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

☐ Single Year _____ ☑ Multi-year Start: 1/1/2027 Finish: 12/31/2031 APMA Number (A/F/J,Year,****) 3003

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

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

Surface estate of mineral properties: *REQUIRED (2)

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

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

Name: Chris Kennedy, Vice President of Operations
Primary Phone Number: 907-370-2110
Address: Contango Lucky Shot Alaska, LLC.
516 2nd Avenue, Ste 401; Fairbanks, AK 99701
Secondary Phone Number:
Email: chris.kennedy@contangoore.com
Click here for the Department of Commerce Link
Alaska Business/Corporation Entity# 2206731
Registered Agent (Corp./LLC/LP) Corporation Service Co.

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)	Average Number of Workers: *REQUIRED (8)	Start-Up/Shut Down: (Month/Day) (9)
Luckiy Shot	8	Year Round to _____.

Mining District:*REQUIRED (10)	Applicable USGS Map(s):*REQUIRED (11)	On What Stream Is This Activity? (12)
Willow	Anchorage D-7	N/A

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

Mine: T20N, R1W SM; Section 34 SW 1/4; Section 35 S1/2;
T19N R1W SM; Sec 2; N 1/2
Note, Maintenance and travel will occur on the public Willow Fishook Road

Internal Use Only:

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

MINERAL PROPERTIES LIST (14)

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

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

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

	ADL/BLM/USMS #	PROPERTY NAME		ADL/BLM/USMS #	PROPERTY NAME
1.	ADL 645944	LS 14	7.	ADL 651699	LS 54
2.	ADL 645945	LS 15	8.	ADL 651700	LS 55
3.	ADL 645946	LS 16	9.	ADL651701	LS 56
4.	ADL 645931	LS 1	10.		Associated private patented claims
5.	ADL 645932	LS 2	11.		
6.	ADL 645933	LS 3	12.		

INVENTORY OF EQUIPMENT (15)

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

	Make, Model, Type, Size, Purpose of Equipment or Pump	Quantity of this type	Check One: Located on the claim block?	Check One: Transporting to claim block?
1.	See Attachment			
2.				
3.				
4.				
5.				
6.				
7.				
8.				

ACCESS TO THE CLAIM BLOCK (16)

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

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

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

State ☑ City/Borough ☐ Federal ☐ Private ☐

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

☑ All season Road (These are public easements maintained by municipal, borough, private, or state funds for year round use). List road(s) to claim block: Willow Fishhook Road

☐ Existing Route or a RST/ RS 2477 Easement with a mineral base surface.
If the RST/ RS 2477 Easement(s) has a State of Alaska number, please list:_____

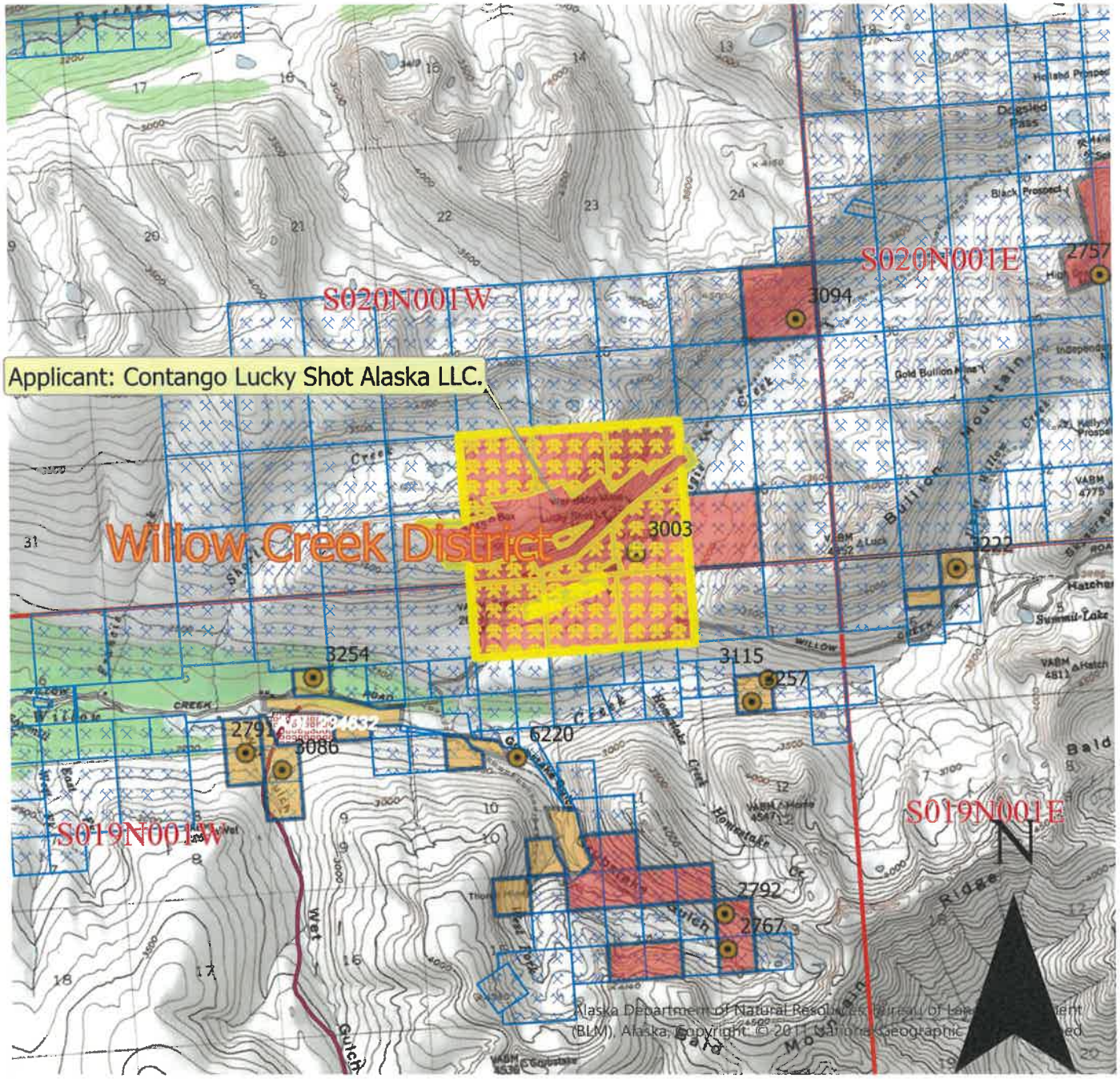
☐ Navigable Waterway

☐ Aircraft Supported

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

Road(s) ☑ Helicopter Pad ☐ Airstrip ☐ No Improvments or Construction Proposed ☐

APMA 3003 Active Area



This map was created on 11/19/2026 by the Alaska Department of Natural resources as a courtesy to supplement the application received. This map displays a graphical illustration only. Source documents remain the official record.

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Scale: 1:63,360

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

0 0.75 1.5 Miles

Center: 149°24'58"W 61°46'35"N

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:

Access is via the Willow Fishhook Road. Some maintenance an winter plowing will occur in consultation with DOT.

A access map **MUST** be submitted with your application. Topographic maps at a scale of 1"=1 mile must clearly indicate the proposed access route from start to finish, location of proposed construction activities, and appropriate legal descriptions (township and range) on each map sheet. Paper size should be limited to 8 ½" x 11". Do not tape maps together.

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

See individuals in listed on Page 1

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

See attachment; Note: There is no cross-country travel

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

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

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

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

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

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

Are you transporting fuel? ☐ Yes ☐ No

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

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

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

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

ACCESS TO CLAIM BLOCK CONTINUED (16)

Does your travel include the staging or storage of equipment or structures off the claim block? ☐ Yes ☑ No

If Yes, describe the location and dimensions of the long term or short term parking and/or storage areas.

PETROLEUM PRODUCT STORAGE (17)

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

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

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

At least two individuals who are part of of the project team have spill response training. There is also spill response equipment on site.

Further, not storing large quantities of fuel is a a mechanism to minimize risk.

Quantitiy Petroleum Products to be Stored on the Project Site?

☑ 0-1,320 gallons of total storage (Secondary Containment recommended, but not required)

☐ 1,321-10,000 gallons of total storage (count only containers with a capacity of 55 gallons or greater). A self-certified Spill Prevention, Control, and Countermeasure (SPCC) plan is required and applies to all products, such as diesel fuel, gasoline, lube oil, hydraulic oil and waste oil. The self certified SPCC form can be downloaded at: https://www.epa.gov/oil-spills-prevention-and-preparedness-regulations/tier-i-qualified-facility-spcc-plan-template.

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

Indicate Distance Stored From Flowing Waters: > 1,000 Feet. (Minimum distance from naturally occurring water bodies required by DNR is 100 feet).

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

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

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

TEMPORARY STRUCTURES/FACILITIES (18)

Is a camp or placement of *any* temporary structure requested? ☒ Yes ☒ No
If "No", Please explain See attachment. Structures only on private, patented 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: See attacchment

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

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

☐ Request to place **new** temporary structures, list ADL(s): See attachment
☐ 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			See attachment			
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):
2 Porta Potties (See attachment)

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.
All solid waste is stored and disposed off-site at a permitted landfill.

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: >1,000.
Will there be any use of animals (horses, dogs, goats/sheep, etc)? ☐ Yes ☑ No

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

MINING METHOD (19)

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

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

Not applicable

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

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

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

PLACER EXPLORATION DRILLING AND TEST PITS (20)

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

Test Pits: ☐ **Yes** ☐ **No**

Estimated number of pits to be excavated: _____. How long will the test pit be open if not converted into an active mine cut? _____.

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

Placer Drilling: ☐ **Yes** ☐ **No**

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

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

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

EXPLOSIVES (21)

Will explosives be used? ☑ Yes ☐ No If "Yes", Indicate: Type: Anfo, Stick Powd Amount: ground cond. dep. ___.

Explosive Handler's Certification/ATF Permit Numbers: ATF license number is 4-WV-077-24-7F-00667

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

WATER ENTRAPMENT See attachment (22)

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

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

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

What is the purpose of the water use? ☐ Makeup water pond ☐ Settling/recycle pond ☐ Stream diversion Other_____

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

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

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

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

If on a hillside, Approximately how many feet is the water storage above the valley floor_____ft

IN-STREAM ACTIVITIES and STREAM CROSSINGS (23)

List any equipment (refer to Box 15 if necessary) that will be crossing streams (including low-water crossings along established trails/roads) or used in any natural waterbody or used in-stream:

There are no stream crossings. See attachment for discussion pump locations.

