

STATE OF ALASKA
2024

Application for Permits to Mine in Alaska (APMA)

Amendment No. 1

Single Year Multi-year Start: 2023 Finish: 2027 APMA Number (A/F/J,Year,****) F-2938

What type activity are you planning to perform? *REQUIRED (1) <input type="checkbox"/> Suction Dredging/Reclamation <input type="checkbox"/> Reclamation Only <input checked="" type="checkbox"/> Placer Mining/ Reclamation <input type="checkbox"/> Access <input type="checkbox"/> Hardrock Exploration/ Reclamation	Surface estate of mineral properties: *REQUIRED (2) <input checked="" type="checkbox"/> State (General) <input type="checkbox"/> State (Mental Health) <input type="checkbox"/> Federal <input type="checkbox"/> Private <input type="checkbox"/> City or Borough
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Check All That Apply: Mineral Property Owner Lessee Operator ***Required (3)**

Name: NMH Nome LLC Primary Phone Number: 512-983-5570
 Address: 11701 FM 2244 Suite 185 Secondary Phone Number: _____
Austin, TX 78738 Email: jotteson@noblemining.com
[Click here for the Department of Commerce Link](#)
 Alaska Business/Corporation Entity# 10199003 Registered Agent (Corp./LLC/LP) Jeff Keener

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

Name: Mammoth Valley Mining LLC Primary Phone Number: 512-983-5570
 Address: 11701 FM 2244 Suite 185 Secondary Phone Number: _____
Austin, TX 78738 Email: jotteson@noblemining.com
 Alaska Business/Corporation Entity# 10170289 Registered Agent (Corp./LLC/LP) Jeff Keener

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

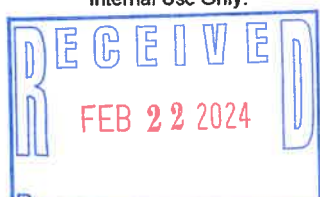
Name: _____ Primary Phone Number: _____
 Address: _____ Secondary Phone Number: _____
 _____ Email: _____
 Alaska Business/Corporation Entity# _____ Registered Agent (Corp./LLC/LP) _____

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>Kougarok Exploration Program</u>	Average Number of Workers: *REQUIRED (8) <u>4</u>	Start-Up/Shut Down: (Month/Day) (9) <u>1 May</u> to <u>15 October</u>
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Mining District: *REQUIRED (10) <u>Kougarok</u>	Applicable USGS Map(s): *REQUIRED (11) <u>Bendeleben (B-6)</u>	On What Stream Is This Activity? (12) <u>Quartz Creek/Kougarok River</u>
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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>KRM; T1S, R29W, S-5, 16, 17, 29, & 32</u> This form is intended to amend the original APMA to add a pilot ming pit, ponds, and camp in Section 32.	Internal Use Only:  By _____
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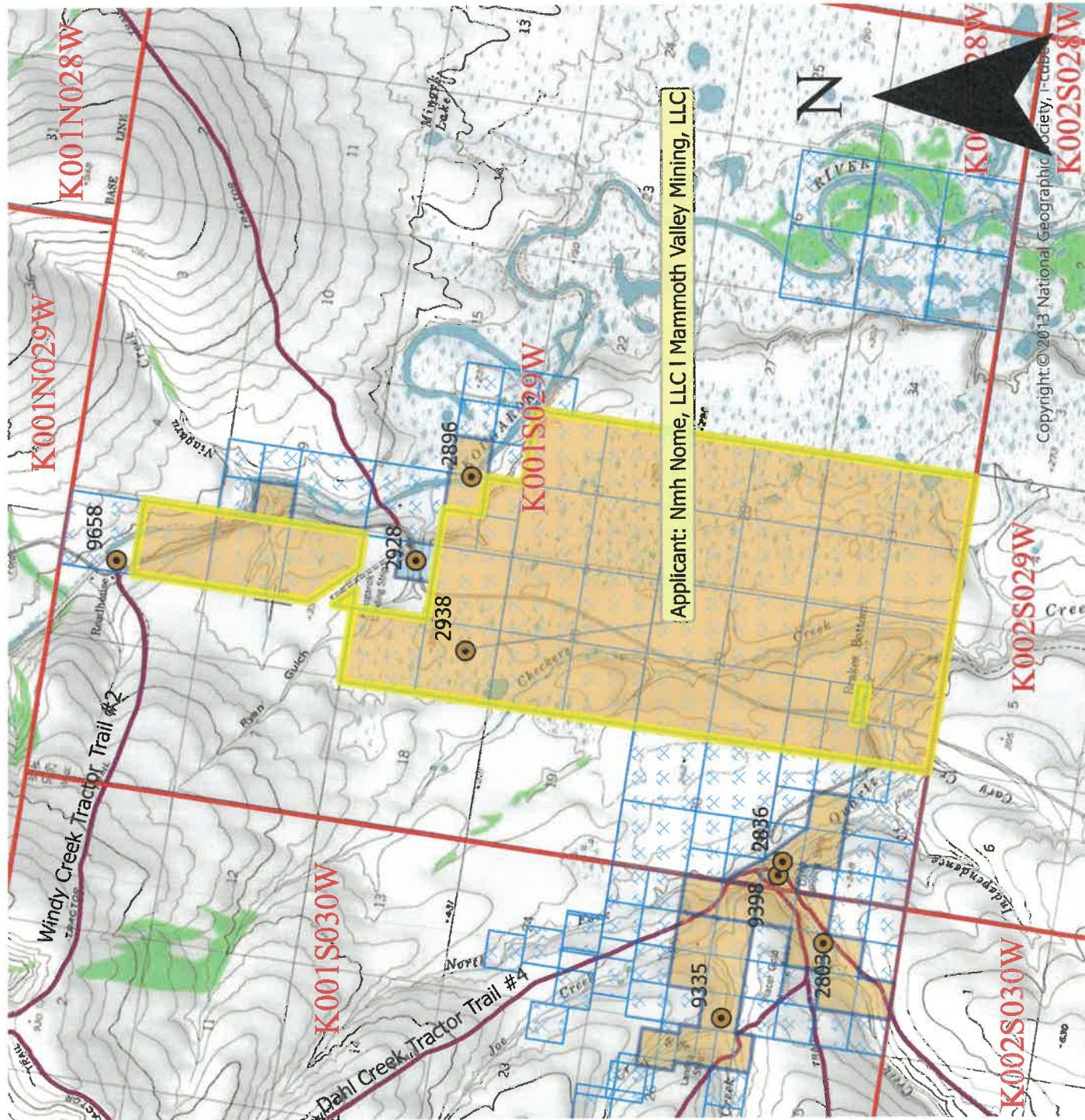
Internal Use Only:
 Date Application Received Complete: _____ Adjudicator: _____ LAS Entry: _____
 Sec 3 CID: _____ Sec 4 CID: _____ Sec 5 CID: _____ Sec 6 CID: _____

APMA 2938 Active Area



This map was created on 3/7/2024 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.

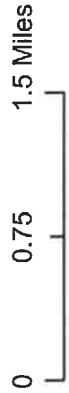
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Applicant: Nmh Nome, LLC | Mammoth Valley Mining, LLC

