

STATE OF ALASKA

2025

Application for Permits to Mine in Alaska (APMA)

3101

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

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

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

Name: JCG Properties & Exploration Corp Primary Phone Number: 702-306-6095
 Address: 410 Carhart Loop; PO BOX 7508 Secondary Phone Number: _____
Takotna, Alaska 99675 Email: jessecgrady@gmail.com
[Click here for the Department of Commerce Link](#)
 Alaska Business/Corporation Entity# 133830 Registered Agent (Corp./LLC/LP) Jesse Grady

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

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

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

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

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

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

Project Name If Applicable: (7) <u>GR Claim Group</u>	Average Number of Workers: *REQUIRED (8) <u>1-2</u>	Start-Up/Shut Down: (Month/Day) (9) <u>May 1st</u> to <u>October 15th</u>
---	---	---

Mining District: *REQUIRED (10) <u>Innoko Mining District</u>	Applicable USGS Map(s): *REQUIRED (11) <u>Ophir A2 Quadrangle</u>	On What Stream Is This Activity? (12) <u>Dodge Creek & Gold Run</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>Kateel Meridian</u> <u>Township 27 South</u> <u>Range 12 East</u> <u>Sections 15, 21, 22, 27</u>	Internal Use Only: 
--	---

Internal Use Only:
 Date Application Received Complete: _____ Adjudicator: _____ LAS Entry: _____
 Sec 3 CID: 58952 Sec 4 CID: _____ Sec 5 CID: _____ Sec 6 CID: _____

MV_ST_MINING

Source: Alaska Department of Natural Resources, Information Resource Management

Case ID	Case Status Description	Case Type Description	Claim Name	Customer Name	Notepost Date	Special Code Description	Total Acres
ADL 742396	Active (35)	Mining Claim (713)	GR-01	Jcg Properties & Exploration C Orporation	10-APR-25	Mining Claim (MC)	160
ADL 742397	Active (35)	Mining Claim (713)	GR-02	Jcg Properties & Exploration C Orporation	10-APR-25	Mining Claim (MC)	40
ADL 742398	Active (35)	Mining Claim (713)	GR-03	Jcg Properties & Exploration C Orporation	10-APR-25	Mining Claim (MC)	40
ADL 742399	Active (35)	Mining Claim (713)	GR-04	Jcg Properties & Exploration C Orporation	10-APR-25	Mining Claim (MC)	40
ADL 742400	Active (35)	Mining Claim (713)	GR-05	Jcg Properties & Exploration C Orporation	10-APR-25	Mining Claim (MC)	40
ADL 742401	Active (35)	Mining Claim (713)	GR-06	Jcg Properties & Exploration C Orporation	10-APR-25	Mining Claim (MC)	40
ADL 742402	Active (35)	Mining Claim (713)	GR-07	Jcg Properties & Exploration C Orporation	10-APR-25	Mining Claim (MC)	40
ADL 742403	Active (35)	Mining Claim (713)	GR-08	Jcg Properties & Exploration C Orporation	10-APR-25	Mining Claim (MC)	40
ADL 742404	Active (35)	Mining Claim (713)	GR-09	Jcg Properties & Exploration C Orporation	10-APR-25	Mining Claim (MC)	40
ADL 742405	Active (35)	Mining Claim (713)	GR-10	Jcg Properties & Exploration C Orporation	10-APR-25	Mining Claim (MC)	40
ADL 742406	Active (35)	Mining Claim (713)	GR-11	Jcg Properties & Exploration C Orporation	10-APR-25	Mining Claim (MC)	40
ADL 742407	Active (35)	Mining Claim (713)	GR-12	Jcg Properties & Exploration C Orporation	10-APR-25	Mining Claim (MC)	160
ADL 742409	Active (35)	Mining Claim (713)	GR-14	Jcg Properties & Exploration C Orporation	10-APR-25	Mining Claim (MC)	40

END OF REPORT

Report Information

Source ID	60
Source Name	MV_ST_MINING
Source Description	
Run Date and Time	04/03/2026 09:23:51 AKDT
Record Count	13

SQL Statement

CASE_ID,CASE_STATUS,CASE_STATUS_DESCRIPTI	
---	--

MV_SURVEY

Source: Alaska Department of Natural Resources, Information Resource Management

Case ID	Case Status Description	Case Type Description	Map Label	Net Acres
USMS 2098	Plat Filed/Approved (96)	U.S. Mineral Survey (306)	USMS 2098 1471.88	1471.88
USMS 2135	Plat Filed/Approved (96)	U.S. Mineral Survey (306)	USMS 2135 305.468	305.468

END OF REPORT

Report Information

Source ID	115
Source Name	MV_SURVEY
Source Description	
Run Date and Time	04/03/2026 09:24:48 AKDT
Record Count	2

ADMA 3101

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.

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. USMS 2135	Patented Private Land	7.	
2. USMS 2098	Patented Private Land	8.	
3. GR Claim Group	see attached Claim List	9.	
4.		10.	
5.		11.	
6.		12.	

INVENTORY OF EQUIPMENT

(15)

to be used (make, model, type, size, purpose, and number of each, including pumps).
 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	Check One:	
			Located on the claim block?	Transporting to claim block?
1.	Cat 316FL, Excavator...Prospecting, bulk testing, reclamation, access	1		<input checked="" type="checkbox"/>
2.	Yamaha 400 ATV....access and transport of supplies	1		<input checked="" type="checkbox"/>
3.	ATV trailer....5ft	1		<input checked="" type="checkbox"/>
4.	Honda 4" water pump	1		<input checked="" type="checkbox"/>
5.	Dodge Ram 3500...transport supplies to and from Takotna to Ophir	1		<input checked="" type="checkbox"/>
6.	Skidoo Expedition 600LE...winter access	1		<input checked="" type="checkbox"/>
7.	Sluice Box 18" x 16ft w/slick plate 4' x 10ft	1		<input checked="" type="checkbox"/>
8.				

ACCESS TO THE CLAIM BLOCK

(16)

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

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

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

State City/Borough Federal Private

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

All season Road (These are public easements maintained by municipal, borough, private, or state funds for year round use). List road(s) to claim block: access via existing privately maintained trails within Patented Private Land

Existing Route or a RST/ RS 2477 Easement with a mineral base surface. Takotna - Ophir Road to T.D. hand - front easement

Navigable Waterway

Aircraft Supported

* RST 165 & RST 169
 See Narrative & Figures 5

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

MINERAL PROPERTIES LIST
Exploration Activities & Access
State of Alaska, Mt. McKinley Recording District
Ophir A2 Quadrangle, Kateel Meridian

Planned Activity	NAME	ACRES	ADL #
Access	USMS 2135	305.468	USMS 2135
Prospect Pit, Access	USMS 2098	1471.88	USMS 2098
Prospect Pit, Access	GR-01	160	742396
Prospect Pit	GR-02	40	742397
Prospect Pit	GR-04	40	742399
Prospect Pit	GR-05	40	742400
Prospect Pit	GR-07	40	742402
Prospect Pit	GR-08	40	742403
Prospect Pit	GR-10	40	742405
Prospect Pit	GR-11	40	742406
Prospect Pit	GR-12	160	742407
Access	GR-14	40	742409

*** GR-01 Amended January, 2026 to include revised claim map

Planned Activity	NAME	ACRES	ADL #
No Planned Use	GR-03	40	742398
No Planned Use	GR-06	40	742401
No Planned Use	GR-09	40	742404

ACCESS TO THE CLAIM BLOCK, CONTINUED

(16)

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

Please see Narrative section for Access & Trail Improvements & Figure 3 : Exploration Areas _Access Route

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:

JCG Properties & Exploration Corp.

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

Cat 316FL Excavator; ~38,000lbs, spring, summer, fall
Yamaha 400ATV; 550lbs, spring, summer, fall
Dodge Ram 3500; ~7,000lbs, spring, summer, fall
Skidoo Expedition LE snowmobile; ~700lbs, winter only

State the average total miles traveled in one round trip: 2. State the number of trips proposed: 10 monthly

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

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

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

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

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

Are you transporting fuel? Yes No

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

1 Each 50 gallon drum of diesel fuel per trip

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

1 Each, 5 gal bkts motor oil, hydraulic oil, case of grease tubes

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

55 gallon drums, 5 gallon plastic buckets

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

ATV Trailer, Pickup Truck

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.

See Narrative Attached

PETROLEUM PRODUCT STORAGE

(17)

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

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

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

See Narrative Attached

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:

10,000+ gallons of total storage (count only containers with 55 gallons or greater storage capacity). An SPCC certified by a professional engineer is required and applies to all oil products, such as diesel fuel, gasoline, lube oil, hydraulic oil and waste oil.

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

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

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

See Narrative Attached

TEMPORARY STRUCTURES/FACILITIES

(18)

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

If "No", Please explain: Please see narrative, no new temporary structures on State of Alaska Land

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

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

If camp is on private land, provide location: _____

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

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

Request to place **new** temporary structures, list ADL(s): _____
 Year-Round Seasonal, from Approx. _____ to _____, annually.

	Temporary New Structures Quantity	Existing Structure Quantity	Use (Shop, office, etc.)	Dimensions (ft x ft)	Dimensions (ft x ft)	Dimensions (ft x ft)
Framed						
Tent						
Trailer						
Platforms						
Out-Buildings						
Other:						

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

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

No grey water, use of pit privy on private land

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.** Solid waste would include empty oil jugs, empty grease tubs, scrap metal, cardboard, paper, oily rags and similar typical small waste.

All waste will be removed and disposed of at the Takotna Village Dump.

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

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

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

MINING METHOD

(19)

- Mechanical Placer Mining (e.g., terrestrial open-cut operations with dozer or excavator, etc.)
Estimated cubic yards processed annually: 712 cu. yds
- 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					
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 <input type="checkbox"/> / No <input type="checkbox"/>		Yes <input type="checkbox"/> / No <input type="checkbox"/>		Yes <input type="checkbox"/> / No <input type="checkbox"/>	
Vessel Registration # / State	#:	State:	#:	State:	#:	State:
Location:	<input type="checkbox"/> Offshore / Salt Water		<input type="checkbox"/> Pond connected to stream			
	<input type="checkbox"/> Stream		<input type="checkbox"/> Pond isolated from stream			
	<input checked="" type="checkbox"/> Mine cut isolated from stream					

PLACER EXPLORATION DRILLING AND TEST PITS

(20)

Test Pits: Yes No

Estimated number of pits to be excavated: 20

How long will the test pit be open if not converted into an active mine cut? 7-10 days

Average Size: Length: 9 Ft. Width: 6 Ft. Depth: 12 Ft.

Placer Drilling: Yes No

Total number of holes to be drilled: _____ Type of drill(s) used: _____

Drilling and Test Pit Identification and Mineral Property Information

Trench/Hole ID on Map

ADL/BLM/USMS NUMBER

see Narrative and attached Prospect Pit Location Map

see also attached Prospect Pit Location List

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

EXPLOSIVES

(21)

Will explosives be used? Yes No If "Yes", Indicate: Type: _____ Amount: _____

Explosive Handler's Certification/ATF Permit Numbers: _____

Describe your blast design, blast schedule, and explosives handling plan in the project narrative.

WATER ENTRAPMENT

(22)

Will you be capturing water for use in mining operations? Yes No The entrapment is: Existing To be constructed

Where does the water have a potential to being stored? Above ground Below ground level Both

If above ground, what is the Length ____ ft Height ____ ft Width at crest ____ ft Width at base ____ ft of the berm(s)

What is the purpose of the water use? Makeup water pond Settling/recycle pond Stream diversion Other _____

How long do you expect for the entrapment to be in place Permanent 1-3 years 3-5 years 5 or more

If above ground, how many acre-feet is the maximum capacity of water stored from ground level to crest of the berm? _____

Total volume in acre-feet = surface area (acres) x average depth (feet) (1 acre = 43,560 square feet)

Where is the topographic location of the water storage area? Valley bottom Hillside

If on a hillside, Approximately how many feet is the water storage above the valley floor 30 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:

316FL Excavator, Yamaha ATV

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

	Stream Name/ Water Source	NAD 83 Datum (approximate) Coordinates can be obtained using Alaska Mapper http://dnr.alaska.gov/mapper/controller		MTRSC ¼ ¼ Ex: F001S001N01 SWSW	Check boxes to indicate type(s) of activity		
		Latitude ddd.mmmm	Longitude -ddd.mmmm		Crossing	Dredging	Water Intake
1.	Lower Dodge Creek	63.15067	156.5627	K 27S 12E 15 NWSW	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2.	Upper Dodge Creek	63.1391	156.5689	K 27S 12E 22 NWNW	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.	Gold Run Creek	63.1402	156.5506	K 27S 12E 22 NENW	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

WATER USE AUTHORIZATIONS

(24)

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

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

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.