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.							
2.							
3.							
4.							
5.							

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

WATER USE AUTHORIZATIONS

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

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

Name & Location of Water Source(s): Note: Existing TWUA F2021-118 expires 12/31/2026

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

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

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

Provide the geographic name or locally know name of water Source. *(Recycle/settling ponds, creek, stream, well, etc.)* If requesting a stream reach, clearly identify the entire stream reach on a legible map.	Meridian	Township	Range	Section(s)	Start-Up Water and/or Make-Up Water? Check each applicable box.
	See attachment for Lat/Longs				
Example: Unnamed Creek	F	3N	3W	20	Start-Up X Make-Up X
1. Craigie Creek	SM	19N	1W	2	Start-Up ☑ Make-Up ☑
	Latitude:			Longitude:	
2. Two Unnamed Ponds (see attachment)	SM	20N	1W	34	Start-Up ☑ Make-Up ☑
	Latitude:			Longitude:	
3. Undergroun Workings	SM	20N	1W	35	Start-Up ☑ Make-Up ☑
	Latitude:			Longitude:	
4.					Start-Up ☐ Make-Up ☐
	Latitude:			Longitude:	
5.					Start-Up ☐ Make-Up ☐
	Latitude:			Longitude:	

WATER USE AUTHORIZATIONS CONT. (24)

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

Geographic Name of Water Source *(Same as sources Above).* Describe the water use information for each source. For recycle/settling pond system complete Section C.	**Diversion (gpm/cfs)**	**Withdrawal Rate (gpm/pump)**	**Number of Pumps**	**Hours per Day**	**Days per Month**
1. Craigie Creek		150	1	24	All
2. Unnamed Ponds		60	1	24	All for 200 days
3. Underground Workings		200	7	24	All
4. See attachment for timing and limits					
5.					

C. Recycle/Settling Pond System This system will also need to be listed as a water source in Section A. This entire pond system counts towards the 5 sources allowed per ~~TWUA~~. Provide Length (L), Width (W), and Depth (D), of each pond. Beaver ponds or similar nature made impoundments will not be permitted for use as settling ponds.	**Withdrawal Rate (gpm/pump)**	**Number of Pumps**	**Hours per Day**	**Days per Month**	**Additional Notes:**
	200	7	24	All	From underground workings
	Pond # 1: L:___ ft W:___ ft D:__ft			Pond # 2: L:___ ft W:__ft D:___ ft	
	Pond # 3: L:___ ft W:___ ft D:__ft			Pond # 4: L:___ ft W:___ ft D:___ ft	

D. Camp Water Uses Provide information on camp water uses. If an ADEC public drinking water system is used, please attach certificate to operate and/or associated documents.	**Maximum # of People in Camp**	**Withdrawal Rate (gpm/pump)**	**Number of Pumps**	**Hours per Day**	**Days per Month**	**Source(s) of Water** Well, Haul, Stream, Spring, Lake Source(s) will count towards the 5 sources identified in Section A.
	Additional Notes:					

WATER USE AUTHORIZATIONS CONTINUED

(24)

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

See water source #2 above, and the attachment for details.)

D. SUCTION DREDGING.

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

TIMBER CLEARING AND USE

(Operations on State Lands Only)

(25)

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

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

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

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

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

Describe the amount of timber to be used for the mining or development of the location or lease and the clearing methods you will use.

Are more than 40 acres of timbered area(s) to be cleared? ☐ Yes ☐ No

11 AAC 86.145. "A classification or designation indicating that timber and other forest products of significant value are included within a mining property is prima facie evidence that the land on which the property is located is considered to be "timberlands" for purposes of AS 38.05.255"

WASTEWATER DISCHARGE PERMIT APPLICATION (26)

All mechanical placer mine, suction dredge, and mechanical dredge operations that discharge to a water of the U.S. require an Alaska Pollutant Discharge Elimination System (APDES) permit from DEC. See Cover Pages for a list of APDES permit fees.

Operations wishing to discharge under the APDES Small Suction Dredge General Permit (dredges with intake diameters of 6" or less, or highbankers) may skip this section but must complete annual online registrations, including $25 fee payments, at https://dec.alaska.gov/water/edms.

Previously issued DEC-APDES Wastewater discharge permit #:_____

Do you want this APMA to act as an application or renewal for any of the following APDES general permits (GPs)*:

Mechanical Placer Miners GP (open-cut terrestrial operations): ☐ Yes ☐ No

Medium-Size Suction Dredge GP (nozzle diameter greater than 6" to 10"): ☐ Yes ☐ No

Norton Sound Large Dredge GP (nozzle diameter greater than 10" or mechanical dredge): ☐ Yes ☐ No

Waterbody the discharge flows directly into, or would potentially flow: _____

Approximate coordinates of mine site:

Latitude: _____ Longitude: _____

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

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

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

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

If a mixing zone is requested, provide the following:

Coordinates of discharge location: Latitude: _____ Longitude: _____.

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

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

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

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

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

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

Signature of Responsible Party: _____.

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

Business Name (if applicable) - Printed: _____.

SECTION 404 WETLANDS PERMIT

JURISDICTIONAL DETERMINATION (CORPS JD) and MITIGATION STATEMENT

All Placer Mining applicants are required to contact the Corps of Engineers for submittal requirements.

A complete application for a Department of the Army (DA), U.S. Army Corps of Engineers (Corps) Section 404 permit includes a description of project impacts (contained in the APMA), a Jurisdictional Determination (JD) and a Mitigation Statement. The applications for the JD and the Mitigation Statement are contained in two Corps Supplements, which may be attached to this APMA. The Supplements may be downloaded from the Corps and DNR websites, or obtained directly from a Corps office in paper copy, by email, or mail. Please contact the Corps to determine what supplements are required.

The Supplements are available at: **https://www.poa.usace.army.mil/Missions/Regulatory/Placer-Mining/**

Corps Supplement, Attachment 1, Jurisdictional Determination: Attachment 1 must be filled in and submitted to the Corps for **all new placer applications (New and Existing Operations).** Photos of your mine site are required. Your JD will be valid for five years. Your photos will be used only for the purpose of conducting an offsite JD.

Corps Supplement, Attachment 2, Mitigation Statement: Alaska District regional mitigation policy for placer mining operations under this General Permit (GP) emphasizes avoidance and minimization of impacts; **compensatory mitigation is not required**. However, by regulation, a Mitigation Statement covering measures for avoidance, minimization, and compensatory mitigation, or, a reason why compensatory mitigation is not proposed, must be submitted to the Corps with each new APMA for projects that impact waters of the U.S.

Note: the Corps of Engineers has previously reviewed this project and the consultant's investigation, and determined that there are no jurisdictional wetlands within the project boundary.

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

Latitude: _____ Longitude: - _____

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

Please list Corps permits previously issued for this site: POA- 2009 - 411 , 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:

_____

Print Name Signature Date

STREAM DIVERSION AND CULVERTS (28)

A MAP OF COMPLETE STREAM DIVERSION IS REQUIRED: The map MUST show the entire length of the diversion (i.e., where the water is diverted from the natural stream channel to where it returns to the natural stream channel) with start and end locations clearly marked. Pending on the scale of the proposed diversion, additional maps, construction details, and a stream reclamation plan may be requested in addition to this section after initial review. Operations on BLM lands that are proposing a stream diversion are encouraged to contact their local field office as early as possible in the permitting process due to additional requirements. **Contact ADF&G, Habitat Section for Fish Habitat Permitting information regarding diversion requirements.**

Please note: A stream diversion structure may also qualify as a dam and be subject to the Alaska Department of Natural Resources Dam Safety Program per definitions provided in AS 46.17.900(3). If you require further regulatory guidance regarding dams, please contact our Dam Safety and Construction Unit, Dam Safety Engineer at (907) 269-8636, or for more information go to the Alaska Dam Safety Program website at: http://dnr.alaska.gov/mlw/water/dams/

Is Stream Diversion Required? ☐ **Yes** (if **Yes**, complete information below). ☑ **No**

Stream Name:_____

☐ Existing (Date Constructed_____) ☐ To Be Constructed (Date_____)

Diversion Start/upstream Location (Lat/Long)_____

Diversion End/Downstream Location (Lat/Long)_____

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

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

☐ Annually reclaimed/returned to natural stream ☐ Maintained throughout mine life

Dimensions of existing stream in diversion area:

Length _____(ft) Top Width___(ft) Bottom Width___(ft) Depth ___(ft) Floodplain Width_____(ft)

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

Dimensions of proposed diversion:

Length_____(ft) Top Width___(ft) Bottom Width___(ft) Depth___(ft) Floodplain Width_____(ft)

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

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

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

Are culverts being installed in any natural water-body or diversion structures? Yes/No _____
If yes include culvert locations, sizes and length on a map or table.

HARDROCK EXPLORATION TRENCHING and DRILLING (32)

(Indicate target and trenching locations on sketch sheet and/or topographic map)

Trenching: ☐ Yes ☑ No

Estimated number of trenches to be excavated: _____. How long will trenches be open? _____.

Average Size: Length: _____ Ft. Width: _____ Ft. Depth: _____ Ft.

Drilling: ☑ Yes ☐ No Type of Drill(s) Used: See attachment

Total Number of Holes ≤ 15 Diameter of Drill Rod/Casing Rod: See attachment (NQ/HQ/H,Etc.)

Drilled: Estimated Maximum Depth: < 500 feet Indicate how many pumps per water source: 1

Will water be used? ☑ Yes ☐ No

Water source name(s): Two unnamed lakes, see attachment

Describe detailed drill plan, closure, plugging methodology, reclamation and abandonment in project narrative.

Trench/Drilling Location and Mining Claim Information			
Trench/Drill ID on Map	ADL/BLM/USMS NUMBER	Decimal Degrees, NAD 83 Datum	
		Latitude	Longitude (approximate)
	See attachment for information		

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

(33)

A narrative of the operation is required. Please attach a written narrative to this application. The narrative should include the information to answer the prompts provided below and include any additional information relevant to the proposed activities.

See Attachment

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

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

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

4.) Describe pad construction and dimensions.

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

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

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

8.) Discuss spill prevention and response plan.

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

10.) Describe how the operation will avoid and/or mitigate potential impacts to fish, wildlife and cultural resources: describe closure, plugging methodology, surface reclamation and abandonment.