APMA Type Scale: 1:63,360

- Mechanical Placer Mining
- Suction Dredge / Dredging
- State Mining Claim



Center: 164°39'1"W 65°23'25"N

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CASE_ID	CSTMRNM	SPCLCDDSCR	CSSTSDSCR	CLAIM_NAME	NTPSTDT	FRSHDT
ADL 612219	Mammoth Valley Mining, Lcc	Mining Claim (MC)	Active (35)	QUARTZ #4 BELOW	28-Apr-08	3/7/2024 3:00
ADL 612220	Mammoth Valley Mining, Lcc	Mining Claim (MC)	Active (35)	QUARTZ #5 BELOW	28-Apr-08	3/7/2024 3:00
ADL 665164	Mammoth Valley Mining, Lcc	Mining Claim (MC)	Active (35)	KOUGAROK NO 1 BELOW	21-Sep-08	3/7/2024 3:00
ADL 800491	Nmh Nome, Llc.	Mining Claim (MC)	Active (35)	A1	30-May-22	3/7/2024 3:00
ADL 800494	Nmh Nome, Llc.	Mining Claim (MC)	Active (35)	A4	30-May-22	3/7/2024 3:00
ADL 800495	Nmh Nome, Llc.	Mining Claim (MC)	Active (35)	A5	30-May-22	3/7/2024 3:00
ADL 800496	Nmh Nome, Llc.	Mining Claim (MC)	Active (35)	A6	30-May-22	3/7/2024 3:00
ADL 800497	Nmh Nome, Llc.	Mining Claim (MC)	Active (35)	A7	30-May-22	3/7/2024 3:00
ADL 800498	Nmh Nome, Llc.	Mining Claim (MC)	Active (35)	A8	30-May-22	3/7/2024 3:00
ADL 800499	Nmh Nome, Llc.	Mining Claim (MC)	Active (35)	A9	30-May-22	3/7/2024 3:00
ADL 800500	Nmh Nome, Llc.	Mining Claim (MC)	Active (35)	A10	30-May-22	3/7/2024 3:00
ADL 800501	Nmh Nome, Llc.	Mining Claim (MC)	Active (35)	A11	30-May-22	3/7/2024 3:00
ADL 800502	Nmh Nome, Llc.	Mining Claim (MC)	Active (35)	A12	30-May-22	3/7/2024 3:00
ADL 800503	Nmh Nome, Llc.	Mining Claim (MC)	Active (35)	A13	30-May-22	3/7/2024 3:00
ADL 800504	Nmh Nome, Llc.	Mining Claim (MC)	Active (35)	A14	30-May-22	3/7/2024 3:00
ADL 800505	Nmh Nome, Llc.	Mining Claim (MC)	Active (35)	A15	30-May-22	3/7/2024 3:00
ADL 800506	Nmh Nome, Llc.	Mining Claim (MC)	Active (35)	A16	30-May-22	3/7/2024 3:00
ADL 800507	Nmh Nome, Llc.	Mining Claim (MC)	Active (35)	A17	30-May-22	3/7/2024 3:00
ADL 800508	Nmh Nome, Llc.	Mining Claim (MC)	Active (35)	C1	30-May-22	3/7/2024 3:00
ADL 800509	Nmh Nome, Llc.	Mining Claim (MC)	Active (35)	C2	30-May-22	3/7/2024 3:00
ADL 800510	Nmh Nome, Llc.	Mining Claim (MC)	Active (35)	C3	30-May-22	3/7/2024 3:00
ADL 800511	Nmh Nome, Llc.	Mining Claim (MC)	Active (35)	C4	30-May-22	3/7/2024 3:00
ADL 800512	Nmh Nome, Llc.	Mining Claim (MC)	Active (35)	C5	30-May-22	3/7/2024 3:00
ADL 800513	Nmh Nome, Llc.	Mining Claim (MC)	Active (35)	C6	30-May-22	3/7/2024 3:00
ADL 800514	Nmh Nome, Llc.	Mining Claim (MC)	Active (35)	C7	30-May-22	3/7/2024 3:00
ADL 800515	Nmh Nome, Llc.	Mining Claim (MC)	Active (35)	C8	30-May-22	3/7/2024 3:00
ADL 800516	Nmh Nome, Llc.	Mining Claim (MC)	Active (35)	C9	30-May-22	3/7/2024 3:00
ADL 800517	Nmh Nome, Llc.	Mining Claim (MC)	Active (35)	C10	30-May-22	3/7/2024 3:00
ADL 800518	Nmh Nome, Llc.	Mining Claim (MC)	Active (35)	C11	30-May-22	3/7/2024 3:00
ADL 800519	Nmh Nome, Llc.	Mining Claim (MC)	Active (35)	C12	30-May-22	3/7/2024 3:00
ADL 800520	Nmh Nome, Llc.	Mining Claim (MC)	Active (35)	C13	30-May-22	3/7/2024 3:00
ADL 800521	Nmh Nome, Llc.	Mining Claim (MC)	Active (35)	C14	30-May-22	3/7/2024 3:00
ADL 800522	Nmh Nome, Llc.	Mining Claim (MC)	Active (35)	C15	30-May-22	3/7/2024 3:00
ADL 800523	Nmh Nome, Llc.	Mining Claim (MC)	Active (35)	C16	30-May-22	3/7/2024 3:00
ADL 800524	Nmh Nome, Llc.	Mining Claim (MC)	Active (35)	C17	30-May-22	3/7/2024 3:00
ADL 800767	Nmh Nome, Llc.	Mining Claim (MC)	Active (35)	A2	25-Sep-22	3/7/2024 3:00

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 612219	Quartz #4 Below	7.		
2.	ADL 612220	Quartz #5 Below	8.		
3.	These claims are added to the previous list		9.		
4.			10.		
5.			11.		
6.			12.		

INVENTORY OF EQUIPMENT

(15)

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

Check One:

	Make, Model, Type, Size, Purpose of Equipment or Pump	Quantity of this type	Located on the claim block?	Transporting to claim block?
1.	In addition to the previous list: CAT 740 truck; haul gravel	1	✓	
2.	Cat D10N dozer: remove overburden, build pond, doze pay, reclamation	1	✓	
3.	Komatsu PC300 & 400 excavators: stack material, feed pay	2	✓	
4.	8-inch Godwin pump for recycling process water	1	✓	
5.	6-inch trash pump for pumping make-up water from Quartz Creek	1	✓	
6.	Trommel washplant: ~100 cubic yards per hour	1	✓	
7.	CAT D8N dozer: remove overburden, build pond, doze pay, reclamation	1	✓	
8.	Komatsu WA600 loader: general utility, haul gravel for camp and plant pads	1	✓	

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: Taylor Highway (Kougarok Road) traverses through claim block

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

Navigable Waterway

Aircraft Supported

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

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

ACCESS 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:

No road construction necessary to access claims. Access is via Kougarok Road and existing mine access road within claim block.

An 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:

N/A

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

N/A

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:

N/A

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

N/A

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

N/A

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

N/A

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:
Place bucket or absorbent pads under leaking equipment. Keep spill response kit next fuel tank.

Quantity Petroleum Products to be Stored on the Project Site?

- 0-1,320 gallons of total storage (Secondary Containment recommended, but not required)
- 1,321-10,000 gallons of total storage (count only containers with a capacity of 55 gallons or greater). A self-certified Spill Prevention, Control, and Countermeasure (SPCC) plan is required and applies to all products, such as diesel fuel, gasoline, lube oil, hydraulic oil and waste oil. The self certified SPCC form can be downloaded at: <https://www.sfdph.org/dph/files/EHSdocs/ehsHMUPAdocs/TIERIQFSPCCPlan.pdf>. BLM Operators are encouraged to use the optional BLM-Spill contingency plan that can be downloaded at: https://www.blm.gov/sites/blm.gov/files/BLM-AK_spill-contingency-plan_APMA_worksheetSup.pdf
- 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: ~500 Feet. (Minimum distance from naturally occurring water bodies required by DNR is 100 feet). **Fuel is stored in mobile 6,000 gal tanker.**

Is waste oil stored on the project site? Yes No If Yes, describe quantity and storage modality: Temporary storage in up to two 55-gal drums kept in bed of pickup truck and transported to Nome for disposal.

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

TEMPORARY STRUCTURES/FACILITIES

(18)

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

If "No", Please explain: _____

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

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

If camp is on private land, provide location: _____

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

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

Request to place **new** temporary structures, list ADL(s): ADL 612219
 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	2		Kitchen/Restroom & Bunkhouse	8 x 32	8 x 32	
Platforms						
Out-Buildings	1		Conex	8 x 20		
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):

Leach field or pit privy _____

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.**

Burnable, non-toxic waste is burned and transported to Nome landfill

Non-burnable waste is transported to Nome 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: ~500 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.
 Trailers and Conex will be removed at the end of the project.

MINING METHOD

(19)

- Mechanical Placer Mining (e.g., terrestrial open-cut operations with dozer or excavator, etc.)
 Estimated cubic yards processed annually: ~40,000 cubic yards
- Suction Dredge Mechanical Dredge (e.g., excavator or clam-shell)

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

	Dredge 1		Dredge 2		Dredge 3	
Vessel ID (Name or Number)						
Vessel Dimensions						
Suction Dredge Intake Nozzle Diameter / Pump Size	Inches:	HP:	Inches:	HP:	Inches:	HP:
Mechanical Dredge Bucket Volume	Cubic Yards:		Cubic Yards:		Cubic Yards:	
Processing Rate	Yds. 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: Offshore / Salt Water Pond connected to stream
 Stream Pond isolated from stream
 Mine cut isolated from stream

PLACER EXPLORATION DRILLING AND TEST PITS

(20)

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

- Test Pits: Yes No How long will the test pit be open if not converted into an active mine cut? _____
- Estimated number of pits to be excavated: See original plan
- Average Size: Length: _____ Ft. Width: _____ Ft. Depth: _____ Ft.
- Placer Drilling: Yes No
- Total number of holes to be drilled: See original plan Type of drill(s) used: _____

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

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 ~90 _____ 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:

No stream crossings.

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.	Quartz Creek	63.5588	164.6756	K001S029W32 SENW	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2.					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

WATER USE AUTHORIZATIONS

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)? 15 June to 30 September

Name & Location of Water Source(s):

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

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

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

Provide the geographic name or locally know name of water Source. (Recycle/settling ponds, creek, stream, well, etc.) If requesting a stream reach, clearly identify the entire stream reach on a legible map.	Meridian	Township	Range	Section(s)	Start-Up Water and/or Make-Up Water? Check each applicable box.			
					Start-Up	X	Make-Up	X
<u>Example:</u> Unnamed Creek	F	3N	3W	20	Start-Up	X	Make-Up	X
1. Quartz Creek	K	1S	29W	32	Start-Up	<input checked="" type="checkbox"/>	Make-Up	<input checked="" type="checkbox"/>
	Latitude: 63.5588N			Longitude: 164.6756W				
2. Settling/Recycle Pond	K	1S	29W	32	Start-Up	<input type="checkbox"/>	Make-Up	<input type="checkbox"/>
	Latitude: 63.3580N			Longitude: 164.6764W				
3.					Start-Up	<input type="checkbox"/>	Make-Up	<input type="checkbox"/>
	Latitude:			Longitude:				
4.					Start-Up	<input type="checkbox"/>	Make-Up	<input type="checkbox"/>
	Latitude:			Longitude:				
5.					Start-Up	<input type="checkbox"/>	Make-Up	<input type="checkbox"/>
	Latitude:			Longitude:				

WATER USE AUTHORIZATIONS CONT.

(24)

B. Water Use Activities. Complete applicable information for each source. For recycle/settling pond system complete part C. Recycle/Settling Pond System. For stream diversions also complete Section 29.					
Geographic Name of Water Source <i>(Same as sources Above).</i>	Diversion (gpm/cfs)	Withdrawal Rate (gpm/pump)	Number of Pumps	Hours per Day	Days per Month
Describe the water use information for each source. For recycle/settling pond system complete Section C.					
1. Quartz Creek		600gpm	1	24	3 to 4
2.					
3.					
4.					
5.					

C. Recycle/Settling Pond System	Withdrawal Rate (gpm/pump)	Number of Pumps	Hours per Day	Days per Month	Additional Notes:
This system will also need to be listed as a water source in Section A. This entire pond system counts towards the 5 sources allowed per TWUA. Provide Length (L), Width (W), and Depth (D), of each pond. Beaver ponds or similar nature made impoundments will not be permitted for use as settling ponds.	2000 gpm	1	8	20	
	Pond # 1: L: 30ft W: 17ft D: 8ft 300ft x 175ft x 8ft			Pond # 2: L: ___ ft W: ___ ft D: ___ ft	
	Pond # 3: L: ___ ft W: ___ ft D: ___ ft			Pond # 4: L: ___ ft W: ___ ft D: ___ ft	

D. Camp Water Uses	Maximum # of People in Camp	Withdrawal Rate (gpm/pump)	Number of Pumps	Hours per Day	Days per Month	Source(s) of Water Well, Haul, Stream, Spring, Lake Source(s) will count towards the 5 sources identified in Section A.
Provide information on camp water uses. If an ADEC public drinking water system is used, please attach certificate to operate and/or associated documents.	4	N/A	0	0	0	Haul from city of Nome
Additional Notes:						

WATER USE AUTHORIZATIONS CONTINUED

(24)

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

D. SUCTION DREDGING.

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

TIMBER CLEARING AND USE
(Operations on State Lands Only)

(25)

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

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

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

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

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

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

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

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

WASTEWATER DISCHARGE PERMIT APPLICATION

(26)

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

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

Previously issued DEC-APDES Wastewater discharge permit #: N/A

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

- Mechanical Placer Miners GP (open-cut terrestrial operations): Yes No
- Medium-Size Suction Dredge GP (nozzle diameter greater than 6" to 10"): Yes No
- Norton Sound Large Dredge GP (nozzle diameter greater than 10" or mechanical dredge): Yes No

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

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.

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

Latitude: 65.3580N Longitude: - 164.6776

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.

*** TO THE BEST OF MY KNOWLEDGE.**

Operator or Agent:

J.O. Keener, Agent, not permittee

Print Name

J.O. Keener
Signature

2/23/2024

Date

STREAM DIVERSION

(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) Floodplain Width____(ft)

Dimensions of proposed diversion:

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

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

NMH Nome, LLC

**Placer Pilot Mine Plan, 2024 to 2027
Bendeleben (B-6)... N65.3580, W164.6776**

APMA F-242938

31 January 2024

Introduction, Project Location, & Access... NMH Nome LLC owns State of Alaska mining claims along the west flank of the Kougarok River and bisected by the Taylor Highway (Kougarok Road) from 80 to 85 miles north of the city of Nome. The claims reach from the Kougarok airfield and south to the north bank of Quartz Creek. Access to the project site is directly from the Kougarok Road on an existing, all-weather mine access road. The broad, flat terrace on which the claims are located is covered with frozen muskeg and overlies thin peat deposits and very thick sand and gravel deposits. Depth to bedrock is unknown, but may be deeper than 100 feet in places. The sand and gravel deposits are gold-bearing and have been pan-sampled where exposed and were previously drilled in the early 1980s by an earlier locator.

NMH has entered into an agreement with Mammoth Valley Mining LLC to utilize one of its claims that adjoin the NMH claims for a campsite. An Operator Authorization reflecting this is attached to this amendment.

Camp and Fuel Storage... It is proposed to place the NHM Camp at the former campsite used by a production company in 2022 & 2023. This site is located in an older borrow pit on ADL 612219 owned by Mammoth Valley Mining LLC (MVM). NMH proposes to place two travel trailers on a pad area measuring ~100 ft by ~100 ft. The trailers will house a crew of ~4 persons. Additionally, a 20-ft Conex will be placed on the pad to serve as a portable toolshed and shop.

Gray water and black water is treated in an existing leach field. Burnable, non-toxic camp waste will be incinerated on-site and then transferred to the City of Nome landfill. Non-burnable solid waste is hauled to the Nome landfill. Waste oil is saved in two 55-gallon drums or one 100 gallon cube and transferred to a private shop in Nome for use in a waste oil heater.

Fuel is stored in a mobile tanker truck with a 6,000 gallon capacity and will be parked at the Camp and may be moved into the Pit, if needed.

NMH Nome, LLC

**Placer Pilot Mine Plan, 2024 to 2027
Bendeleben (B-6)... N65.3580, W164.6776**

APMA F-242938

31 January 2024

2024 Mine Pilot Mine Plan... Pan sampling Kougarak gravel exposures along the margin of the old gravel pit on Quartz Creek on ADL 800521 (NMH) suggests that potentially economic quantities of gold may be found here. NMH proposes to conduct a Pilot Mining program in 2024 by preparing a Pit & Pond area that measures ~750 feet long by ~400 feet wide on ADL 800521 along the upper margin of the old pit. If this program is successful and further production is warranted, it is proposed to construct a new pond within the old gravel pit and continue processing pay gravel from the 2024 Pit.

The Pilot Pit, measuring ~750 ft long and ~250 ft wide (~4.3 ac) is prepared by dozing an average of ~4 feet of organic and silt overburden (~30,000 cy) into a stockpile along the northern margin of the Pit. The Overburden (OBN) stockpile will measure ~750 ft long by up to ~150 ft wide (~2.6 ac) and up to 10 ft high. After removing overburden, the 2024 Pond will be prepared by dozing or hauling pay gravel (PAY) from an area measuring ~300 ft long by ~175 ft wide on the east end of the Pilot Pit to an average depth of 6 ft and stockpiled on the western half of the Pilot Pit.

Start-up and Make-up Water is added to the 2024 Pond by pumping ~600 gpm from Quartz Creek using a 6-inch trash pump and 6-inch layflat hose. It is expected to require ~48 hours of pumping during high water after spring break-up to fill the 2024 Pond to a depth of at least 4 feet, which will be sufficient to begin sluicing. After start-up, water will be added, as needed, to make-up process water loss due to evaporation. The Plant will be located within the Pilot Pit and will sluice PAY into the Pond at a rate of up to 150 cubic yards per hour. About 40,000 cy of PAY will be hauled to the Plant with either a loader or a truck and then fed to the Plant with an excavator. Process water is pumped from the Pond to the Plant with an 8-inch centrifugal pump at a rate of up to 2,000 gpm. Process water is recycled 100% with zero discharge to creek. Tailings are stacked within the Pond.

2025 Mine Plan... If the 2024 Pilot Mining program is successful, it is proposed to continue production from the 2024 Pilot Pit by placing a new settling/recycle pond (2025 Pond) in the floor of the old borrow pit on ADL 612220 belonging to MVM. The pond will be excavated to a depth of ~6 ft (~9,000 cy) by dozing and stacking material into a perimeter berm measuring up to 50 ft wide and up to 8 ft tall. The Plant will be re-located onto a pad built from tailings to sluice into the 2025 Pond. Tailings will be stacked within the Pond and along the edge of the Plant pad. About 40,000 cy of PAY will be sluiced in 2025.

NMH Nome, LLC

APMA F-242938

Placer Pilot Mine Plan, 2024 to 2027

Bendeleben (B-6)... N65.3580, W164.6776

31 January 2024

2026 & 2027 Mine Plan... If the 2025 mining program is successful, it is planned to continue to process ~40,000 cy per year from the Pilot Pit using the 2025 Pond and Pad for processing pay gravel. Alternatively, if pit expansion is warranted, an amendment will be submitted reflecting the plan modification.

NMH Nome, LLC

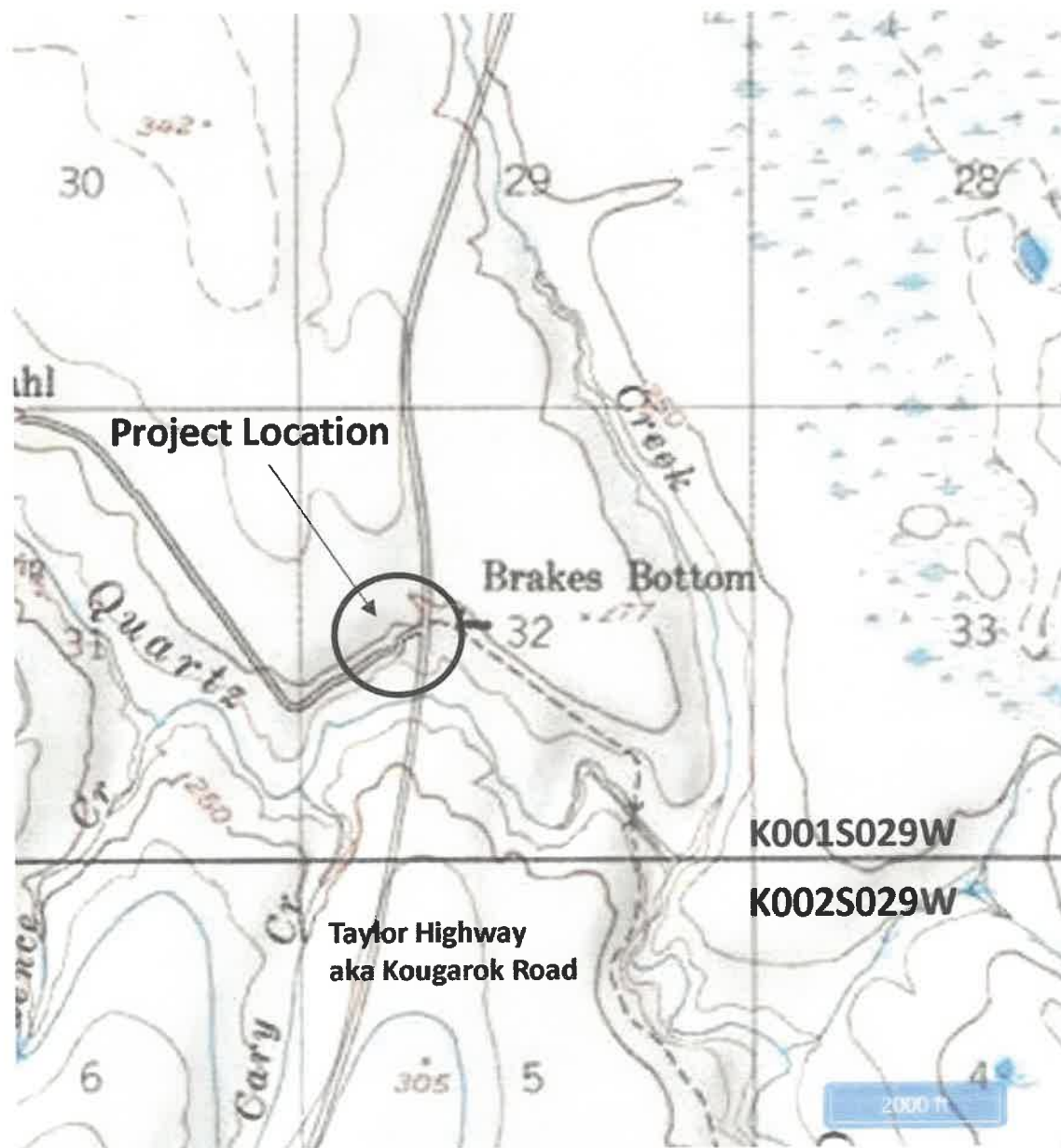
APMA F-242938

Placer Pilot Mine Plan, 2024 to 2027

Bendeleben (B-6)... N65.3580, W164.6776

31 January 2024

Project Location and Access Map... Access to project location is directly from the Kougarak Road. No road construction necessary.



Nome ~80 miles

fig. 1

NMH Nome, LLC

Placer Pilot Mine Plan, 2024 to 2027
Bendeleben (B-6)... N65.3580, W164.6776

APMA F-242938

31 January 2024

Current Conditions.

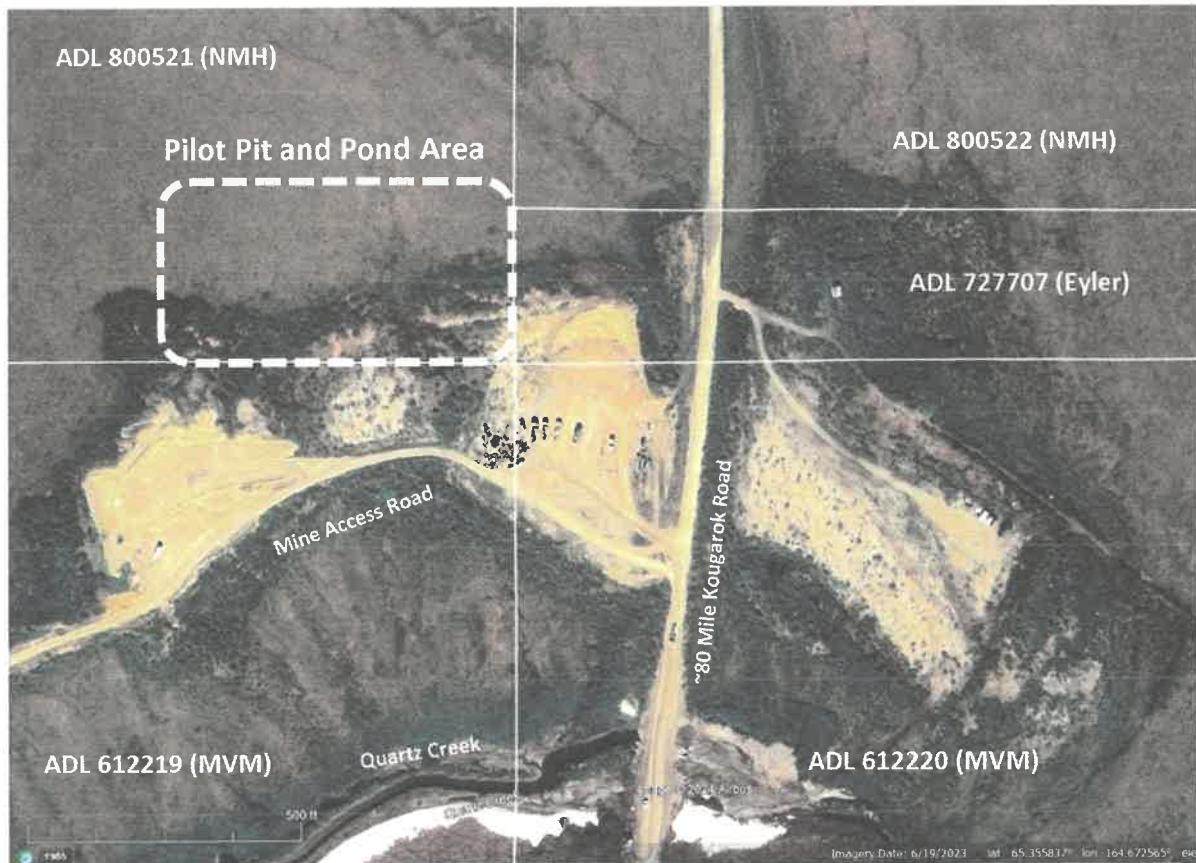


fig. 2

NMH Nome, LLC

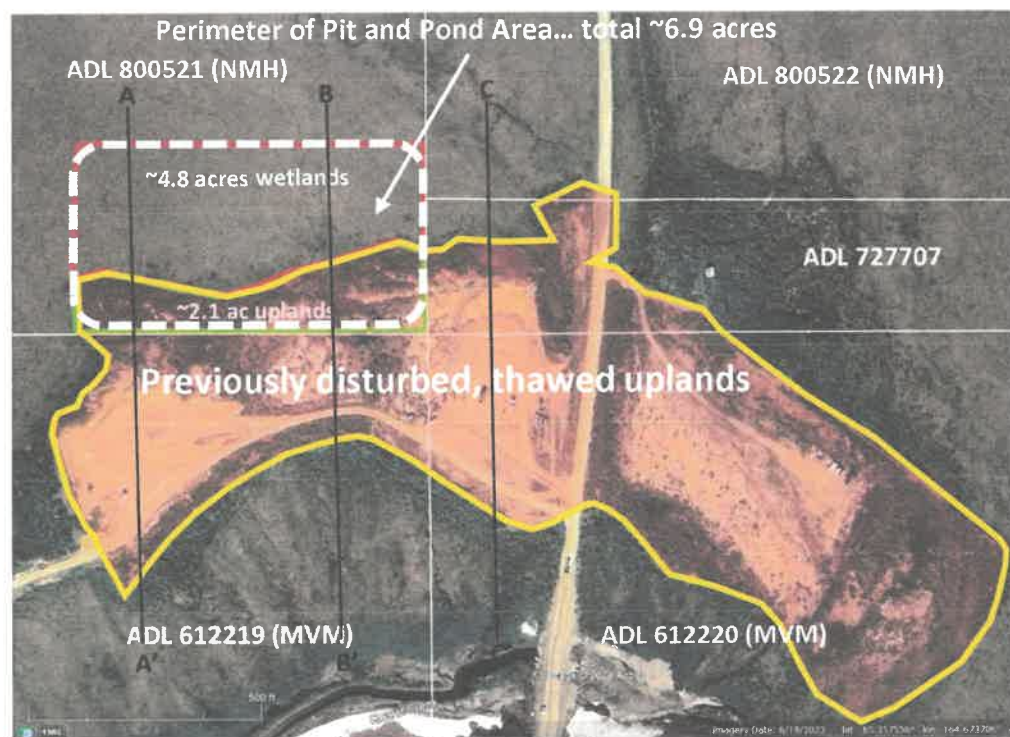
APMA F-242938

Placer Pilot Mine Plan, 2024 to 2027

Bendeleben (B-6)... N65.3580, W164.6776

31 January 2024

Potential Wetlands... It is estimated that this plan will disturb up to 4.8 acres of permafrost soils. At this location, there are several feet of muskeg and frozen peat overlying an unknown, but thick body of sorted, well-rounded sand and gravel that is frozen to an unknown depth. As described in the originating APMA for 2023, it is proposed to conduct exploration drilling to determine the characteristics of gold-bearing Kougark gravels.



The uplands within the 2024 Pit area is along the upper rim of an old gravel borrow site and is thawed, drained, and revegetated.

In summary, it is estimated that the 2024 Pit and Pond will disturb ~4.8 acres of permafrost wetlands and ~2.1 acres of thawed, drained uplands for a total active footprint of ~6.9 acres.

fig. 3

NMH Nome, LLC

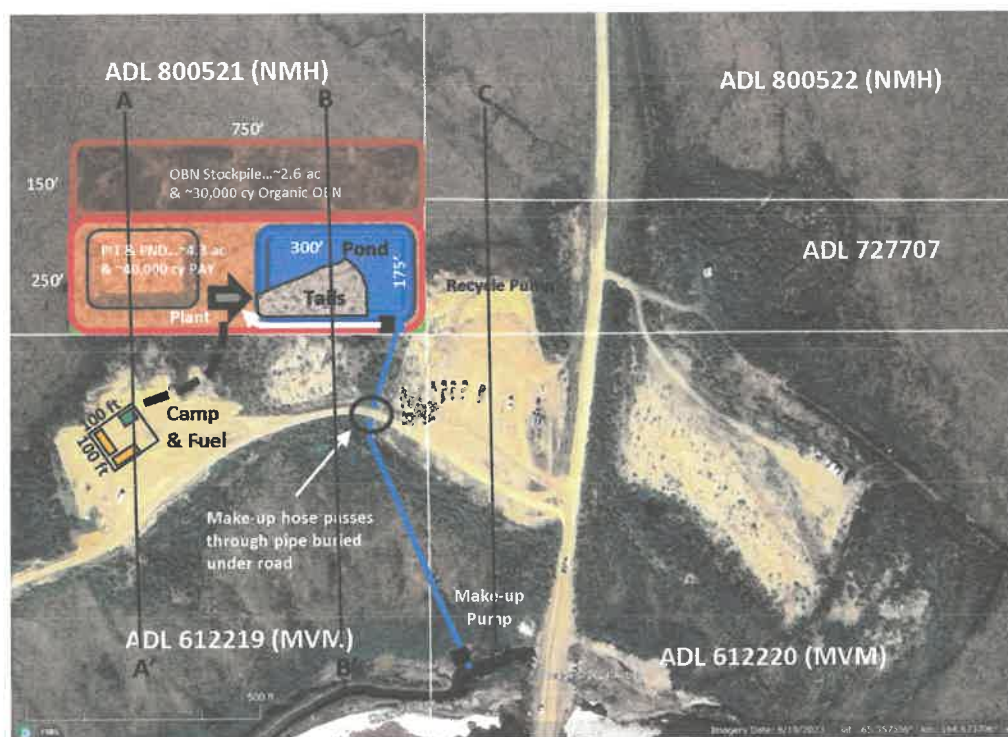
APMA F-242938

Placer Pilot Mine Plan, 2024 to 2027

Bendeleben (B-6)... N65.3580, W164.6776

31 January 2024

2024 Mine Plan... Remove ~4 ft of organic & silt overburden (~30,000 cy) by dozing and stacking in a stockpile along the north limit of the Pit. Excavate ~6 ft of pay gravel (~40,000 cy) from the east end of the Pit and stockpile on the west half of the Pit. Convert the excavation into Pond. The active mine footprint is ~6.9 acres.



Process Pay... Sluice Pay into Pond at a rate of ~150 cy/hr. Stack tailings in Pond. Recycle ~2,000 gpm of process water to Plant (100% recycle, zero discharge). Add Start-up & Make-Up water from Quartz Creek at a rate of ~600 gpm.

Camp & Fuel Storage... Two trailers and one Conex will be placed on a pad located on an existing graded gravel pad located on ADL 612219. An existing leach field is used for gray and black water. Fuel is stored at the camp site in a 6,000 gallon mobile tanker truck. Non-toxic, burnable waste is incinerated and hauled to the Nome landfill for disposal. Non-burnable waste is also hauled and disposed at the Nome landfill. Water for the camp is hauled from the city of Nome.

fig. A

NMH Nome, LLC

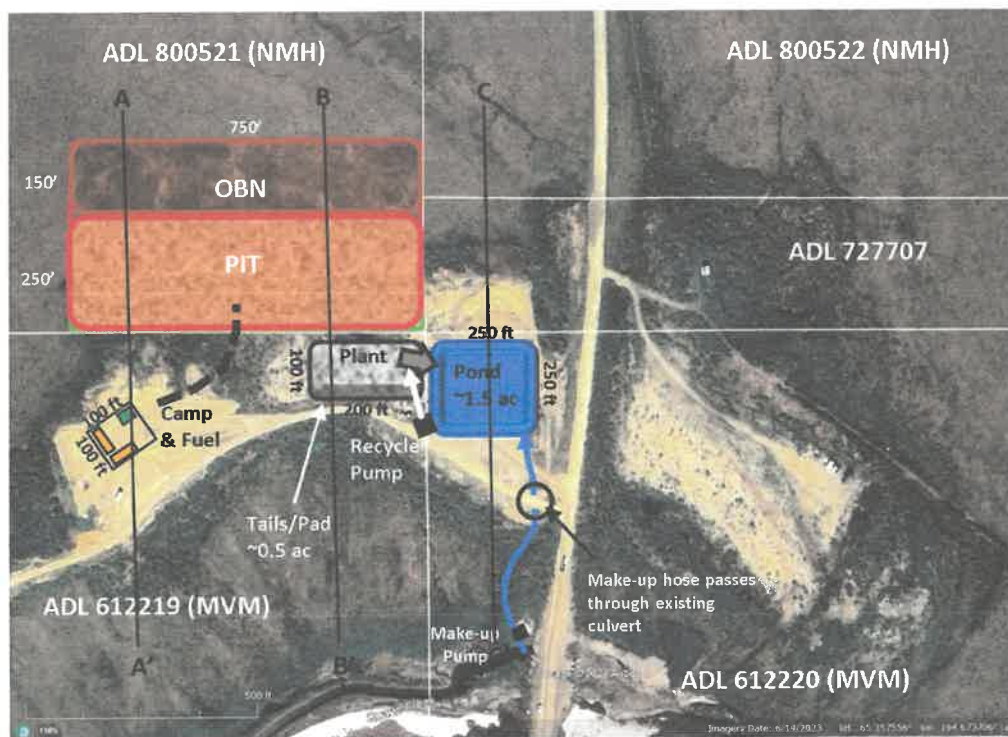
APMA F-242938

Placer Pilot Mine Plan, 2024 to 2027

Bendeleben (B-6)... N65.3580, W164.6776

31 January 2024

2025 Mine Plan... If the Pilot Mining program is successful, a new pond will be constructed in an existing pit. Water remaining in the 2024 Pond will be re-used in the 2025 Pond. 2025 tailings are used to build a pad to relocate the Plant. ~40,000 cy of Pay will be hauled to the Plant with a truck. Tailings are placed along the pad and stacked within the Pond. The active mine footprint is increased from ~6.9 acres to ~8.9 acres.



2026 & 2027... If continued mining at this location is warranted, an amendment will be submitted reflecting changes to this plan.

fig. 5

NMH Nome, LLC

APMA F-242938

Placer Pilot Mine Plan, 2024 to 2027

Bendeleben (B-6)... N65.3580, W164.6776

31 January 2024

Reclamation Plan... Reclamation of all mining disturbance will take place at the conclusion of production from the 2024 Pit. The overburden stockpile and pit will be reclaimed by partly backfilling with tailings and grading the overburden into the pit, creating a shallow, seasonal pond on its floor to provide for a functional lift to the habitat. Natural revegetation is anticipated to be rapid.

If mining concludes after the 2024 mining season, the 2024 Pond will be reclaimed by backfilling with tailings and grading over with the reserved overburden as described for the 2024 Pit. If the 2025 Pond and Tails pad are constructed, they will be reclaimed by back filling with tailings and grading the surface to blend with the surroundings and provide for rapid re-vegetation.

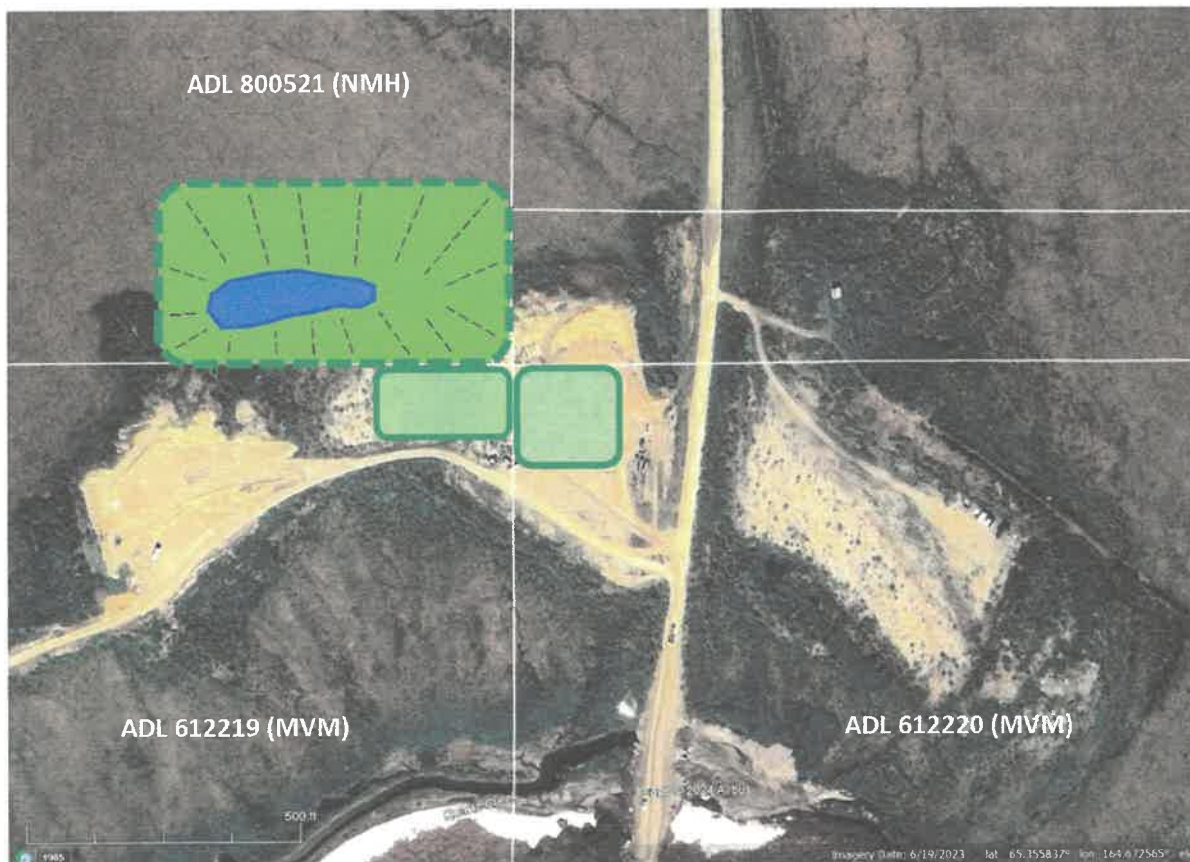


fig. 6

NMH Nome, LLC

Placer Pilot Mine Plan, 2024 to 2027

Bendeleben (B-6)... N65.3580, W164.6776

APMA F-242938

31 January 2024

Surface Profiles obtained from Google Earth (6/19/2023)

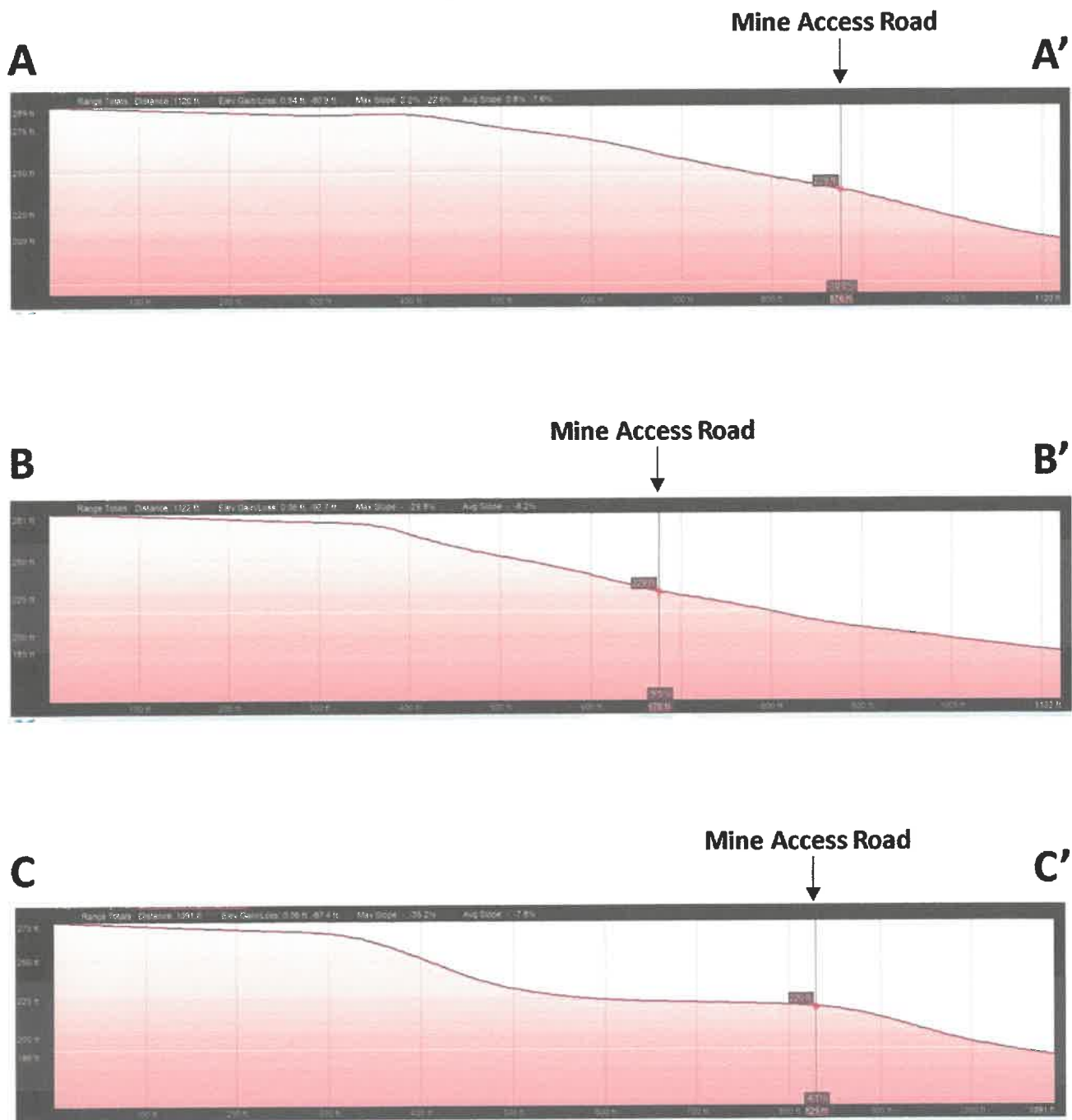


fig. 7

NMH Nome, LLC

Placer Pilot Mine Plan, 2024 to 2027
Bendeleben (B-6)... N65.3580, W164.6776

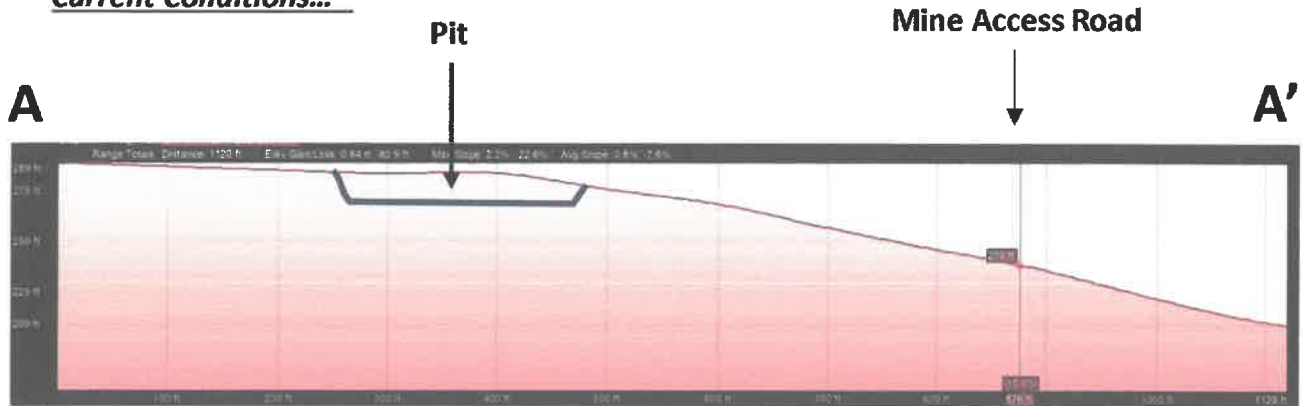
APMA F-242938

31 January 2024

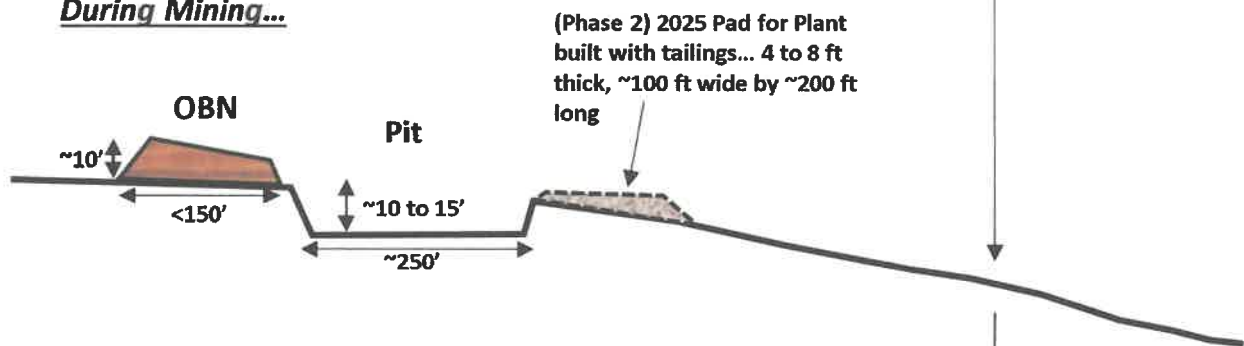
Cross-Section A to A'

Not to Scale

Current Conditions...



During Mining...



After Reclamation...



fig. 8

NMH Nome, LLC

**Placer Pilot Mine Plan, 2024 to 2027
Bendeleben (B-6)... N65.3580, W164.6776**

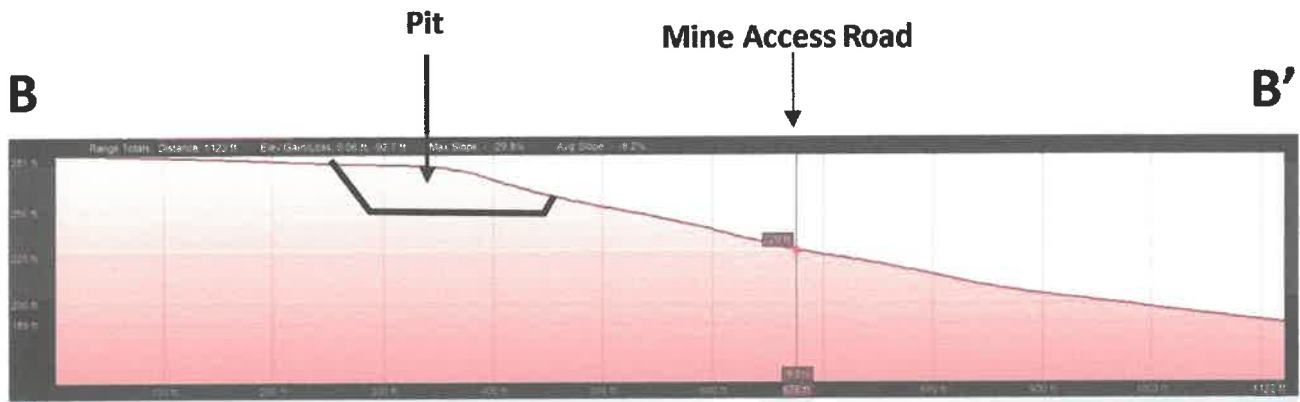
APMA F-242938

31 January 2024

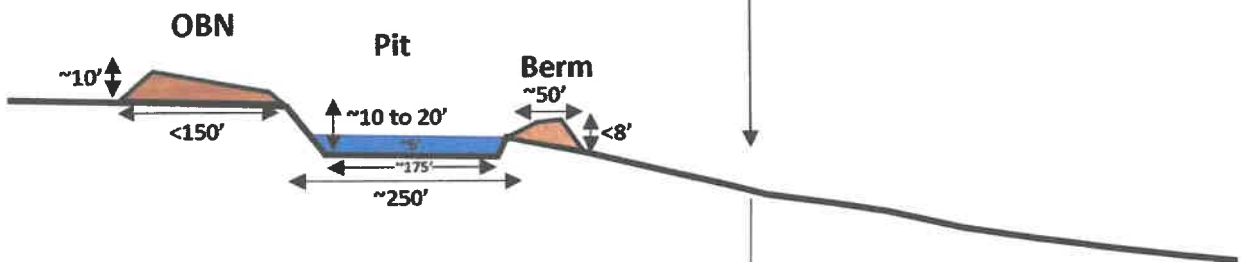
Cross-Section B to B'

Not to Scale

Current Conditions...



During Mining...



After Reclamation...

Reclaimed Pond, Berm, & OBN stockpile



fig. 9

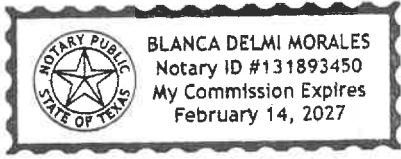
NOTICE OF OPERATOR AUTHORIZATION -- MINERAL LOCATIONS

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>Jason Otteson, Mammoth Valley Mining LLC</u> , OWNER of mineral property(s): List all mineral properties by their casefile number (ADL/AKFF/USMS) or legal description (MTRS). <u>ADL 612219</u> _____ <u>ADL 612220</u> _____ (Attach additional sheet if necessary) Have authorized <u>NMH Nome LLC</u> Address of Operator <u>10604 Marbury Ct., Austin, TX 78726</u> <u>11701 FM 2244 # 185, AUSTIN TX -</u> to operate on these claims from <u>1/1/2024</u> to <u>12/31/2027</u> Owner's Signature <u>[Signature]</u> Date <u>2-19-2024</u>	Check Type of Mineral Property(s) <input checked="" type="checkbox"/> State ADL <input type="checkbox"/> Federal AKFF/AKAA <input type="checkbox"/> USMS <input type="checkbox"/> MTRS (Native Lands)
--	---

NOTARY Subscribed and sworn to before me this <u>19th</u> day of <u>Feb.</u> , 20 <u>24</u> . For (owner) (Signature of Notary) <u>[Signature]</u> My commission expires: <u>Feb. 14, 2027</u>	
---	---

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

I, _____, LESSEE of mineral property(s): List all mineral properties by their casefile number (ADL/AKFF/USMS) or legal description (MTRS). _____ _____ (Attach additional sheet if necessary) have authorized _____ to operate on these claims from ____/____/____ to ____/____/____. Lessee's Signature _____ Date _____ Lessee's Address _____	Check Type of Mineral Property(s) <input type="checkbox"/> State ADL <input type="checkbox"/> Federal AKFF/AKAA <input type="checkbox"/> USMS <input type="checkbox"/> MTRS (Native Lands)
---	--

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

**STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES
STATE WIDE BOND POOL FORM**

APMA # F-2938

NMH Nome LLC

Name
11701 FM 2244 Suite 185

Mailing Address

Austin Texas 78738

City State Zip Code

Submits unto the State of Alaska, Department of Natural Resources, the sum of
\$ One thousand and fifty & 00/100 DOLLARS

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

ADL 800521

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

T1S, R29W, S-32 of KRM

This bond amount was calculated as follows:

For **Federal Claims**: The total area of the mining operation, including camp site, access roads, unreclaimed areas, and areas to be stripped for mining next season is 7 acres. Acreage should be rounded to the next whole acre. This acreage must include all areas disturbed by mining operations after January 1, 1981, that have not been approved as reclaimed by BLM. If a mining operation disturbs a previously mined area, that area must also be included in the acreage to be bonded.

For **State and Patented Claims**: The active mining disturbance, not including camp and access roads is ~7 acres (acreage should be rounded to the next whole acre). This includes all areas that are part of the mining operation; including stripped areas, mining cuts, overburden and tailing stockpiles and disposal areas, temporary or permanent stream diversions, and settling ponds. This acreage must include all areas disturbed by a mining operation after October 15, 1991 that have not been approved as reclaimed by ADNDR. If a mining operation disturbs a previously mined area, that area must also be included in the acreage to be bonded.

Refundable bond deposit (new): 7 acres X \$112.50 = \$ 787.50

Nonrefundable bond pool annual fee (new): 7 acres X \$ 37.50 = \$ 262.50

Total \$ 1,050.00

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

A.O. Kow / AGENT 2/23/2024
Signed Miner Date

ADNR - Division of Mining, Land & Water Date

BLM - Bureau of Land Management Date

2023 ANNUAL RECLAMATION STATEMENT

(33)

- Placer Mining
- Suction Dredging
- Hardrock Exploration

APMA # F-232938

Complete and return this statement by December 31, 2023. 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, Jeffrey O. Keener, agent for NMH Nome LLC hereby file an annual reclamation statement for the 2023 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 2023: 0 cubic yards (Includes strippings and processed material.)

Sluice days last season: 0 Cubic yards of material processed daily: N/A Annually: N/A

Total acreage disturbed in 2023: State 0, Federal N/A, Private N/A. (Includes stripped areas, mining cuts, overburden and tailing stockpiles and disposal areas, temporary stream diversions, stream bypasses, and settling ponds.) Federal operators should include area of camp and access roads.

Length N/A feet and Width _____ feet of stream diversion.

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

Total Area reclaimed in 2023: 0 acres.

Total un-reclaimed acres: 0 (This should match "total acreage currently disturbed" on the 2024 Reclamation Plan Form.)

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

You must include photographs or videotapes of the completed reclamation work:

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

Other Reclamation Measures Taken:

Did not operate in 2023 and therefore did not conduct reclamation.

Relationship to Claim(s)

Owner Lessee Operator

Signed Jeffrey O Keener Date 3/7/2024

Agent For: NMH Nome LLC

2024 RECLAMATION PLAN FORM (PLACER EXPLORATION OR MINING)

<input checked="" type="checkbox"/> A. RECLAMATION PLAN (REQUIRED if the operation will disturb five or more acres this year, OR 50,000 cubic yards, OR if the operation has a cumulative disturbed area of five or more acres).	<input type="checkbox"/> B. RECLAMATION PLAN VOLUNTARY (for an operation below limits shown in Box A but wanting to qualify for the statewide bonding pool. (Operations on BLM Lands and others not filing Letter of Intent).	<input type="checkbox"/> C. LETTER OF INTENT (35) (less than five acres to be disturbed AND less than 50,000 cubic yards AND less than five acres unreclaimed area).
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In accordance with Alaska Statute 27.19, reclamation is required of all mining operations. Reclamation bonding is required of operations with disturbance of 5 acres or greater. Completion of this application will meet the requirements for a "Reclamation Plan" for operations 5 acres and larger in size and for a "Letter of Intent To Do Reclamation" for operations under 5 acres. If you do not intend to use the reclamation methods presented below, you must provide additional information concerning your plans for reclamation under separate attachments.

Total acreage currently disturbed: 0 acres. This should match: "Total Unreclaimed Acres" on your 2023 Annual Reclamation Statement for Small Mines, or line #7 on your 2024 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 2024 ~7 acres. Total acreage (currently disturbed plus new acres): ~7 acres.

Acreage disturbed by land status: ~7 State (general) _____ State (Mental Health) _____ Private _____ Federal _____

Total acreage to be reclaimed in 2024: ~7 acres; Total volume of material to be disturbed in 2024: ~70,000 cubic yards.

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

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

THE FOLLOWING RECLAMATION MEASURES SHALL BE USED:

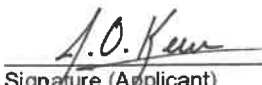
(These measures are required by law. Those that do not apply may be crossed out; but, an explanation must be given as to why these measures are not necessary at your site.)

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

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

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

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

I.O. Keener, Agent & not permittee Printed name (Applicant)  Signature (Applicant)	Relationship to Mineral Property: <input type="checkbox"/> Owner <input type="checkbox"/> Lessee <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Agent For: <u>NMH Nome LLC</u>	Date: <u>2/23/2024</u> APMA #: <u>F-2938</u>
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NMH Nome, LLC

Placer Pilot Mine Plan, 2024 to 2027

Bendeleben (B-6)... N65.3580, W164.6776

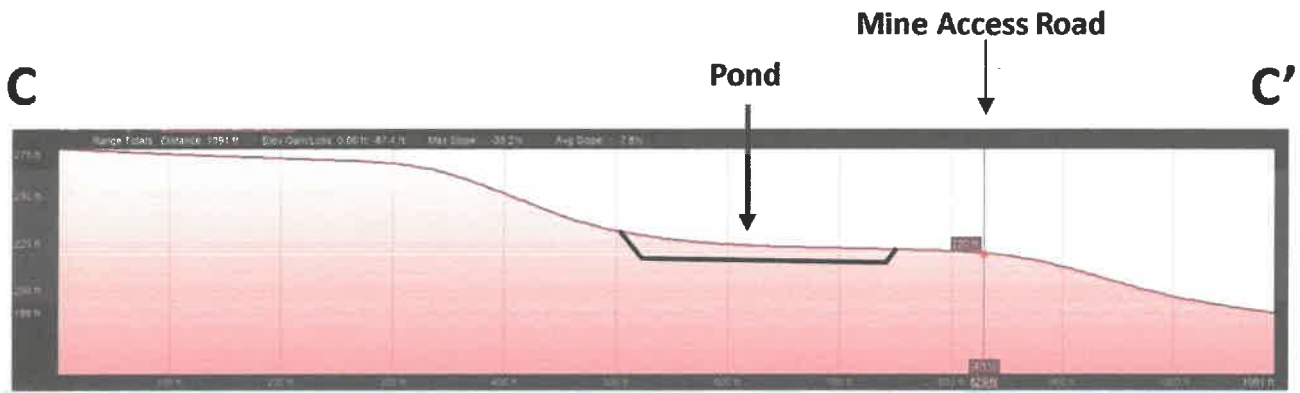
APMA F-242938

31 January 2024

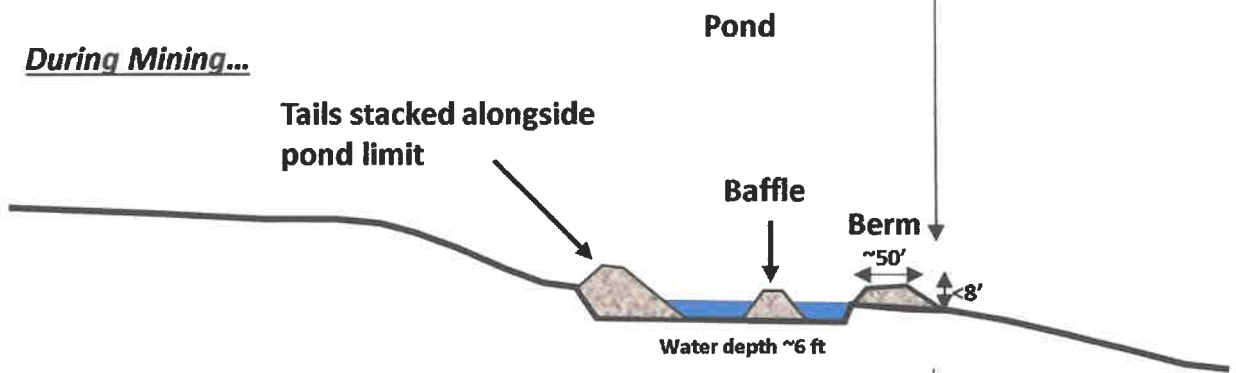
Cross-Section C to C' (Optional location for Pond)

Not to Scale

Current Conditions...



During Mining...



After Reclamation...



fig. 10