Provide the geographic name or locally know name of water Source. (Recycle/settling ponds, creek, stream, well, etc.) If requesting a stream reach, clearly identify the entire stream reach on a legible map.	Meridian	Township	Range	Section(s)	Start-Up Water and/or Make-Up Water? Check each applicable box.			
					Start-Up	X	Make-Up	X
<u>Example:</u> Unnamed Creek	F	3N	3W	20	Start-Up	X	Make-Up	X
1. Lower Dodge Creek (Water Intake)	K	27S	12E	15	Start-Up		Make-Up	<input checked="" type="checkbox"/>
	Latitude: 63.15067			Longitude: 156.5627				
2. Upper Dodge Creek (Water Intake)	K	27S	12E	22	Start-Up		Make-Up	<input checked="" type="checkbox"/>
	Latitude: 63.1391			Longitude: 156.5689				
3. Gold Run (Water Intake)	K	27S	12E	22	Start-Up	<input checked="" type="checkbox"/>	Make-Up	<input checked="" type="checkbox"/>
	Latitude: 63.1402			Longitude: 156.5506				
4.					Start-Up		Make-Up	<input type="checkbox"/>
	Latitude:			Longitude:				
5.					Start-Up	<input type="checkbox"/>	Make-Up	<input type="checkbox"/>
	Latitude:			Longitude:				

WATER USE AUTHORIZATIONS CONT.

(24)

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

Geographic Name of Water Source (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. Dodge Creek	200-300	200-300	1	10	20
2.					
3.					
4.					
5.					

C. Recycle/Settling Pond System

Withdrawal Rate (gpm/pump)	Number of Pumps	Hours per Day	Days per Month	Additional Notes:
200-300	1	10	20	See Narrative Attached
Pond # 1: L: ___ ft W: ___ ft D: ___ ft		Pond # 2: L: ___ ft W: ___ ft D: ___ ft		
Pond # 3: L: ___ ft W: ___ ft D: ___ ft		Pond # 4: L: ___ ft W: ___ ft D: ___ ft		

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.

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.
Additional Notes: N/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.

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 _____

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: Innoko River

Approximate coordinates of mine site:

Latitude: 63.138811 Longitude: -156.568574

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

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

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

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

If a mixing zone is requested, provide the following:

Coordinates of discharge location: Latitude: _____ Longitude: _____

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

Distance to nearest downstream drinking water source _____ and downstream placer mine _____

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

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

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

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

Signature of Responsible Party: _____

Responsible Party Name (First Last, Position) - Printed: Jesse Grad, Owner/Operator

Business Name (if applicable) - Printed: JCG Properties & Exploration Corp

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: 63.138811N Longitude: - 156.568574W

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

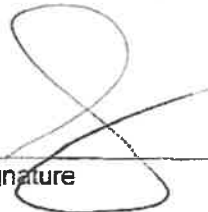
Please list Corps permits previously issued for this site: POA- _____ , POA- _____

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:

Jesse Grady
Print Name


Signature

7/4/2026
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: _____

Existing (Date Constructed _____) To Be Constructed (Date _____)

Diversion Start/upstream Location (Lat/Long) _____

Diversion End/Downstream Location (Lat/Long) _____

Is Stream Diversion? Permanent Temporary _____ year(s) _____ months

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

Annually reclaimed/returned to natural stream Maintained throughout mine life

Dimensions of existing stream in diversion area:

Length _____(ft) Top Width____(ft) Bottom Width____(ft) Depth ____ (ft) Floodplain Width____(ft)

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

Dimensions of proposed diversion:

Length____(ft) Top Width____(ft) Bottom Width____(ft) Depth____(ft) Floodplain Width____(ft)

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

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

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

Are culverts being installed in any natural water-body or diversion structures? Yes/No _____

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

PLAN MAP OF OPERATION *REQUIRED

(29)

VICINITY MAP

APMA #

ADLs:

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

CROSS SECTION SKETCH *REQUIRED

BEFORE ACTIVITY

(30)

DURING ACTIVITY

AFTER ACTIVITY

PLACER/SUCTION DREDGE NARRATIVE *REQUIRED

(31)

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

DESCRIBE ACCESS, PERSONNEL HOUSING AND CAMP LAYOUT:

please see Narrative and attached figures

DESCRIBE PROGRESSIVE STEPS OF MINING METHOD:

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

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

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

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

2025 ANNUAL RECLAMATION STATEMENT

(33)

- Placer Mining
- Suction Dredging
- Hardrock Exploration

APMA # 301

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, Jesse GRADY 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 N/A, 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 _____ feet and Width _____ feet of stream diversion.

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

Total Area reclaimed in 2025: 0 acres.

Total un-reclaimed acres: 0 (This should match "total acreage currently disturbed" on the 2026 Reclamation Plan Form.)

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

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

Other Reclamation Measures Taken:

[Empty box for other reclamation measures]

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

Relationship to Claim(s)

- Owner Lessee Operator
- Agent For: _____

Signed

[Signature]

Date

7/4/2026

2024 RECLAMATION PLAN FORM (PLACER EXPLORATION OR MINING)

<input type="checkbox"/> A. RECLAMATION PLAN (REQUIRED if the operation will disturb five or more acres this year, OR 50,000 cubic yards, OR if the operation has a cumulative disturbed area of five or more acres).	<input type="checkbox"/> B. RECLAMATION PLAN VOLUNTARY (for an operation below limits shown in Box A but wanting to qualify for the statewide bonding pool. (Operations on BLM Lands and others not filing Letter of Intent)).	<input checked="" type="checkbox"/> C. LETTER OF INTENT (34) (less than five acres to be disturbed AND less than 50,000 cubic yards AND less than five acres unreclaimed area).
---	--	--

In accordance with Alaska Statute 27.19, reclamation is required of all mining operations. Reclamation bonding is required of operations with disturbance of 5 acres or greater. Completion of this application will meet the requirements for a "Reclamation Plan" for operations 5 acres and larger in size and for a "Letter of Intent To Do Reclamation" for operations under 5 acres. If you do not intend to use the reclamation methods presented below, you must provide additional information concerning your plans for reclamation under separate attachments.

Total acreage currently disturbed: 0 acres. This should match "Total Unreclaimed Acres" on your 2025 Annual Reclamation Statement for Small Mines, or line #7 on your 2025 Bond Pool Renewal Form. Disturbed ground includes all unreclaimed mining and exploration activity (excluding camps and roads) since October 1991. Federal operators must include areas of camps and roads.

New acres to be disturbed in 2025: 2.24 acres. Total acreage (currently disturbed plus new acres): 2.24 acres.

Acreage disturbed by land status: 2.24 State (general) _____ State (Mental Health) _____ Private _____ Federal _____

Total acreage to be reclaimed in 2025: 2.24 acres; Total volume of material to be disturbed in 2025: 11,211 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 643 CFR 3809.420, Performance Standards for the Surface Management regulations for Federal Operations. Refer to 43 CFR 3809 or the BLM minerals website available at <http://www.blm.gov> 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>Jesse Grady</u> Signature (Applicant):	Relationship to Mineral Property: <input checked="" type="checkbox"/> Owner <input type="checkbox"/> Lessee <input checked="" type="checkbox"/> Operator <input type="checkbox"/> Agent For: _____	Date: <u>4/7/2026</u> APMA #: <u>F3101</u>
--	--	---

JCG Properties & Exploration Corp.

**Multi-Year APMA Placer Application,
Plan of Operations and Reclamation Procedures**

For:

**The GR Claim Group
2026 through 2035**

Written for:

**State of Alaska Department of Natural Resources
Alaska Division of Mining, Land, and Water
Attn: Mining/ APMA Group
3700 Airport Way
Fairbanks, AK 99709**

Written By:

JCG Properties & Exploration Corp
410 Carhart Loop
PO Box 7508, Takotna Alaska 99675
Attn: Jesse Grady
jessecgrady@gmail.com
Cell 702-306-6095

Table of Contents

- Project Summary
- Mining Claim Land Status
- Exploration Target Areas & Notice of Operator Authorization Form
- Access & Trail Improvements
- Personnel, Housing & Camp Layout
- Fuel Transport / Storage
- Plan of Operations: Prospect Pit & Bulk Sample Pit Construction Techniques
 - Initial Operation Stage: Prospecting Pits Summary
 - Secondary Operation Stage: Bulk Sample Pit Summary
 - Secondary Operation Stage: Bulk Sample Testing Summary
- Narrative for Figure 7. Prospect Pit Construction Techniques
- Narrative for Figure 8. Bulk Sample Pit & Tailings/Recycle Pond Construction Techniques
- Narrative for Figure 9. Testing Equipment Layout & Operation
- Reclamation
 - Access Trail Reclamation Summary
 - Prospect Pits & Bulk Sample Pit Reclamation Summary
 - Tailings & Recycle Pond Reclamation Summary
 - General Reclamation Procedure Summary
- Previous Exploration Disturbance
- Summary of New Exploration-related Disturbance

Figures & Lists

- Figure 1. Claim Map
- Figure 2. Mineral Properties List
- Figure 3. Exploration Target Areas & Access Route
- Figure 4. Notice of Operator Authorization
- Figure 5. Prospect Pit Location Map
- Figure 5b. Prospect Pit Location List
- Figure 6. Disturbance/Reclamation List
- Figure 7. Prospect Pit Construction Techniques
- Figure 8. Bulk Sample Pit Construction Techniques
- Figure 9. Testing Equipment Layout & Operation
- Figure 10. Reclamation Long Section

Other Attachments

- JCG 2026 APMA Complete Application
- JCG_USACE_Sup.1. Site Description
- JCG_USACE_Sup.1. Site Photographs
- JCG_USACE_Sup.2. Minimization Plan

Project Summary

The APMA placer exploration application and Plan of Operations proposed by JCG Properties & Exploration Corp. is designed as a multi-year authorization for a duration of up to 10 years (2026–2035) to evaluate placer gold potential within the Dodge Creek and Gold Run Creek area. Exploration activities will occur on both patented private property (USMS 2135 & 2098) under a Notice of Operator Authorization, as well as within thirteen (13) State of Alaska mining claims (GR-01 through GR-14) held by JCG Properties & Exploration Corp.

Exploration will be conducted in a phased and systematic manner, beginning with prospect pit excavation to evaluate targeted areas of mineralization. Prospect pits that demonstrate viable auriferous gravels may be advanced to a single bulk sample pit to further test grade and continuity. Only one bulk sample operation will be active at any given time to limit the extent of disturbance.

Access to the project area will utilize existing trails and historic disturbance to the maximum extent practicable. Limited improvements to access routes may occur where necessary to safely reach target areas, with all new disturbance minimized and constructed to allow for proper reclamation.

All exploration activities will be conducted using a tracked excavator equipped with a thumb to ensure proper segregation of topsoil, organics, and overburden materials for future reclamation. Water used for processing will be managed through a constructed settling pond system designed to contain sediment and allow for reuse of water within a largely closed-loop system.

The total estimated surface disturbance associated with all proposed activities is approximately 2.24 acres, including prospect pits, a potential bulk sample pit and associated tailings/recycle pond, and access trail improvements. Disturbance will be minimized through the use of existing disturbed areas wherever practicable.

Reclamation will occur concurrently with exploration activities where feasible, and all disturbed areas will be regraded, stabilized, and revegetated using stockpiled organics and topsoil. The overall objective is to return the site to a stable condition consistent with surrounding landforms, while minimizing erosion, sedimentation, and impacts to fish and wildlife resources.

Mining Claim Land Status

The GR claim group, owned by JCG Properties & Exploration Corp., consists of thirteen (13) State of Alaska Mining Claims (GR-01 to GR-14; (*GR 13 not updated yet 4.4.26*) see attached **Figure 1. Claim Map & Figure 2. Mineral Properties List**) all located within the Mt. McKinley Recording District and the Ophir A2 Quadrangle, Kateel Meridian Township 27 South, Range 12 East within Sections 15, 21, 22 and 27. These claims cover prospective areas along Dodge Creek and Gold Run, both of which are low-flow, incised, NE flowing drainages that drain into the Innoko River and are located ~2 miles west of the Ophir Airstrip.

The GR claim group abuts: 1) A large block of patented private property currently owned by Paul & Francine Sayer (USMS 2135, 2136 & 2098) along the northern portion of the GR claim group; and 2) other State of Alaska mining claims owned by various third parties that abut the GR claim group along the northeast and northwest boundaries of the claim group (**Figure 1. Claim Map**).

State of Alaska Claims GR-01 & GR-13 were recently amended in January 2026 to include a revised claim map (attached to GR-01) to exclude portions of GR-13 that overlapped patented mining claims along USMS 2135. This work was completed with help from Aaron J Nickols of the Alaska Department of Natural Resources. By the time this APMA is reviewed, these amendments are expected to be recorded and updated with DNR prior to review.

Exploration Target Areas & Notice of Operator Authorization Form

Three prospective target areas are proposed for evaluation of auriferous gold mineralization under this APMA and include: 1) Lower Dodge Creek; 2) Upper Dodge Creek; and 3) Gold Run all of which are highlighted on **Figure 3: Exploration Target Areas & Access Route**.