2026 ANNUAL RECLAMATION STATEMENT (33)

☐ Placer Mining
☐ Suction Dredging
☑ Hardrock Exploration

APMA # 3003

Complete and return this statement by December 31, 2026. 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, Chris Kennedy hereby file an annual reclamation statement for the 2026 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 2026: <1 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 2026 State _____, Federal _____, Private <1 . (Includes stripped areas, mining cuts, overburden and tailing stockpiles and disposal areas, temporary stream diversions, stream bypasses, and settling ponds.) Federal operators should include area of camp and access roads.

Length 0 feet and Width 0 feet of stream diversion.

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

Total Area reclaimed in 2026: <1 acres.

Total un-reclaimed acres: 0 (This should match "total acreage currently disturbed" on the 2027 Reclamation Plan Form.)

For areas reclaimed, the following reclamation measures were used (check only measures that were used).
You must include photographs or videotapes of the completed reclamation work:

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

Other Reclamation Measures Taken:

There is an explanation that is an addendum to this form (separate from the more general APMA attachment).

☐ Did not operate in 2026 and therefore did not conduct reclamation.

Relationship to Claim(s)
☑ Owner ☐ Lessee ☑ Operator
☑ Agent For: Contango Silver a

Signed Chris Kennedy Date 09/21/2026

Addendum to the
2026 ANNUAL RECLAMATION STATEMENT
Contango Lucky Shot Alaska, LLC

The Lucky Shot Exploration Project conducted surface drilling and underground development during 2026. The volume of material disturbed does not include material disturbed underground. The only material disturbed was a minor amount of material disturbed during surface drilling. That is noted as "<1 cubic yards." Surface drilling occurred in Pads B through F in Figure 1. All was reclaimed. Pictures of the pad reclamation are attached near the end of this application. DNR's "AHEA-Reclamation-Spreadsheet" is being separately submitted as an Excel file and is attached as PDF at the end of this application.

With respect to the unreclaimed acreage, we are not including the privately owned portal pad at the property, which was disturbed when Contango acquired the property (and most of which has been disturbed for more than 45 years). That acreage, on private land, may remain after the project is finished. As it is not currently proposed to be reclaimed (and visually fits with the historic mining in the area), it is not included as unreclaimed acreage.

Please see addendum to this statement on the next page.

2027 RECLAMATION PLAN FORM (HARDROCK EXPLORATION)

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

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

Total acreage currently disturbed: 0 acres. This should match: "Total Unreclaimed Acres" on your 2026 Annual Reclamation Statement for Small Mines, or line #7 on your 2027 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 2027 <5 acres. Total acreage (currently disturbed plus new acres): <5 acres.

Acreage disturbed by land status: 4 State (general) _____ State (Mental Health) _____ Private <1 Federal

Total acreage to be reclaimed in 2027 <5 acres; Total volume of material to be disturbed in 2027: 10,000 cubic yards.

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

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

THE FOLLOWING RECLAMATION MEASURES SHALL BE USED:

(These measures are required by law. Those that do not apply may be crossed out; but, an explanation must be given.)

- Topsoil, vegetation, and overburden muck, not promptly redistributed to an area being reclaimed, will be individually separated and stockpiled for future use. This material will be protected from erosion and from contamination by acidic or toxic materials and will not be buried by tailings.
- The area reclaimed will be reshaped to blend with the surrounding area using tailings, strippings, and overburden and be stabilized.
- Stockpiled topsoil, overburden muck, will be spread over the contoured exploration sites to promote natural plant growth such that the area can reasonably be expected to revegetate within five years. Stockpiled vegetation will be spread over topsoils.
- Exploration trenches will be backfilled. Brush piles, stumps, topsoil, and other organics will be spread on the backfilled surface to inhibit erosion and promote natural revegetation. All exploration trenches will be reclaimed by the end of the exploration season in which they are constructed, unless specifically approved by the DMLW (Mining operations are required by law to be reclaimed as contemporaneously as practicable with the mining operation to leave the site in stable condition).
- Shallow auger holes (limited to depth of overburden) will be backfilled with drill cuttings or other locally available material in such a manner that closes the hole to minimize the risk to humans, livestock and wildlife.
- All drill hole casings will be removed or cut off at, or below, ground level. All drill holes will be plugged by the end of the exploration season with bentonite holeplug or equivalent slurry, for a minimum of 10 feet within the top 20 feet of the drill hole. The remainder of the hole will be backfilled to the surface with drill cuttings. If water is encountered in any drill hole, a minimum of 7 feet of bentonite holeplug or equivalent slurry will be placed immediately above the static water level in the drill hole. (NOTE: The operator understands that complete filling of the drill holes, from bottom to top, with bentonite holeplug or equivalent slurry is also permitted and is considered to be the preferred method of hole closure, unless communicated otherwise by DMLW.)
- If artesian conditions are encountered, the operator will take all measures practicable to prevent the offsite discharge of those waters subject to 11 AAC 97.240 and will contact the DMLW for approval of hole plugging measures.
- At closure, all shafts, adits, tunnels, and air vents to underground workings will be stabilized and properly sealed to ensure protection of the public, wildlife and the environment.
- On state lands, all buildings and structures constructed, used, or improved will be removed, dismantled, or otherwise properly disposed of unless the surface owner or manager authorizes that the buildings and structures may stay.
- On state lands, all scrap iron, equipment, tools, piping, hardwear, chemicals, fuels, waste, and general construction debris will be removed or properly disposed of.
- Reclamation measures taken will be consistent with any alternative post mining land use approved by the Commissioner, subject to the provisions of 11 AAC 97.300(h) and the conditions (if any) of an approved reclamation plan.

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

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

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

Chris Kennedy
Printed name (Applicant)

Chris Kennedy
Signature (Applicant)

Relationship to Mineral Property:

☑ Owner ☐ Lessee ☑ Operator
☑ Agent For: Contango Silver & Gc

Date: 09/21/2026

APMA #: 3003

Addendum to the
2027 RECLAMATION PLAN FORM (HARDROCK EXPLORATION)
Contango Lucky Shot Alaska, LLC

In 2027, the Lucky Shot hardrock exploration project may conduct surface drilling on private patented mining claims. The minor disturbance associated with surface drilling is listed as "<1 cubic yard" on the form. This disturbance will be reclaimed concurrent with the activity. It may also relocate a portion of the access road on state land. That is listed as 4 acres and 10,000 cubic yards on the form. As the road provides access to private land, it is not proposed to be reclaimed. Therefore, we checked the box, "Reclamation will be conducted concurrently with activity."

The project is also expanding underground workings. Underground disturbance is not included on the form.

Attachment to Lucky Shot Exploration Project

Multi-Year 2026-2032
APMA Application
September 2026

This attachment accompanies the APMA application 3003. The current APMA expires 12/31/2026. This application requests a five-year renewal.

1. History and Overview

The Willow Creek Mining District and the Lucky Shot vein system have a long and illustrious history, including 5,000 people living in the Craigie Creek valley in the 1930s and the production of more than 650,000 ounces of gold in the first half of the 20th century. However, this history portion of this APMA application documents only the history of APMA 3003.

- On June 21, 2017, DNR approved APMA 3003 to Alaska Gold Torrent, LLC (AGT) to mine the Lucky Shot prospect. AGT's work extended the Enserch Adit but stopped operations before production began.
- On August 25, 2021, Contango ORE completed the purchase of 100% of the outstanding membership interests of AGT including the rights to the Lucky Shot Mine and related mining claims (Figure 1.) AGT changed its name to Contango Lucky Shot Alaska, LLC. In this APMA the "Company" refers to the operator of the prospect, which is Contango Lucky Shot Alaska, LLC. Also, Contango ORE has since become Contango Silver and Gold, Inc.
- The Company assumed the rights and responsibilities under DNR's approved APMA 3003. It did not begin mining but has instead conducted underground and surface exploration to expand the reserve.
- In November 2021, the Company applied to renew APMA 3003. The application described plans for surface and underground mineral exploration. DNR approved the application (date unknown). The company also applied for two amendments that modified the exploration details. DNR approved Amendment #1 on 7/20/2023. It approved Amendment #2 on 4/27/2026. Amendment #3 was a minor amendment to the Temporary Water Use Authorization, which was approved on 6/16/26.
- This APMA are renewal is for continued underground and surface exploration of the prospect.

This APMA Attachment is organized into the following Sections
Section 2. Contact Information
Section 3. Surface Drilling
Section 4. Underground Exploration and Development
Section 5. Portal Pad Facilities
Section 6. Mine Access Road
Section 7. Other Information (including summaries of water use requests, disturbance, and reclamation).

The figures referenced in the APMA Attachment follow the attachment.

2. Contact Information

Chris Kennedy – Vice President of Operations
Contango Silver and Gold, Inc.; (907) 370-2110
516, 2nd Avenue, Suite 401
Fairbanks, Alaska, 99701

For technical information about this APMA, DNR may also contact:

- Alina Wyatt: alina.wyatt@contangoore.com; 907 347-1720; or
- Bob Loeffler: bobl@jadenorth.com; 907-250-4621

3. Surface Drilling

Drilling is proposed from six surface drill pads located in T20N, R01W, Sec 34. The drill pads are located as noted below and are completely within private patented lands as indicated in Figure 1. Up to fifteen holes are planned; however, no more than 5 holes will be drilled from any one pad (Lat/Long NAD83).

- Pad A: 61.7797, -149.4290
- Pad B: 61.7810, -149.4270
- Pad C: 61.7810, -149.4255
- Pad D: 61.7789, -149.4283
- Pad E: 61.7790, -149.4720
- Pad F: 61.7791, -149.4253

The drilling may occur at any time between break-up and freeze-up: approximately April 1 through October 1.

Access. Access to and from the proposed drill sites will be via helicopter.

Drilling. Core drilling will be conducted with an Atlas Copco CS 1000 Diamond Core Drill (or similar). Drilling will be conducted 24 hours a day, 7 days a week. Up to 15 holes are planned with a maximum hole depth of 500 meters.

Water. Water for the drill holes will be taken from two unnamed lakes (Lat/Long NAD83)

- 61.7859, -149.4226
- 61.7864, -149.4196

All downhole water will be supplied by a diesel-operated Bean-Royal 6-60 piston pump (or similar) capable of pumping 60 gpm at 800 to 1,000 psi. The lake sources will use an intake screen with a <0.25 inch mesh and a velocity of ≤0.5 feet per second if the lakes are determined to be fish-bearing. While the drill can pump 60 gpm, the drill will be limited to no more than 28,800 gpd. Drilling water will be discharged to soak back into the ground through a sump beside the drill pad. The project will use water without decreasing the volume of the ponds by more than 25%.

Reclamation Preparation Measures. No topsoil, vegetation, or overburden muck exists at the proposed drill sites.

Drill Sites. Drill pads will be constructed using commercially sourced timbers. Each drill pad will utilize a drill return fluid collection sump (either constructed on site or portable if necessary). The pads will be approximately 20 feet by 20 feet.

Drill Fluid Disposal. Drill return will be channeled into purpose-built drill return fluid collection sumps and recirculated downhole.

Fuel. Diesel fuel will be transported from the main fuel tank located on private property off-site via helicopter to the drill. Any fuel stored at the drill site will have secondary containment. Drill contractors are required to have a spill response plan. Commercially available petroleum product spill response kits are located at drill rigs, fuel depots, and in trucks used for fuel transport. None of the proposed drill areas are within 100 feet of running water.

Reclamation. All drill holes will be plugged with a bentonite hole plug, a benseal mud, or equivalent slurry, for a minimum of 10 feet within the top 20 feet of the drill hole. Complete filling of the drill holes, from bottom to top, with a bentonite hole plug, benseal mud, or equivalent slurry is the preferred method of hole closure. If potential freezing temperatures are encountered at the end of the drill season, downhole grout application may be impacted, and hole grouting may occur in the year following abandonment. All surface casing, if any, will be removed prior to reclamation. All timber supports will be removed from the drill pad sites at completion of drilling. Drill return fluid collection sumps will be backfilled. All trash will be transported offsite and disposed of in commercial dumpsters located at the project main facility near the Enserch Tunnel adit.

4. Underground Exploration and Development

The planned underground activities are displayed in Figures 2A and 2B. They occur in two phases. Figure 2A shows existing and planned development through this permit. The first phase expands the development from the main adit extending from the Enserch portal. The existing adit in Figure 2A are the adit areas that are white. Planned areas are shown as areas filled in with black lines. For example, adit beyond Station 24+36 upper part of the figure is planned (not yet constructed), as well as portions of the drifts which leave the main adit at Stations 20+00 and 20+88.

The second phase of underground development is to construct a ramp out of the 2080E drift approximately to obtain access to the Colman adit through the Enserch adit. The access will start at approximately 234 meters in from the Enserch portal. A new ramp, approximately 1,000 meters, will be developed to reach the Coleman adit for access and opportunity for additional exploration or mining.

All of the existing workings and the proposed ramp to the Coleman are on patented claims. At some point, the extension of the main adit past Station 24+36 and the will cross into state mining claims. The proposed east and west drift are on state mining claims.

Any ore discovered during development will be stockpiled for future processing. Due to the development waste rock primarily consisting of benign rock (as documented by the geochemical analysis provided in the 2017 APMA application), the development waste rock will be utilized

for underground road construction and portal area ground stabilization.

Inventory of Equipment. Equipment below (or equivalent) will be used in the development of the project.

1. **Tamrock Wolverine Jumbo** with a single 14' boom,

a. Deutz F3L-912W Engine

b. 41-47 hp

c. FOPS canopy

d. 510 Hydraulic Drill

2. **Wagner MT 413 HT, (typical)**

a. Deutz F6L-413W Engine w/exhaust scrubbers

b. 140 hp

c. FOPS canopy

3. **Wagner ST-3.5 LHD**

a. Mercedes 904 and a Mercedes 906 Engine w/exhaust scrubbers

b. 220 hp

c. FOPS canopy

4. LM-tm-75 Core Drill, (typical) for Exploration underground

a. Manufacture: Rexroth

b. Electrical motor over Hydraulic system, (gear pump), chuck speed @ 100rpm, 50/70HP,- (typical)

c. 1780 rpm at 60Hz

d. 60L hydraulic capacity

e. HQ, (3.82in), and PQ, (4.87in), core size

5. Submersible Pump,

a. Model 3127 Flygt pump, (typical)

b. 8 to 15 - HP, (typical)

c. 3" Discharge on pump.

d. Discharge is regulated for equipment capacity.

Temporary Structures/ Facilities. During underground exploration, there will be no camp facilities or overnight camping. Solid waste will be removed from the site for disposal in the permitted regional waste disposal facility in Willow. Sewage facilities consist of rented porta potty restrooms serviced by local vendors as needed.

Petroleum and Drill Fluid Product Storage. Bulk fuel will be stored off-site, and mine equipment will be serviced by a fuel truck as needed. AJI equipment and generators will be equipped with "Day Tanks" and, where appropriate, tanks will have bermed, lined secondary containment. Drill lubricants and drilling mud products will be stored in enclosed Conex boxes. Spill response kits will be available where petroleum products are used or stored.

Water Use. Water use in the mine exploration program will come from mine dewatering activities. The volume is estimated at 81 acre-feet per year. The groundwater will inflow to the mine within T20N, R001W, Sec 35 Sl/2, and Sec 34 S1/2, Seward Meridian. The underground water intake and water use are estimates. If different conditions are encountered that result in greater inflow, the Project will apply for an amendment to the water use authorization.

Reclamation Plan. With respect to underground development, there is nothing to reclaim except to gate the facility upon closing. The gate will be installed consistent with the approved 2017 Reclamation Plan.

5. Portal Pad Facilities

The entrance to the Enserch Adit is on private surface estate (See Figure 1). The facilities are all temporary structures, and are all on private surface estate. Facilities include a gatehouse, shop (two storage CONEX boxes) a stick-built portable office, and porta-potties. There is also outside equipment storage. The pad will remain approximately as it is, though some portions may be regraded. All facilities at the pad are mobile units that can be easily dismantled and removed from the site if they are not required for the designated post-mining land use. Because it is private land, the decisions about the pad and facilities will be made at the time of closure.

6. The Mine Access Road.

Improvements east of the portal pad. To access the mine, vehicles will come up the Willow Fishhook Road from the Parks Highway, turn off onto the Craigie Creek Road, then within a few hundred feet turn again onto the Mine Haul Road. The current road to the mine portal facilities has overly steep sections. The Project proposes constructing a switchback at a lower grade to bypass a section with a 12% grade. Portions of the existing Mine Haul Road will also be reconstructed to widen it and to lower the grade to 8% or less. This activity was approved in the 2017 mine plan APMA for AGT but was never constructed.

Figures 3 shows the planned improvement. It shows the new switchback proposed for the Mine Haul Road to by-pass the 12% grade. The switchback will have a maximum grade of 8%, with 4% at the curve. At the top of the switchback, the Project will widen and regrade the existing road to eliminate steep grades (again, up to 12%) to a maximum 8% grade. The switchback comes from the Craigie Creek Road (or trail). The public may still use the Craigie Creek Road, by-pass the new construction and continue onto the remainder of the trail.

The figure also shows a typical road cross-section. A typical cut is less than 8 or 10 fee, angled back at approximately a 2:1 slope. The road running surface will be 24 feet with a berm on the outside. The berm is required by the U.S. Mine Health Safety Administration (MSHA) to be one-half the wheel height of the largest mine vehicle to be used. For that reason, a 3-foot berm is proposed for the outside edge of the road, falling away at a 1.5:1 slope. The berm will be vegetated to reduce erosion.

The project estimates that the disturbance will be approximately 4 acres and may include 10,000

cubic yards of cut and fill.

Because this road provides access to private land, the project is not proposing to reclaim it at the end of the project life. If the facilities are expected to remain idle so that the road will see limited use for a few years, the project will install water bars on the road to minimize erosion.

Improvements west of the portal pad. The project may improve the existing the road from the portal pad to the yarder clearing (i.e., southwest of the portal pad). Before the mine goes into operation, the mine may request that DNR allow it to extend the road to establish another connection to Willow Fishhook Road. That will allow one-way traffic for ore trucks. However, that is for the future, and the project will request authorization before the road extension occurs past the yarder pad. During this APMA, the project may improve the existing road which already extends southwest of the portal pad, approximately 1/8 mile to the yarder clearing. Improving the road would improve the existing road in preparation for the mine, allow the project to remove unused equipment currently on the yarder pad, and provide a constructive use for waste rock removed from the Enserch Adit during the underground development proposed in this APMA. It will not significantly expand the footprint of the road.

7. Other Information

Water Use Requests. In summary, the project is proposing four water sources for a five-year Temporary Water Use Authorization to run consistent with this APMA. All four were previously approved in TWUA F2021-118.

1. Surface Drilling. Water for the surface exploration drilling will be taken from two unnamed lakes (Lat/Long NAD83)
    - 61.7859, -149.4226
    - 61.7864, -149.4196

    The water will be supplied by a diesel-operated Bean-Royal 6-60 piston pump (or similar) capable of pumping 60 gpm at 800 to 1,000 psi. The lake sources will use an intake screen with a <0.25 inch mesh and a velocity of ≤0.5 feet per second if the lakes are determined to be fish-bearing. . However, the maximum daily withdrawal will total no more than 28,800 gpd. Pumping may occur at any time 24 hours per day for no more than 200 days per season from the two unnamed ponds. Exploration could occur any time from break-up to freeze up. Approximately April 1 to October 1.

2. Underground exploration and development. Water use in the mine exploration program will come from mine dewatering activities. The volume is estimated at 81 acre-feet per year. The groundwater will inflow to the mine within T20N, R001W, Sec 35 Sl/2, and Sec 34 S1/2, Seward Meridian. Water would be taken from up to seven sumps with a withdrawal rate of 200 gpm from each sump (1,400 gpm combined maximum pump rate). Water use and pumping may be up to 24 hours per day year-round.

3. Craigie Creek. The project is proposing to renew the water take from Craigie Creek. The water would to be used to supplement the underground exploration and development, possibly for the surface drilling, plus a small amount for general camp use at the portal (i.e., washing equipment, etc., not including as drinking water). Supplemental water for

underground development or surface drilling would be necessary only if the primary sources for those activities become inadequate. A maximum combined daily withdrawal of 50,000 gpd at a maximum pump withdrawal rate of 150 gpm, year-round.

Request to close the mine haul road to public access. Consistent with 11 AAC 86.145(a)(1), this application is requesting that DNR authorize the Company to close the new construction and widened portion of the Mine Haul Road to the public to protect the public from mine traffic on the road, and to prevent the public from interfering with mine operations. The private land around the mine portal is already closed to the public because it is private land. The requested closure of state land is tailored to be the minimum area necessary and is in an area that should not significantly interfere with public recreation at Hatcher Pass, or block access to important recreation areas. The area proposed for closure is provided in Figure 4. At the end of the Project, the state land, including the road areas, would again be open to the public. Figure 5 shows a close-up of the proposed switchback and road. People traveling up the Craigie Creek Road would encounter the new construction, labeled "Proposed Road, 8.0% Grade" in the figure. If approved by DNR, the Project will erect signs to alert the public that they may still use the Craigie Creek Road, but asking them not to travel on the Mine Haul Road (including the portion labelled "Existing Road, 12.5% Grade").

Financial Assurance. Total exploration and mine disturbance for this APMA is less than 5 acres; Therefore, the project is not proposing to provide a reclamation bond or join the bond pool for this phase of the project.

Wetlands. A preliminary wetlands report has previously been submitted to DNR which includes the area of disturbance for the mine road (but not the area for the surface drilling). The report shows that none of the disturbance near the mine will affect wetlands or waters of the United States. The area where surface drilling will occur is rocky and is not wetlands. This project will not place dredged or fill material in wetlands. The report was submitted to the Corps of Engineers in 2017 and was approved as preliminary jurisdictional determination as POA-2009-411, APMA 3033 (note the APMA number is incorrect, it should have been 3003).

Summary of Disturbance and Reclamation during this permit. New ground disturbance during this permit term includes 1) underground workings described above; 2) possible disturbance of up to 4 acres when reworking the road to eliminate the steep grade northeast of the portal pad; and 3) a few square feet of disturbance for the surface drilling. Because the disturbance is less than 5 acres, the project does not propose joining the bond pool at this time.

With respect to reclamation, the underground workings are not reclaimed. At the end of the project, the portal entrances will be gated as described in the 2017 application. The road will not be reclaimed because it provides access to private land; though if facilities are expected to remain idle so that the road will see limited use for a few years, the project will install water bars on the road to minimize erosion. The portal pad is on private land, and the decision on what facilities to remain will occur at the end of the project life.

Figure 1

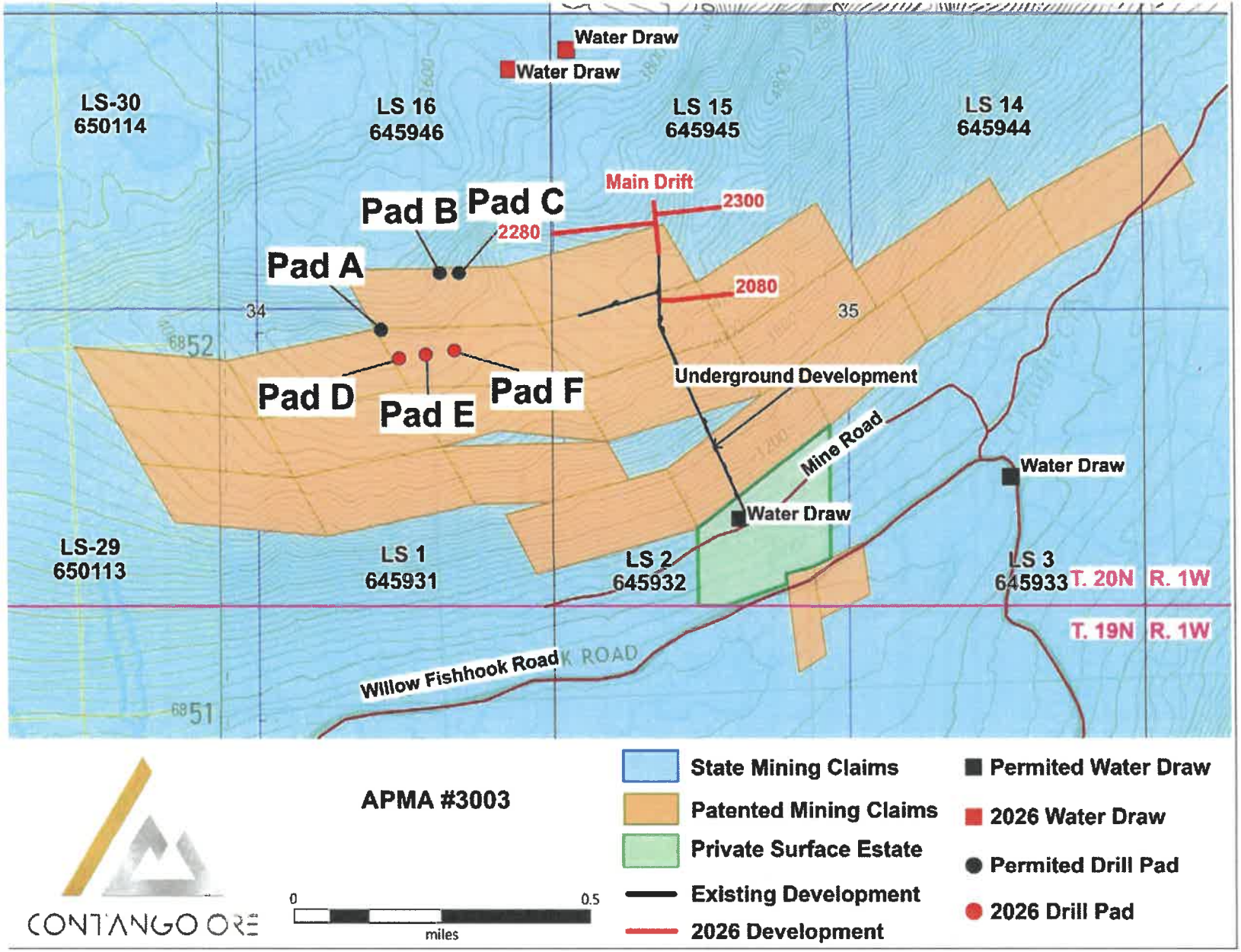
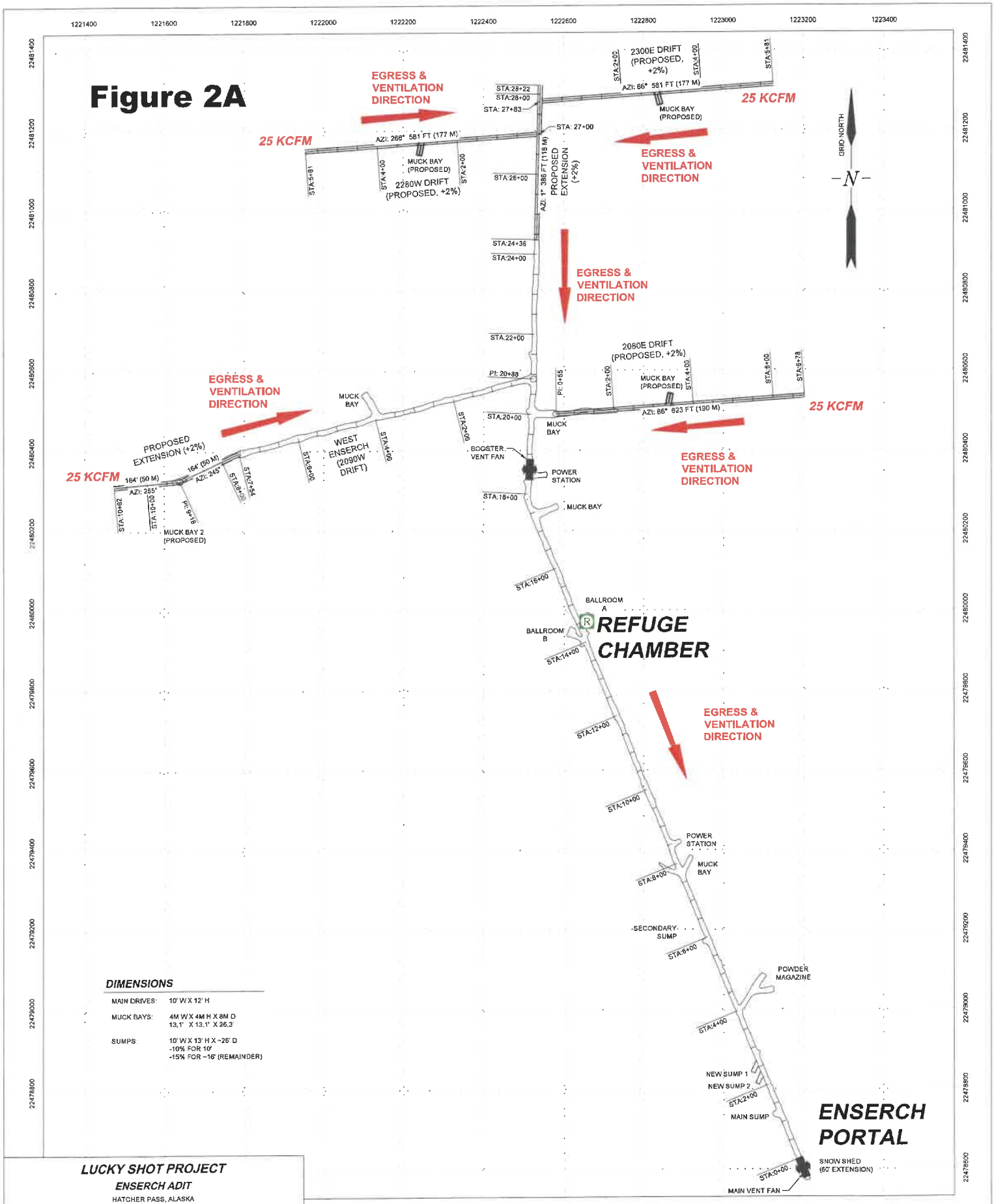

Water Draw
Water Draw
LS-30
650114
LS 16
645946
LS 15
645945
LS 14
645944
Main Drift
2300
2280
Pad B
Pad C
Pad A
2080
34
35
6852
Pad D
Pad E
Pad F
Underground Development
Mine Road
Water Draw
Water Draw
LS-29
650113
LS 1
645931
LS 2
645932
LS 3
645933
T. 20N R. 1W
T. 19N R. 1W
Willow Fishhook Road
K ROAD
6851
APMA #3003
CONTANGO ORE
0
0.5
miles
State Mining Claims
Patented Mining Claims
Private Surface Estate
Existing Development
2026 Development
Permited Water Draw
2026 Water Draw
Permited Drill Pad
2026 Drill Pad

Figure 2A



DIMENSIONS

MAIN DRIVES:	10' W X 12' H
MUCK BAYS:	4M W X 4M H X 8M D 13.1' X 13.1' X 26.3'
SUMPS:	10' W X 13' H X ~26' D -10% FOR 10' -15% FOR ~16' (REMAINDER)

LUCKY SHOT PROJECT

ENSERCH ADIT

HATCHER PASS, ALASKA
GRID: NAD83 UTM 6N (USFT)

RECON
Rowland Engineering Consultants
565 West Room Circle, Palmer, AK 99645
907 746 3630

PREPARED FOR:
CONTANGO SILVER & GOLD

DRWN/CHKD:	DATE:
DVD/MRE	8/10/2026

FEET 0 150 300
SCALE: 1" = 150'
AT 17"x22"

NOTES:

1. ADIT AND DRIFTS ARE SHOWN AS SURVEYED BY RECON LLC, CURRENT AS OF 7/29/2026. DRIFT OVERLAYS ON DESIGN ARE FROM 2026 MINING AND ARE NOT FINAL AS-BUILTS.
2. COORDINATE SYSTEM AND AZIMUTHS: NAD83 (2011) UTM ZONE 6N (USFT). VERTICAL DATUM: NAVD88 (GEOID 12B) (USFT)
3. GRID SPACING: 200 FEET
4. ALL STATIONING IS FROM THE RIB OF PRE-EXISTING DRIFT.
5. PROPOSED DEVELOPMENT PER CORRESPONDENCE WITH CONTANGO, 4/13-22/2026 AND 8/7/2026.

LUCKYSHOT_PLANIMETRICS_2026_10.DWG

Figure 2B

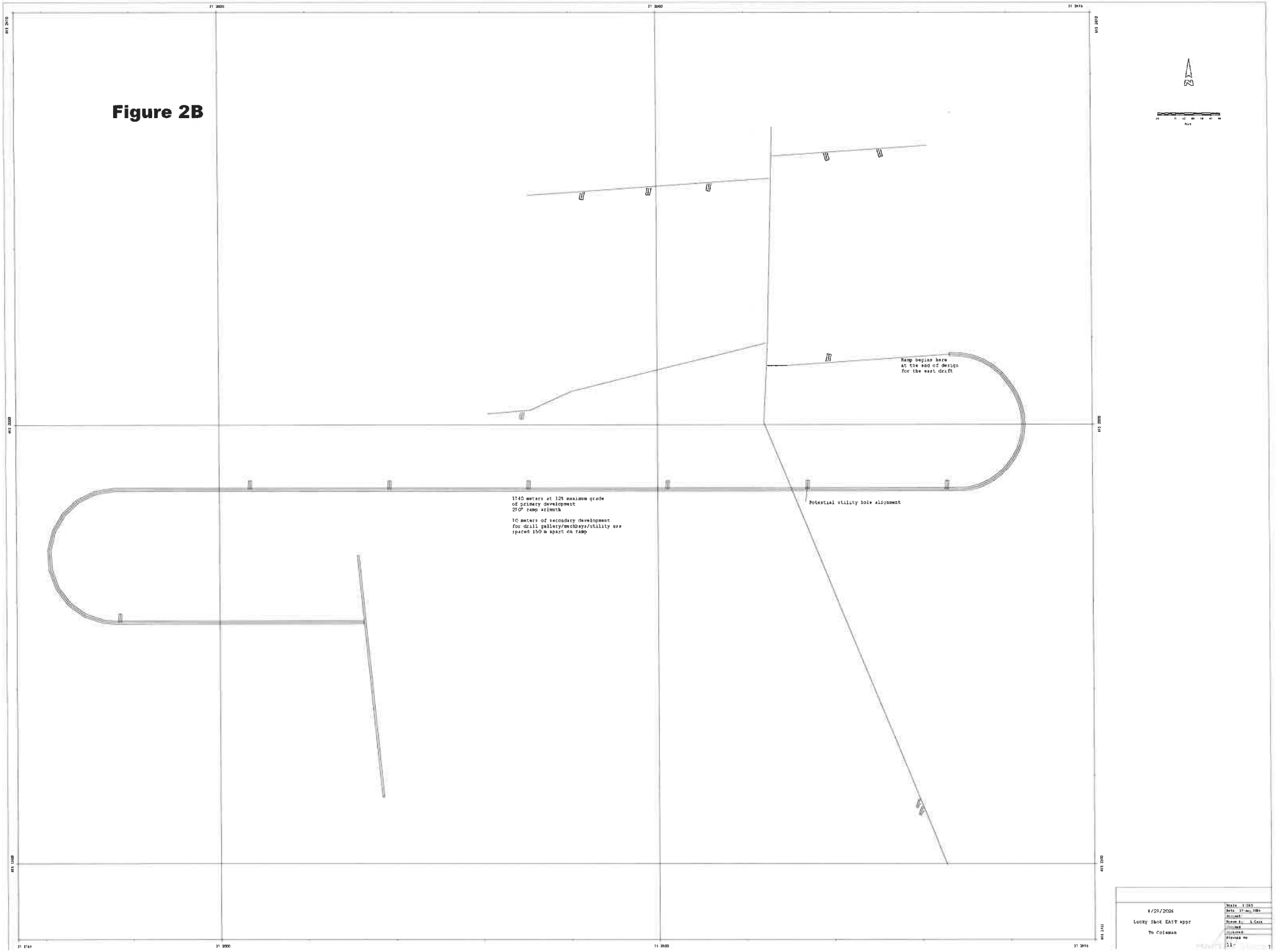

Ramp begins here
at the end of design
for the east drift
1140 meters at 12% maximum grade
of primary development
270° ramp azimuth
10 meters of secondary development
for drill gallery/muckbays/utility use
spaced 150 m apart on ramp
Potential utility hole alignment
N
8/21/2026
Lucky Shot EAST appr
To Coleman

Figure 3

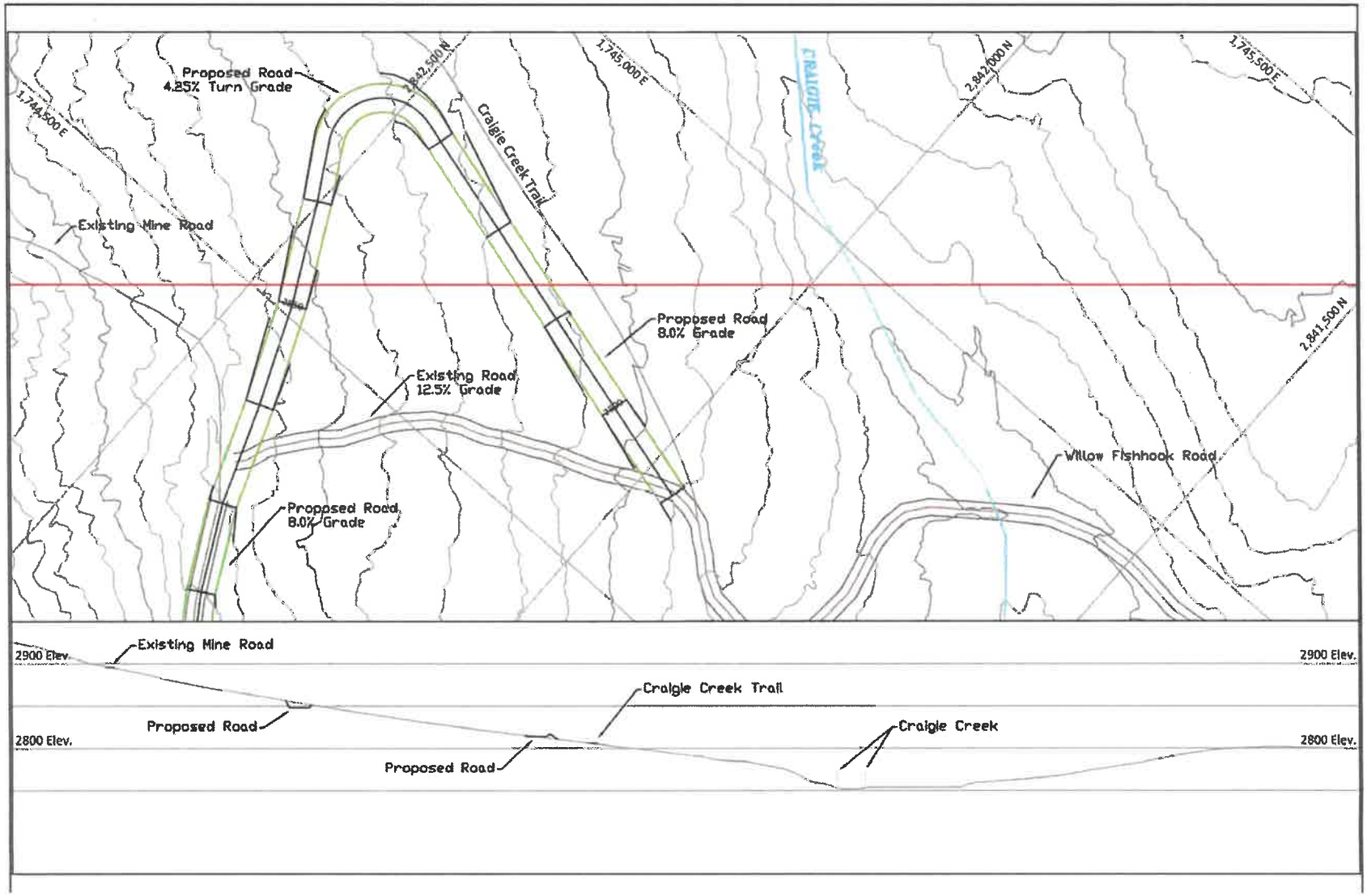
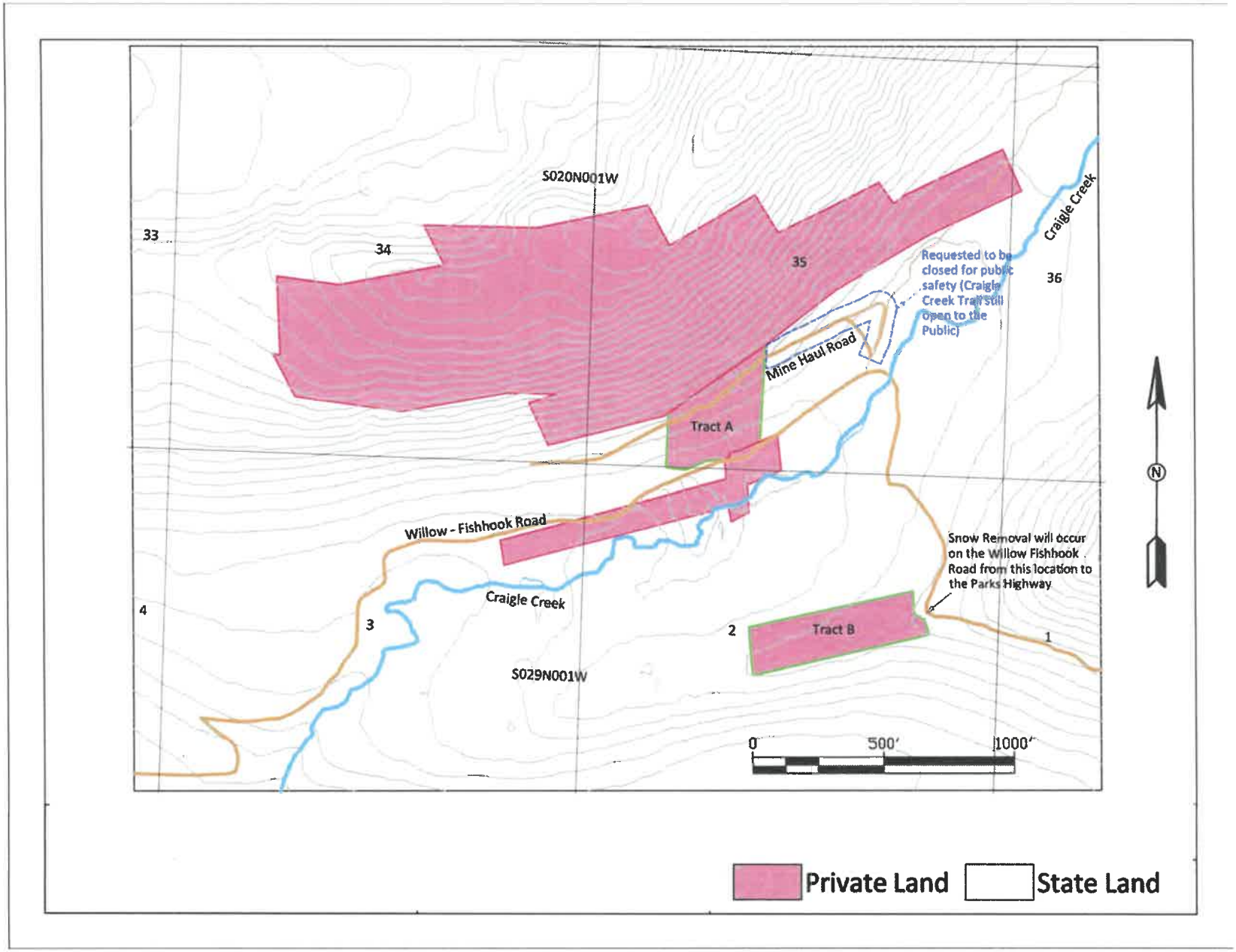

Proposed Road
4.25% Turn Grade
2,842,500 N
1,744,500 E
1,745,000 E
2,842,000 N
1,745,500 E
Craigie Creek Trail
Craigie Creek
Existing Mine Road
Proposed Road
8.0% Grade
Existing Road
12.5% Grade
2,841,500 N
Willow Fishhook Road
Proposed Road
8.0% Grade
2900 Elev.
Existing Mine Road
2900 Elev.
Craigie Creek Trail
Proposed Road
Craigie Creek
2800 Elev.
2800 Elev.
Proposed Road

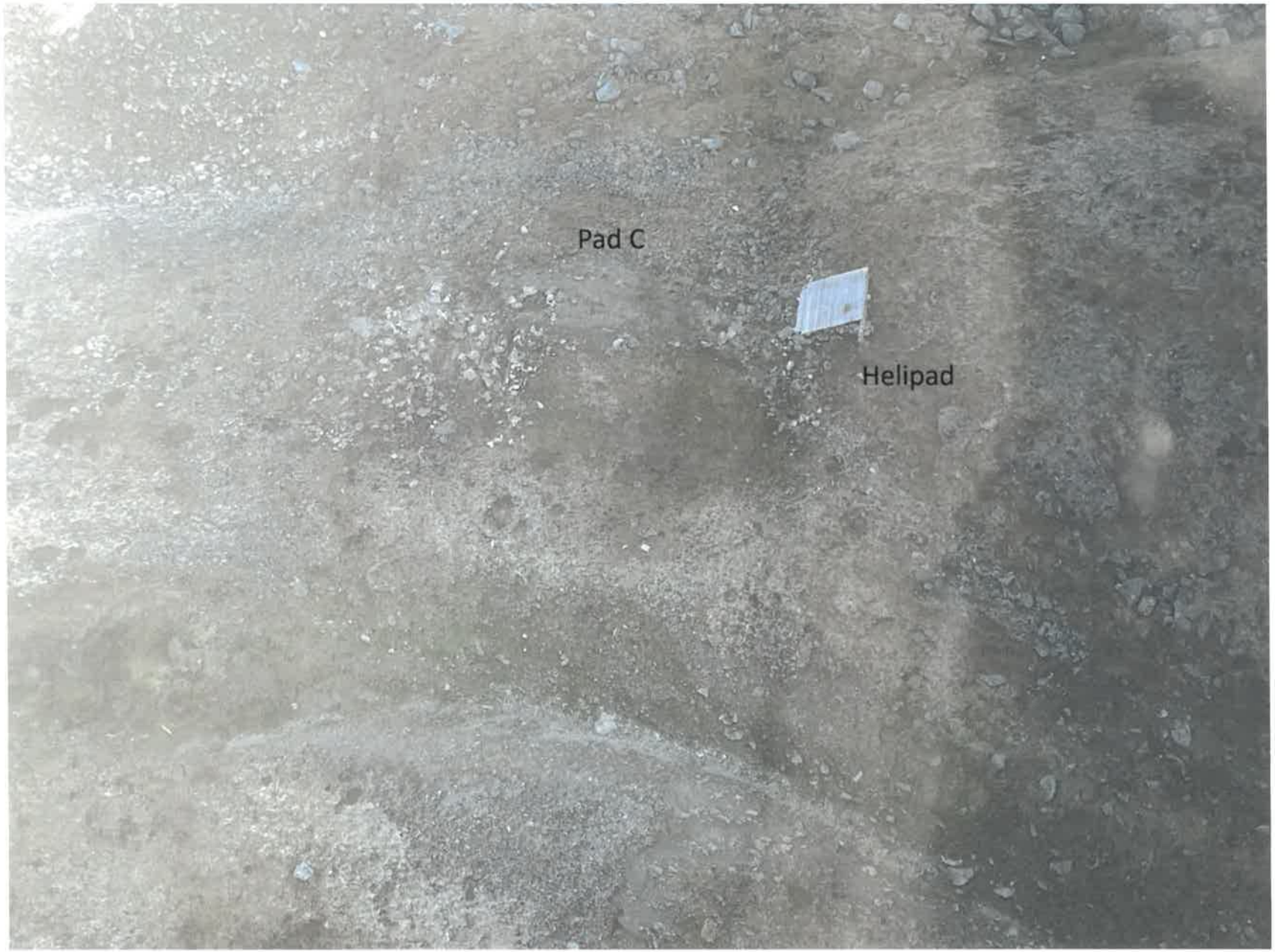
Figure 4. Proposed public access closure



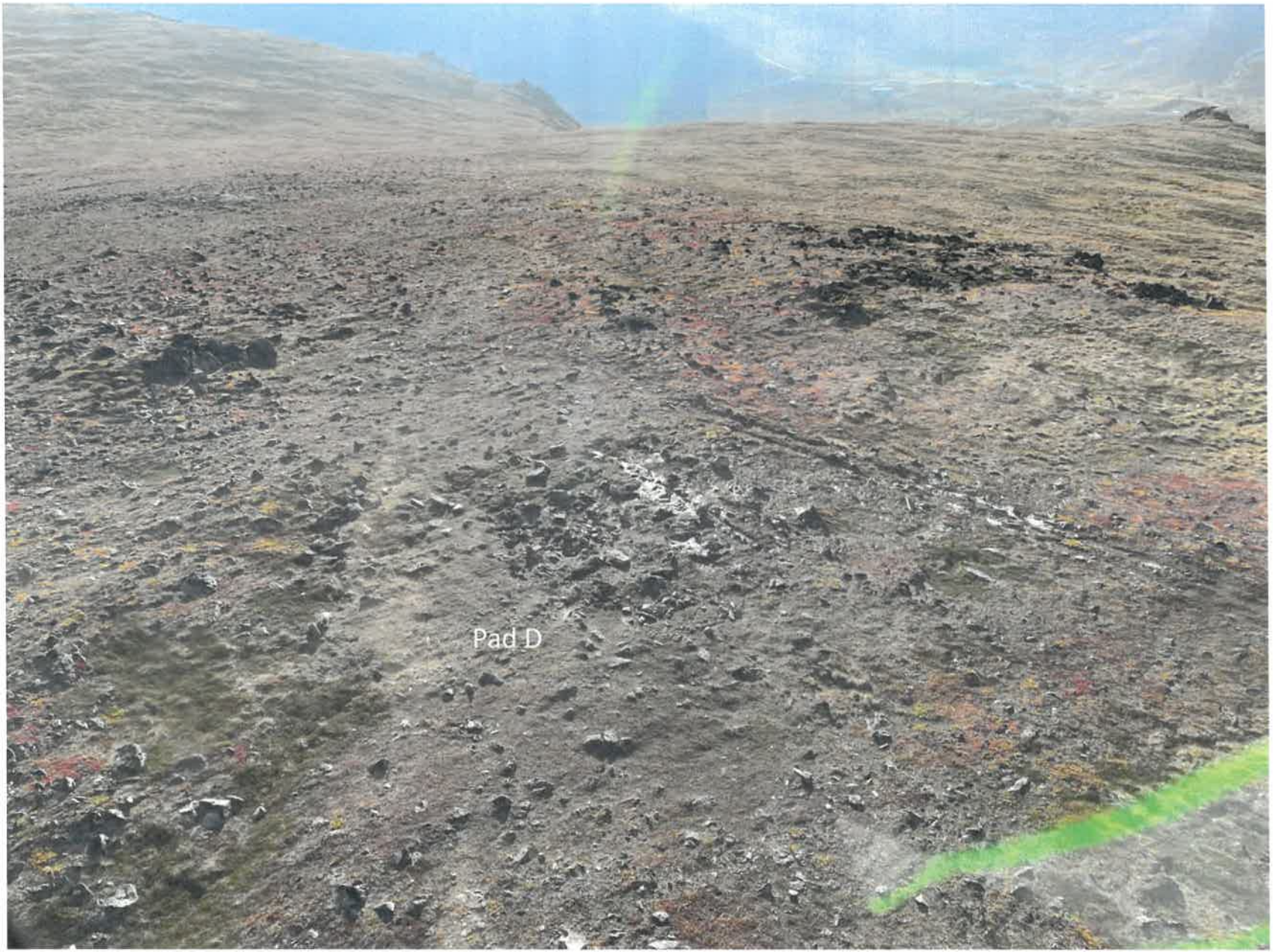
Pad B



Pad C



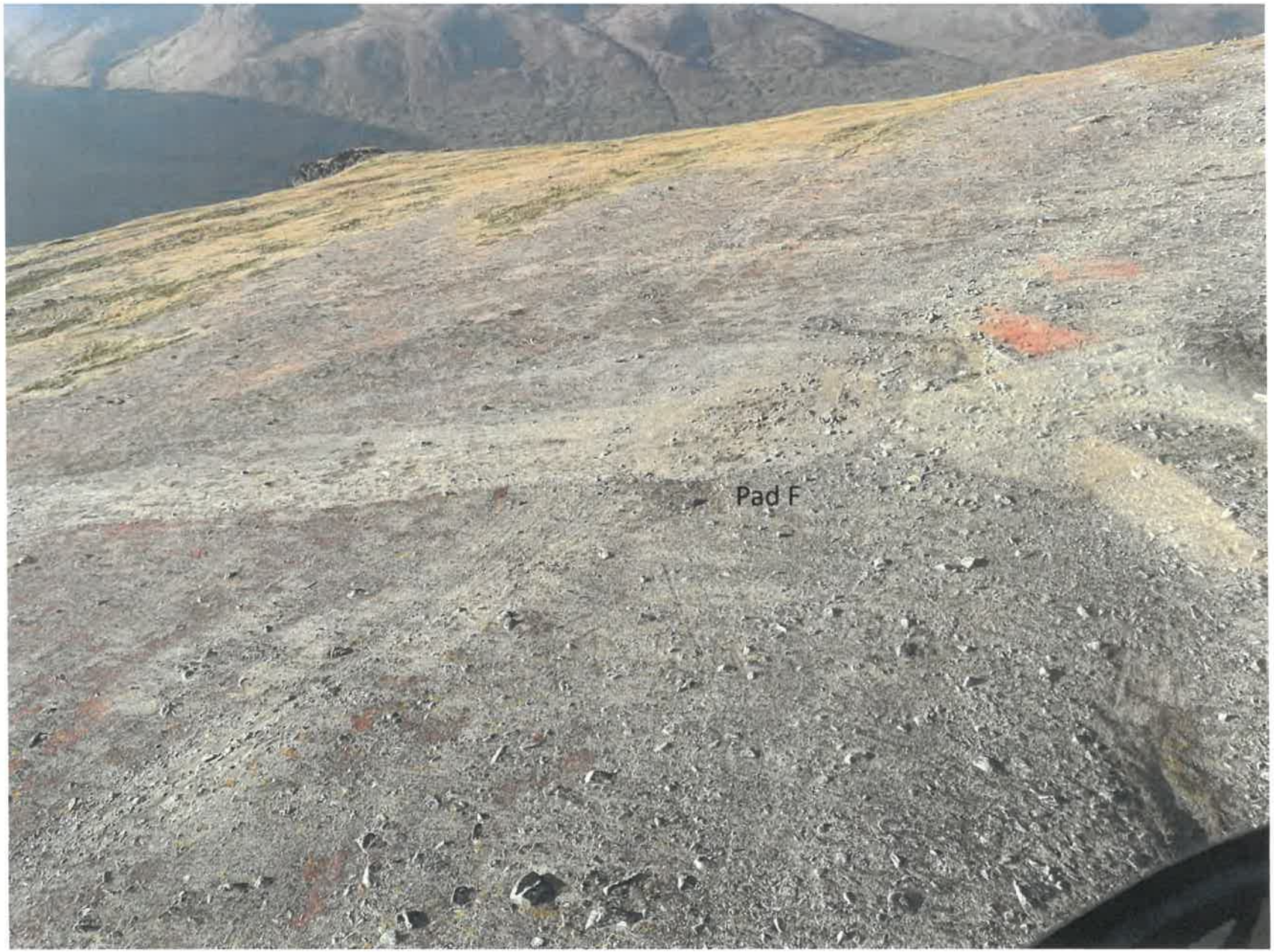
Pad D



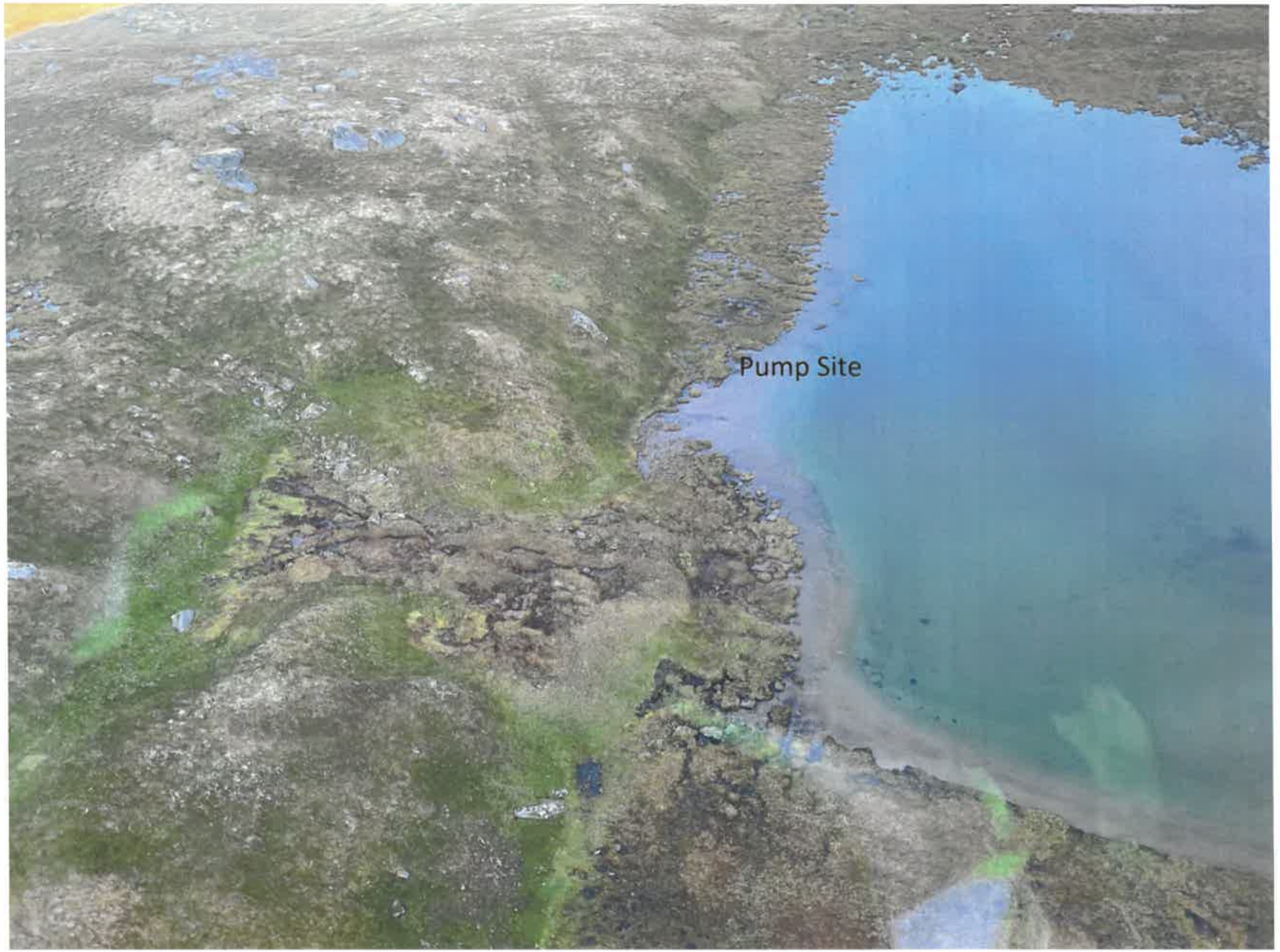
Pad E



Pad F



Pump Site



Drill Site #	Latitude (ddd.mmmm)	Longitude (-ddd.mmmm)	Datum (NAD83)	Associated APMA	Mining Claim ADL, BLM # or USMS	Fuel Storage (OnSite/OffSite)	Tundra Mat	Trash Containment	Sanitary Facilities	Drill Additives	Artesian Zone	Water Discharged	Reclaimed	Plugged	Cemented	Standing Pipe	Revegetated
B	61.7810	-149.4720	NAD 83	3003	Patented Land	Offsite	No	Off Site	Offsite	Yes	No	No	Yes	Yes	Yes	No	No
C	61.7810	-149.4255	NAD 83	3003	Patented Land	Offsite	No	Off Site	Offsite	Yes	No	No	Yes	Yes	Yes	No	No
D	61.7789	-149.4283	NAD 83	3003	Patented Land	Offsite	No	Off Site	Offsite	Yes	No	No	Yes	Yes	Yes	No	No
E	61.7790	-149.4720	NAD 83	3003	Patented Land	Offsite	No	Off Site	Offsite	Yes	No	No	Yes	Yes	Yes	No	No
F	61.7791	-149.4253	NAD 83	3003	Patented Land	Offsite	No	Off Site	Offsite	Yes	No	No	Yes	Yes	Yes	No	No

The site numbers are labelled on Figure 1 of the APMA application

Sump Pit #	Associated Drill Site	Latitude (ddd.mmmm)	Longitude (-ddd.mmmm)	Datum (NAD83)	Associated APMA	Mining Claim ADL, BLM # or USMS	Discharge Trench	Pit Dimensions	Reclaimed	Date Reclaimed

The 2026 exploration did not use sump pits

Water Source #	Latitude (ddd.mmmm)	Longitude (-ddd.mmmm)	Datum (NAD83)	Associated TWUP	Associated APMA	Mining Claim ADL, BLM # or USMS	Water Source Type	Intake Size	Mesh Size	Submerged	Start Date	Stop Date	Avg GPM	Engine Size
1	61.7859	-149.4226	NAD 83	F2021-118	3003	Patented Ground	Pond	3"	<0.25	yes	6/25/26	9/3/26	60	800-1000psi

Mining Claim ADL, BLM # or USMS Prefix	Mining Claim ADL, BLM # or USMS	Mining Claim Name	Mining Claim Owner	Mining Claim Operator
Note: Surface drilling activities in 2026 were on patented ground, except for the water sources.				