 lbs.	
Dump truck - 31,000 lbs.	
Chevrolet pickup - 9400 lbs.	

State the average total miles traveled in one round trip: 23. State the number of trips proposed: 40.

State the start and end date(s) or period(s) of proposed travel: 5-20 to 10-16.

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

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

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

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

Are you transporting fuel?  Yes  No

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

300 gallons diesel, 50 gallons gasoline

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

Motor oil - 110 gallons, Hydraulic oil - 110 gallons, Lubricating grease - 4 cases

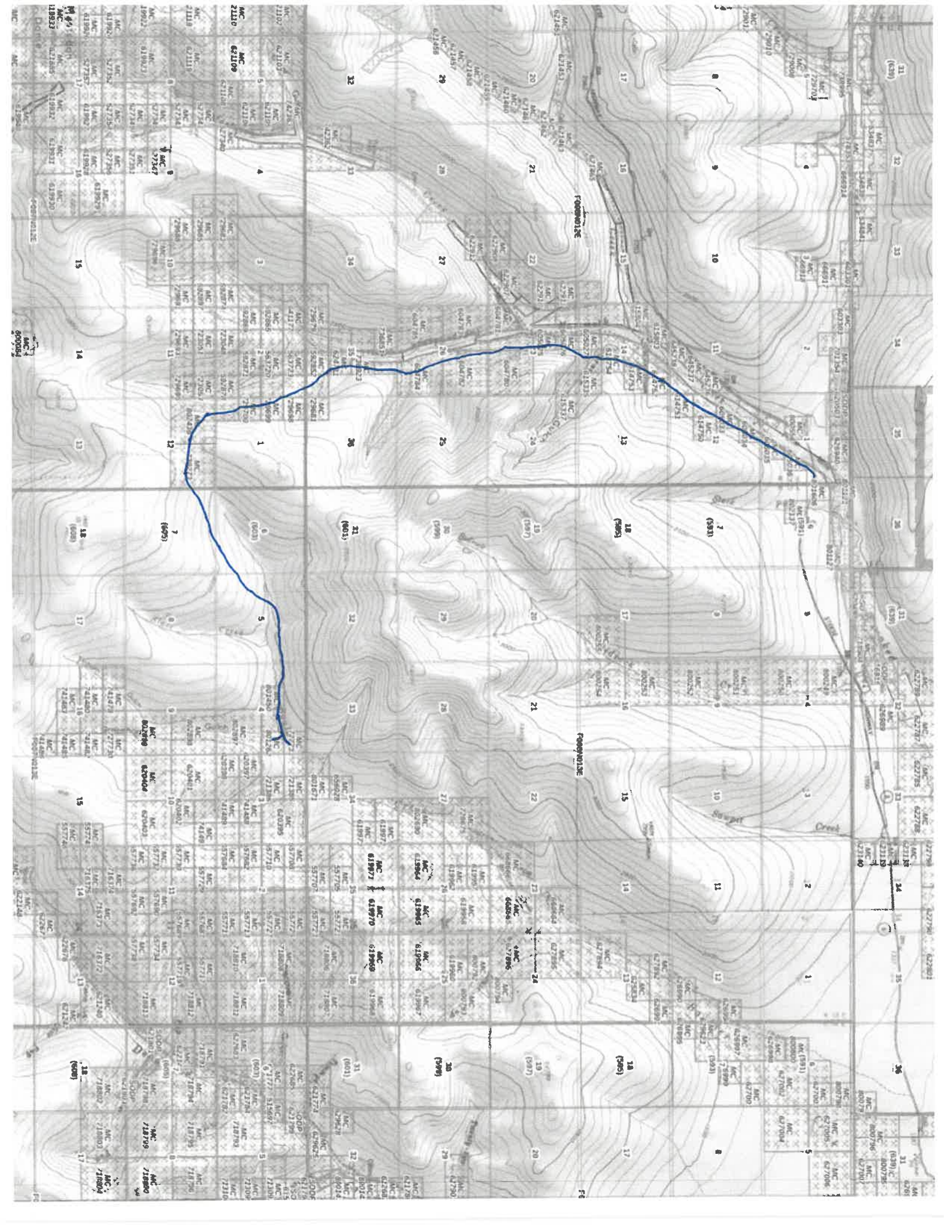
How are petroleum products contained? (i.e., drums, bladders, steel tanks, etc.) Indicate size of containers:

55 gal. steel drums, 5 gal. plastic pails/buckets, Cardboard cases for grease

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

Pickup truck utilized to haul 55 gal. drums and 5 gal. pails.





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:

Personnel trained will utilize portable containment equipment including duck ponds, metal drip pans and absorbant spill kits to contain any leaking of fuel or oil spills.

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: Short term storage in labeled 55 gallon steel drums to be transported offsite.

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

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

TEMPORARY STRUCTURES/FACILITIES

(18)

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

If "No", Please explain: \_\_\_\_\_

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

What type of property is the camp located on?  State  Federal  Private (Patented)  City or Borough  MHTL  
If camp is on private land, provide location: \_\_\_\_\_

Proposed perimeter dimensions of camp: 200 Length (feet) 100 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): 001262  
 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	1		Sleeping area, storage	12' X 20'		
Tent			Gold cleanup, storage	10' X 16'		
Trailer	1		Sleeping area, kitchen	8' X 20'		
Platforms						
Out-Buildings	1		Pit privy, storage	8' X 10'		
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):

Pit privy located 150 ft from any flowing water. Grey water contained in holding tank to be transported offsite and properly disposed of.

**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.

Paper waste will be burned onsite when conditions are allowable. All other waste will be properly stored until it can hauled offsite to an approved dumpsite or recycle site.

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: 150 feet

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

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

All structures, equipment, supplies, storage tank/drums will be removed and transported from the claims at the end of mining activities. Any materials, debris and scrap will be removed as required by State regulations. Restoration of minesite by contouring of disturbed areas prior to expiration of APMA permit or sooner if possible.

**MINING METHOD**

(19)

Mechanical Placer Mining (e.g., terrestrial open-cut operations with dozer or excavator, etc.)

Estimated cubic yards processed annually: 7500

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. <sup>3</sup> /Hr.:		Yds. <sup>3</sup> /Hr.:		Yds. <sup>3</sup> /Hr.:	
Wastewater Discharge Rate	GPM:		GPM:		GPM:	
Maximum Water Depth	Feet:		Feet:		Feet:	
Average Daily Operating Hours						
Operation on Sea Ice (Yes/No)	Yes <input type="checkbox"/> / No <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
Vessel Registration # / State	#:	State:	#:	State:	#:	State:

Location:  Offshore / Salt Water  Pond connected to stream  
 Stream  Pond isolated from stream  
 Mine cut 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: 4 How long will the test pit be open if not converted into an active mine cut? 30 days

Average Size: Length: 10 Ft. Width: 6 Ft. Depth: 9 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
Ex.#1	727731
Ex.#2	727731
Ex.#3	801262
Ex.#4	801262

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



E-#3

E-#2

E-#4

E-#1

MS  
22211

**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:

*Komatsu trackhoe, JD trackhoe, Cat D8, Trommel Washplant, 10yd Dump Truck, pickup truck, travel trailer and 4 wheeler ATV.*

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

	Stream Name/ Water Source	NAD 83 Datum (approximate) Coordinates can be obtained using Alaska Mapper <a href="http://dnr.alaska.gov/mapper/controller">http://dnr.alaska.gov/mapper/controller</a>		MTRSC ¼ ¼ Ex: F001S001N01 SWSW	Check boxes to indicate type(s) of activity		
		Latitude ddd.mmmm	Longitude -ddd.mmmm		Crossing	Dredging	Water Intake
1.	Boulder Creek	65.4629N	145.1371 W	F07N,R13E,6SE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Boulder Creek	65.4664 N	145.0702 W	F07N,R13E,4NENE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	Greenhorn Gulch	65.4664 N	145.0689 W	F07N,R13E,4NENE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	Boulder Creek	65.4674 N	145.0672 W	F07N,R13E,4NENE	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5.	Greenhorn Gulch	65.4664 N	145.0690 W	F07N,R13E,4NENE	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

**WATER USE AUTHORIZATIONS**

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

- Is there a current Water Right within the proposed mineral property boundary? Yes  No
- If yes, provide the LAS or ADL Water Right Case File number: \_\_\_\_\_
- What are the months of water use needed (for example May 1<sup>st</sup> through October 31<sup>st</sup>)? May 15 - Oct. 16

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

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

Example: Finger Lake: Fairbanks Meridian, Township 3 North, Range 3 West, Section 20.  
 MTRS: F3N3W 20  
 Lat/Long: 65° 4' 15" N; 148° 12' 43" W

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

Provide the geographic name or locally know name of water Source. (Recycle/settling ponds, creek, stream, well, etc.)  If requesting a stream reach, clearly identify the entire stream reach on a legible map.	Meridian	Township	Range	Section(s)	Start-Up Water and/or Make-Up Water? Check each applicable box.			
					Start-Up	X	Make-Up	X
<b>Example:</b> Unnamed Creek	F	3N	3W	20	Start-Up	X	Make-Up	X
1. <u>Boulder Creek</u>	<u>F</u>	<u>7N</u>	<u>13E</u>	<u>4</u>	Start-Up	<input checked="" type="checkbox"/>	Make-Up	<input checked="" type="checkbox"/>
Latitude: <u>65.4674 N</u>					Longitude: <u>145.0672 W</u>			
2. <u>Greenhorn Gulch Creek</u>	<u>F</u>	<u>7N</u>	<u>13E</u>		Start-Up	<input checked="" type="checkbox"/>	Make-Up	<input checked="" type="checkbox"/>
Latitude: <u>65.4664 N</u>					Longitude: <u>145.0690 W</u>			
3. <u>Pond System</u>	<u>F</u>	<u>7N</u>	<u>13E</u>		Start-Up	<input type="checkbox"/>	Make-Up	<input checked="" type="checkbox"/>
Latitude: <u>65.4660 N</u>					Longitude: <u>145.0670 W</u>			
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>  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. Boulder Creek		400	1	4	6
2. Greenhorn Gulch		200	1	4	6
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:
400	1	4	20	for wash plant
Pond # 1: L: 80 ft W: 40 ft D: 6 ft			Pond # 2: L: 50 ft W: 40 ft D: 6 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.
4	200	1	2	10	Greenhorn Gulch
Additional Notes:					

**WATER USE AUTHORIZATIONS CONTINUED**

(24)

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

**D. SUCTION DREDGING.**

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

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

(25)

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

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

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

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

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

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.    *NA*

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: Boulder Creek

**Approximate coordinates of mine site:**

Latitude: 65.4670 N Longitude: 145.0678 W  
 Source (e.g., DNR - Alaska Mapper): 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: Mark Farrar

Responsible Party Name (First Last, Position) - Printed: Mark Farrar

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: 65.4670 N Longitude: - 145.0678 W

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

Please list Corps permits previously issued for this site: POA- 2019 - 00154, 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:

<u>Mark Farrar</u>	<u>Mark Farrar</u>	<u>02-04-2026</u>
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.

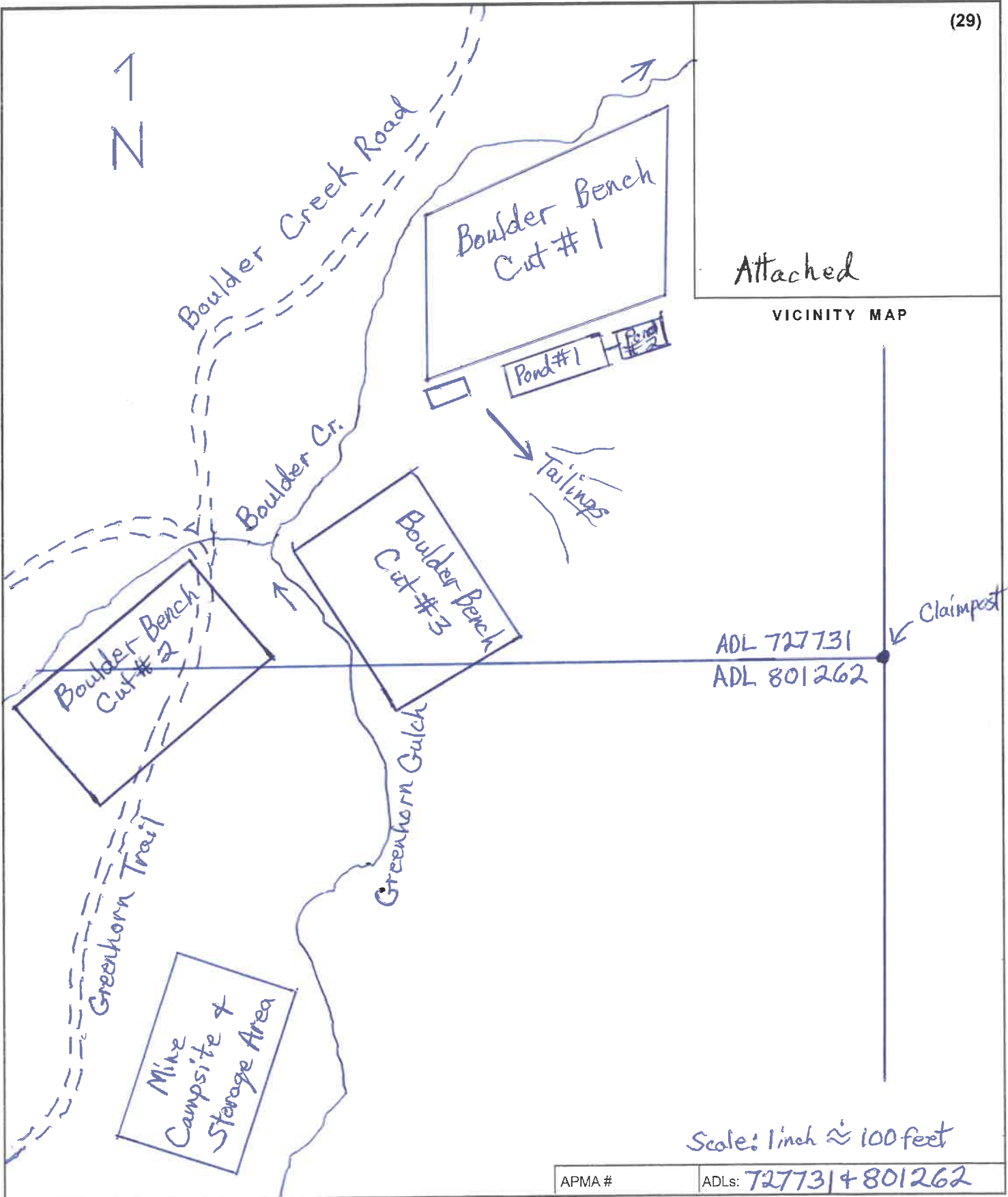
**\*Required: A written stream diversion narrative in addition to this form. The narrative should describe the following:**

- 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 No  
If yes include culvert locations, sizes and length on a map or table.

PLAN MAP OF OPERATION \*REQUIRED

(29)

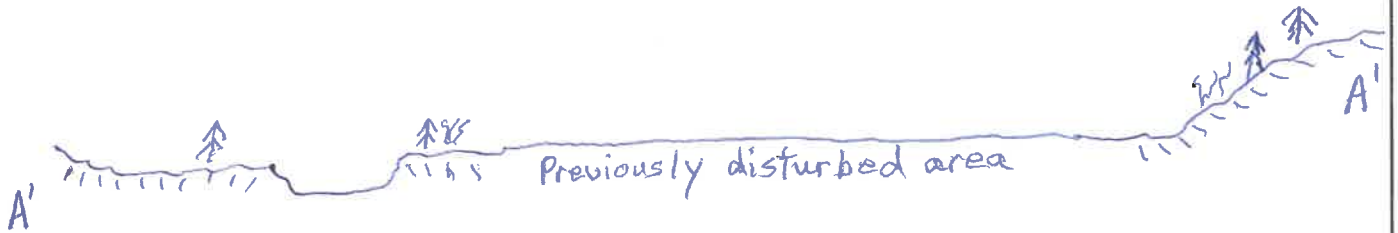


(Attach additional sheets, along with detailed explanations as necessary)

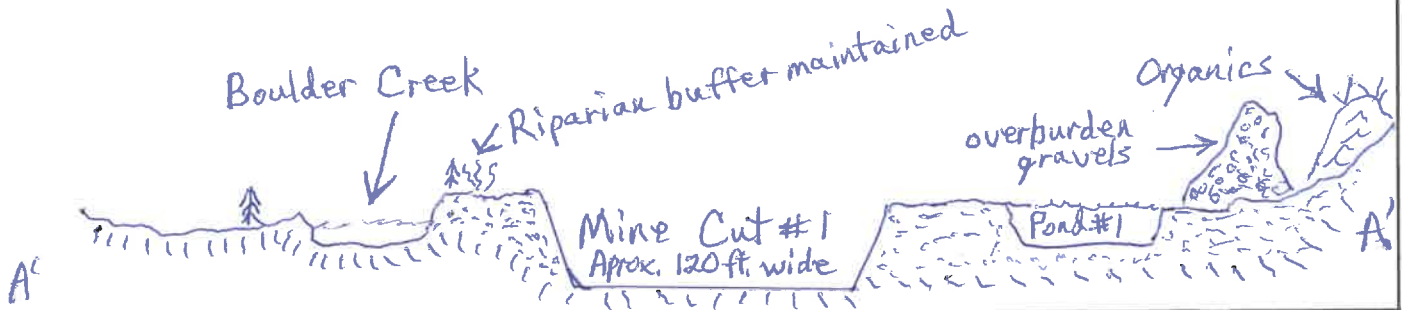
CROSS SECTION SKETCH \*REQUIRED

BEFORE ACTIVITY

(30)



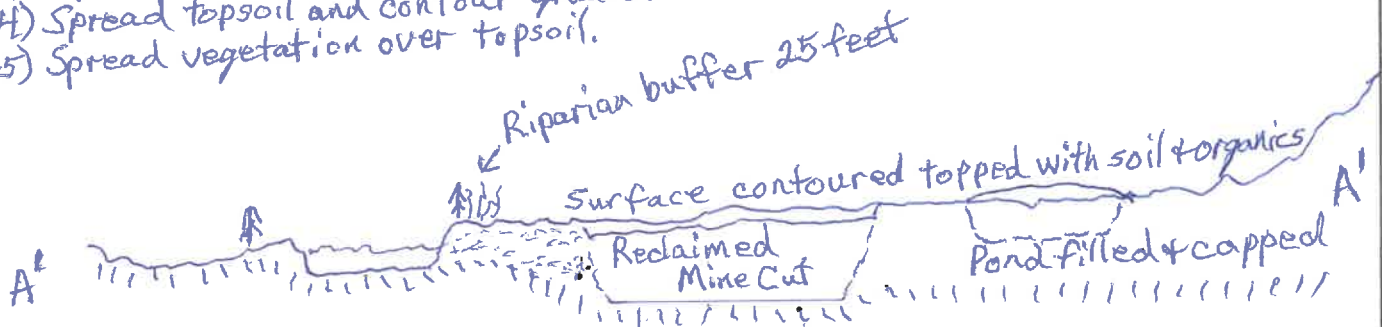
DURING ACTIVITY



AFTER ACTIVITY

Reclamation Steps

- 1) Slowly drain ponds
- 2) Fill cut and ponds with coarse overburden.
- 3) Cap cut and ponds with fines.
- 4) Spread topsoil and contour grades.
- 5) Spread vegetation over topsoil.



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.

### Boulder Bench Mine Narrative

**DESCRIBE ACCESS, PERSONNEL HOUSING AND CAMP LAYOUT:** Access is via the existing Harrison Creek road and Boulder Creek road from the Steese Highway. The camp location is on the BC#3 claim on a level previously disturbed area and will include one travel trailer, one framed structure for sleeping quarters and year-round storage, one outdoor tent for gold cleanup and one pit privy located more than 100 feet from any flowing water or ponds.

**DESCRIBE PROGRESSIVE STEPS OF MINING METHOD:** Mining of Cut #1 will begin with stripping vegetation and topsoil to be stockpiled separately well away from the cut for future reclamation. Overburden will be stockpiled near the cut to provide fill after mining. Pay gravels will be processed with tailings ramped up on previously mined areas and a primary and secondary settling ponds will also be located on previously disturbed areas well away from Boulder Creek on the bench area to prevent any discharge during high water events. After mining Cut #1 and the two settling ponds will be filled with coarse tailings and capped with fines and topsoil and vegetation spread over the contoured surface to complete reclamation prior to repeated the process for Cut #2 & 3.

**DESCRIBE PLANNED RECLAMATION MEASURES INCLUDING TIMELINE FOR RECLAMATION TO TAKE PLACE:** Reclamation of mining cuts and settling ponds after processing of pay gravels will include slowly draining the ponds and then filling the open cut and ponds with coarse tailings to trap sediments, then topping the coarse gravels with fine tailings which will be contoured as close as possible to the original surface topography. Lastly topsoil, moss and any stripped vegetation will be spread over the surface to trap moisture and promote revegetation. Mine cuts, ponds and other disturbed areas will be reclaimed when processing each area ends. Final reclamation will include the above described process for each mined area as well as removal of all structures, equipment, supplies, scrap, and debris as required by regulations.

**DISCUSS WATER MANAGEMENT PLANS, INCLUDING USE, SOURCE, QUANTITY AND SURFACE WATER/ EROSION MANAGEMENT PLAN:** Startup and makeup water will be drawn from Boulder Creek as needed with a 3 inch pump at 400 gpm utilizing an ADF+G approved screened intake. Dikes and berms will be constructed if necessary to isolate cuts and ponds from any flowing water to prevent mine discharge water from entering Boulder Creek. A 25 foot riparian buffer will be maintained between Boulder Creek and the mine area.

**DISCUSS FUEL STORAGE, HANDLING, AND SPILL PREVENTION AND RESPONSE PLANS:** Fuel will be located more than 100 feet from any flowing waters or ponds and will be stored in a 300 gallon steel tank within a proper bermed area or in 55 gallon steel drums while in transport by a pickup truck. Signs and proper labels will identify contents. Other oil, grease, and any other will be properly contained. Spill kits will be available in the event of leaks.

**DISCUSS HOW THE OPERATION WILL AVOID/MITIGATE POTENTIAL IMPACTS TO FISH, WILDLIFE AND CULTURAL RESOURCES:** Stream crossings will be in shallow riffled locations. Riparian buffer areas will be maintained wherever possible along flowing creeks. Garbage and food will be properly stored to prevent wildlife interactions. Any cultural resources or artifacts encountered will be left in place with the area isolated from any further mine activities and state authorities notified as required.

## Mine Plan and Timeline - Boulder Bench (ADL 727731 + 801262)

2026 - Establish campsite.

Clear and excavate Cut#1 and settling ponds.

Excavate test holes and reclaim all holes.

Run pay gravels for approximately three weeks

2027 Complete mining of Cut#1 and reclaim cut and ponds.

2028 Excavate Cut#2 and ponds and run pay gravels for approximately six weeks.

2029 - Complete mining of Cut#2 and reclaim cut and ponds.  
Begin clearing of Cut#3 and ponds and begin mining if time allows.

2030 Complete mining of Cut#3.  
Reclaim cut and ponds.

Document final reclamation of all disturbed areas and campsite as required by State and Federal regulations.

Submit documentation to DNR for final closeout.

MCS

02/09/26

2025 ANNUAL RECLAMATION STATEMENT

(33)

- Placer Mining
- Suction Dredging
- Hardrock Exploration

APMA # \_\_\_\_\_

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, Mark Farrar 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: 0 Cubic yards of material processed daily: 0 Annually: 0

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

Length \_\_\_\_\_ feet and Width \_\_\_\_\_ feet of stream diversion.

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

Total Area reclaimed in 2025: 0 acres.

Total un-reclaimed acres: 0 (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:

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

Relationship to Claim(s)

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

Signed Mark Farrar Date \_\_\_\_\_

**2026 RECLAMATION PLAN FORM (PLACER EXPLORATION OR MINING)**

<input type="checkbox"/> <b>A. RECLAMATION PLAN</b> (REQUIRED if the operation will disturb five or more acres this year, OR 50,000 cubic yards, OR if the operation has a cumulative disturbed area of five or more acres).	<input type="checkbox"/> <b>B. RECLAMATION PLAN VOLUNTARY</b> (for an operation below limits shown in Box A but wanting to qualify for the statewide bonding pool. (Operations on BLM Lands and others not filing Letter of Intent).	<input checked="" type="checkbox"/> <b>C. LETTER OF INTENT</b> <span style="float: right;">(34)</span> (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: 0 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 1,200 acres. Total acreage (currently disturbed plus new acres): 1,200 acres.

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

Total acreage to be reclaimed in 2026: \_\_\_\_\_ acres; Total volume of material to be disturbed in 2026: 8,280 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 <http://www.blm.gov/pressroom/pressroom.cfm> 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>Mark Farrar</u> Printed name (Applicant)</p> <p><u>Mark Farrar</u> Signature (Applicant)</p>	Relationship to Mineral Property: <input checked="" type="checkbox"/> Owner <input type="checkbox"/> Lessee <input checked="" type="checkbox"/> Operator <input type="checkbox"/> Agent For: _____	Date: <u>02-04-26</u> APMA #: _____
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