Upper Dodge Creek & Gold Run both occur wholly within the GR claim group, whereas Lower Dodge Creek occurs on patented private property owned by the Sayers.

Included in this APMA is a Notice of Operator Authorization Form signed by Paul and Francine Sayer, authorizing JCG Properties & Exploration Corp as operator on the property (**Figure 4. Notice of Operator Authorization**).

Access & Trail Improvements

Year-round access to the GR claim group will start from the Ophir Airstrip along the Iditarod Trail Easement ADL 230023-A / RST 19 Poorman-Ophir Route 2 that connects to privately maintained trails within USMS 2135 & 2098 (**Figure 3: Exploration Target Areas & Access Route**).

Numerous dozer trails that have existed since between 1906 & 1952, criss-cross the Ophir area and enter/exit the GR claim group at various locations. In order to minimize new ground disturbance while accessing prospective areas located within the GR claim group these existing older dozer trails will be used to the maximum extent practicable.

If needed, an improved trail will be constructed to access Upper Dodge Creek and Gold Run that will start from within USMS 2135 & 2098. This trail will utilize existing historic trails to the best extent practicable. Where necessary, limited trail construction and improvement may occur to establish safe and passable access for exploration activities. The trail will occur wholly within the GR claim group to avoid crossing into

adjacent State of Alaska mining claims owned by third parties (**Figure 3: Exploration Target Areas & Access Route; dashed blue line**).

The improved access route will be located on terraces that are adjacent (>100ft) to the flood plain but are approximately ~100 feet higher in elevation and is intended to avoid wetlands and water bodies located in the area. All activities will be located at a minimum of ~100 feet away from stream/creek beds and adjacent wetland areas. No water crossings will be necessary to access prospective areas under this APMA, but if unavoidable, will occur at permitted water source locations and water bars will be constructed to trap and minimize any possible siltation.

This improved access route will be constructed in such a manner that topsoil and brush piles will be separated and stockpiled for future reclamation use and site stabilization and will not be buried by mud or broken rock. Shallow, non-erosive ditches will be constructed alongside the trail to promote diversion of surface runoff water away from the trail. Ditch material will be used as a trail base and will be contoured and water-barred to control surface water runoff to mitigate erosion. The improved trail will be limited to the minimum necessary width, and will be constructed during conditions that minimize surface disturbance and will avoid saturated soils and areas of suspected permafrost degradation.

All new or reopened access trail improvements deemed inappropriate for future exploration will be reclaimed concurrent with exploration where appropriate for continued exploration access. Once prospecting and sampling is completed and these areas are deemed not required for use future exploration seasons, the trail will be reclaimed as the sites are vacated.

Exploration trails will be backfilled and the surface reshaped to blend with the surrounding landscape. Stockpiled brush piles, stumps, topsoil, and other organics will be spread over the contoured exploration disturbance to promote stabilization of moisture and natural plant growth and re-vegetation.

The improved access trail is planned to include ~1,475 ft that will occur within USMS 2135 & 2098 and ~3,750 ft within the GR claim group for a total of ~5,225 ft. The access trail is envisioned to be 12ft wide for an estimated total of ~1.44 acres of trail related disturbance.

Access trail construction and improvements are included in the total disturbance estimates and represent the maximum anticipated extent of disturbance under this APMA (see **Figure 6. Disturbance Reclamation List**). Actual disturbance will be minimized where practicable through use of existing trails and previously disturbed areas.

Personnel, Housing & Camp Layout

No new camps, temporary structures, or support facilities are proposed under this APMA. The operator and any exploration personnel will be based out of existing accommodations in the village of Takotna and/or existing structures located on privately owned patented property within USMS 2135. No camping or long-term occupancy will occur on State lands associated with this authorization.

Personnel levels are expected to remain minimal, typically consisting of 1–2 individuals during the exploration season.

All solid waste and trash will be handled and disposed of at an approved disposal location. Operations are not expected to generate gray water or wastewater within the prospect areas.

Fuel Transport/Storage

Fuel will be transported from Ophir to the prospect areas in approved 55-gallon drums via ATV and trailer along existing access routes. All transport will be conducted in a manner that minimizes the potential for spills or releases. A maximum of approximately 500 gallons of fuel will be stored on site at any given time to support efficient operations. Fuel will be stored in clearly labeled containers in good condition.

All fuel containers (including 55-gallon drums and smaller 5-gallon containers) and petroleum products (including gasoline, diesel, hydraulic oil, grease, and antifreeze) will be stored within a bermed secondary containment system capable of holding at least 110% of the total stored volume. Secondary containment will be constructed and maintained to prevent the release of fuels or lubricants into surrounding soils or waters.

Fuel storage areas will be located a minimum of 100 feet from any streams, wetlands, or other waterbodies. Refueling activities will occur in designated areas with appropriate spill prevention measures in place. Conventional drip & spill kit will be kept on site next to fuel storage area and will be maintained on site at all times.

Plan of Operations: Prospect Pit & Bulk Sample Pit Construction Techniques

Prospecting and testing activities proposed for this multi-year authorization will occur during typical Alaska field seasons, which vary from year to year as a result of weather and ground conditions but generally occurring between May 1st to October 15th.

The target areas will be tested systematically with prospect pits over time (**Figure 5. Prospect Pit Location Map & Figure 5b. Prospect Pit Location List**) initially with testing of Lower Dodge Creek, then Upper Dodge Creek and lastly Gold Run. For the 2026 field season, testing is expected to begin around July 15th, where Lower Dodge Creek will be the first target area to be tested with one (1) prospect pit. If results indicate the target area is viable, the area will be tested with a bulk sample pit and the other target areas may not be explored until subsequent field seasons or when time permits.

If the prospect pits at Lower Dodge Creek are determined to be non-viable for a bulk sample pit, then prospecting operations will move to the Upper Dodge Creek target area for the remainder of the 2026 field season. Fourteen (14) prospect pits have been planned to test Upper Dodge Creek whereas five (5) prospect pits have been planned to test Gold Run when time permits but likely during subsequent field seasons.

Initial Operation Stage: Prospecting Pits Construction Summary

- The target areas will be first explored by excavating systematic prospect pits and panning of samples collected from or near bedrock.
- Prospect pits that do not have viable auriferous gold mineralization will be reclaimed concurrent with prospecting and exploration.
- A total of twenty (20) prospect pits have been planned and their locations are shown on **Figure 5. Prospect Pit Location Map**, and detailed in the attached **Figure 6. Disturbance & Reclamation List**.

-
- The total estimated disturbance for the twenty (20) prospect pits is 0.088 acres for a total of 664.4 yd³ of excavated material.
 - Please see attached **Figure 7. Prospect Pit Construction Techniques** and the detailed narrative below.

Secondary Operation Stage: Bulk Sample Pit Construction Summary

- Prospect pits that contain viable mineralization will be converted into a bulk sample pit.
- A bulk sample pit location will contain an adjacent tailings/recycle pond or the bulk sample pit itself will be used as a tailings/recycle pond to minimize disturbance if pay horizons can be stacked alongside of the pit.
- Bulk sample pits that do not contain viable auriferous gold mineralization will be reclaimed concurrent with prospecting and exploration.
- Tailings/recycle pond reclamation will occur after suspended solids have had sufficient time for suspended solids to settle and the pond can be safely reclaimed.
- Only one bulk sample pit and tailings/recycle pond will be active at any one time.
- The total estimated disturbance for each bulk sample pit & tailings/recycle pond location will be 0.72 acres for a total of 5,902 yd³ of excavated material.
- The size and scope of the bulk sample pit are detailed in the attached **Figure 6. Disturbance & Reclamation List** and are illustrated in the attached **Figure 8. Bulk Sample Pit Construction Techniques**. Please also see the detailed narrative below.

Secondary Operation Stage: Bulk Sample Testing Summary

- Pay horizons excavated from the bulk sample pit will be processed utilizing an excavator that will feed pay material into a small, slick-plate fed, test sluice box with a spray bar.
- Start-up water will be sourced from an embayment created from nearby permitted creek sources utilizing a small 4" portable trash pump with a maximum flow rate of 200-300gpm.
- Start-up water will be discharged into a tailings/recycle pond where water will be 100% recycled until pay horizons from the bulk sample pit are exhausted.
- The sluicelox / spray bar layout will allow for an output of ~200-250gpm with an anticipated daily production rate of 10-20 yd³ per day.
- The total useable volume of the U-shaped tailings pond will be approximately ~1,689 yd³ with a total of 1.07 acre-feet of water capacity
- With an anticipated total tailings aggregate volume of ~711 yd³ and although tailings will be bailed out of the pond after daily operations, the total volume of start-up water discharged into the pond will be less than ~4ft (978 yd³ or <0.606 acre-feet) to accommodate for the volume of both the anticipated ~711 yd³ of tailings and impounded start-up water necessary for the processing of the pay horizon.
- Details of the testing layout are illustrated in the attached **Figure 9. Testing Equipment Layout & Operation** and are detailed in the narrative below.

Narrative for Figure 7. Prospect Pit Construction Techniques

Prospect pits will be built by an excavator equipped with a thumb, in areas where geologic factors have indicated strong mineral potential and constructed in such a way that topsoil, brush, and organics will be segregated from underlying mud, muck, and sample material to allow for correct backfilling and reclamation procedures.

An area of approximately 16 feet by 12 feet ~ 0.004 acres (or smaller) will first be stripped of topsoil, brush, and organic material (~2 ft deep; 14.2 yd³) and stockpiled on top of undisturbed surface organics adjacent to the stripped area. Prospect pits will be excavated within this stripped area and will be approximately ~9 feet long by ~6 feet wide.

Prospect pits will be wider at the top than at the bottom to accommodate for ground instability above the sample horizon. Material excavated from the prospect pit will be stacked alongside the prospect pit on top of the stripped area separated from the organic material stockpile to be used as backfill to reclaim the prospect pit. Depths of prospect pits will vary depending on geological and other factors and are estimated to be around ~9 feet in depth totaling ~18 yd³ of excavated mud/muck for each prospect pit. Once target depths are reached, a small sample (~3' x 3' x 3'; ~1.0 yd³) will be excavated and stacked for access to be tested via conventional gold panning.

Prospect pits will be reclaimed concurrent with exploration if deemed uneconomical for future expansion into a bulk sample pit and will remain open for a maximum of 7 days. The prospect pit will be backfilled first with the remaining sample material, followed by mud/muck and the surface will be reshaped to blend with the surrounding physiography. The segregated topsoil, brush piles and organics will be spread over the reclaimed stripped area last to promote stabilization of moisture and natural plant growth and revegetation.

Narrative for Figure 8. Bulk Sample Pit & Tailings/Recycle Pond Construction Techniques

Bulk samples will be taken to test whether newly discovered auriferous prospect pits validate the operational plan for the prospect area. A thumbed excavator, a small test sluice box and small water pump will be used to test the prospect.

Figure 8 has four diagrams that detail the bulk sample test and includes: A) Plan map of the pit, pad & pond area; B) X-section of the pond; C) X-section of the pit; and D) a long section across the pit, pad & pond.

Please also see the attached **Figure 6. Disturbance/Reclamation List** for details on dimensions and volumes expected for the bulk sample test.

Estimated stratigraphic sections along auriferous benches within the prospect areas are anticipated to consist of ~9ft of mud and muck that overly a very thin layer of gravel laying on top of bedrock, where bulk sample pits are estimated to be a total of ~12ft deep.

An area of approximately ~120 feet by 260 feet (totaling 0.716 acres) will first be stripped of topsoil, brush, and organic material (~2 ft deep; ~2,312 yd³) and stockpiled on top of undisturbed surface organics adjacent to the stripped area for proper future reclamation procedures.

Within this stripped area, a 80' x 80' x 12' bulk sample pit (with ~9ft of excavated mud/muck of ~2134 yd³ and ~3ft of ~712 yd³ of pay horizon) and pit drain (260' x 8' x 12' ; ~ 924 yd³) will be excavated near the bulk sample pit. A U-shaped, 80' x 80' x 9'

tailings & water recycle pond (~ 2134 yd³) will also be excavated ~80 feet downstream from the bulk sample pit. The area in between the pit & pond will serve as a working pad & access to service the test area.

Excavated mud/muck & tailings will be: 1) stacked adjacent to the pit & pond separate from stockpiled organics to be used for future reclamation; 2) will serve as berm material for water / tailing impoundment surrounding & within the recycle pond; and 3) used to develop a pad area in between the pit & pond.

The U-shaped tailings & water recycle pond is designed to allow suspended solids and fines to settle within the impounded water that will be 100% recycled for testing pay horizons. The tailings pond total excavated useable volume of ~1,689 yd³ with an anticipated tailings aggregate volume of ~711 yd³.

A total of 5,902 yd³ of mud/ muck & pay gravel will be excavated from the pit, pond, and drain.

Bulk sample pits, tailings pond, and pad area deemed uneconomical for future expansion will be backfilled first with washed tailings and the remaining stockpiled mud/muck and washed tailings. The surface will be reshaped to blend with the surrounding physiography. The segregated topsoil, brush piles and organics will be spread over the reclaimed stripped area last to promote stabilization of moisture and natural plant growth and revegetation.

The tailings/recycle pond will be monitored until all suspended solids have had sufficient time to settle and the pond can be safely reclaimed in a manner that protects downstream water quality and will either be returned to natural surface contours or left in a stable configuration. Perimeter berms and stockpiled muck, mud and tailings will be backfilled into the pond and banks will be sloped, graded and covered with stockpiled organic overburden. A shallow, seasonal pond will be left to promote rapid natural vegetation and to provide potential habitat benefit **(please also see Figure 10.**

Reclamation Long Section.)

Narrative for Figure 9. Testing Equipment Layout & Operation

Potential pay horizon material will be processed through a sluice box with an apron feed (slick plate) setup that will be fed by a 316FL excavator and washed with a 4" trash pump and spray bar utilizing 100% recycled water that will be initially impounded within the tailings/recycle pond before operations begin.

Start-up and/or make-up water will be drawn from permitted water withdraw locations via a small embayment created adjacent to nearby creek sources ~100ft from the mining area. The embayment will be situated outside of the main creek channel flow and will be naturally dammed with rocks and moss to create an area of slower water to reduce the risk of high intake velocities and potential entrainment of any juvenile fish into the screened intake.

A 4" portable water pump will be placed ~10ft from the embayment and a 4" hard suction hose equipped with a 1/4" diameter screened intake will be placed within the embayment where start-up water will be drawn at an intake velocity no greater than <0.5 ft/sec. Pump speeds will be regulated to maintain this suitable draw rate, where the pump has a capacity of ~200-300gpm at the suction end.

Start-up water will be discharged into the previously constructed tailings/recycle pond with ~100ft of 4-inch lay-flat hose until suitable water has been impounded to begin

processing. The U-shaped tailings impoundment, created to recycle start-up water and allow for time to settle suspended solids will have a total excavated useable volume of ~1,689 yd³ with an anticipated tailings aggregate volume of ~711 yd³. Although tailings will be bailed out of the pond as needed, the total volume of start-up water discharged in the pond will be less than ~4ft (978 yd³ or 0.606 acre-feet) to accommodate for the volume of both the anticipated tailings and impounded water necessary for the processing of the pay horizon.

Once suitable start-up water has been impounded the portable pump setup will be moved to draw water from the tailings/recycle pond and discharged through a water spray-bar located at the apron feed head of the sluice box to begin processing of pay horizon material. The spray bar will be set up to allow for an output of ~200-250gpm where the anticipated daily production rate of 10-20 yd³ per day will occur until the pay horizon has been exhausted.

Reclamation

The primary objective for all disturbance-related activities planned under this APMA is to conduct those activities using reasonable measures that allows for proper reclamation after those areas are deemed unnecessary for current or future operations that will:

- 1) reduce future erosion and encourage vegetative regrowth;
- 2) reduce the potential for siltation in adjacent streams and wetlands;
- 3) limit contamination of soils, vegetation and water systems with hazardous materials such as fuel and oil;
- 4) protect fish and wildlife in the area; and
- 5) restore the area to its original conditions prior to operation, as reasonably possible.

Access Trail Reclamation Summary

All new or reopened access trail improvements not required for future exploration will be reclaimed concurrent with exploration or maintained as erosionally stable trails that will be graded and water-barred to mitigate erosion where appropriate for continued exploration access.

Once prospecting and sampling is completed and those areas are deemed not required for use in future exploration seasons, the trails will be reclaimed as the sites are vacated.

Prospect Pits & Bulk Sample Pit Reclamation Summary

Prospect pits and bulk sample pits will be backfilled and the surface reshaped to blend with the surrounding landscape. Stockpiled topsoil, brush, stumps and other organics will be spread over the contoured area to promote stabilization of moisture and natural plant growth and revegetation.

Tailings & Recycle Pond Reclamation Summary

Tailings/recycle ponds will be monitored until all suspended solids have had sufficient time to settle and the pond can be safely reclaimed in a manner that protects downstream water quality and will then either be returned to natural surface contours or left in a stable configuration. Perimeter berms and stockpiled muck, mud, and tailings

will be backfilled into the pond and banks will be sloped, graded and covered with stockpiled organic overburden. A shallow, seasonal pond will be left to promote rapid natural vegetation and to provide potential habitat benefit.

General Reclamation Procedure Summary

- Reclamation will be conducted concurrently with exploration and testing operations where practicable to minimize the duration of exposed disturbed ground;
- Existing disturbed areas, where available, such as old trails or previously mined ground, will be utilized to reduce new surface disturbance;
- All topsoil and brush will be stripped, segregated, and stockpiled for future reclamation use, and will not be buried beneath overburden, mud, or broken rock;
- Disturbed areas, including pits and settling ponds, when no longer needed for operations, will be backfilled and recontoured to approximate original surface contours where practicable, eliminating unsafe highwalls and over-steepened slopes to reduce erosion and encourage vegetative regrowth;
- Stockpiled overburden and topsoil will be redistributed over backfilled and recontoured disturbed areas to promote natural revegetation and long-term site stability;
- Natural drainage patterns will be maintained or re-established to the extent practicable, preventing erosion, ponding, or uncontrolled channelization to minimize sedimentation and prevent siltation of adjacent streams, wetlands, and other surface waters;
- All solid waste, debris, and unused materials will be removed from the site upon completion of operations;
- Fuel, oil, and other hazardous materials will be stored, handled, and removed, and all fuel storage areas will be decommissioned to prevent contamination of soils, vegetation, and water resources;
- Reclaimed areas will be monitored during the active field season for stability and erosion, and corrective measures will be implemented if necessary.

Previous Exploration Disturbance

Areas within the GR claim group and adjacent lands contain evidence of historical mining and exploration activities dating from early operations (circa 1915–1960s) and more recent work conducted under a prior APMA in the 1990s. These activities resulted in pre-existing surface disturbance, including old dozer trails, prospect pits, and localized areas of ground disturbance.

Based on site observations and review of available aerial imagery, much of the historical disturbance within the project area has naturally revegetated, with a majority of previously disturbed areas now partially to substantially overgrown. The proposed activities under this APMA will, to the extent practicable, utilize these previously disturbed areas to minimize new surface disturbance.

Any existing equipment, materials, or structures observed within the project area are remnants of prior operations and are not associated with the current operator or this APMA. No ownership or responsibility for such materials is assumed under this authorization.

Summary of New Exploration-related Disturbance

Exploration activities proposed under this APMA will result in limited, short-term surface disturbance associated with prospect pit excavation, potential bulk sample pit development, and access trail improvements.

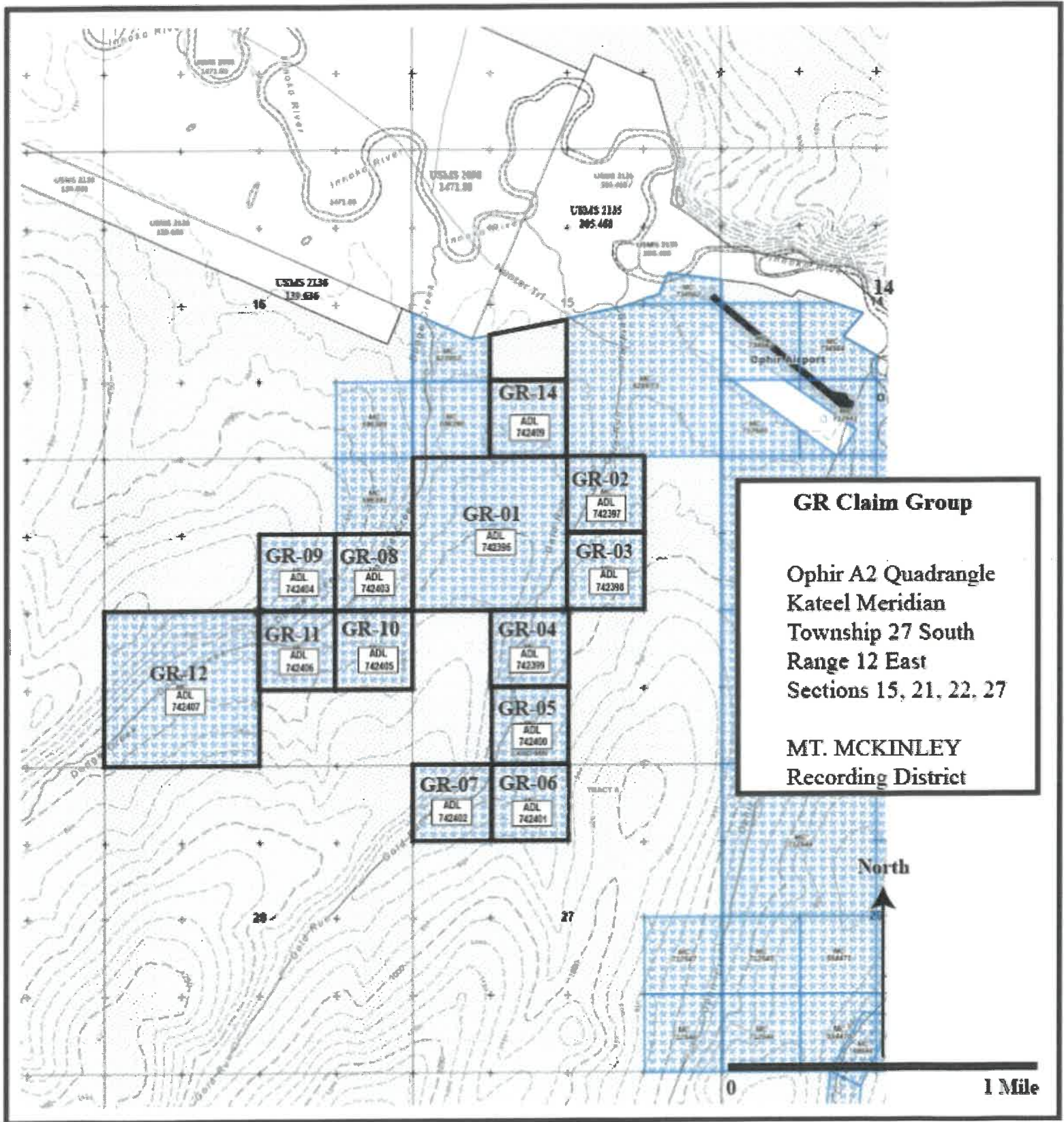
A total of twenty (20) prospect pits are proposed, resulting in an estimated total disturbance of approximately 0.088 acres and 664.4 cubic yards of excavated material. Prospect pits will be small in size, short in duration, and reclaimed concurrently if determined to be non-viable.

If warranted by results, one (1) bulk sample pit and associated tailings/recycle pond may be developed at a time. Each bulk sample pit location is estimated to disturb approximately 0.716 acres, with a total of approximately 5,902 cubic yards of excavated material. Only one bulk sample operation will be active at any given time to limit the extent of disturbance.

Minor access trail improvements are proposed to facilitate access to target areas. The total estimated disturbance associated with trail construction is approximately 1.44 acres, assuming a total length of approximately 5,225 feet and a trail width of approximately ~12 feet.

The total cumulative surface disturbance associated with all proposed exploration activities is estimated to be approximately ~2.24 acres. Disturbance will be minimized through the use of existing trails and previously disturbed areas wherever practicable, and all disturbed areas will be reclaimed in accordance with the reclamation plan described herein.

Site photos and a summary of exploration and reclamation activities, including access trails, prospect pits, and bulk sample pits, will be included in Annual Reclamation Statements submitted to the Alaska Department of Natural Resources (ADNR) following each field season.



MINERAL PROPERTIES LIST
Exploration Activities & Access
State of Alaska, Mt. McKinley Recording District
Ophir A2 Quadrangle, Kateel Meridian

Planned Activity	NAME	ACRES	ADL #
Access	USMS 2135	305.468	USMS 2135
Prospect Pit, Access	USMS 2098	1471.88	USMS 2098
Prospect Pit, Access	GR-01	160	742396
Prospect Pit	GR-02	40	742397
Prospect Pit	GR-04	40	742399
Prospect Pit	GR-05	40	742400
Prospect Pit	GR-07	40	742402
Prospect Pit	GR-08	40	742403
Prospect Pit	GR-10	40	742405
Prospect Pit	GR-11	40	742406
Prospect Pit	GR-12	160	742407
Access	GR-14	40	742409

*** GR-01 Amended January, 2026 to include revised claim map

Planned Activity	NAME	ACRES	ADL #
No Planned Use	GR-03	40	742398
No Planned Use	GR-06	40	742401
No Planned Use	GR-09	40	742404

Figure 3: Exploration Target Areas & Access Route

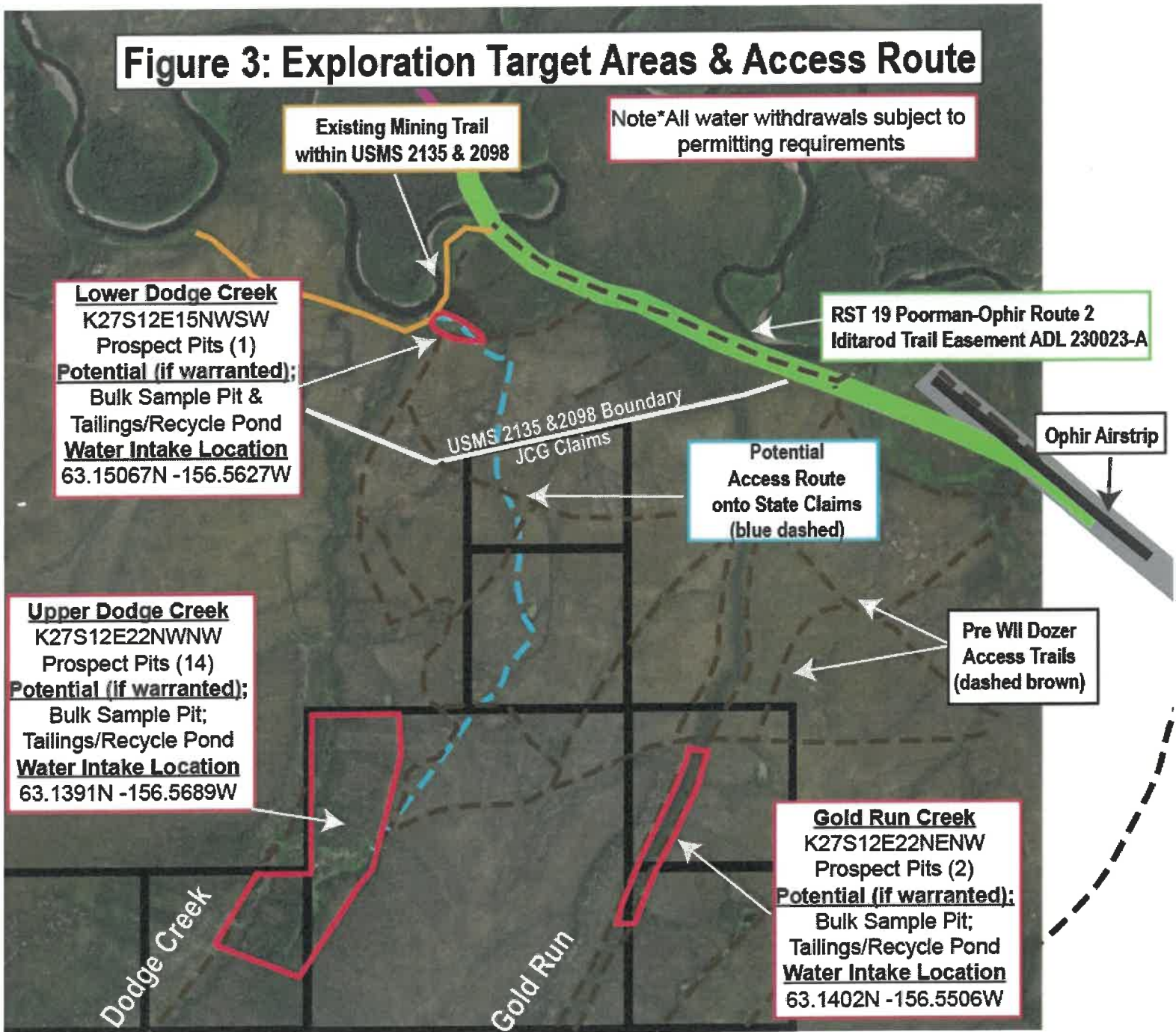


Figure 5. Prospect Pit Location Map

**Not all prospect pits will be excavated;
locations represent potential test sites**

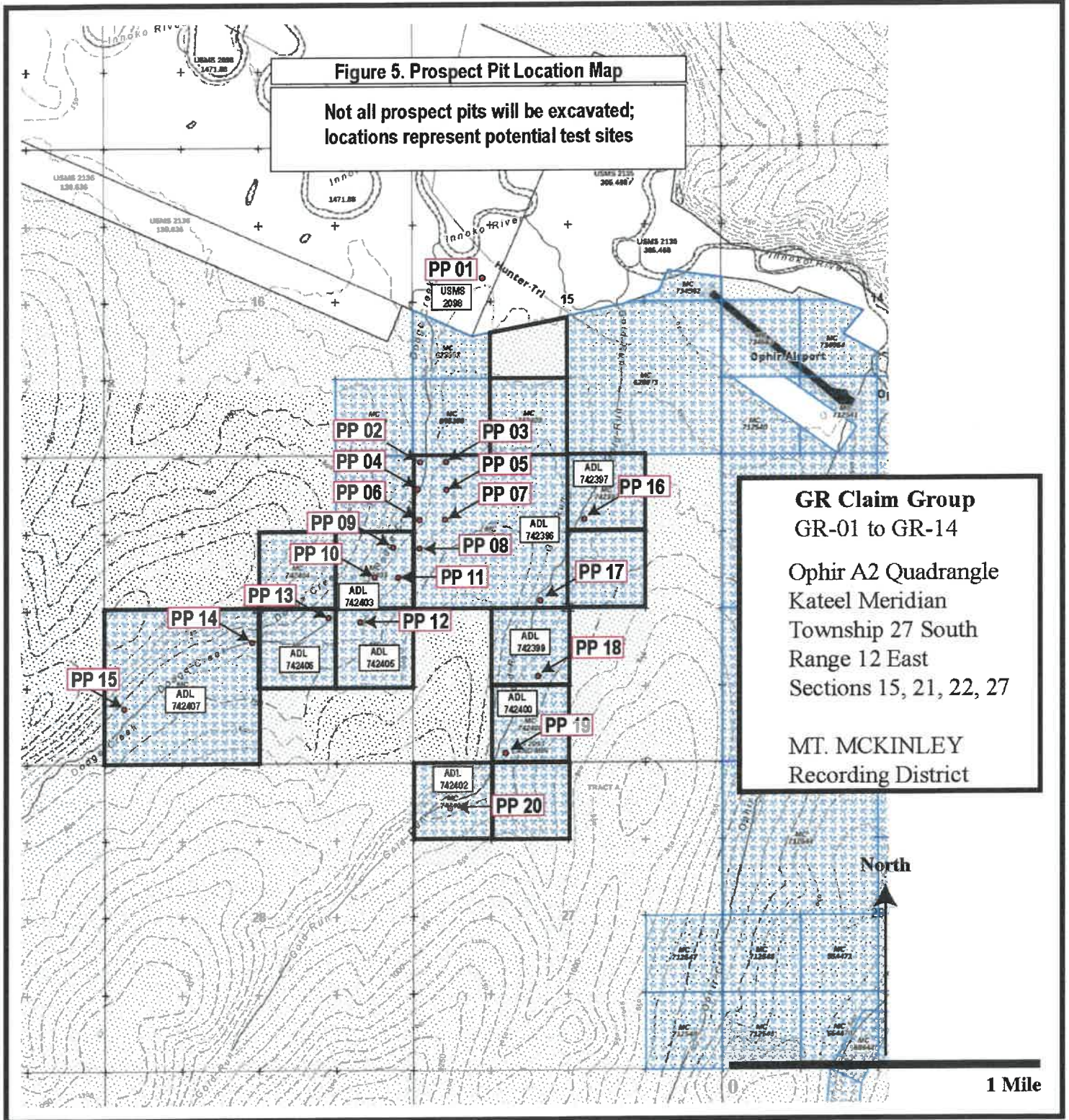


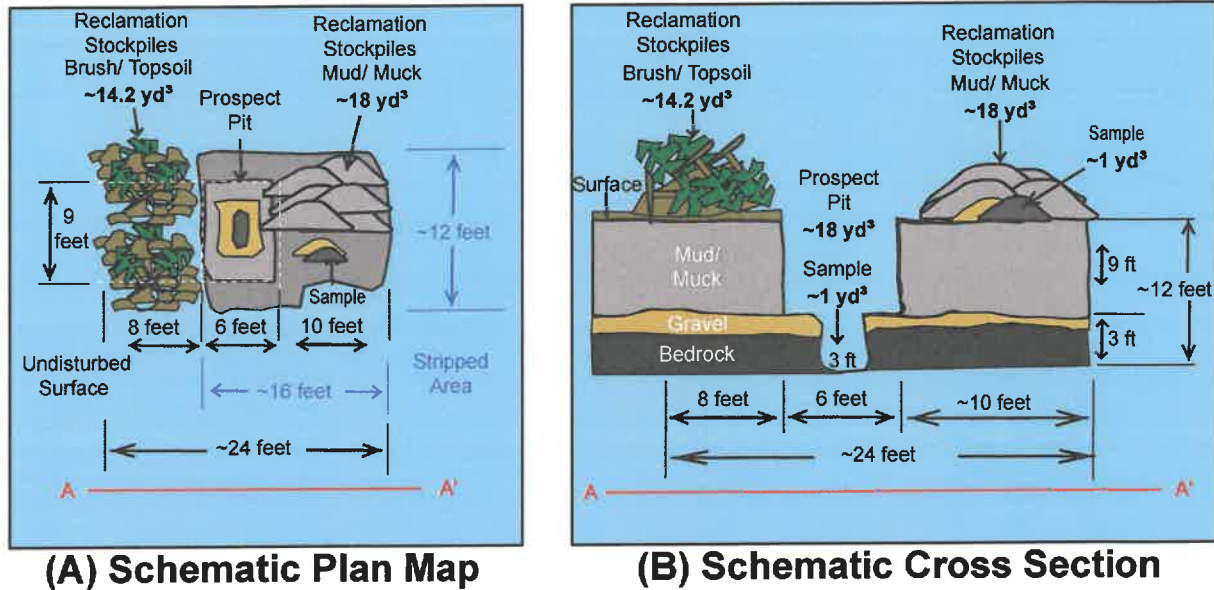
Figure 5b. Prospect Pit Location List

Drainage	Target Area	Prospect Pit ID	ADL/USMS #	Claim ID
Dodge Creek	Lower Dodge	PP 01	USMS 2098	USMS 2099
Dodge Creek	Upper Dodge	PP 02	ADL 742396	GR-01
Dodge Creek	Upper Dodge	PP 03	ADL 742396	GR-01
Dodge Creek	Upper Dodge	PP 04	ADL 742396	GR-01
Dodge Creek	Upper Dodge	PP 05	ADL 742396	GR-01
Dodge Creek	Upper Dodge	PP 06	ADL 742396	GR-01
Dodge Creek	Upper Dodge	PP 07	ADL 742396	GR-01
Dodge Creek	Upper Dodge	PP 08	ADL 742396	GR-01
Dodge Creek	Upper Dodge	PP 09	ADL 742403	GR-08
Dodge Creek	Upper Dodge	PP 10	ADL 742403	GR-08
Dodge Creek	Upper Dodge	PP 11	ADL 742403	GR-08
Dodge Creek	Upper Dodge	PP 12	ADL 742405	GR-10
Dodge Creek	Upper Dodge	PP 13	ADL 742406	GR-11
Dodge Creek	Upper Dodge	PP 14	ADL 742407	GR-12
Dodge Creek	Upper Dodge	PP 15	ADL 742407	GR-12
Gold Run	Gold Run	PP 16	ADL 742397	GR-02
Gold Run	Gold Run	PP 17	ADL 742396	GR-01
Gold Run	Gold Run	PP 18	ADL 742399	GR-04
Gold Run	Gold Run	PP 19	ADL 742400	GR-05
Gold Run	Gold Run	PP 20	ADL 742402	GR-07

**Figure 6.
Disturbance/Reclamation List**

Disturbance Type	Disturbance ID	Material Type	Length (ft)	Av. Width (ft)	Acres	Avg. Depth (ft)	Volume Cu.ft	Volume Cu.yd	
Lower Dodge Prospect Pit (1) PP-01	Total Stripping	Brush / Topsoil	16	12	0.004	2	384	14.2	
	Excavated Material	Mud / Muck	9	6	n/a	9	486	18.0	
	Sample	Gravel/Bedrock	3	3	n/a	3	27	1.0	
	Total Pits	1			Total Acres x 1	0.004	Total Volume x 1	33.2	
Upper Dodge Prospect Pit (14) PP 02 to PP 15	Total Stripping	Brush / Topsoil	16	12	0.004	2	384	14.2	
	Excavated Material	Mud / Muck	9	6	n/a	9	486	18.0	
	Sample	Gravel/Bedrock	3	3	n/a	3	27	1.0	
	Total Pits	14			Total Acres x 14	0.062	Total Volume x 14	465.1	
Gold Run Prospect Pit (5) PP 16 to PP 20	Total Stripping	Brush / Topsoil	16	12	0.004	2	384	14.2	
	Excavated Material	Mud / Muck	9	6	n/a	9	486	18.0	
	Sample	Gravel/Bedrock	3	3	n/a	3	27	1.0	
	Total Pits	5			Total Acres x 5	0.022	Total Volume x 5	166.1	
Test Pit Total Acreage (20 Prospect Pits)				0.088	acres				
Test Pit Total Excavated Material (20 Prospect Pits)				664	cuyd				
Disturbance Type	Disturbance ID	Material Type	Length (ft)	Av. Width (ft)	Acres	Avg. Depth (ft)	Volume Cu.ft	Volume Cu.yd	
Removed Overburden (stockpiled) Total Acreage Pit + Pond + Drain Area	Overburden Strippings	Brush/Topsoil	260	120	0.716	2	62,400	2,311.1	
Bulk Sample Pit 80ft x 80ft x12ft ~9ft mud/muck ~3ft pay horizon	Mining Pit	Mud/Muck	80	80		9	57,600	2,133.3	
		Pay	80	80		3	19,200	711.1	
	Total Pit						57,600	2,133.3	
Tailings & Recycle Pond 80ft x 80ft 9ft	Tailings & Recycle Pond	Mud/Muck	80	80	0.147	9			
							Excavated Pit & Pond *Mud/Muck Only	4,266.7	
Pond Internal Berm	Pond Internal Berm	Berm_Long	60	20		10	12,000	444.4	
	***Internal berm volumes are for U-shaped pond volume calculations; berms are constructed from excavated material and is shown for pond geometry and water volume calculations only							Total Useable Internal water volume (U-shaped)	1,688.9
Pit Drain	Mining Pit Drain	Mud/Muck	260	8		12	24,960	924.4	
							Total Pit Drain	924.4	
Bulk Sample Total Acreage				0.72	acres				
Total Excavated Material Mud/muck (pit/pond/drain) + pay)				5,902	cuyd				
Overburden Stripping (stockpiled)				2,311	cuyd				
Disturbance Type	Disturbance ID	Material Type	Length (ft)	Av. Width (ft)	Acres	Avg. Depth (ft)	Volume Cu.ft	Volume Cu.yd	
Access Trail_Private Land	USMS 2135, 2098	Overburden	1475	12	0.406	2	35,400	1,311.1	
Access Trail_State Land	GR-13,14,01	Overburden	3750	12	1.033	2	90,000	3,333.3	
Access Trail Total Acreage				1.44	acres				
Access Trail Total Overburden Stripping (stockpiled)				4,644	cuyd				
					Acres			Volume Cu.yd	
Totals	Total Estimated Disturbance (All Activities)				2.24			11,211	

Plan of Operations Figure 7. Prospect Pit Construction Techniques



Planned Operation

Prospect pits will be built by an excavator equipped with a thumb, in areas where geologic factors indicate strong mineral potential and constructed in such a way that topsoil/brush/organics will be segregated from underlying mud, muck, and sample material to allow for correct backfilling and reclamation procedures.

(A) An area of approximately 16 feet by 12 feet ~ 0.004 Acres (or smaller) will first be stripped of topsoil, brush, and organic material (~2 ft deep; 14.2 yd³) and stockpiled on top of undisturbed surface organics adjacent to the stripped area. Prospect pits will be excavated within this stripped area and will be approximately ~9 feet long by 6 feet wide. Material excavated from the prospect pit will be stacked alongside the prospect pit on top of the stripped area separated from organic material stockpile to be used as backfill to reclaim the prospect pit.

(B) Prospect pits will be wider at the top than at the bottom to accommodate for ground instability above the sample horizon. Depths of prospect pits will vary depending on geological and other factors & estimated to be around ~9 feet in depth totalling ~18 yd³ of excavated mud/muck. Once target depths are reached, a small sample (~3' x 3' x 3'; ~1.0 yd³) will be excavated and stacked for access.

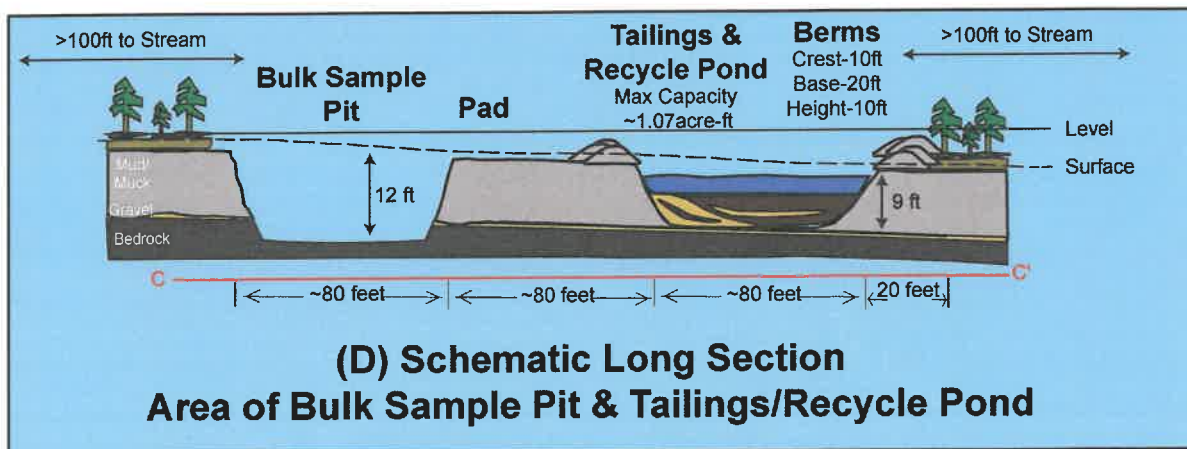
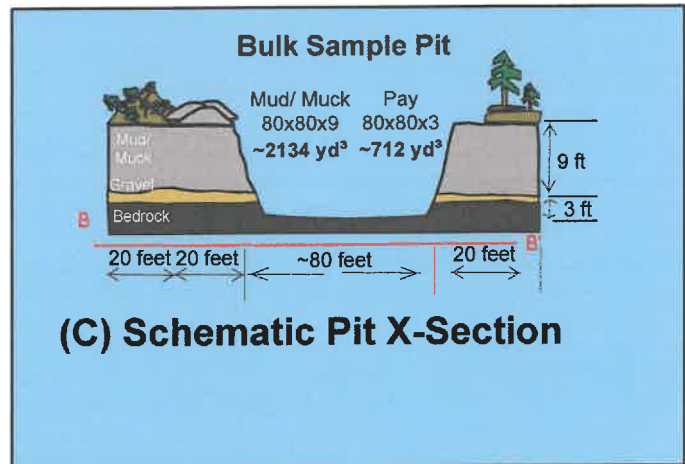
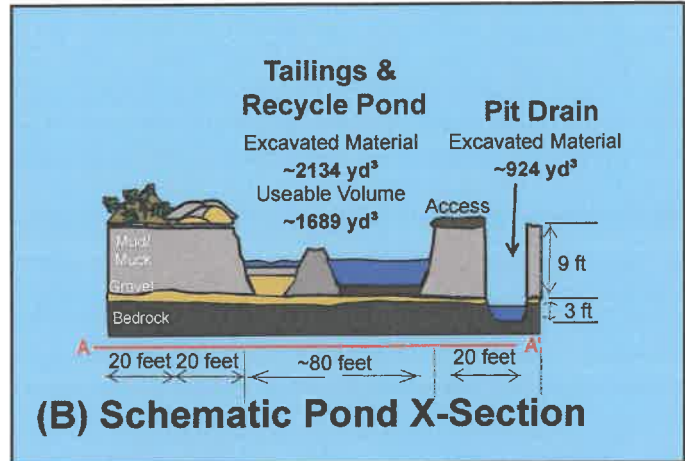
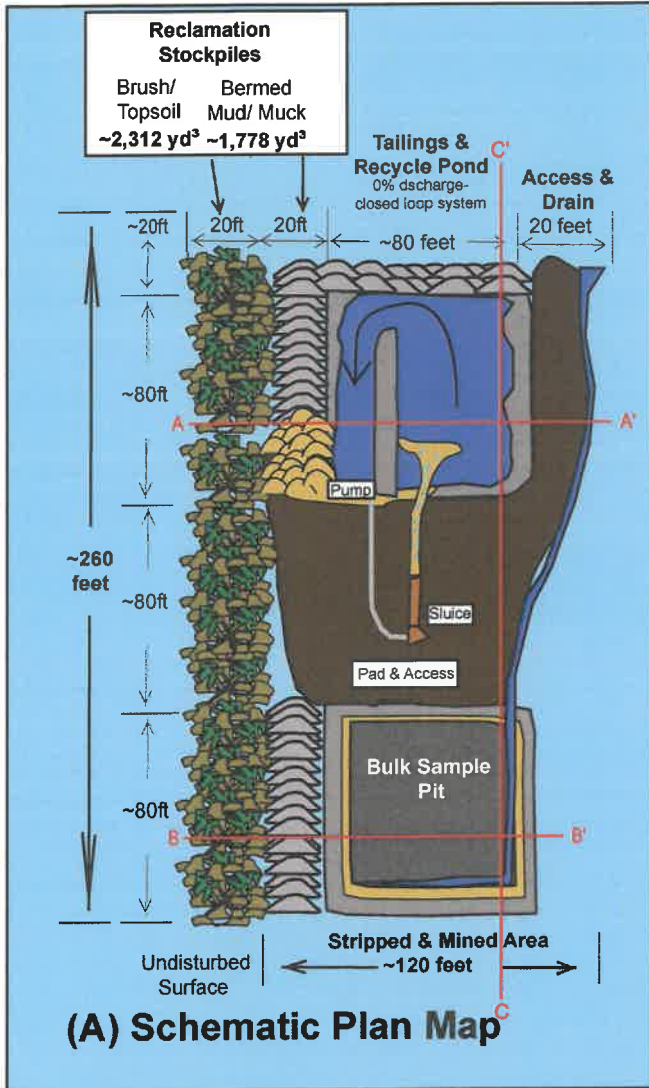
Reclamation Procedures

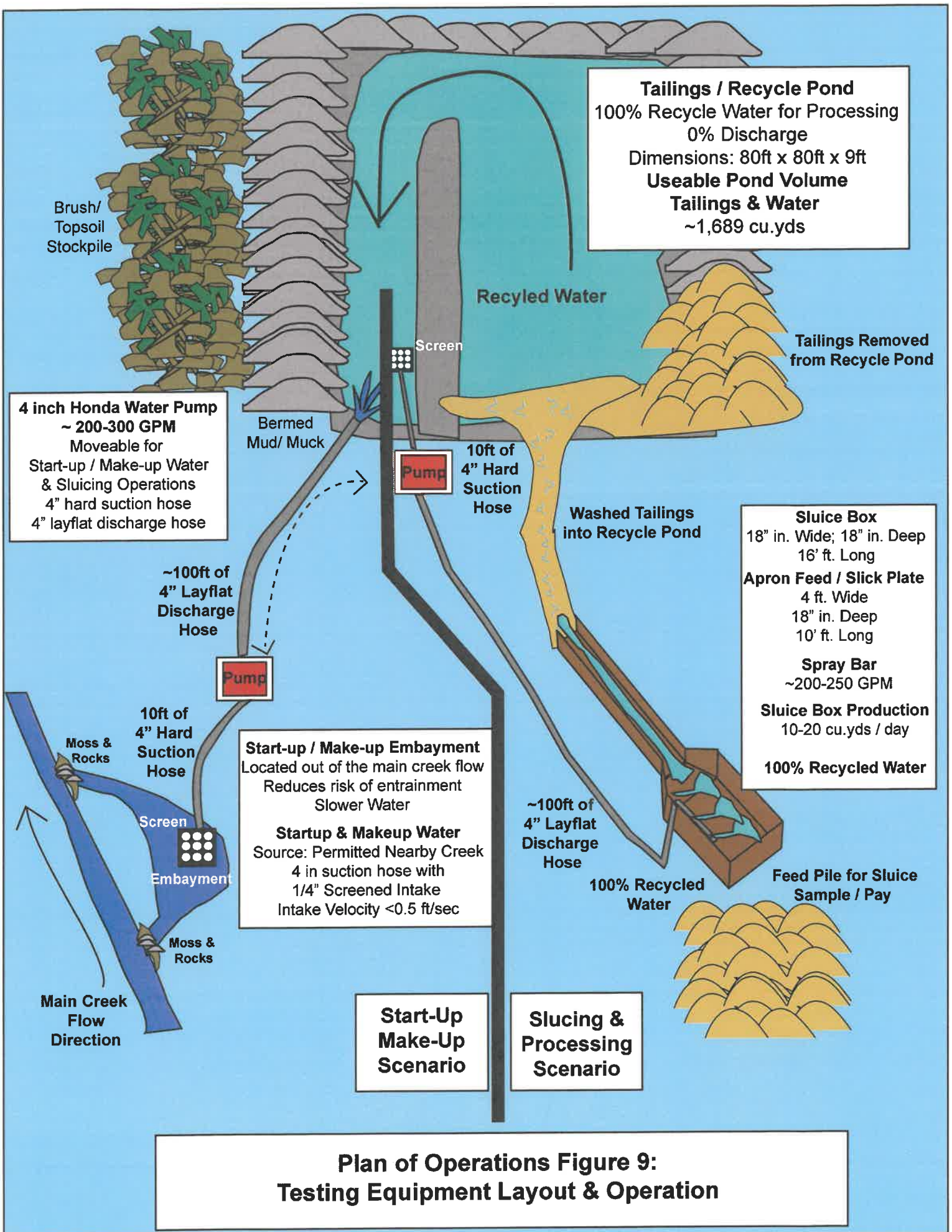
Prospect pits will be reclaimed concurrent with exploration if deemed uneconomical for future expansion into a bulk test pit. The prospect pit will be backfilled first with the remaining sample material, followed by mud/muck and the surface will be reshaped to blend with the surrounding physiography.

The segregated topsoil, brush piles and organics will be spread over the reclaimed stripped area last to promote natural plant growth and revegetation.

Plan of Operations Figure 8.

Bulk Sample Pit & Tailings/Recycle Pond Construction Techniques

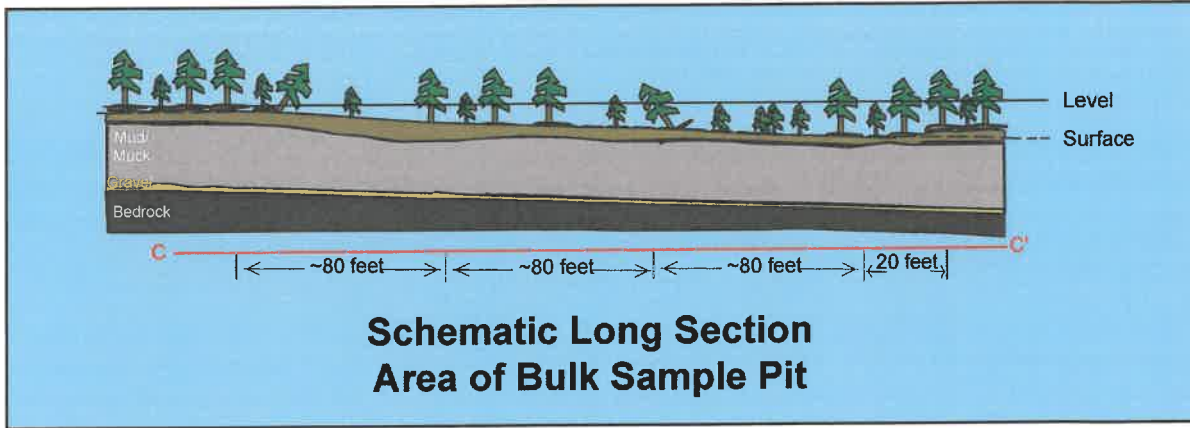




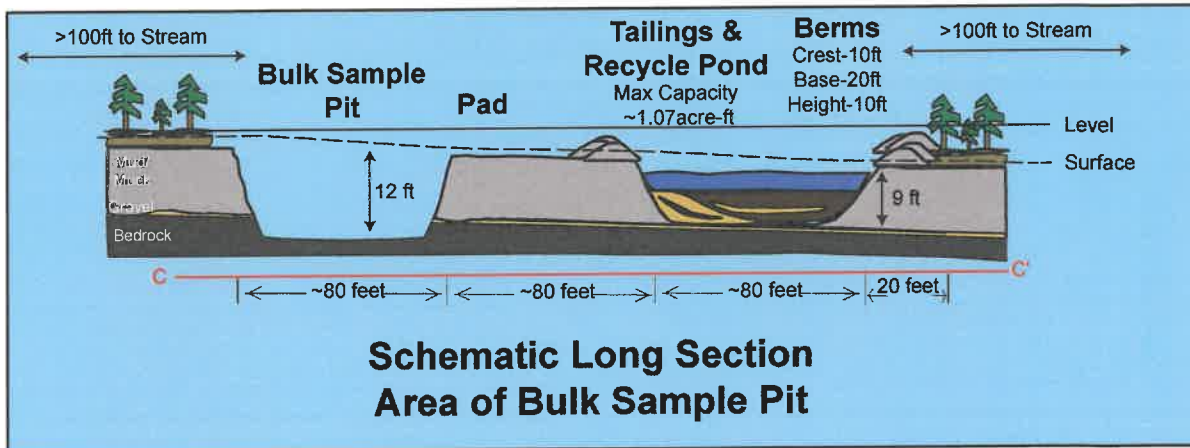
CROSS SECTION SKETCH *REQUIRED

(30)

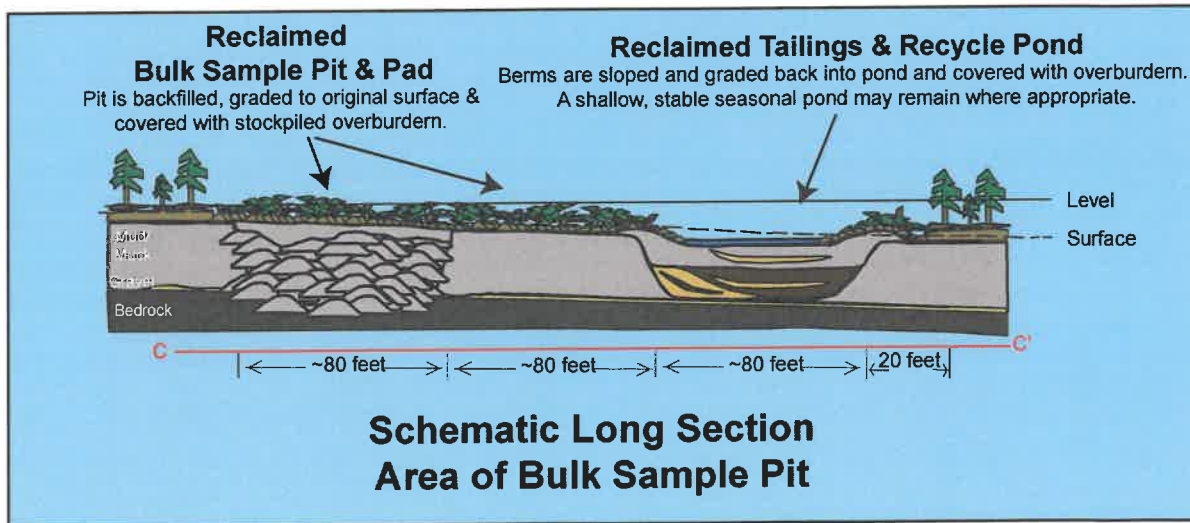
BEFORE ACTIVITY



DURING ACTIVITY



AFTER ACTIVITY



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

Operator/Company Name: JCG Properties & Exploration Corp.													
APMA: 3101	Corps permit # (for this APMA):												
Waterway: Dodge Creek	Date:												
Landscape Information:													
<p>A history of fire in a watershed may influence the presence of wetlands at a site. Has this watershed been burned by fire? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/></p> <p>If yes, when?</p>													
<p>Has your site been previously mined? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/></p> <ul style="list-style-type: none"> • If yes, how recently? Last APMA closed in 1997. Area includes historic mining approx. 1915-1960s • What methods were used? Conventional sluice box, nozzle, loader, dozer • Was it reclaimed? Approx. ~80%? of the historical disturbance has naturally revegetated • Were there stream diversions? No known long term stream diversions remain • Are you only processing old tailings? No • Identify any previously disturbed areas on a copy of your plans, or aerial photo. 													
Aerial Photo:													
<p>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.</p>													
Site photographs:													
<p>Provide site photograph(s) that show</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> The valley and landforms at your site <input checked="" type="checkbox"/> Stream photos where mining will occur: Including upstream and downstream view of the stream, the banks, and the floodplain. <input checked="" type="checkbox"/> Vegetation types at various places at your site where mining will occur. <input checked="" type="checkbox"/> 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:													
<p>Vegetation: What vegetation is found at your site, in mined and unmined areas? (Check all that apply.)</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td><input checked="" type="checkbox"/> Stunted spruce</td> <td><input checked="" type="checkbox"/> Willow shrubs</td> <td><input type="checkbox"/> Sedge or cottongrass</td> </tr> <tr> <td><input checked="" type="checkbox"/> Other spruce</td> <td><input checked="" type="checkbox"/> Alder shrubs</td> <td><input type="checkbox"/> Shrubby tundra</td> </tr> <tr> <td><input type="checkbox"/> Cottonwood</td> <td><input checked="" type="checkbox"/> Birch</td> <td><input type="checkbox"/> Aspen</td> </tr> <tr> <td><input type="checkbox"/> Other</td> <td></td> <td></td> </tr> </table>		<input checked="" type="checkbox"/> Stunted spruce	<input checked="" type="checkbox"/> Willow shrubs	<input type="checkbox"/> Sedge or cottongrass	<input checked="" type="checkbox"/> Other spruce	<input checked="" type="checkbox"/> Alder shrubs	<input type="checkbox"/> Shrubby tundra	<input type="checkbox"/> Cottonwood	<input checked="" type="checkbox"/> Birch	<input type="checkbox"/> Aspen	<input type="checkbox"/> Other		
<input checked="" type="checkbox"/> Stunted spruce	<input checked="" type="checkbox"/> Willow shrubs	<input type="checkbox"/> Sedge or cottongrass											
<input checked="" type="checkbox"/> Other spruce	<input checked="" type="checkbox"/> Alder shrubs	<input type="checkbox"/> Shrubby tundra											
<input type="checkbox"/> Cottonwood	<input checked="" type="checkbox"/> Birch	<input type="checkbox"/> Aspen											
<input type="checkbox"/> Other													

Soils: What is the depth of non-pay overburden? est. 9-12 feet

<input checked="" type="checkbox"/> Organic material (muck or peat) <u>est. 9</u> feet	<input type="checkbox"/> None
<input checked="" type="checkbox"/> Gravel <u>est. 3</u> feet	<input type="checkbox"/> Depth to bedrock <u>est. 12</u> feet

Hydrology:

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

YES NO How deep is unfrozen material over permafrost? 1-3ft below surface

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)

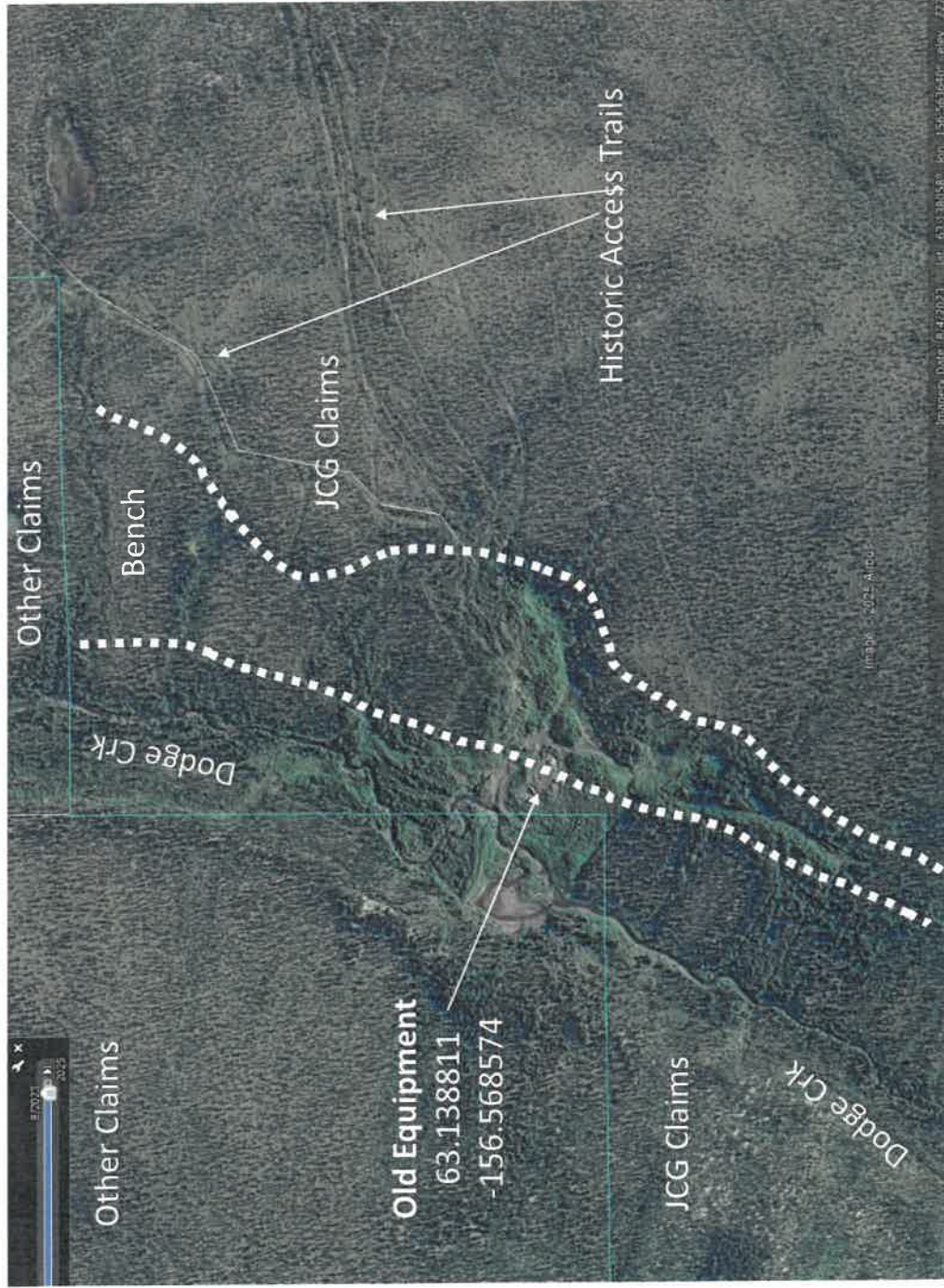
Notes: No mining operations have been conducted on the project area to date. Please refer to the detailed narrative and figures provided in the APMA application.

Initial work will consist of prospecting across the claim group. Not all prospect pits will be excavated during the first season, and exploration may occur over multiple seasons. A single bulk sample location may be developed during the 2026 season if warranted.

The operator is familiar with local soil and permafrost conditions. Permafrost is commonly present in the area, typically encountered approximately 1–3 feet below surface organics, particularly in shaded or poorly drained areas.

Soil profiles generally consist of organic material overlying silt and gravel, with weathered bedrock at depth. Representative site photographs and nearby exposures will be provided..

Site Photos for USACE Attachment 1: Site Description



Upper Dodge Creek Target Area
 please see narrative and figures included with the APMA proposal.

Google Earth Image of previously mined area at Upper Dodge

Excavator would make systematic test pits within the white dashed lines and along and creek.

Projected 5-year mine footprint is estimated to occur within this bench area

Previously mined area has been naturally revegetated approximately 80%.

There are remaining tent frames and mining equipment left on site.

View to the NE across Dodge Creek
in the foreground and the bluffs
located to the North of Ophir



View to the South across Dodge
Creek in the foreground and the
Upper Dodge Creek Prospect Area



Dodge Creek

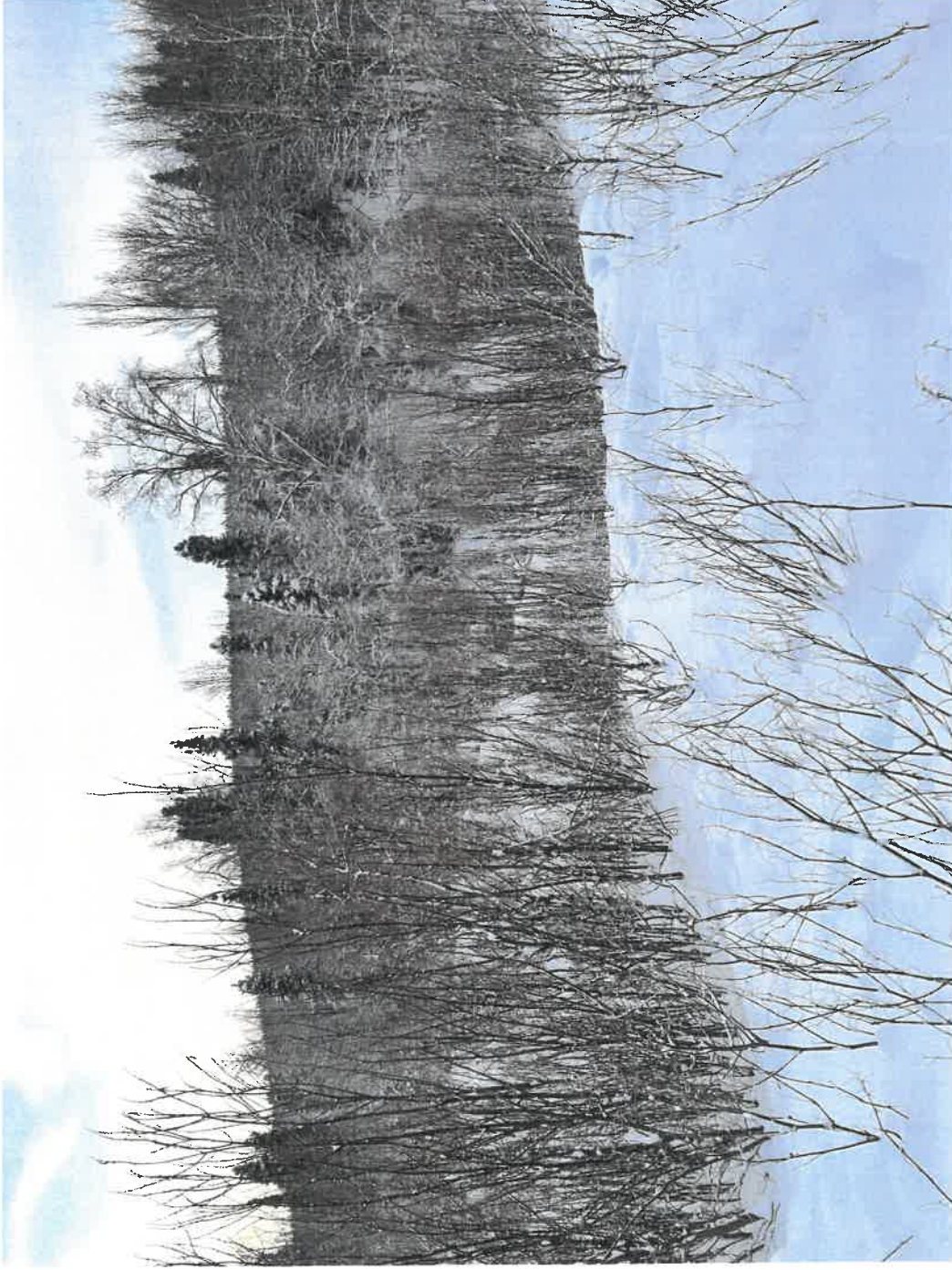
View to the West across Dodge
Creek in the foreground taken from
previously mined area



View to the South West across
Dodge Creek in the foreground
taken from previously mined area



View to the South of revegetated
previously mined area in Upper
Dodge Creek





Photographs of work performed for the State of Alaska DOT road maintenance by the operator during 2025. This is ditch work along the road easement from Takotna to Ophir. Typical slightly frozen muck beneath approximately 12 inches of surface vegetation in areas with black spruce.

Mud/Muck thickness for the project area is estimated at ~9ft and overlying thin gravel layers laying directly on top of slate bedrock within all of the target areas listed in the APMA proposal.



Black Spruce

Gravel & Slate
Bedrock stockpile

Photographs of work performed for the State of Alaska DOT road maintenance by the operator during 2025.

This is ditch work along the road easement from Takotna to Ophir.

Similar vegetation as previous image yet vegetation is directly overlying gravel and slate bedrock.

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

Operator/Company Name: JCG Properties & Exploration Corp.		
APMA: 3101	Corps permit # (for this APMA):	
Waterway: Dodge Creek	Date:	
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? Prospect Pits first, then Bulk Sample, Please see APMA	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Can you conduct some activities, such as mobilization or exploration, in winter?	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
Can your project be accomplished without building a road? Access Trail Plan, see APMA	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
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 <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Are you working on a bench or other area located at a distance from a stream?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
If your project requires stream crossings, can it be accomplished with fewer crossings?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Can your project be accomplished without building a stream diversion?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Based on the boxes that you checked, describe how you will avoid impacts to wetlands or streams: Please see narrative and figures with the APMA. Project footprint is limited to only those areas necessary for exploration and bulk sampling. Existing disturbed corridors, including historic trails and prior workings, will be utilized where practicable to reduce new surface disturbance. Prospect pits will be completed prior to bulk sampling to further limit disturbance. Work areas will be confined within disturbance footprint and equipment travel confined to the designated access route. Stream crossings will be avoided where possible, and no channel diversions are proposed.		
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? Reclamation Concurrent with Exploration	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
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),		

<p>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?</p>	<p>YES <input checked="" type="checkbox"/> NO <input type="checkbox"/></p>
<p>Have you considered use of erosion control methods to be used during all phases of mine operation and during periods of shut down?</p>	<p>YES <input checked="" type="checkbox"/> NO <input type="checkbox"/></p>
<p>Describe what you will do to manage erosion at your site: please see narrative and figures with the APMA.</p> <p>Sediment-laden water will be contained and treated within a constructed settling pond prior to any release. The pond design includes internal berming (U-shaped configuration) to increase retention time and improve sediment capture efficiency. Direct discharge of turbid water into adjacent waters and wetlands will be prevented through controlled flow paths and pond retention. Water will be reused within the system to the maximum extent practicable, creating a largely closed-loop process. Disturbed areas will be stabilized as work progresses to minimize erosion potential.</p>	
<p>Water management:</p> <p>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.</p>	<p>YES <input checked="" type="checkbox"/> NO <input type="checkbox"/></p>
<p>Describe or sketch what you will do for water management at your site: Please see figures and narrative in the APMA. Water will be pumped using a portable pump and routed through the processing/sluice system into the settling pond for reuse, creating a largely closed-loop system. Intake, if sourced from surface waters, will be screened in accordance with State of Alaska and ADF&G requirements. Discharge, if necessary, will only occur after adequate settling to minimize turbidity and prevent downstream impacts.</p>	
<p>Riparian Area Management:</p> <p>Have you contacted the Alaska Department of Fish & Game to confirm what type of stream is at your site?</p> <p>Person contacted: _____ Date: _____</p> <p>Have you considered: the types of vegetation present, potential for salvage, transplant, or regrowth? Regional growing seasons and recovery rates?</p>	<p>YES <input type="checkbox"/> NO <input checked="" type="checkbox"/></p> <p>YES <input checked="" type="checkbox"/> NO <input type="checkbox"/></p>
<p>Describe or sketch what you will do to manage the riparian area at your site:</p> <p>Riparian areas will be avoided to the extent practicable. Disturbance within riparian zones will be minimized and limited to necessary access or water management activities. Existing vegetation will be preserved where possible, and equipment will be kept out of riparian areas except where required. No long-term alteration of stream channels or banks is proposed.</p> <p>Any temporarily disturbed riparian areas will be reclaimed following completion of work, including redistribution of stockpiled organics and stabilization to promote natural revegetation consistent with surrounding conditions. Project design maintains natural drainage patterns and minimizes impacts to riparian habitat.</p>	

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:

Please see narrative and figures within the APMA proposal.

Reclamation will occur concurrently with and following completion of exploration activities. All disturbed areas, including prospect pits, bulk sample areas, access trails, and the settling pond, will be regraded to approximate original contours and stabilized. Stockpiled organics and topsoil will be redistributed over disturbed areas to promote natural revegetation. Drainage patterns will be restored to pre-disturbance conditions where practicable, and erosion will be controlled to prevent sediment transport.

The settling pond will be allowed to dewater naturally, and accumulated sediments will be stabilized. The pond area will then be recontoured and blended into the surrounding terrain. No long-term impoundments or structures will remain following reclamation. The overall objective is to return the site to a stable condition consistent with surrounding landforms and to prevent erosion or sediment transport.

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.

<input checked="" type="checkbox"/>	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.
<input type="checkbox"/>	Option B – Permittee Responsible Mitigation will be conducted.
<input type="checkbox"/>	Option C – Compensatory Mitigation will be addressed with either submittal of an In-Lieu Fee or purchase of credits from an approved Mitigation Bank.

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>Paul Sayer & Francine Sayer</u> , OWNER of mineral property(s): List all mineral properties by their casefile number (ADL/AKFF/USMS) or legal description (MTRS). <u>USMS 2135 USMS 2098 USMS 2136</u>	Check Type of Mineral Property(s) State ADL Federal AKFF/AKAA <input checked="" type="checkbox"/> USMS MTRS (Native Lands)
(Attach additional sheet if necessary) Have authorized <u>JCG Properties & Exploration Corp. & Jesse Grady</u> Address of Operator <u>410 Carhart Loop Po Box 7508 Takotna, Alaska 99675</u> to operate on these claims from <u>05/01/2026</u> to <u>05/01/2036</u> Owner's Signature <u>Francine Sayer</u> Date <u>3/4/26</u> <u>Paul Sayer by Francine Sayer POA</u>	

NOTARY

Subscribed and sworn to before me this 4th day of Mar., 2026.

For (owner)

(Signature of Notary) April Bugg

My commission expires: Feb. 9, 2030

Notary Public
APRIL BUGG
 State of Alaska
 My Commission Expires FEBRUARY 9, 2030

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). _____ _____ _____	Check Type of Mineral Property(s) 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: