

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

☐ Single Year ☒ Multi-year Start: 2026 Finish: 2035 APMA Number (A/F/J, Year, ****) A3225

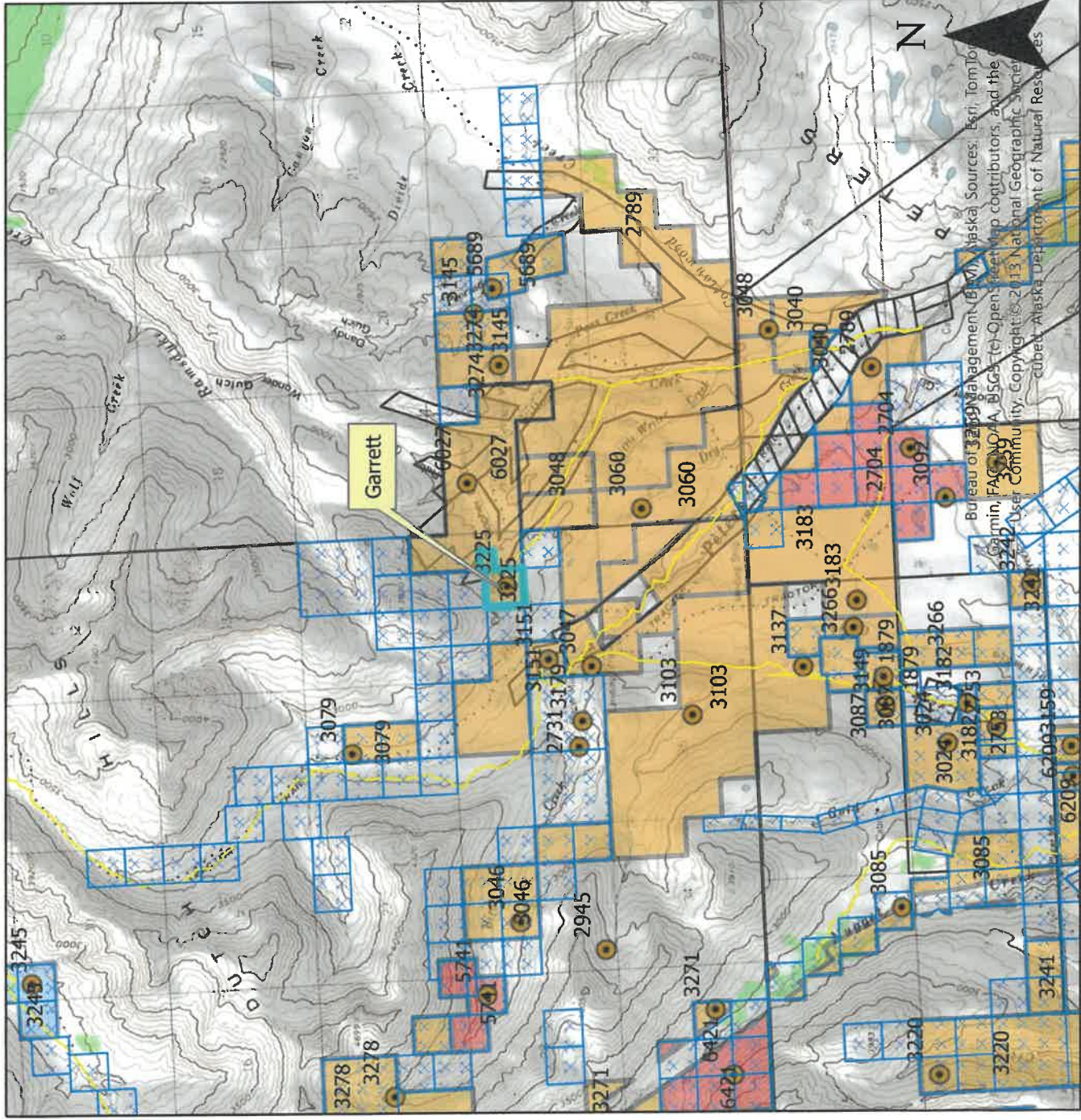
What type activity are you planning to perform? *REQUIRED (1) ☐ Suction Dredging/Reclamation ☒ Placer Mining/ Reclamation ☐ Hardrock Exploration/ Reclamation ☐ Reclamation Only ☐ Access		Surface estate of mineral properties: *REQUIRED (2) ☒ State (General) ☐ Federal ☐ State (Mental Health) ☐ Private ☐ City or Borough	
Check All That Apply: ☒ Mineral Property Owner ☐ Lessee ☒ Operator *Required (3) Name: <u>Dennis R. Garrett</u> Primary Phone Number: <u>9073552520</u> Address: <u>P.O. Box 520481</u> Secondary Phone Number: <u>N/A</u> <u>Big Lake Alaska 99652</u> Email: <u>akau79@protonmail.com</u> Click here for the Department of Commerce Link Alaska Business/Corporation Entity# <u>N/A</u> Registered Agent (Corp./LLC/LP) <u>N/A</u>			
Check All That Apply: ☐ Mineral Property Owner ☐ Lessee ☒ Operator *Required (4) Name: <u>Frontier BGM, LLC.</u> Primary Phone Number: <u>9073519011</u> Address: <u>P.O. Box 520481</u> Secondary Phone Number: <u>N/A</u> <u>Big Lake Alaska 99652</u> Email: <u>frontierbgm@gmail.com</u> Alaska Business/Corporation Entity# <u>10353893</u> Registered Agent (Corp./LLC/LP) <u>Dennis Garrett</u>			
Check All That Apply: ☐ Mineral Property Owner ☐ Lessee ☒ Operator *Required (5) Name: <u>Blue Ribbon Mine LLC.</u> Primary Phone Number: <u>9073552520</u> Address: <u>P.O. Box 520481</u> Secondary Phone Number: <u>N/A</u> <u>Big Lake Alaska 99652</u> Email: <u>blueribbonmine@proton.me</u> Alaska Business/Corporation Entity# <u>10130813</u> Registered Agent (Corp./LLC/LP) <u>Dennis R. Garrett</u>			
Check All That Apply: ☐ Mineral Property Owner ☐ Lessee ☐ Operator *Required (6) Name: <u>N/A</u> Primary Phone Number: <u>N/A</u> Address: <u>N/A</u> Secondary Phone Number: <u>N/A</u> <u>N/A</u> Email: <u>N/A</u> Attach a separate sheet for additional contacts Alaska Business/Corporation Entity# <u>N/A</u> Registered Agent (Corp./LLC/LP) <u>N/A</u>			
Project Name If Applicable: (7) <u>The Blue Ribbon Mine</u>		Average Number of Workers: *REQUIRED (8) <u>7</u>	
Mining District: *REQUIRED (10) <u>Yentna</u>		Applicable USGS Map(s): *REQUIRED (11) <u>Talkeetna C-2</u>	
Start-Up/Shut Down: (Month/Day) (9) <u>1 May</u> to <u>30 Nov</u>		On What Stream Is This Activity? (12) <u>Gopher Gulch</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>SM, T29N R9W S25</u>		Internal Use Only:	
Internal Use Only: Date Application Received Complete: _____ Adjudicator: _____ LAS Entry: _____ Sec 3 CID: _____ Sec 4 CID: _____ Sec 5 CID: _____ Sec 6 CID: _____			

APMA 3225 Access Route



This map was created on 5/7/2026 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

Legend

- APMA_Type
 - BLM AK Federal Mining Claims (Active)
 - BLM AK Federal Mining Claims (Active)
- APMA_Project
 - Suction Dredging
 - State Mining Claim Active
 - Mechanical Placer Mining
 - Hardrock Exploration
 - RS2477 Historic Transportation Routes
- Access Route

0 0.75 1.5 Miles
Center: 150°52'W 62°34'20"N

MV_MCL_ST_MINING_LSE				
Source: Alaska Department of Natural Resources, Information Resource Management				
Case ID	Case Status Description	Case Type Description	Customer Name	Total Acres
ADL 231929	Issued (35)	Mining Lease Non-Comp (714)	Garrett Dennis R	47
END OF REPORT				
Report Information				
Source ID	99			
Source Name	MV_MCL_ST_MINING_LSE			
Source Description				
Run Date and Time	05/07/2026 02:31:24 AKDT			
Record Count	1			
SQL Statement				
CASE_ID,CASE_STATUS,CASE_STATUS_DESCRPTI				

MINERAL PROPERTIES LIST**(14)**

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

If requesting more than 12 claims, are additional sheets with ADL/BLM/USMS and legal descriptions attached? ☐ Yes ☒ No

Are any of these mineral properties an Upland or Offshore Mining Lease? Yes ☒ No ☐

	ADL/BLM/USMS #	PROPERTY NAME		ADL/BLM/USMS #	PROPERTY NAME
1.	ADL 231929	Blue Ribbon Mine	7.	N/A	N/A
2.	N/A	N/A	8.	N/A	N/A
3.	N/A	N/A	9.	N/A	N/A
4.	N/A	N/A	10.	N/A	N/A
5.	N/A	N/A	11.	N/A	N/A
6.	N/A	N/A	12.	N/A	N/A

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.	1 D4-D6 size Cat, gen mine work.	1-2		☒
2.	1 CYD Excavator, excavation, feeding plant, etc.	1-2		☒
3.	3-4 CYD Loader, gen mining work	1		☒
4.	4'x30' Trommel	1	☒	
5.	6" Pump	1		☒
6.	6'x40' Trommel	1		☒
7.	Drill rig, TBD, for diamond core and auger drilling	1		☒
8.	Trucks, ATV-Gen Mine Work	3-5		

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: Parks Highway-Petersville Road

☒ 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: RST512

☐ 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 ☒

ACCESS 72 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:

No Improvements or Construction Proposed-see narrative

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:

BGM Enterprises, LLC

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

Atv/utv, or pickups, variable weights. During the periods listed in this application.

State the average total miles traveled in one round trip: 30 State the number of trips proposed: 10

State the start and end date(s) or period(s) of proposed travel: 1 June-30 Nov

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: N/A gallons/day Water Source: N/A

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

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

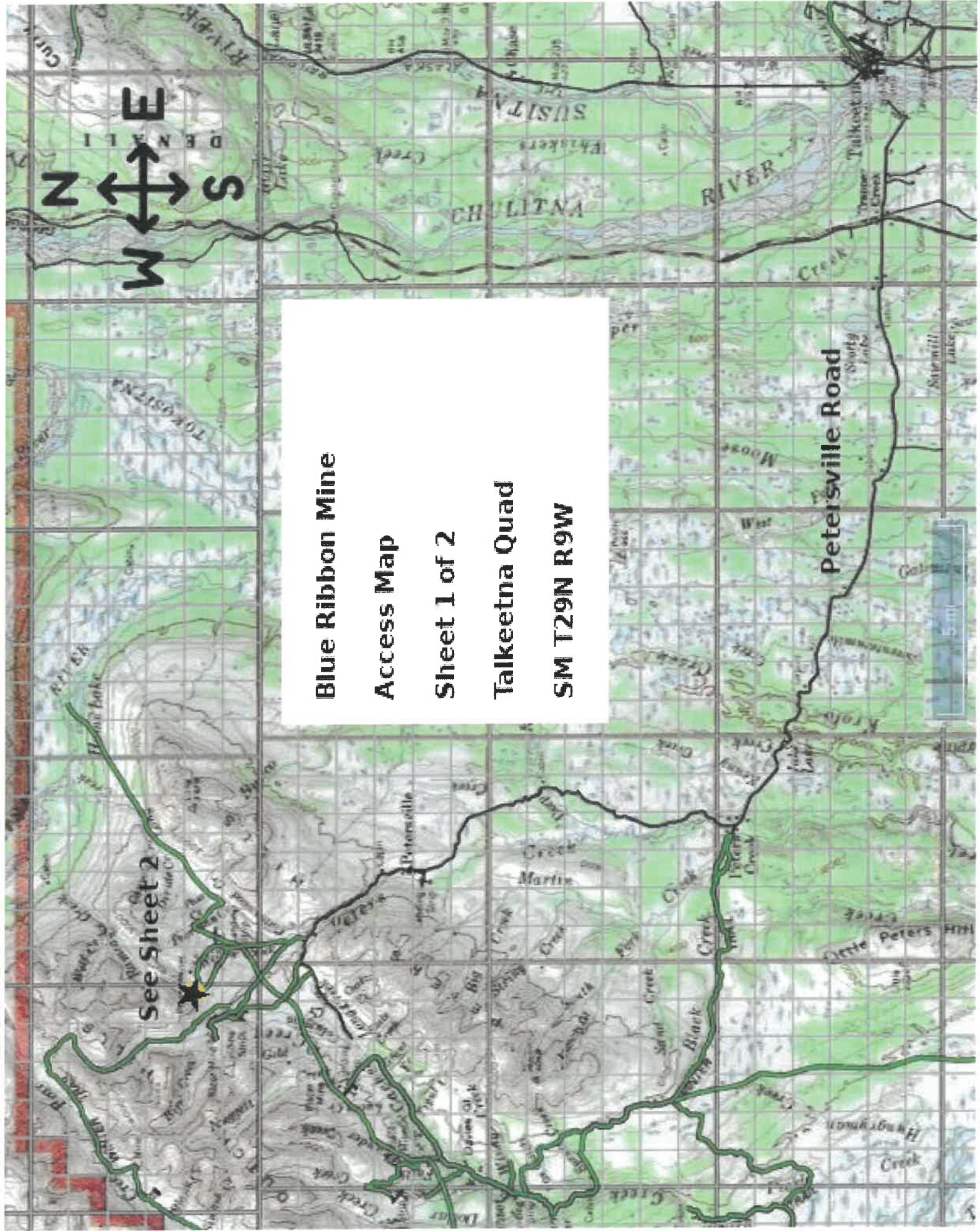
Engine oils, Hydraulic fluid, 6@5 gal buckets. Grease in tubes ~30. Brake fluid ~2 gal in containers. Propane 20 lb bottles, 6.

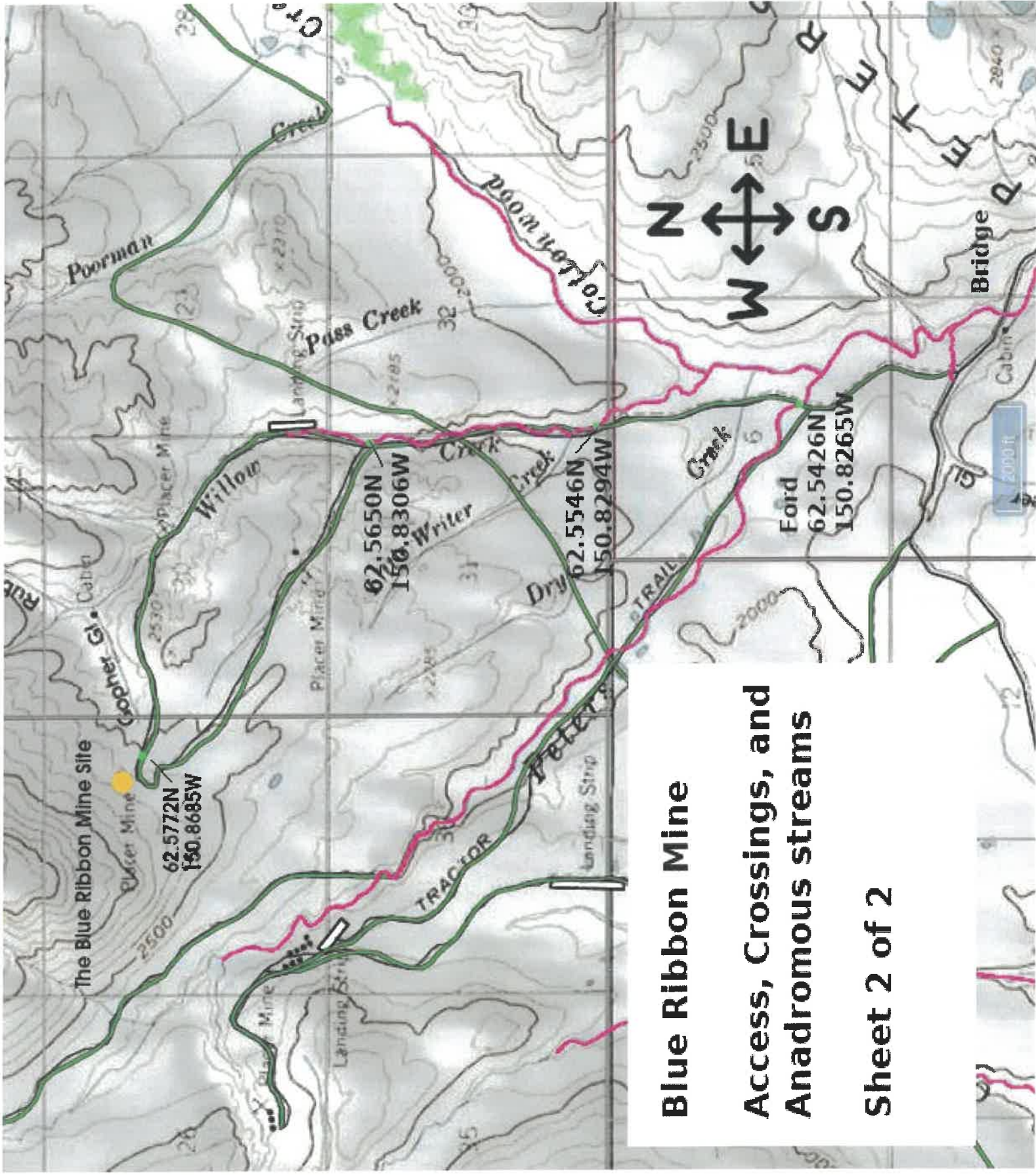
How are petroleum products contained? (i.e., drums, bladders, steel tanks, etc.) Indicate size of containers:

55 gal drums and 300 gal tank

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

Truck and/or trailer





Blue Ribbon Mine

Access, Crossings, and
Anadromous streams

Sheet 2 of 2

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.

N/A

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:

N/A, see related Narratives attached and <https://dec.alaska.gov/spar> for SOP.

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: >300 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: _____

N/A

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

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

TEMPORARY STRUCTURES/FACILITIES

(18)

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

If "No", Please explain: N/A

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: N/A

Proposed perimeter dimensions of camp: 100 Length (feet) 75 Width (feet).

☒ Request use of **existing** facilities, list ADL(s): 231929

☐ Year-Round ☒ Seasonal, from Approx. 15 April to 30 Nov, annually.

☒ Request to place **new** temporary structures, list ADL(s): 231929

☐ Year-Round ☒ Seasonal, from Approx. 15 April to 30 Nov, 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	0	0	N/A	-	-	-
Tent	3	0	Camp, etc	10X10	5x5	7x7
Trailer	2	0	Shop, etc	8x20	8x40	-
Platforms	0	0	N/A	-	-	-
Out-Buildings	1	0	Pit privy	4x4	-	-
Other: Connex	2	1	Samples/lab, equipment, etc.	8x20	8x20	8x40

* 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):

See Narrative, and DEC Camp section of this application.

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.**
See Narrative, and DEC Camp section of this application.

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: >300'

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.
See Narrative, and DEC Camp section of this application.

MINING METHOD

(19)

- ☒ Mechanical Placer Mining (e.g., terrestrial open-cut operations with dozer or excavator, etc.)
 Estimated cubic yards processed annually: 45000
- ☐ 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)	N/A		N/A		N/A	
Vessel Dimensions						
Suction Dredge Intake Nozzle Diameter / Pump Size	Inches:	HP:	Inches:	HP:	Inches:	HP:
Mechanical Dredge Bucket Volume	Cubic Yards:		Cubic Yards:		Cubic Yards:	
Processing Rate	Yds. ³ /Hr.:		Yds. ³ /Hr.:		Yds. ³ /Hr.:	
Wastewater Discharge Rate	GPM:		GPM:		GPM:	
Maximum Water Depth	Feet:		Feet:		Feet:	
Average Daily Operating Hours						
Operation on Sea Ice (Yes/No)	Yes ☐ / No ☐		Yes ☐ / No ☐		Yes ☐ / No ☐	
Vessel Registration # / State	#:	State:	#:	State:	#:	State:

Location: ☐ Offshore / Salt Water ☐ 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 How long will the test pit be open if not converted into an active mine cut? Until completion of testing

Estimated number of pits to be excavated: 7

Average Size: Length: 15 Ft. Width: 3 Ft. Depth: 15 Ft.

Placer Drilling: ☒ Yes ☐ No Type of drill(s) used: Auger

Total number of holes to be drilled: 7

Drilling and Test Pit Identification and Mineral Property Information

Trench/Hole ID on Map	ADL/BLM/USMS NUMBER
DHT#1	ADL231929
DHT#2	ADL231929
DHT#4	ADL231929
DHT#5	ADL231929
DHT#8	ADL231929
DHT#9	ADL231929
DHT#14	ADL231929

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

EXPLOSIVES**(21)**

Will explosives be used? ☐ Yes ☒ No If "Yes", Indicate: Type: N/A Amount: N/A

Explosive Handler's Certification/ATF Permit Numbers: N/A

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 N/A ft Height N/A ft Width at crest N/A ft Width at base N/A ft of the berm(s)

What is the purpose of the water use? ☒ Makeup water pond ☒ Settling/recycle pond ☐ Stream diversion Other N/A

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? N/A

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 ~1500 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:

Pickups/ATV/UTV-crossing only.

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 $\frac{1}{4}$ $\frac{1}{4}$ Ex: F001S001N01 SWSW	Check boxes to indicate type(s) of activity		
		Latitude ddd.mmm	Longitude -ddd.mmm		Crossing	Dredging	Water Intake
1.	Peters Creek Ford	62.5426N	150.8265W	S028N008W06 SESE	☒	☐	☐
2.	Willow Creek	62.5546N	150.8294W	S029N008W32 SWSW	☒	☐	☐
3.	Little Willow Creek	62.5650N	150.8306W	S029N008W31 NENE	☒	☐	☐
4.	Unnamed Trib. Gopher	62.5772N	150.8685W	S029N009W25 NENE	☒	☐	☐
5.					☐	☐	☐

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

WATER USE AUTHORIZATIONS

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

- Is there a current Water Right within the proposed mineral property boundary? Yes ☐ No ☒
- If yes, provide the LAS or ADL Water Right Case File number: N/A
- What are the months of water use needed (for example May 1st through October 31st)? 1 May-30 Nov

Name & Location of Water Source(s):

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

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

MTRS: F3N3W 20

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

A. Name & Location of Water Source(s). No more than 5 water sources per TWUA. Attach list of additional sources if needed. A \$450 fee is associated with each TWUA. The APMA paperwork is all that is needed to apply for TWUAs. For example, if there are 20 sources listed in the APMA, 4 TWUA case files will be generated.

When submitting an APMA, a separate Application for Temporary use of Water form is not needed.

Provide the geographic name or locally know name of water Source. (Recycle/settling ponds, creek, stream, well, etc.) If requesting a stream reach, clearly identify the entire stream reach on a legible map.	Meridian	Township	Range	Section(s)	Start-Up Water and/or Make-Up Water? Check each applicable box.			
Example: Unnamed Creek	F	3N	3W	20	Start-Up	X	Make-Up	X
1. Recycle/settling ponds-	S	29N	9W	25	Start-Up	☒	Make-Up	☐
Latitude:					Longitude:			
2.	N/A	N/A	N/A	N/A	Start-Up	☐	Make-Up	☐
Latitude: N/A					Longitude: N/A			
3.	N/A	N/A	N/A	N/A	Start-Up	☐	Make-Up	☐
Latitude: N/A					Longitude: N/A			
4.	N/A	N/A	N/A	N/A	Start-Up	☐	Make-Up	☐
Latitude: N/A					Longitude: N/A			
5.	N/A	N/A	N/A	N/A	Start-Up	☐	Make-Up	☐
Latitude: N/A					Longitude: N/A			

WATER USE AUTHORIZATIONS CONT.

(24)

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

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

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.	1100	1	12	30	N/A
	Pond # 1: L: 20 ft W: 30 ft D: 6 ft			Pond # 2: L: 100 ft W: 60 ft D: 15 ft	
	Pond # 3: L: 100 ft W: 60 ft D: 15 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.		N/A	N/A	N/A	N/A	See Notes
Additional Notes: Camp water hauled in for safety.						

WATER USE AUTHORIZATIONS CONTINUED

(24)

E. Exploration Activities A map of your requested drilling water sources is required with the following information: -MTRS sections, -stream reaches or other water sources (please label, including take points if known) -and drill hole locations.	Is Water Needed for Exploration Trenching or Drilling?	Withdrawal Rate (gpm/pump)	Number of Pumps	Hours per Day	Days per Month	Source(s) of Water Well, Haul, Stream, Spring Lake, etc. Source(s) will count towards the 5 sources identified in Section A.
	N/A.	N/A.	N/A.	N/A.	N/A.	N/A.

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.
 N/A

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.
 N/A

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: Gopher Gulch

Approximate coordinates of mine site:

Latitude: 62.5776N Longitude: 150.8674W

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: 62.5775N Longitude: 150.8658W

Maximum Effluent Flow anticipated from your operation 50 (GPM) [must be greater than zero (0)].

Distance to nearest downstream drinking water source >15M and downstream placer mine >10M.

Do you wish to terminate an active authorized mixing zone? ☐ Yes (APDES# _____) ☒ No

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

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

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

Signature of Responsible Party: 

Responsible Party Name (First Last, Position) - Printed: Jacqueline F. Shepherd

Business Name (if applicable) - Printed: Frontier BGM, LLC.

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: 62.5776N Longitude: - 150.8674W

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

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

Certification Statement

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

Operator or Agent:

Jacqueline F. Shepherd

Print Name


Signature

03/09/2026

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: N/A

☐ Existing (Date Constructed N/A) ☐ To Be Constructed (Date N/A)

Diversion Start/upstream Location (Lat/Long) N/A

Diversion End/Downstream Location (Lat/Long) N/A

Is Stream Diversion? ☐ Permanent ☐ Temporary N/A year(s) N/A 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 N/A (ft) Top Width N/A (ft) Bottom Width N/A (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:

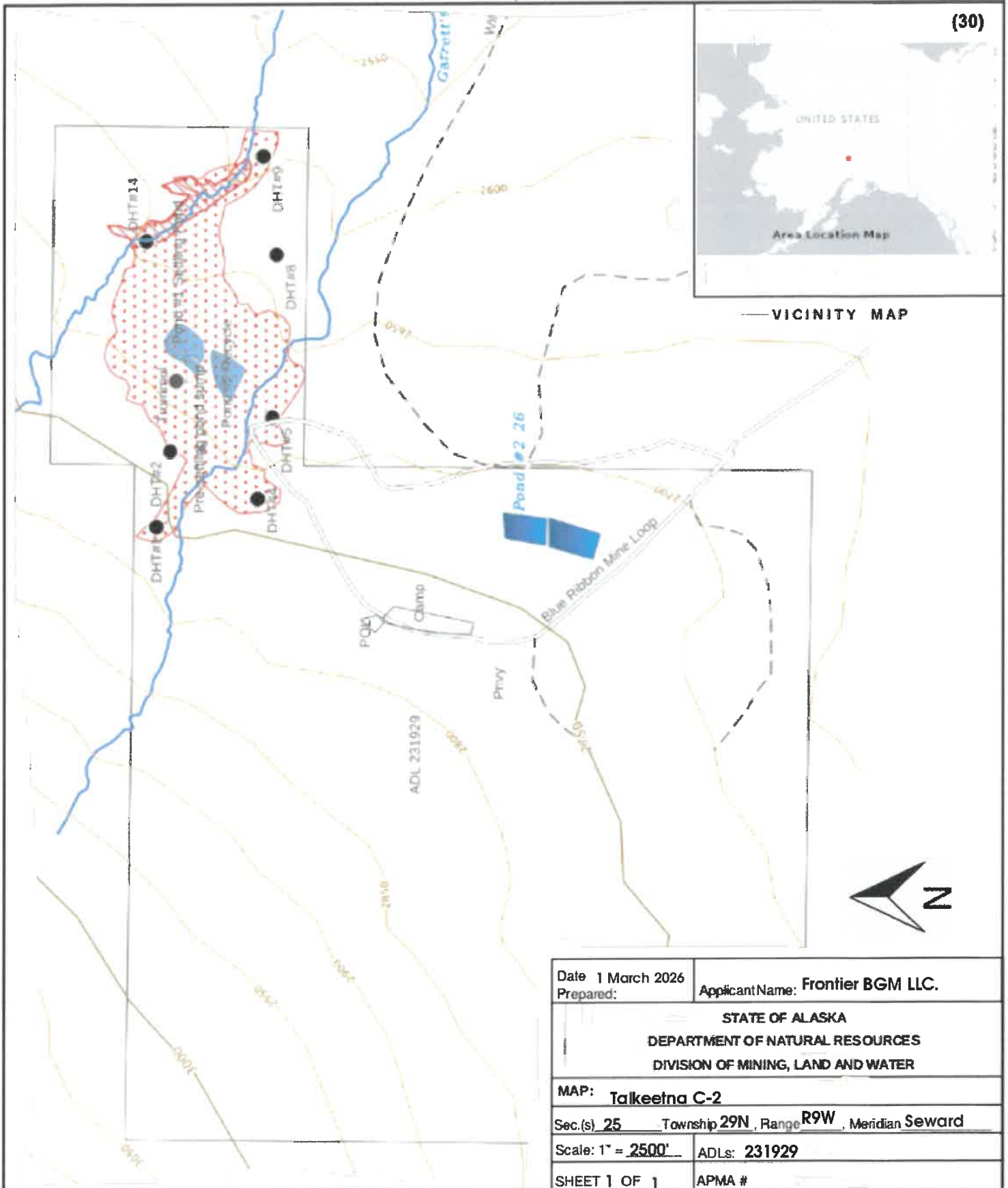
- 1.) Step by Step Procedures
- 2.) Construction Techniques
- 3.) Reclamation Techniques
- 4.) Timelines

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

(30)



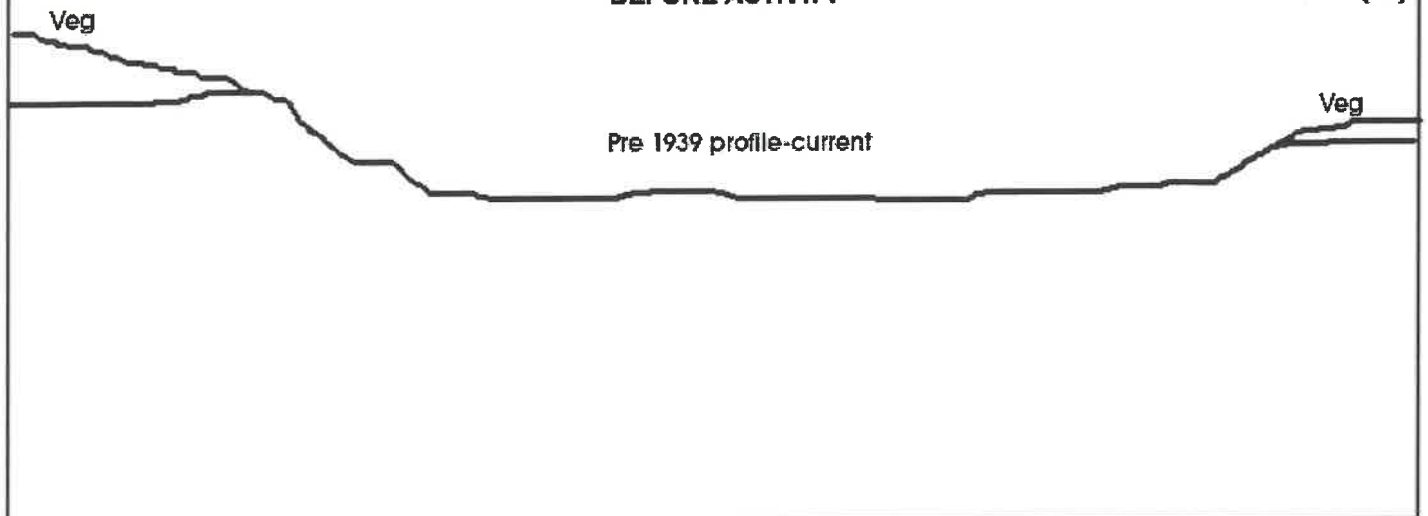
Date 1 March 2026 Prepared:	Applicant Name: Frontier BGM LLC.
STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES DIVISION OF MINING, LAND AND WATER	
MAP: Talkeetna C-2	
Sec.(s) 25 Township 29N Range R9W Meridian Seward	
Scale: 1" = 2500'	ADLs: 231929
SHEET 1 OF 1	APMA #

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

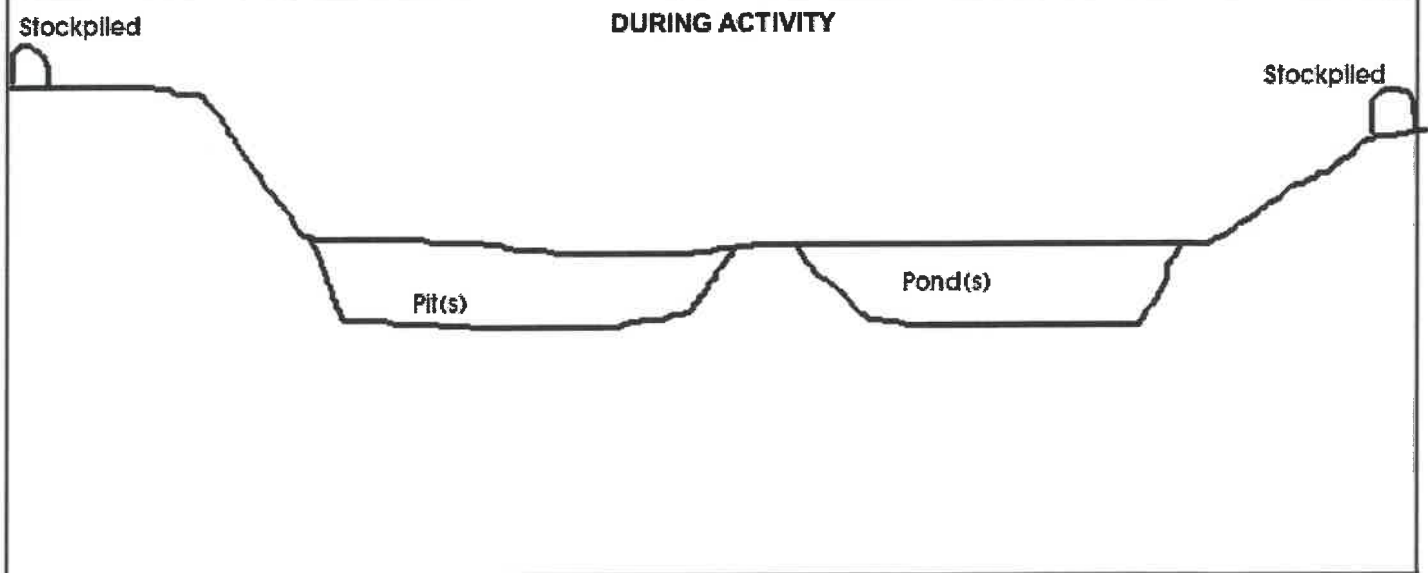
CROSS SECTION SKETCH ***REQUIRED**

BEFORE ACTIVITY

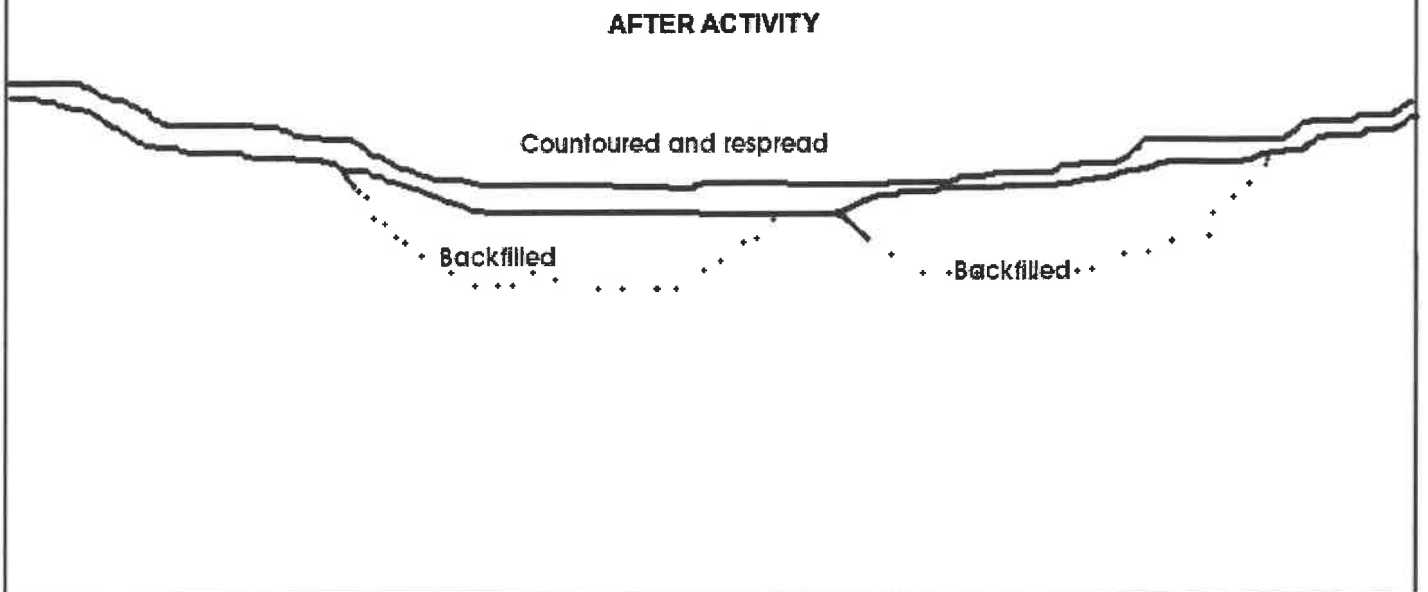
(30)



DURING ACTIVITY



AFTER ACTIVITY



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

DESCRIBE ACCESS, PERSONNEL HOUSING AND CAMP LAYOUT:

Access to the property is via long-established roads and trails, the Parks Highway to Petersville Road.

Personnel housing, siting of the buildings, and related details are more fully described in the Remote Camps section of this Application.

We plan to clear the slide and restore access.

DESCRIBE PROGRESSIVE STEPS OF MINING METHOD:

The Placer Mining Method is mechanical cut and fill, screening/trommel and sluice gravity recovery.

Any non-or-sub-economic materials, "overburden", will be stripped, segregated by type, and in such a manner as to preserve those materials for the planned and concurrent reclamation.

Sampling of placers will be concurrently conducted, placer samples will be collected from trenches, hand dug holes, or auger samples and collected in 5 gallon buckets and sluiced and panned to obtain a concentrate sample for further lab analysis.

Reclamation is conducted concurrent with mining, see next section, and Reclamation Plans and Statements.

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

Reclamation is conducted concurrent with mining, see Reclamation Plans and Statements.

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. Exploration trenches, shallow auger holes, and hand-dig pits will be backfilled. 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. All exploration trenches will be reclaimed by the end of the exploration season in which they are constructed.

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

Process water is ~100% recycle, in a closed circuit pond system.

Surface water/erosion, and potential discharges, are covered in the various relevant sections of this APMA.

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

Fuel and tubes will be temporarily stored in appropriate containers at the site in a designated point.

All spills will be avoided through careful planning and management and any spill will be remediated and reported, and a self-certified Spill Prevention, Control, and Countermeasure (SPCC) Plan.

DISCUSS HOW THE OPERATION WILL AVOID/MITIGATE POTENTIAL IMPACTS TO FISH, WILDLIFE AND CULTURAL RESOURCES: Harassing, feeding or otherwise disturbing any wildlife will not be tolerated.

See completed Attachment-IPaC resource 2026 APMA/MLUP

If moose or other wildlife travel into the active work site, all work should stop and site safety personnel should be notified. Safety personnel should monitor the situation and decide on the best course of action.

Any cultural resources will be attended according to <https://dnr.alaska.gov/parks/oha/pdf/cultresminguide.pdf>

2025 ANNUAL RECLAMATION STATEMENT

(33)

- ☒ Placer Mining
☐ Suction Dredging
☐ Hardrock Exploration

APMA # A3225

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, Dennis R. Garrett 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 0, Private 0. (Includes stripped areas, mining cuts, overburden and tailing stockpiles and disposal areas, temporary stream diversions, stream bypasses, and settling ponds.) Federal operators should include area of camp and access roads.

Length 0 feet and Width 0 feet of stream diversion.

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

Total Area reclaimed in 2025: 0 acres.

Total un-reclaimed acres: 7 (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

Signed Dennis R. Garrett Date 19 Dec 2025

☐ Agent For: _____

2026 RECLAMATION PLAN FORM (PLACER EXPLORATION OR MINING)

☒ 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).	☐ 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).	☐ 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: ~7 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 3 acres. Total acreage (currently disturbed plus new acres): 10 acres.

Acreage disturbed by land status: 10 State (general) 0 State (Mental Health) 0 Private 0 Federal

Total acreage to be reclaimed in 2026: 1-3 acres; Total volume of material to be disturbed in 2026: 45,000 cubic yards.

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

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

THE FOLLOWING RECLAMATION MEASURES SHALL BE USED:

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

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

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

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

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

Printed name (Applicant) <u>Jacqueline F. Shepherd</u> Signature (Applicant) 	Relationship to Mineral Property: ☐ Owner ☐ Lessee ☒ Operator ☐ Agent For: _____	Date: <u>3/9/26</u> APMA #: <u>3225</u>
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**STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES
STATE WIDE BOND POOL FORM**

APMA # 3225

Frontier BGM, LLC.

Name

P. O. Box 520481

Mailing Address

Big Lake Alaska 99652

City State Zip Code

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

\$ 1500.00 DOLLARS

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

ADL 231929 Upland Mining Lease

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

T29N R9W S25 Seward Meridian.

This bond amount was calculated as follows:

For Federal Claims: The total area of the mining operation, including camp site, access roads, unreclaimed areas,

and areas to be stripped for mining next season is 0 acres. Acreage should be rounded to the next whole acre. This acreage must include all areas disturbed by mining operations after January 1, 1981, that have not been approved as reclaimed by BLM. If a mining operation disturbs a previously mined area, that area must also be included in the acreage to be bonded.

For State and Patented Claims: The active mining disturbance, not including camp and access roads is 10 acres (acreage should be rounded to the next whole acre). This includes all areas that are part of the mining operation; including stripped areas, mining cuts, overburden and tailing stockpiles and disposal areas, temporary or permanent stream diversions, and settling ponds. This acreage must include all areas disturbed by a mining operation after October 15, 1991 that have not been approved as reclaimed by ADNR. If a mining operation disturbs a previously mined area, that area must also be included in the acreage to be bonded.

Refundable bond deposit (new): 10 acres X \$112.50 = \$ 1,125.00

Nonrefundable bond pool annual fee (new): 10 acres X \$ 37.50 = \$ 375.00

Total \$ 1,500.00

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

Signed - Miner

Date

3/9/26

ADNR - Division of Mining, Land & Water

Date

BLM - Bureau of Land Management

Date

U.S. Army Corps of Engineers Attachment 1: Site Description
Submit this with APMAs for all applications

Operator/Company Name: Frontier BGM, LLC.														
APMA:		Corps permit # (for this APMA):												
Waterway: Gopher Gulch		Date: 5 March 2026												
Landscape Information:														
A history of fire in a watershed may influence the presence of wetlands at a site. Has this watershed been burned by fire? YES ☐ NO ☒ If yes, when? N/A														
Has your site been previously mined? YES ☒ NO ☐ • If yes, how recently? 1998 • What methods were used? Trommel • Was it reclaimed? Partial • Were there stream diversions? No • Are you only processing old tailings? No • Identify any previously disturbed areas on a copy of your plans, or aerial photo.														
Aerial Photo:														
Provide a recent aerial photo of your operation. Photos may be available from your land manager. Images must be clear, sharp, and reproducible. Draw your current operation and the projected 5-year mine footprint on the photo.														
Site photographs:														
Provide site photograph(s) that show ☒ The valley and landforms at your site ☒ Stream photos where mining will occur: Including upstream and downstream view of the stream, the banks, and the floodplain. ☒ Vegetation types at various places at your site where mining will occur. ☒ Soil layers under each vegetation community. You will need to dig a hole with a bucket or shovel and include an object for scale.														
Wetland Information:														
Vegetation: What vegetation is found at your site, in mined and unmined areas? (Check all that apply.) <table border="1" style="width:100%; border-collapse: collapse;"><tr><td>☐ Stunted spruce</td><td>☒ Willow shrubs</td><td>☐ Sedge or cottongrass</td></tr><tr><td>☐ Other spruce</td><td>☒ Alder shrubs</td><td>☒ Shrubby tundra</td></tr><tr><td>☐ Cottonwood</td><td>☐ Birch</td><td>☒ Aspen</td></tr><tr><td>☐ Other</td><td></td><td></td></tr></table>			☐ Stunted spruce	☒ Willow shrubs	☐ Sedge or cottongrass	☐ Other spruce	☒ Alder shrubs	☒ Shrubby tundra	☐ Cottonwood	☐ Birch	☒ Aspen	☐ Other		
☐ Stunted spruce	☒ Willow shrubs	☐ Sedge or cottongrass												
☐ Other spruce	☒ Alder shrubs	☒ Shrubby tundra												
☐ Cottonwood	☐ Birch	☒ Aspen												
☐ Other														

Soils: What is the depth of non-pay overburden? <15 feet

☒ Organic material (muck or peat) <u><2</u> feet	☐ None
☒ Gravel <u><2</u> feet	☒ Depth to bedrock <u>0-4</u> feet

Hydrology:

Do you have permafrost (i.e.: ice, frozen ground) at your site?

YES ☐ NO ☒ How deep is unfrozen material over permafrost? N/A

Do you have? (Check all that apply)

- ☐ Old settling ponds that have naturalized
- ☐ Saturated soil (Wet)
- ☐ Water table within 12 inches of soil surface (Wetter)
- ☐ Standing water (Wettest)

Notes:

U.S. Army Corps of Engineers Attachment 2: Minimization Plan
Submit this with APMAs for all applications

Operator/Company Name: Frontier BGM, LLC.		
APMA:	Corps permit # (for this APMA):	
Waterway: Gopher Gulch	Date: 5 March 2026	
Part 1: Avoidance Measures. <i>These measures avoid impacts to wetlands and streams.</i>		
Are you conducting test drilling or other exploration ahead of mining to mine only economic ground?		YES ☒ NO ☐
Can you conduct some activities, such as mobilization or exploration, in winter?		YES ☒ NO ☐
Can your project be accomplished without building a road?		YES ☒ NO ☐
Is your project or a portion of your project located in uplands or in a previously mined area? For example, are you using an existing camp, access road, or stockpiles?		YES ☒ NO ☐
Are you working on a bench or other area located at a distance from a stream?		YES ☒ NO ☐
If your project requires stream crossings, can it be accomplished with fewer crossings?		YES ☒ NO ☐
Can your project be accomplished without building a stream diversion?		YES ☒ NO ☐
Based on the boxes that you checked, describe how you will avoid impacts to wetlands or streams: See narrative.		
Part 2: Minimization Measures. <i>Minimization for stream relocations/diversions is addressed in Stream Channel form.</i>		
<i>Most minimization measures are minor project modifications that satisfy the project purpose and need while maintaining or improving environmental quality. Examples are: reducing the size of the project, changing construction methods, materials, or timing; and operation and maintenance practices.</i>		
Customary sequence: Does your mine plan follow a customary sequence of activities, or phases, involving exploration, development, mining, and reclamation?		YES ☒ NO ☐
Erosion control: Condition 1(a) of the GP requires that operations shall be managed to avoid erosion of fill material beyond the limits of your mine site into waters of the U.S. Have you considered how site-specific conditions such as gradient (slope steepness),		

soil type (more erodible/less erodible), risk of landslide or slope failure once vegetation is removed, presence of permafrost and other factors influence the risk for erosion off of your mine site?	YES ☒ NO ☐
Have you considered use of erosion control methods to be used during all phases of mine operation and during periods of shut down?	YES ☒ NO ☐
Describe what you will do to manage erosion at your site: See Narrative.	
Water management: Condition 1(c) of the GP requires that you use measures consistent with standard construction practices to slow, collect, and retain water at the site. These measures prevent sedimentation beyond the limits of mine site.	YES ☒ NO ☐
Describe or sketch what you will do for water management at your site: See Narrative.	
Riparian Area Management: Have you contacted the Alaska Department of Fish & Game to confirm what type of stream is at your site? Person contacted: _____ Date: _____ Have you considered: the types of vegetation present, potential for salvage, transplant, or regrowth? Regional growing seasons and recovery rates?	YES ☐ NO ☒ YES ☒ NO ☐
Describe or sketch what you will do to manage the riparian area at your site: See Narrative.	

Part 3: Minimization Measures - Reclamation Plan for Aquatic Resources

Condition 3 of the GP describes several options for reclamation of aquatic resources, including revegetation of non-wetland riparian areas, construction of swales, wetlands, or shallow open water areas, work on historically mined areas, or any other project that you propose. Reclamation proposals must be approved by the Corps.

- Please attach your Reclamation Plan to this Mitigation Statement. Your proposal should include a **Plan View** and **Cross Section**, with dimensions and location, and a **brief description** of your restoration project. Your plan will become a part of your permit. If you fail to provide this information, special conditions to restore aquatic resources may be added to your GP.

Please describe what you will do for your Reclamation Plan:

See Reclamation Plan and Narrative.

Part 4: Compensatory Mitigation is not required under the GP. However, this section informs you of all options available. You must check one option or make your own statement on compensatory mitigation.



Option A - Compensatory Mitigation is not being proposed for this project because the avoidance and minimization measures described in this Mitigation Statement are appropriate and practicable to the scope and degree of the environmental impacts of the project.



Option B – Permittee Responsible Mitigation will be conducted.



Option C – Compensatory Mitigation will be addressed with either submittal of an In-Lieu Fee or purchase of credits from an approved Mitigation Bank.

We are now accepting payments online for case agreements and mining claims bills! To make a payment by credit card or from your bank account, [click here](#).

[Online Public Notices](#)

Case Actions are now displayed in groups of 25 with the most recent items first. Use the navigation controls below to view additional pages.

Results - Case File Abstract

Summary

File: ADL 231929

Customer: 000187037

GARRETT, DENNIS R

P O BOX 520481

BIG LAKE AK 99652

Doing Business As: EMPIRE EXPLORATION

Case Type: 714 MINING LEASE NON-COMP

DNR Unit: 700 MINING

File Location: DOMN DIV OF MINING

Case Status: 35 ISSUED

Status Date: 05/08/2014

Total Acres: 47.500

Date Initiated: 05/08/2014

Office of Primary Responsibility: DOMN DIV OF MINING

Last Transaction Date: 11/04/2025

Last Transaction: DR DOCUMENT RECORDED

Land Records

Meridian: S **Township:** 029N **Range:** 009W **Section:** 25 **Section Acres:** 47

Case Actions

11-04-2025 DOCUMENT RECORDED

TYPE OF DOCUMENT	MI	MINING
DOCUMENT NUMBER	2025-001331-0	
RECORDING DISTRICT	R321	TALKEETNA
DOCUMENT DESC: STATEMENT OF ANNUAL LABOR FOR MINING GENERATED BY RECORDING THE DOCUMENT IN THE OFFICIAL PUBLIC RECORD		

09-01-2025 ANNUAL LABOR FILED

RECORDING DIST	TAL	TALKEETNA
AFFIDAVIT #	2025-001331-0	

10-31-2024 DOCUMENT RECORDED

TYPE OF DOCUMENT	MI	MINING
DOCUMENT NUMBER	2024-001431-0	
RECORDING DISTRICT	R321	TALKEETNA
DOCUMENT DESC: STATEMENT OF ANNUAL LABOR FOR MINING		

GENERATED BY RECORDING THE DOCUMENT IN THE OFFICIAL PUBLIC RECORD

09-01-2024 ANNUAL LABOR FILED

RECORDING DIST TAL TALKEETNA
AFFIDAVIT # 2024-001431-0

09-29-2023 DOCUMENT RECORDED

TYPE OF DOCUMENT MI MINING
DOCUMENT NUMBER 2023-001181-0
RECORDING DISTRICT R321 TALKEETNA
DOCUMENT DESC: STATEMENT OF ANNUAL LABOR FOR MINING
GENERATED BY RECORDING THE DOCUMENT IN THE OFFICIAL PUBLIC RECORD

09-01-2023 ANNUAL LABOR FILED

RECORDING DIST TAL TALKEETNA
AFFIDAVIT # 2023-001181-0

11-14-2022 DOCUMENT RECORDED

TYPE OF DOCUMENT MI MINING
DOCUMENT NUMBER 2022-001526-0
RECORDING DISTRICT R321 TALKEETNA
DOCUMENT DESC: STATEMENT OF ANNUAL LABOR FOR MINING
GENERATED BY RECORDING THE DOCUMENT IN THE OFFICIAL PUBLIC RECORD

09-01-2022 ANNUAL LABOR FILED

RECORDING DIST TAL TALKEETNA
AFFIDAVIT # 2022-001526-0

03-24-2022 COMMENTS

SURVEY OF EXTERIOR BOUNDARY COMPLETED, TOTAL ACREAGE IS 47.47
ACRES

11-15-2021 DOCUMENT RECORDED

TYPE OF DOCUMENT MI MINING
DOCUMENT NUMBER 2021-001785-0
RECORDING DISTRICT R321 TALKEETNA
DOCUMENT DESC: STATEMENT OF ANNUAL LABOR FOR MINING
GENERATED BY RECORDING THE DOCUMENT IN THE OFFICIAL PUBLIC RECORD

09-01-2021 ANNUAL LABOR FILED

RECORDING DIST TAL TALKEETNA
AFFIDAVIT # 2021-001785-0

11-30-2020 ANNUAL LABOR FILED

RECORDING DIST TAL TALKEETNA
AFFIDAVIT # 2020-001376-0

09-01-2020 DOCUMENT RECORDED

TYPE OF DOCUMENT MI MINING
DOCUMENT NUMBER 2020-001376-0
RECORDING DISTRICT R321 TALKEETNA
DOCUMENT DESC: AFFID OF ANNUAL LABOR MINING AFFID YEAR
GENERATED BY RECORDING THE DOCUMENT IN THE OFFICIAL PUBLIC RECORD

11-13-2019 DOCUMENT RECORDED

TYPE OF DOCUMENT MI MINING
DOCUMENT NUMBER 2019-001528-0
RECORDING DISTRICT R321 TALKEETNA
DOCUMENT DESC: AFFID OF ANNUAL LABOR MINING AFFID YEAR
GENERATED BY RECORDING THE DOCUMENT IN THE OFFICIAL PUBLIC RECORD

09-01-2019 ANNUAL LABOR FILED

RECORDING DIST	TAL	TALKEETNA
AFFIDAVIT #	2019-001528-0	
10-29-2018 DOCUMENT RECORDED		
TYPE OF DOCUMENT	MI	MINING
DOCUMENT NUMBER	2018-001494-0	
RECORDING DISTRICT	R321	TALKEETNA
<i>DOCUMENT DESC: AFFID OF ANNUAL LABOR MINING AFFID YEAR</i>		
<i>GENERATED BY RECORDING THE DOCUMENT IN THE OFFICIAL PUBLIC RECORD</i>		
09-01-2018 ANNUAL LABOR FILED		
RECORDING DIST	TAL	TALKEETNA
AFFIDAVIT #	2018-001494-0	
11-06-2017 DOCUMENT RECORDED		
TYPE OF DOCUMENT	MI	MINING
DOCUMENT NUMBER	2017-001887-0	
RECORDING DISTRICT	R321	TALKEETNA
<i>DOCUMENT DESC: AFFID OF ANNUAL LABOR FOR MINING</i>		
<i>GENERATED BY RECORDING THE DOCUMENT IN THE OFFICIAL PUBLIC RECORD</i>		
09-01-2017 ANNUAL LABOR FILED		
RECORDING DIST	TAL	TALKEETNA
AFFIDAVIT #	2017-001887-0	
11-07-2016 DOCUMENT RECORDED		
TYPE OF DOCUMENT	MI	MINING
DOCUMENT NUMBER	2016-001540-0	
RECORDING DISTRICT	R321	TALKEETNA
<i>DOCUMENT DESC: AFFID OF ANNUAL LABOR FOR MINING</i>		
<i>GENERATED BY RECORDING THE DOCUMENT IN THE OFFICIAL PUBLIC RECORD</i>		
09-01-2016 ANNUAL LABOR FILED		
RECORDING DIST	TAL	TALKEETNA
AFFIDAVIT #	2016-001540-0	
11-10-2015 DOCUMENT RECORDED		
TYPE OF DOCUMENT	MI	MINING
DOCUMENT NUMBER	2015-001563-0	
RECORDING DISTRICT	R321	TALKEETNA
<i>DOCUMENT DESC: STATE OF ALASKA AFFID OF ANNUAL LABOR FO</i>		
<i>GENERATED BY RECORDING THE DOCUMENT IN THE OFFICIAL PUBLIC RECORD</i>		
09-01-2015 ANNUAL LABOR FILED		
RECORDING DIST	TAL	TALKEETNA
AFFIDAVIT #	2015-001563-0	
03-13-2015 DOCUMENT RECORDED		
TYPE OF DOCUMENT	MI	MINING
DOCUMENT NUMBER	2015-000282-0	
RECORDING DISTRICT	R321	TALKEETNA
<i>DOCUMENT DESC: LEASE SEGREGATION AND ASSIGN</i>		
<i>GENERATED BY RECORDING THE DOCUMENT IN THE OFFICIAL PUBLIC RECORD</i>		
06-06-2014 COMMENTS		
<i>REASSIGNED PORTION FROM LEASE ADL 674065; BLUE RIBBON, INC. REASSIGNED ACRE/LOCATION, NOT PERCENTAGE; REQUIRED SPLIT AND NEW LEASE NUMBER.</i>		

[More Case Actions](#)


Legal Description

SW 1/4, NE 1/4, N 1/2, NW 1/2, SSE 1/4, NE 1/4, AND S 1/2, S 1/2, SW 1/4, NE 1/4, NE 1/4 of Section 25 (Protracted), Township 29 North, Range 9 West, Seward Meridian Alaska, 47.5 Acres

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

Matanuska-Susitna County, Alaska





Local office

Anchorage Fish & Wildlife Field Office

☎ (907) 271-2888

📠 (907) 271-2786

4700 Blm Road

Anchorage, AK 99507

NOT FOR CONSULTATION

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species¹ and their critical habitats are managed by the [Ecological Services Program](#) of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries²).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact [NOAA Fisheries](#) for [species under their jurisdiction](#).

1. Species listed under the [Endangered Species Act](#) are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the [listing status page](#) for more information. IPaC only shows species that are regulated by USFWS (see FAQ).
2. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

There are no listed species or critical habitats expected to occur at this location.

Bald & Golden Eagles

Bald and Golden Eagles are protected under the Bald and Golden Eagle Protection Act [2](#) and the Migratory Bird Treaty Act (MBTA) [1](#). Any person or organization who plans or conducts activities that may result in impacts to Bald or Golden Eagles, or their nests, should follow appropriate regulations and implement required avoidance and minimization measures, as described in the various links on this page.

The [data](#) in this location indicates that no eagles have been observed in this area. This does not mean eagles are not present in your project area, especially if the area is difficult to survey. Please review the 'Steps to Take When No Results Are Returned' section of the [Supplemental Information on Migratory Birds and Eagles document](#) to determine if your project is in a poorly surveyed area. If it is, you may need to rely on other resources to determine if eagles may be present (e.g. your local FWS field office, state surveys, your own surveys).

Any person or organization who plans or conducts activities that may result in impacts to bald or golden eagles, or their habitats³, should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the "[Supplemental Information on Migratory Birds and Eagles](#)".

Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>

- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds>
- Nationwide avoidance and minimization measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>
- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

There are Bald Eagles and/or Golden Eagles in your [project](#) area.

Measures for Proactively Minimizing Eagle Impacts

For information on how to best avoid and minimize disturbance to nesting bald eagles, please review the [National Bald Eagle Management Guidelines](#). You may employ the timing and activity-specific distance recommendations in this document when designing your project/activity to avoid and minimize eagle impacts. For bald eagle information specific to Alaska, please refer to [Bald Eagle Nesting and Sensitivity to Human Activity](#).

The FWS does not currently have guidelines for avoiding and minimizing disturbance to nesting Golden Eagles. For site-specific recommendations regarding nesting Golden Eagles, please consult with the appropriate Regional [Migratory Bird Office](#) or [Ecological Services Field Office](#).

If disturbance or take of eagles cannot be avoided, an [incidental take permit](#) may be available to authorize any take that results from, but is not the purpose of, an otherwise lawful activity. For assistance making this determination for Bald Eagles, visit the [Do I Need A Permit Tool](#). For assistance making this determination for golden eagles, please consult with the appropriate Regional [Migratory Bird Office](#) or [Ecological Services Field Office](#).

Ensure Your Eagle List is Accurate and Complete

If your project area is in a poorly surveyed area in IPaC, your list may not be complete and you may need to rely on other resources to determine what species may be present (e.g. your local FWS field office, state surveys, your own surveys). Please review the [Supplemental Information on Migratory Birds and Eagles](#), to help you properly interpret the report for your specified location, including determining if there is sufficient data to ensure your list is accurate.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to bald or golden eagles on your list, see the "Probability of Presence Summary" below to see when these bald or golden eagles are most likely to be present and breeding in your project area.

Please refer to [Alaska's Bird Nesting Season](#) for recommendations to minimize impacts to migratory birds, including eagles.

Review the FAQs

The FAQs below provide important additional information and resources.

Bald & Golden Eagles FAQs

What does IPaC use to generate the potential presence of bald and golden eagles in my specified location?

The potential for eagle presence is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey](#), [banding](#), and [citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are an eagle ([Bald and Golden Eagle Protection Act](#) requirements may apply).

Proper interpretation and use of your eagle report

On the graphs provided, please look carefully at the survey effort (indicated by the black vertical line) and for the existence of the "no data" indicator (a red horizontal line). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort line or no data line (red horizontal) means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list and associated information help you know what to look for to confirm presence and helps guide you in knowing when to implement avoidance and minimization measures to eliminate or reduce potential impacts from your project activities or get the appropriate permits should presence be confirmed.

How do I know if eagles are breeding, wintering, or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating, or resident), you may query your location using the [RAIL Tool](#) and view the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If an eagle on your IPaC migratory bird species list has a breeding season associated with it (indicated by yellow vertical bars on the phenology graph in your "IPaC PROBABILITY OF PRESENCE SUMMARY" at the top of your results list), there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

Interpreting the Probability of Presence Graphs

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular

week of the year. A taller bar indicates a higher probability of species presence. The survey effort can be used to establish a level of confidence in the presence score.

How is the probability of presence score calculated? The calculation is done in three steps:

The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.

To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is $0.25/0.25 = 1$; at week 20 it is $0.05/0.25 = 0.2$.

The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

Breeding Season ()

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort ()

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data ()

A week is marked as having no data if there were no survey events for that week.

Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

Migratory birds

The Migratory Bird Treaty Act (MBTA) ¹ prohibits the take (including killing, capturing, selling, trading, and transport) of protected migratory bird species without prior [authorization](#) by the Department of Interior U.S. Fish

and Wildlife Service (FWS). The incidental take of migratory birds is the injury or death of birds that results from, but is not the purpose, of an activity. The FWS interprets the MBTA to prohibit incidental take.

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.

Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds>
- Nationwide avoidance and minimization measures for birds
- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

There are migratory birds in your project area. Please refer to [Alaska's Bird Nesting Season](#) for recommendations to minimize impacts to migratory birds, including eagles.

Migratory Bird FAQs

Tell me more about avoidance and minimization measures I can implement to avoid or minimize impacts to migratory birds.

[Nationwide Avoidance & Minimization Measures for Birds](#) describes measures that can help avoid and minimize impacts to all birds at any location year-round. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is one of the most effective ways to minimize impacts. To see when birds are most likely to occur and breed in your project area, view the Probability of Presence Summary. [Additional measures](#) or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location, such as those listed under the Endangered Species Act or the [Bald and Golden Eagle Protection](#)

[Act](#) and those species marked as “Vulnerable” . See the FAQ “What are the levels of concern for migratory birds?” for more information on the levels of concern covered in the IPaC migratory bird species list.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) with which your project intersects. These species have been identified as warranting special attention because they are BCC species in that area, an eagle ([Bald and Golden Eagle Protection Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, and to verify survey effort when no results present, please visit the [Rapid Avian Information Locator \(RAIL\) Tool](#).

Why are subspecies showing up on my list?

Subspecies profiles are included on the list of species present in your project area because observations in the AKN for **the species** are being detected. If the species are present, that means that the subspecies may also be present. If a subspecies shows up on your list, you may need to rely on other resources to determine if that subspecies may be present (e.g. your local FWS field office, state surveys, your own surveys).

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go to the Probability of Presence Summary and then click on the “Tell me about these graphs” link.

How do I know if a bird is breeding, wintering, or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating, or resident), you may query your location using the [RAIL Tool](#) and view the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your IPaC migratory bird species list has a breeding season associated with it (indicated by yellow vertical bars on the phenology graph in your “IPaC PROBABILITY OF PRESENCE SUMMARY” at the top of your results list), there may be nests present at some point within the timeframe specified. If “Breeds elsewhere” is indicated, then the

bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Bald and Golden Eagle Protection Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially BCC species. For more information on avoidance and minimization measures you can implement to help avoid and minimize migratory bird impacts, please see the FAQ "Tell me more about avoidance and minimization measures I can implement to avoid or minimize impacts to migratory birds".

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Proper interpretation and use of your migratory bird report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please look carefully at the survey effort (indicated by the black vertical line) and for the existence of the "no data" indicator (a red horizontal line). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list does not represent all birds present in your project area. It is simply a starting point for identifying what birds of concern have the potential to be in your project area, when

they might be there, and if they might be breeding (which means nests might be present). The list and associated information help you know what to look for to confirm presence and helps guide implementation of avoidance and minimization measures to eliminate or reduce potential impacts from your project activities, should presence be confirmed. To learn more about avoidance and minimization measures, visit the FAQ "Tell me about avoidance and minimization measures I can implement to avoid or minimize impacts to migratory birds".

Interpreting the Probability of Presence Graphs

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. A taller bar indicates a higher probability of species presence. The survey effort can be used to establish a level of confidence in the presence score.

How is the probability of presence score calculated? The calculation is done in three steps:

The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25 .

To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05 , and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is $0.25/0.25 = 1$; at week 20 it is $0.05/0.25 = 0.2$.

The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

Breeding Season ()

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort ()

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data ()

A week is marked as having no data if there were no survey events for that week.

Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

There are no refuge lands at this location.

Fish hatcheries

There are no fish hatcheries at this location.

Wetlands in the National Wetlands Inventory (NWI)

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

Wetland information is not available at this time

This can happen when the National Wetlands Inventory (NWI) map service is unavailable, or for very large projects that intersect many wetland areas. Try again, or visit the [NWI map](#) to view wetlands at this location.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tubercoid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.



Remote Camps and Lodges General Permit Application

Alaska Department of Environmental Conservation
Solid Waste Program

ADEC Office Only:

Landfill Name:

Authorization #:

Instructions

This application is for coverage under the Statewide General Permit for solid waste disposal for remote camps and lodges with an average daily population of less than 50 people

In the application, the term "facility" refers to all land, structures, other appurtenances, and improvements on land used for treatment, storage, or disposal of solid waste.

This authorization will only be issued under the following conditions:

- Waste must be generated at a lodge or temporary camp with an average daily population of less than 50 people.
- Disposed waste must consist solely of incinerated domestic solid waste, inert waste, and septage.
- Annual volume of waste may not exceed 50 cubic yards of ash from incinerated domestic waste, 50 cubic yards of inert waste, and 5,000 gallons of septage.
- The facility must be located in a remote area with no year-round ground access to a system of connected roads with a total length of 100 miles or more **OR** all permitted landfills are either not accessible by road or are more than 25 road miles away or have refused, in writing, to accept the waste.

If these conditions do not apply, you may apply for a Class III Camp Landfill permit or the waste must be disposed in an existing permitted landfill.

If a required item is not applicable, please explain why. Please organize and number all attachments and identify which attachment applies to each item. Where information can be filled in, the text box should expand as needed to fit the response. Click on the grey box (appears when you hover over or click in the space) to enter text.

Section 1. Property Information

Facility Name: The Blue Ribbon Mine

Nearest Community: Trapper Creek

Legal Property Description:

ADL 231929

Section: 25

Township: 29N

Range: 9W

Meridian: Seward

General Property Description:

Upland mining lease

Latitude: 62.5763N

Longitude: 150.8706W

Landowner: State of Alaska

Contact Name:

Address:

City:

State:

Zip:

Email:

Phone:

Section 2. Contact Information**Permit Applicant (Co. or Entity):** Frontier BGM LLC., dba Frontier Landing**Contact Name:** Jacqueline Shepherd

Address: P.O. Box 520481	City: Big Lake	State: AK	Zip: 99652
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Email: frontierbgm@gmail.com	Phone: 9073519011
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Type of Entity:	☐ Government	☐ Corporation	☒ Other: LLC.
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State of Incorporation or Registration: 10353893	Alaska Business License Number: 2231207
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IRS Tax ID Number:	
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Facility Owner (if different than applicant):**Contact Name:** Dennis R. Garrett

Address: P.O. Box 520481	City: Big Lake	State: AK	Zip: 99652
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Email: blueribbonmine@proton.me	Phone:
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Facility Operator (if different than applicant):**Contact Name:** N/A

Address:	City:	State:	Zip:
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Email:	Phone:
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Agent/Consultant:**Contact Name:** N/A

Address:	City:	State:	Zip:
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Email:	Phone:
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Section 3. Fees

Submit payment payable to "State of Alaska" to cover the \$115 annual fee as listed in 18 AAC 60.700 Table E-4 for the initial application for a facility. If not included, the application will be returned to the applicant.

Subsequent annual fees will be billed each calendar year until ADEC approves closure of the facility.

Section 4. Project Overview														
1.	The lodging facility is a:		☐ Remote lodge or resort				☒ Temporary work camp (expected to operate less than 10 years)							
2.	Estimated Daily Population - For each month of operation, enter the estimated average daily population at the camp or lodge during that month, including all residents, guests, staff, and visitors:													
	January		February		March		April		May		5	June	6	
	July		7	August		7	September		7	October		6	November	6
	December													
	Calculate Average Daily Population:			Total of numbers above			44	/	Number of operating months (any month population does not = 0)			7	=	6
3.	Type of unit used to incinerate waste:			☒ Burn box, cage, or barrel - Model type:			Burn barrel							
				☐ Incinerator - Model type:			N/A							
4.	Will septage or sewage solids be disposed at the facility?										☐ Yes		☒ No	

Section 5. Location Information			
1.	Property Ownership		
	a. Attach a copy of the deed or another legal document that identifies the landowner.	Att. #:	See Attch.
	b. If the applicant is not the landowner, attach a written statement signed by the landowner showing that the landowner consents to the disposal site and agrees to the placement of a notation on the deed, or a copy of any lease agreement that is relevant to the proposed activity.	Att. #:	See Attch.
2.	Is the facility in a remote area with no year-round ground access to a system of connected roads with a total length of 100 miles or more? OR Are any permitted landfills located within 25 road miles of the facility? If yes, attach a copy of written refusal to accept the waste.		☒ Yes ☐ No ☐ Yes ☒ No
3.	Maps Attach updated maps and/or aerial photographs as needed to show the following: (each map may show more than one of the required items: property boundaries, disposal areas, etc.)		
	a. Location of the facility property boundary.	Att. #:	See Attch.
	b. All planned disposal locations (must be at least 50 feet from the property boundary).	Att. #:	See Attch.
	c. Septage trench (if applicable).	Att. #:	See Attch.
	d. Buildings and structures	Att. #:	See Attch.
	e. Location of burn unit or incinerator	Att. #:	See Attch.
	f. Roads, ditches, berms, fences, or other features	Att. #:	See Attch.
	g. Location and flow direction of all surface water bodies, streams, and containment or diversion structures within 500 feet of the facility property boundary.	Att. #:	See Attch.
	h. Location of all drinking water sources within one-half mile of the facility property boundary. There should be no drinking water sources within 500 feet of the facility property boundary.	Att. #:	See Attch.
	i. Location of any wetlands within 500 feet of the facility property boundary.	Att. #:	See Attch.

Section 5. Location Information (continued)

j.	Location of permafrost or discontinuous permafrost within 500 feet of the facility property boundary.	Att. #:	See Atch.
k.	Location of any 100-year floodplain in the area.	Att. #:	See Atch.
l.	Location of any documented earthquake faults or unstable areas within 200 feet of the facility property boundary.	Att. #:	See Atch.
4.	Surface Water Information		
a.	Distance to nearest surface water body:	400	feet
b.	Describe how surface water and/or storm water will be prevented from entering the disposal cell(s).		
	Standard industry practices, see Narrative.		
5.	Groundwater Information		
a.	Distance to Groundwater:	50	feet below ground surface
b.	Describe or attach information documenting how the groundwater level at the facility was determined.		
	Geology.		

Section 6. Operations Information

1.	Access Control
a.	Describe how public access to the facility will be restricted?
	The State of Alaska is the landowner, we do not control the surface.
2.	Waste Handling - Domestic waste and food garbage must be incinerated prior to disposal.
a.	List the wastes that will be stored onsite to be shipped to another facility for processing or disposal.
	Usual Domestic waste and food garbage.
b.	Describe how burnable and non-burnable waste will be separated.
	By hand.

Section 6. Operations Information (continued)

c. Describe the operation of the burn unit

Standard procedures.

d. Describe how non-burnable waste and ash from burnable waste will be disposed.

Backhauled.

3. Septage (if applicable)

a. Describe how septage trench will be constructed and operated. Include a description of how lime will be added and septage tested to ensure it meets a pH of 12. Please indicate "N/A" if no septage will be disposed.

N/A

4. Landfill Cover

a. Six inches of soil cover must be applied to the waste at least once each week.

☒ Understood

b. Where will cover material be obtained? TBD

c. Where will cover material be stored? TBD

d. At least 12 inches of interim cover must be applied to both the solid waste cell and the septage trench at the end of the working season.

☒ Understood

☐ NA – operate year-round

5. Operating Record

For each of the following records, list the individual responsible for maintaining the record and the location where each of the records will be kept. Note, the records must be retained for at least 5 years beyond the closure date of the facility.

<u>Record</u>	<u>Record Keeper</u>	<u>Record Location</u>
Copy of the complete application	TBD	TBD
Copy of the ADEC authorization	TBD	TBD
Visual monitoring records	TBD	TBD

Section 7. Facility Closure

1.	Describe the steps necessary to close the facility and attach a timeline of closure activities, including:		
	a. Identify the source and expected volume of the cover materials:		
	<u>Material</u>	<u>Volume</u> (cubic yards)	<u>Source</u>
	18" Clean fill soil		Unk
	6" of topsoil or other growth media		Unk
	b. Describe how the cover will be graded to promote surface water runoff and prevent ponding.		
	See Reclamation Plan and Narrative.		
	c. List the plant species that will be used for revegetation of the site, as recommended by the Alaska Plant Material Center (907-745-4469), or describe other revegetation plans.		
	See Reclamation Plan and Narrative.		
	d. Describe the location (or show on a map) and process for installation of four permanent markers, one at each of the corners of the disposal cell.		
	See Plan Map.		
2.	Attach conceptual closure drawings that show:		
	a. Projected final site grades after the disposal site reaches capacity.	Att. #:	See Atch.
	b. Final cover details.	Att. #:	See Atch.

Section 8. Specific Conditions

Your signature below indicates that you agree to each of the following conditions regarding construction, operations, closure, and post closure care of the facility.

1. Local ordinances and requirements will be adhered to in construction and operations of the facility.
2. Waste will be inspected prior to disposal to ensure that only domestic waste ash, inert waste, and septage will be disposed at this site. Other types of waste are prohibited.
3. No more than 50 cubic yards of ash, 50 cubic yards of inert waste, and 5,000 gallons of septage will be disposed at this site each year.
4. All combustible waste will be thoroughly burned prior to disposal.
5. At least 6 inches of soil will be applied to the waste as cover at least once each week during the active season. 12 inches of soil will be applied as interim cover at the end of each season.
6. Septage will be disposed in a trench separate from other wastes, treated with lime, and covered as required in the permit.
7. Improper or unauthorized waste disposal or spills will be cleaned up immediately.
8. Any violations of regulations or conditions of the authorization will be addressed immediately and reported to ADEC as appropriate.
9. Each calendar year, before December 31, submit a brief report to DEC on the current status of the facility as outlined in the permit.
10. Closure of the facility will begin no later than 60 days after the last waste is deposited.
11. Permanent markers from which a survey could be performed will be installed at the four corners of each disposal cell.
12. Photos will be submitted to ADEC before equipment is demobilized from the community, showing 4 sides of the each disposal cell. ADEC will determine if additional closure measures are required.
13. A closure report will be submitted to ADEC for approval within 90 days of final waste placement. The report will include:
 - An updated site map showing the boundaries of the disposal cell.
 - Documentation of the depth and volume of waste deposited
 - Documentation that the required notation has been made to the property deed
 - Photos showing the integrity of the final cover
14. Annual fees for the facility will be paid until the closure report has been submitted and approved by ADEC.
15. The cover of this disposal site will be corrected or repaired, at any time after facility closure is approved, if ADEC determines that there is a threat to human health or the environment.

Section 9. Signature

I certify, under penalty of perjury, that all of the information and exhibits in this application are true, accurate, and complete and I agree to the specific conditions above.

Printed Name: Jacqueline F. Shepherd

Title: Operator

Signature:



Date: 3/9/2026

All applications must be signed as follows per 18 AAC 15.030:

- **Corporations:** A principal executive officer, an officer that is no lower than the level of vice president, or a duly authorized representative who is responsible for the overall management of the project or operation.
- **Municipal, state, federal, or other public entity:** A principal executive officer, ranking elected official, or duly authorized employee.
- **Partnerships:** A general partner.
- **Sole proprietorship:** The proprietor.

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, <u>Dennis R. Garrett</u>, OWNER of mineral property(s): List all mineral properties by their casefile number (ADL/AKFF/USMS) or legal description (MTRS). <u>231929</u> _____ _____ _____ (Attach additional sheet if necessary) Have authorized <u>Blue Ribbon Mine LLC.</u> Address of Operator <u>P. O. Box 520481 Big Lake Alaska 99652</u> to operate on these claims from <u>6 / 6 / 2026</u> to <u>11 / 30 / 2036</u> Owner's Signature <u><i>Dennis R. Garrett</i></u> Date <u>24 Feb 2026</u>	Check Type of Mineral Property(s) ☒ State ADL ☐ Federal AKFF/AKAA ☐ USMS ☐ MTRS (Native Lands)
--	--

NOTARY Subscribed and sworn to before me this <u>24</u> day of <u>February</u>, 20<u>26</u>. For (owner) (Signature of Notary) <u><i>Cassidy R. Drake</i></u> My commission expires: <u>07/10/2028</u>		
--	--	---

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 <u> </u> / <u> </u> / <u> </u> to <u> </u> / <u> </u> / <u> </u>. 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 -- 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# _____

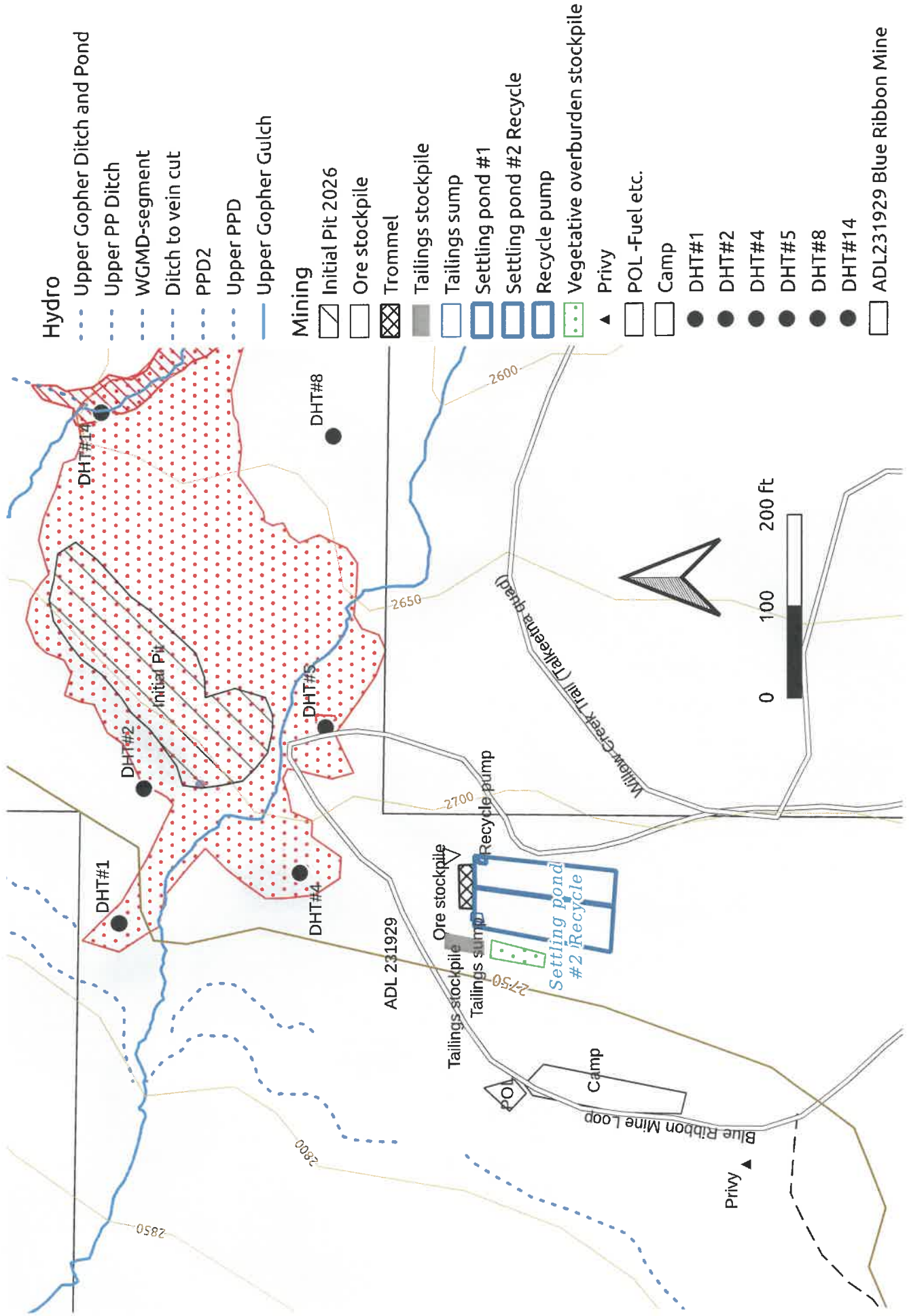
I, <u>Dennis Garrett</u>, OWNER of mineral property(s): List all mineral properties by their casefile number (ADL/AKFF/USMS) or legal description (MTRS). <u>231929</u> _____ _____ _____ (Attach additional sheet if necessary) Have authorized <u>Frontier BGM, LLC.</u> Address of Operator <u>P. O. Box 520481 Big Lake Alaska 99652</u> to operate on these claims from <u>4 / 1 / 2026</u> to <u>11 / 30 / 2029</u> Owner's Signature <u><i>Dennis R. Garrett</i></u> Date <u>5 Mar 2026</u>	Check Type of Mineral Property(s) ☒ State ADL ☐ Federal AKFF/AKAA ☐ USMS ☐ MTRS (Native Lands)
---	---

NOTARY Subscribed and sworn to before me this <u>5th</u> day of <u>March</u>, 20<u>26</u> For (owner) <u>Dennis R. Garrett</u> (Signature of Notary) <u><i>[Signature]</i></u> My commission expires: <u>01/09/27</u>	
--	--

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 -- 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# 3225

I, <u>Dennis Garrett</u> , OWNER of mineral property(s): List all mineral properties by their casefile number (ADL/AKFF/USMS) or legal description (MTRS). <u>231929</u> _____ _____ _____ (Attach additional sheet if necessary) Have authorized <u>Frontier BGM, LLC.</u> Address of Operator <u>P. O. Box 520481 Big Lake Alaska 99652</u> to operate on these claims from <u>4 / 1 / 2026</u> to <u>11 / 30 / 2029</u> Owner's Signature <u><i>Dennis R. Garrett</i></u> Date <u>5 Mar 2026</u>	Check Type of Mineral Property(s) ☒ State ADL ☐ Federal AKFF/AKAA ☐ USMS ☐ MTRS (Native Lands)
---	---

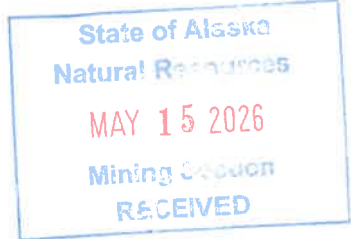
NOTARY
 Subscribed and sworn to before me this 5th day of March, 2026
 For (owner) Dennis R. Garrett
 (Signature of Notary) *[Signature]*
 My commission expires: 01/09/27



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 -- 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# 3225

I, <u>Dennis R. Garrett</u> , OWNER of mineral property(s):		Check Type of Mineral Property(s)
List all mineral properties by their casefile number (ADL/AKFF/USMS) or legal description (MTRS). <u>231929</u>		☒ State ADL
		☐ Federal AKFF/AKAA
		☐ USMS
		☐ MTRS (Native Lands)
(Attach additional sheet if necessary)		
Have authorized <u>Blue Ribbon Mine LLC.</u>		
Address of Operator <u>P. O. Box 520481 Big Lake Alaska 99652</u>		
to operate on these claims from <u>6 / 6 / 2026</u> to <u>11 / 30 / 2036</u>		
Owner's Signature <u>Dennis R. Garrett</u>	Date <u>24 Feb 2026</u>	

NOTARY

Subscribed and sworn to before me this 24 day of February, 2026.

For (owner)

(Signature of Notary) Cassidy R. Drake



My commission expires: 07/10/2028

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

I, _____, LESSEE of mineral property(s) :		Check Type of Mineral Property(s)
List all mineral properties by their casefile number (ADL/AKFF/USMS) or legal description (MTRS). _____ _____		☐ State ADL
		☐ Federal AKFF/AKAA
		☐ USMS
		☐ MTRS (Native Lands)
(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:

