THE STATE of ALASKA
GOVERNOR SEAN PARNELL

Department of Natural Resources
Division of Mining, Land & Water

ANCHORAGE OFFICE
550 West 7th Avenue Suite 900B
Anchorage, AK 99501
(907) 269-8647
Fax: (907) 269-8949
FAIRBANKS OFFICE
3700 Airport Way
Fairbanks, AK 99709-4699
(907) 458-6896 or

(907) 451-2774
FAX: (907) 451-2703

October 10, 2013

Dear Miner:

Attached you will find the 2014 Application for Permits to Mine in Alaska (APMA). As always we encourage you to submit your application early.

If assistance is required, please contact one of our offices – Anchorage (907) 269-8647 or in Fairbanks (907) 458-6896 or (907) 451-2774. We post the applications and related forms to our web page at: http://www.dnr.alaska.gov/mlw/forms.

Sincerely,

Jeffry A. Rogers

Jeff Rogers
Geologist II

"To responsibly develop Alaska's resources by making them available for maximum use and benefit consistent with the public interest."

STATE OF ALASKA

Application for Permits to Mine in Alaska (APMA); For placer mining, suction dredging, and hardrock exploration

Generally, to conduct such activities in the State of Alaska, permits and licenses may be needed from several State and Federal agencies. For convenience, your APMA will be initially reviewed for completeness by the Alaska Department of Natural Resources (ADNR) and then distributed to the other agencies involved for formal review.

This application should satisfy the requirements to obtain permits and approvals from the following government agencies:

ADNR Division of Mining, Land & Water (DMLW), Mining Section (DNR-Mining)

- Miscellaneous Land Use Permit (MLUP): For mining activity on State claims, prospect sites, upland and offshore mining leases
- Reclamation Plan of Approval: For mining activity on private property with greater than 5 acres disturbance and all State land
- Winter Cross Country Travel
- Surface Structures: Placement and/or use of any structure must be requested in writing and approved in advance. An active MLUP is needed for structures and/or equipment to remain on State land. (AS 38.05.255(a)).

ADNR DMLW, Land Section (DNR-Lands)

- MLUP: For access and surface activities on State land other than claims, prospect sites and mining leases
- Summer cross country travel: Easements are needed to construct access outside of a claim block. "Construction" is the use of mechanized equipment to create or improve access, including dropping the blade or bucket, and/or adding gravel to the surface. Applications may require six months to one year to process. Performance guarantee may be needed before a permit will be issued and will only be released after travel is completed and no trail damage has occurred. As-built surveys after work is done may be required as well.

ADNR DMLW, Water Section (DNR-Water)

- Temporary Water Use Permit, Water Rights Permit, or Certificate, for significant water usage (including the use of 100% recycle systems). For questions, contact Kindra Geis (907) 451-2790 kindra.geis@alaska.gov

Alaska Department of Fish & Game (ADF&G)

- Fish Habitat Permit (Title 16): Any equipment or vehicles fording anadromous streams, alteration of the bed and/or banks, water withdrawals, stream diversions and suction dredging in any fish bearing waters.
  For questions, contact:
  South Central/Southwest/Anchorage Office, Jacob Cunha (907) 267-2342 or Jacob.cunha@alaska.gov
  Interior/Northern/Arctic/Fairbanks Office, Laura Jacobs (907) 459-7289 or laura.jacobs@alaska.gov
  Mat-Su/Palmer Office, Ron Benkert, (907) 861-3201 or ronald.benkert@alaska.gov
  Kenai Peninsula/Soldontna Office, Ginny Litchfield (907) 714-2477 or ginny.litchfield@alaska.gov
  Southeast/Douglas Office, Jackie Timothy (907) 465-4275 or Jackie.timoth@alaska.gov
  Craig Office, Mark Minnillo (907) 826-2560 or mark.minnillo@alaska.gov

Department of Environmental Conservation (DEC)

- Wastewater Discharge General Permit authorization: For discharges to waters of the U.S. Separate application may be needed for an individual permit. For placer mining questions, contact Nick Dallman at (907) 451-2142 or nicholas.dallman@alaska.gov. For hardrock exploration questions, contact Tim Pilon (907) 451-2136 or tim.pilon@alaska.gov.

Environmental Protection Agency (EPA)

- EPA Spill Prevention Control and Countermeasures (SPCC): For projects with cumulative fuel volume on site larger than 1320 gallons. Fuel volumes larger than 10,000 gallons must have a SPCC plan certified by a professional engineer. For additional information contact Matthew Carr at (907) 271-3616 Carr.Matthew@epa.gov or visit http://www.epa.gov/osweroe1/content/spcc/

Department of Revenue (DOR)

- Alaska Mining License: Contact Cecilia Licht, (907) 269-1017 or cecilia.licht@alaska.gov.

State Historical Preservation Office (SHPO)

- In consideration of potentially significant historic properties/cultural resources, please do not remove or disturb any buildings, structures, objects, or artifacts that were located on the site prior to conducting permitted activities If you have questions please contact Mark Rollins of SHPO at (907) 269-8722 or mark.rollins@alaska.gov

Bureau of Land Management (BLM)

- Notice or Plan of Operation: Go to the BLM - Alaska Minerals webpage at http://www.blm.gov/ak/st/en/prog/minerals.html and read the BLM Instructional Supplement to determine what additional information is required before your APMA can be processed. The BLM has prepared Supplemental

Forms, posted on the Mineral webpage, to help you provide all of the information required by BLM mining regulations (43 CFR 3809). Contact your local BLM Field Office before submitting your APMA and BLM Supplements to ensure all necessary information is included and to avoid delays in processing your application.

U.S. Army Corps of Engineers (USACE)

- Under Section 404 of the Clean Water Act (CWA), the USACE has jurisdiction over mechanical clearing and placement of fill into waters of the U.S, which includes streams and wetlands. The CWA applies to operations on federal, state, and private lands. A wetland Jurisdictional Determination is required under Section 404.
- For all access constructed across "wetlands", ponds, streams, or other waters of the U.S. including those within your claim block. It is the responsibility of the applicant to contact the USACE for a determination.
- For questions contact Deb McAtee in Fairbanks: Debby.J.McAtee@usace.army.mil (907) 474-2166 or Leslie Tose in Anchorage: Leslie.W.Tose@usace.army.mil (907) 753-2712 or (800) 478-2712.

Do not assume that you have all permits you require. We strongly suggest that you contact each agency to be sure your application has been received and processed. Please read the stipulations of your permits carefully. Non-compliance can result in revocation of authorizations and financial penalties.

In accordance with Alaska Statute 27.19, miners may not engage in mining operations on State land until a reclamation plan has been approved. Operations fewer than five acres must submit a Letter of Intent to Conduct Reclamation and file an Annual Reclamation Statement. Reclamation Statements submitted by December 31st will insure timely processing. Operations of five acres or more, must be bonded. You may either join the State Wide Bond Pool or you may submit evidence of an individual performance bond. All plans and notices on BLM managed lands as per 43 CFR 3809.10 require a separate reclamation plan to be filed with BLM. If your operation involves federal land, you must obtain BLM approval of your bonding prior to submission of your application to DNR-Mining.

Amended Plans: Changes in operation must be submitted in writing and approved in advance before the start of such activity.

A $150.00 processing fee is charged when an APMA is submitted and thereafter $50.00 is charged for each amendment to the application.

- "Multi-Year" MLUP and Reclamation Plan Approval and Approved Plan of Operations (for up to five years): $150.00 payable when APMA is submitted and a discounted $50.00 fee for each additional year.
- Make check or money order payable to "Department of Natural Resources."

Applicants who request a mixing zone from DEC (section #27) are subject to an additional $150.00 annual fee. A $25.00 discount is available to facilities with fewer than 20 employees. DEC will mail a separate invoice upon authorization.

Interagency supplemental forms and documents are available at: http://dnr.alaska.gov/mlw/forms/?tab=mining

Submit completed applications to one of the following DNR offices

	State Division of Mining, Land & Water or 550 W. 7th Ave. Suite 900B Anchorage, AK 99501-3577	State Division of Mining, Land & Water 3700 Airport Way Fairbanks, AK 99709-4699
Telephone:	(907) 269-8647	(907) 458-6896, (907) 451-2774 or (907) 451-2791
FAX:	(907) 269-8949	(907) 451-2703

APMA Instructions and Check List

Applications are processed in the order they are received. Applications submitted after May 1 may not be processed before the start of the mining season. Applicants who need winter cross country travel should submit their application at least 4 weeks before the planned travel.

State mining regulations require applications to be completed in ink or typed. Maps and plans can be in black and white or in color, provided they are on 8 1/2 " x 11" sized paper in order to ease distribution. Over size maps and plans needed to clarify complex operations, are allowed so long as 8 1/2" x 11" sized equivalents are included.

If an applicant is requesting authorization to conduct permitted activities on more than 12 claims, planning 5 or more drill holes or trenches, using more than 5 water take points or conducting in-stream activities in more than 5 locations, then the tabular information in electronic Micro Soft Excel is preferred. A template is downloadable at: http://dnr.alaska.gov/mlw/forms/?tab=mining. Please use the workbook provided. Electronic application materials can be submitted by e-mail to dnr.fbx.mining@alaska.gov or provided on other media with application packet.

Please review the following checklist and make certain all applicable items are included before submitting the application. Processing of incomplete applications is often delayed.

- [ ] Are the applicable processing and bond pool fees enclosed?
- [ ] Have you written "N/A", or draw a diagonal line through any un-applicable sections?
- [ ] Is there a current, legible sketch and narrative of proposed operation? (See sketch checklist)
- [ ] Is the reclamation page signed and dated and the appropriate boxes checked?
- [ ] Is the Annual Reclamation Report dated and signed?
- [ ] If you are not the owner of the listed State mineral locations, have you provided a Notice of Operator Authorization?
- [ ] If applicable, have you completed a State Wide Bond Pool Form or State Wide Bond Pool Renewal Form? Include BLM signature if Federal claims are listed.
- [ ] Have you included MSDS sheets for all drilling fluids?
- [ ] Are all your maps and sketches, paper or electronic, included?
  - [ ] Plan map and cross section of operations, (see instructions near back of application packet)
  - [ ] Access map: Include the appropriate U.S. Geological Survey (USGS) topographic map or maps at a scale of one inch equals one mile (1:63,360) overlain with the proposed access route. Identify entire access on and off your claim block from a major road system, airstrip, or boat landing. Reproduced portions of maps in 81/2" x 11" size are acceptable, provided they are readable and suitable for copying. Each map should be clearly identified with a USGS identifier, i.e. Fairbanks A-3; and a legal description (meridian, townships and ranges involving the route).
  - [ ] Have you provided a map of your claims? Include a USGS topographic map illustrating: location; claim name; claim number; camp location; airstrips; and appropriate USGS map identifier. Identify those claims with past disturbance and those on which activity will take place this season.

For DNR internal use only:

Reviewed by: _____

Date: _____

STATE OF ALASKA

Application for Permits to Mine in Alaska (APMA)

☐ Single Year ☐ Multi-year - Start:_____ Finish:_____ APMA_____(**District/Year/Number)**

Project name if applicable e.g.: 'Donlin'

What type activity are you planning to perform?

☐ Exploration/Reclamation ☐ Access Equipment

☐ Mining/Reclamation ☐ Suction Dredge

☐ Hardrock Exploration/Reclamation ☐ Reclamation

Surface estate of mineral properties:

☐ State (General) ☐ State (Mental Health)

☐ Private (Patented) ☐ Federal

☐ Private (Native Corp.) ☐ Borough **(1)**

Check, as appropriate, and indicate permit number, if any of the following agencies have previously issued permits for these mineral properties:

☐ DNR-Water TWUP/ADL/LAS No:_____ ☐ DEC- APDES Wastewater discharge permit #: **(2)**

☐ ADF&G – Habitat Permit No: _FH-_____Date expires

☐ BLM – Notice_____ Authorization_____Occupancy

☐ USACE Permit No(s) for this APMA # POA-_____-_____, POA - _____-_____.

☐ Other State or Federal Permit No: _____.

Mineral Property Owners: **(3)** Company name and contact name if applicable	Lessee: **(4)** Company name and contact name if applicable	Operator: **(5)** Company name and contact name if applicable
Mailing Address for official correspondence:	Mailing Address for official correspondence:	Mailing Address for official correspondence:
Home# (winter):	Home# (winter):	Home# (winter):
Work# (winter):	Work# (winter):	Work# (winter):
Home# (summer):	Home# (summer):	Home# (summer):
Work# (summer):	Work# (summer):	Work# (summer):
Cell/Satellite:	Cell/Satellite:	Cell/Satellite:
FAX:	FAX:	FAX:
E-mail:	E-mail:	E-mail:
Winter contact effective dates _____to_____. Summer contact effective dates _____to_____.	Winter contact effective dates _____to_____. Summer contact effective dates _____to_____.	Winter contact effective dates _____to_____. Summer contact effective dates _____to_____.
Previous Mining License Number: **(6)**	# of Workers: **(7)**	Start-up/Shut Down: (Month/Day) **(8)** _____to_____.
Mining District: **(9)**	Applicable USGS Map: **(10)**	On What Stream Is This Activity? **(11)**

Legal Description of Mineral Properties To Be Worked and other projected related activities (MTRS): **(12)**

Revised 12/2013

MINERAL PROPERTIES LIST (13)

List only mineral properties with current and planned disturbance.
Attach additional sheets as necessary AND provide in electronic, tabular format if you are submitting more than 12 properties
DNR template available at http://dnr.alaska.gov/mlw/forms/?tab=mining.

	ADL/BLM/USMS #	PROPERTY NAME		ADL/BLM/USMS #	PROPERTY NAME
1.			7.		
2.			8.		
3.			9.		
4.			10.		
5.			11.		
6.			12.		

DESCRIPTION OF EQUIPMENT (14)

List all mechanized equipment to be used (type, size, purpose, and number of each, including pumps).

IN-STREAM ACTIVITIES and STREAM CROSSINGS (15)

List any equipment that will be crossing streams.

List any equipment that will be used in streams.

Describe method(s) used to prevent fish entrapment.

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

	Stream Name	NAD 83 Datum (approximate) Coordinates can be obtained using Alaska Mapper http://dnr.alaska.gov/MapAK/		MTRSC ¼ ¼ Ex: F001S001N01 SWSW	Check boxes to indicate type(s) of activity		
		Latitude ddd.mmmm	Longitude -ddd.mmmm		Crossing	Dredging	Pump 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 (DNR template available at http://dnr.alaska.gov/mlw/forms/?tab=mining).

ACCESS OUTSIDE OF 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.

A completed access map must be submitted with your application. Copies of USGS topographic maps at a scale of 1"=1 mile must clearly indicate the proposed access route from start to finish and include appropriate legal descriptions (township and range) on each map sheet. The quadrangle map name should also be indicated (Healy A-3, etc.). Paper size should be limited to 8 ½" x 11". Do not tape maps together.

Access outside the claim block crosses what type of land(s)? ☐ State (General) ☐ State (Mental Health) ☐ Borough ☐ Federal ☐ Private ☐ Private (Patented) ☐ Private (Native Corp. Land)

Does the proposed route of travel include use of RS 2477 access? ☐ Yes ☐ No. If the RS 2477 ROW has a State of Alaska RST number, please list _____.

If not, do you wish to nominate the route for RST assertion? ■ Yes ☐ No.

Access is: ☐ Existing ☐ To be constructed off of claim block ☐ Both

Indicate Type(s) of existing access:

☐ All Season Road: May be an improved dirt road intended to be used during all seasons of the year without causing long term damage to the road.

☐ Summer Cross Country Travel off of claim block that is not generally allowed

☐ Existing airstrip ☐ Airstrip to be constructed off of claim block

☐ River

☐ Winter Cross Country Travel that is not generally allowed - Travel is not authorized if damage could occur.

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

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

List all equipment and vehicles being transported:

Are you transporting fuel? ☐ Yes ■ No If "yes ", indicate type and amount:

Are you transporting other petroleum products? ☐ Yes ☐ No If "yes", indicate type and amount:

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.)

Indicate proposed dates for each period of cross country travel:

PLACER MINING METHOD (17)

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

☐ 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 Name						
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:	
Operation on Sea Ice (Yes/No)	Yes☐ / No☐		Yes☐ / No☐		Yes☐ / No☐	

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

Additional Dredges (include all information above):

List any APMAs that include additional dredges:_____.

EXPLOSIVES (18)

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

FUEL AT MINE SITE (19)

Total Volume of Fuel Stored in 55 Gallon or Larger Containers:_____ Gallons

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

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

STRUCTURES / FACILITIES (20)

☐ Request use of existing facilities (Indicate number and size of each):

Area of Camp: Length _____ Feet Width _____ Feet

☐ Frame _____ ☐ Trailer _____ ☐ Tent/Tent Frame _____ .

☐ Request authorization to place temporary structures **(**Indicate number and size of each):

Area of Camp: Length _____ Feet Width _____ Feet

☐ Frame _____ ☐ Trailer _____ ☐ Tent/Tent Frame _____ .

☐ Camp authorization not needed

If camp is on private land, provide camp name: _____ and camp location: _____.

EXPLORATION TRENCHING (21)

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

Estimated number of trenches to be excavated: _____.

Average Size: Length: _____ Feet Width: _____ Feet Depth: _____ Feet

How long will trenches be open? _____.

Trench Location and Mining Claim Information			
Trench ID on Map	ADL/BLM/USMS NUMBER	NAD 83 Datum - Coordinates can be obtained using Alaska Mapper http://dnr.alaska.gov/MapAK/.	
		Latitude	Longitude (approximate)

If more than 5 trenches, please provide data in tabular format (http://dnr.alaska.gov/mlw/forms/?tab=mining).

EXPLORATION DRILLING (22)

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

Number of Holes To Be Drilled: _____ Type of Drill Used: _____.

Estimated Maximum Depth: _____ Feet Diameter of Holes: _____ Inches

Will water be used? ☐ Yes ■ No

How Will Drill Holes Be Plugged Upon Completion? _____.

Placer Drill Hole Location and Mining Claim Information			
Drill Hole ID on Map	ADL/BLM/USMS NUMBER	NAD 83 Datum - Coordinates can be obtained using Alaska Mapper. http://dnr.alaska.gov/MapAK/	
		Latitude	Longitude (approximate)

If more than 5 holes, please provide data in tabular format (http://dnr.alaska.gov/mlw/forms/?tab=mining).

WATER USE AUTHORIZATIONS (23)

☐ Water used/re-circulated while placer mining

Total quantity of water for placer operation _____ gallons per day (gpd)

Total number of pumps used in operation _____ Recycle Pump: Return Line Size: _____ inches

Estimated hours per day that pump will be used: _____.

☐ Make-up water to fill/re-fill ponds ☐ start up water at the start of the season. Estimated gallons _____.

Source of Make-up Water: ☐ Groundwater Gain From Cut ☐ High Water Events From Rain

☐ Seepage Infiltration From Stream ☐ Directly from Stream (Name) _____.

☐ Other: _____.

Method of taking water: ☐ Seepage infiltration ☐ Pump with intake size of _____ inches

☐ Gravity feed – hose diameter _____ ☐ Diversion ditch from stream with head-gate ☐ Other: _____.

Estimated average amount of make-up water _____ Gallons/day, or _____ Gallons/week _____.

Pumping rate of _____ gallons/minute operating for _____ hours per day with intake diameter: _____ inches

Maximum pump rate for any pumps operated within a stream or lake _____ gallons per minute (gpm)

Screened intake structure type: ☐ Screened box ☐ Screened cylinder

Screened intake dimensions: screen, box, or cylinder): _____.

Screened intake outer mesh size: _____.

☐ Camp water use ☐ Yes ■ No

Quantity of water needed for camp use _____ gpd.

Camp water source: ☐ Well ☐ Haul ☐ Stream ☐ Spring ☐ Lake

Name of water source (if any): _____.

Camp pump intake diameter _____ Camp pump rate _____ gpm

Maximum pump rate for any pumps operated within a stream or lake _____ gpm

Screened intake structure Type: ☐ Screened Box ☐ Screened Cylinder

Screened intake dimensions: screen, box, or cylinder): _____.

Screened intake outer Mesh Size:_____.

DAM (24)

☐ No Dam Required ☐ Existing ☐ To Be Constructed Purpose: ☐ Makeup water pond ☐ Settling/recycle pond

Length: _____ Ft Height: _____ Ft Width At Crest: _____ Ft Width At Base: _____ Ft

RECYCLE/SETTLING POND SYSTEM (25)

Beaver ponds or other natural water features will not be permitted for use as settling ponds.

Is a Pre-Settling Pond Used?: ☐ Yes ☐ No Is Recycle Used?: ☐ Yes ■ No

Recycle Pond Is Pond # _____.

Indicate Length (L), Width (W), and Depth (D) of Each Pond:

Pond # 1: L: _____ Ft W: _____ Ft D: _____ Ft Pond # 2: L: _____ Ft W: _____ Ft D: _____ Ft

Pond # 3: L: _____ Ft W: _____ Ft D: _____ Ft

HARDROCK EXPLORATION DRILLING WATER USAGE

DRILL WATER USE AUTHORIZATIONS

(26)

[ ] No Drill Water required

[ ] Check if amount of drill water, pump rate and intake diameter is the same for all water sources

	Water Source ID on map	Drill Hole ID(s)from BOX # 21	Water Source Type (well, river, stream, pond or lake)	Water Source Name (name of river, stream, pond or lake)	NAD 83 Datum Coordinates can be obtained using Alaska Mapper http://dnr.alaska.gov/MapAK/ Latitude ddd.mmmm	Longitude -ddd.mmmm	MTRS ¼ ¼ Ex: F001S001N01 SWSW	Estimate amount of drill water	Pump intake diameter	Pump rate in GPM
1.										234
2.										
3.										
4.										
5.										

If more than 5 water take points are requested, please provide drill water data in tabular format (DNR template available at http://dnr.alaska.gov/mlw/forms/?tab=mining. See AHEA INSTRUCTIONS AND CHECKLIST)

WASTEWATER DISCHARGE PERMIT APPLICATION **(27)**

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.

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
Small-Size Suction Dredge GP (nozzle diameter of 6" or less):	☐ 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

Name of waterbody into which the discharge flows, or would potentially flow:

Please provide approximate coordinates of the discharge location [One way to obtain this information is with the point query tool in Alaska Mapper http://dnr.alaska.gov/Mapper.]

Latitude: _____ Longitude: _____ .

Source: _____ Datum: _____.

*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 for additional information.

Optional - Mixing Zone Request for Mechanical Placer Mine Operations

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

If a mixing zone is requested, provide the following:

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

Distance to nearest downstream drinking water source _____ ; placer mine water intake _____ ; and placer mine water discharge

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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: _____.

WETLAND JURISDICTIONAL DETERMINATION **(28)**

A Wetland Jurisdictional Determination (JD) determines if a USACE "404" permit is required. A JD is required every 5 years, or, when a new area is impacted. Certain information is required. The JD requirement is being phased-in. Please submit JD information with brand new APMAs and renewed Multi-Year APMAs. You have two options:

1. USACE will do the JD when you provide the following **(a and b)** :
   a. Photograph of your operation, with existing mine area, and projected mine area for the next five years, outlined on the photo. Satisfied by:
      ☐ Oblique aerial photo taken by your land manager. You must request photo from Agency.
      –OR–
      ☐ Aerial photos from various websites provided it shows the footprint of your operation and is clear, readable, and reproducible.
      –OR–
      ☐ Photos taken by you. On a map, mark locations of where you took photos. Please provide all of the following:
         ☐ vegetation on and around your operation. – AND–
         ☐ soil profile (from a bucket or shovel cut) Include an object for scale. –AND–
         ☐ creek and its riparian area (if within your plan of operation) –AND–
         ☐ photos taken from top of hill or other high location to get an aerial view –AND–
         ☐ general photos of your operation
   b. Other Questions - Do you have: (check all that apply):

      Vegetation: ☐ black spruce forest ☐ tussocks ☐ muskeg

      Non-pay Overburden: ☐ None ☐ Gravel _____ feet ☐ Organic material _____ feet

      Hydrology - Do you have:
         ☐ ponds that have naturalized
         ☐ other areas with saturated soil, or standing water
         ☐ frozen ground (permafrost soils)

      Has this site been previously mined? ☐ Yes ☐ No. If yes, when?

      What is the size of your operation (with new areas)? _____ Acres

      How many of these acres do you think are wetlands? _____ Acres

–OR–

2. Hire a wetland consultant to do a JD for you.

-Alternatively-

A Preliminary Jurisdictional Determination (PJD) is standard policy for most remote operations. It is much faster, but not appealable. For a PJD, provide the information for Option 1 above, and sign below, indicating acceptance of the PJD.

Signature of Responsible Party: _____.

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

Business Name (if applicable) - Printed: _____.

USACE will provide an Approved Wetland Jurisdictional Determination (AJD), which is appealable, at your request. Please contact USACE if you would like an AJD. USACE will automatically provide an AJD: 1) when your operation is in uplands (does not require a 404 permit) or 2) you submit a consultant supplied JD (Option 2 above).

STREAM BYPASS / DIVERSON (29)

Stream By-Pass Or Diversion? ☐ Not required ☐ Existing – Date of Construction: _____.

☐ To Be Constructed – Date of Construction: _____ .

Is Stream By-Pass? ☐ Permanent ☐ Temporary (Show By-Pass on mine plan diagram)

How long will the bypass be used? _____ year(s) _____ months;

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

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

Proposed bypass dimensions:

Length: _____ Width: _____ Depth: _____.

Bank Full Width of Stream Where By-Passed: _____.

Approximate Floodplain Width: _____.

Average stream bed material size: ☐ Bedrock ☐ Boulder ☐ Cobble ☐ Gravel ☐ Sand ☐ Silt/Clay

Natural/existing stream conditions (see diagram and descriptions below**):

A) Bank Full Top Width of Stream Where By-Passed:
B) Bank Full Depth of Stream Where By-Passed:
C) Approximate Flood plain/Flood prone Width:

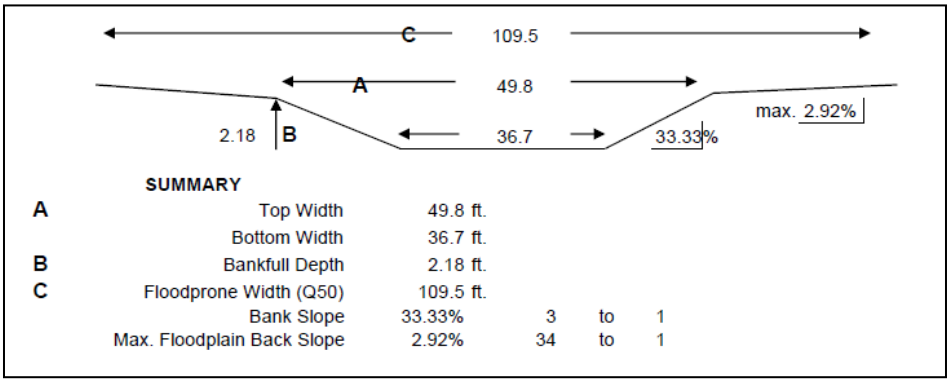
Average stream bed material size: ☐ Bedrock ☐ Boulder ☐ Cobble ☐ Gravel ☐ Sand ☐ Silt/Clay

If by-pass is **temporary** provide dimensions of post temporary-by-pass / post-mining (reclaimed) stream channel:

Length: _____ Width: _____ Depth: _____.

Bank Full Width of Stream: _____.

Approximate Floodplain Width: _____.



Example illustration of the components requested above.

A) Bankfull Top Width = The width of the stream at which point water begins to spill over the stream banks into the floodplain. Bankfull banks can often be identified by either a scour line near the top of the stream bank or the abrupt transition from stream bed materials to vegetation.
B) Bankfull Depth = The maximum depth of the stream, at a riffle section, if the stream was flowing full to the banks (bankfull above).
C) Floodplain/Floodprone Width = A strip of relatively smooth land, though often vegetated, bordering a stream, built of sediment carried by the stream, which overflows at discharge stages greater than the bankfull. This feature can often be identified by a change in land slope, and often vegetation type, somewhere beyond the bankfull stream banks.

For additional detail and guidance regarding stream by-pass construction and post mining stream channel reclamation, contact your local ADF&G Division of Habitat office and Technical Report No. 97-06 “Interim fish stream bypass and diversion guidelines for placer-mined watersheds.” at http://www.adfg.alaska.gov/static/home/library/pdfs/habitat/97_06.pdf

PLAN MAP OF OPERATION

(30)

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

2013 ANNUAL RECLAMATION STATEMENT
Placer Mining and Suction Dredging

(31)

APMA # : _____.

Complete and return this statement by December 31, 2013. If you did not operate, fill in name, check bottom box, sign and return form.
In accordance with AS 27.19 (Reclamation Act):

I, _____ hereby file an annual reclamation statement for the 2013 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 2013: _____ cubic yards (includes strippings and processed material).

Sluice days last season: _____ Cubic yards of material processed daily: _____ Annually : _____.

Total acreage disturbed in 2013: _____ acres. (Includes stripped areas, mining cuts, overburden and tailing stockpiles and disposal areas, temporary stream diversions, stream bypasses, and settling ponds). Federal operators should include area of camp and access roads.

Length _____ feet and Width _____ feet of stream diversion.

Stream diversion: ☐ Temporary ☐ Permanent (check one).

Total area reclaimed in 2013: _____ acres.

Total un-reclaimed acres: _____ (This should match "total acreage currently disturbed" on the 2014 reclamation/signature page)

For the 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

☐ Backfilled and reclaimed temporary stream diversions

☐ Camp removed, cleaned up and left free of debris

Other reclamation measures taken:

☐ I did not operate in 2013 and therefore did not conduct reclamation.

_____

Signed Date

Note: Submittal of this form meets the Army Corps of Engineers requirement for an annual report

Revised 12/2013

ANNUAL RECLAMATION REPORT
FOR HARDROCK EXPLORATION REQUIREMENTS

The Alaska Reclamation Act AS 27.19 requires operations that disturb less than five acres to file an Annual Reclamation Statement. DNR- Mining requests that you do so by December 31st of each year that the permit is in effect. Operations that will disturb more than five acres are required to have a Reclamation Plan Approval and to submit an Annual Exploration Report detailing the exploration and reclamation actions taken during the year. Please ensure that your Annual Hardrock Exploration Report contains the following information:

- A written narrative describing your activities and the reclamation measures taken at all disturbances.
- A topographic map showing the portion of the claim block where surface disturbing exploration activities have occurred. The plan map should be at a scale of 1"= 1 mile, or other appropriate scale sufficient to illustrate: existing trails and roads; new trails and roads; drill hole locations (other than shallow auger holes); trench locations; the camp location; and, any other surface disturbances (please distinguish between reclaimed and unreclaimed features).
- A photo of representative sections of any new road or trail construction.
- A detailed description of the methods used to plug the drill holes.

DEPENDING ON YOUR LEVEL OF ACTIVITY, THE FOLLOWING REPORTING REQUIREMENTS INCLUDE A REQUEST FOR DATA IN TABULAR FORMAT

For reclamation reporting we require that operators submit requested reclamation information in tabular format. **Please use the MS Excel Workbook provided by DNR-Mining.** The table is available for download at http://dnr.alaska.gov/mlw/forms/ (electronic copies can be submitted via e-mail to dnr.fbx.mining@alaska.gov, dnr.anch.mining@alaska.gov or provided on other media with application packet). Contact DNR-Mining if you have questions or need assistance.

- A table of drill sites with Latitude & Longitudes in NAD 83. Included with the sites list if fuel storage is on site, if a tundra mat is present, where trash and sanitary facilities are located, if drill additives are in use, if artesian zones are encountered and if water is discharged from the drill site. Also list whether the drill site has been reclaimed. If a drill site has been reclaimed, please include how the hole has been plugged and cemented (may reference description for more detail), if there is a standing pipe, if the site has been revegetated and the date that the reclamation occurred.
- A table of sump pit sites with Latitude & Longitudes in NAD 83. Included with the sites list if there is a discharge trench and the dimensions of the pit. Also list whether the sump pit has been reclaimed.
- A table of drill water supply sites with Latitude & Longitudes in NAD 83. Included with the sites list what kind of site it is (lake, pond, stream, etc.), intake size, mesh size on intake, if the intake is completely submerged, hose color, average gallons per minute consumed and start up and stop dates.
- A photo, with appropriate caption including reference to drill site table location, of each reclaimed drill site and exploration trench.
- A list of Mining Claims by ADL# or BLM # that contain unreclaimed disturbance at the end of the year and a total acreage that remains unreclaimed.

Hardrock Exploration Statement of Need:

Alaska's mineral industry is important to the state's economy and its health is tracked by the Department of Natural Resources in part through a voluntary questionnaire <http://www.dggs.alaska.gov/minerals_questionnaire>. Your answers provided in the questionnaire are crucial to make an accurate compilation of yearly exploration and mining activities in Alaska, provided in annual *Alaska's Mineral Industry* reports <http://www.dggs.alaska.gov/sections/minerals/>.

Please consider submitting important information such as yearly exploration expenditures, which are not collected through any other agency. All information on the questionnaire will be considered to be confidential, unless items are clearly marked as publicly available or are already available in the public record.

RECLAMATION PLAN (32)

☐ RECLAMATION PLAN
Disturbed Area 5 Acres Or Greater or BLM Notices)

☐ LETTER OF INTENT TO DO RECLAMATION
(Disturbed Area Less Than 5 Acres)

In accordance with Alaska Statute 27.19, reclamation is required of all mining operation. 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 "Letter of Intent To Do Reclamation" for operations under 5 acres. If you do not intend to use the reclamation methods presented below, please provide additional information concerning your plans for reclamation under separate attachments.

BLM requires that the reclamation plan be consistent with §43 CFR 3809.420, Performance Standards for the Surface Management regulations. **Refer to 43 CFR 3809 or the BLM minerals website available at http://www.blm.gov/ak/st/en/prog/minerals.html for more information on what is needed for a reclamation plan.**

Total acreage currently disturbed: _____ acres. This should match: "Total Unreclaimed Acres" on your 2013 Annual Reclamation Statement for Small Mines, or line #7 on your 2014 Bond Pool Renewal Form. Disturbed ground includes all mining and exploration activity (excluding camps and roads) since October 1991 on State or Private lands or since 1981 on Federal land and are currently unreclaimed. Federal operators must include areas of camps and roads.

New acres to be disturbed in 2014 _____ acres. Total acreage (currently disturbed plus new acres): _____ acres.

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

Total acreage to be reclaimed in 2014: _____ acres; and:
☐ Reclamation conducted concurrently with the exploration. ☐ Reclamation will be conducted at the end of the exploration season

Total volume of material to be disturbed in 2014: _____ cubic yard. (Including strippings and overburden to be removed. (1 acre of disturbance is equal to 4,840 square yards).

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.
- 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. Exploration trenches shall be flagged and signs posted to notify the public of the existence of the open trenches. All exploration trenches shall be reclaimed by the end of the exploration season in which they are constructed, unless specifically approved by the DMLW.
- Shallow auger holes (limited to depth of overburden) shall 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 shall be removed or cut off at, or below, ground level. All drill holes shall 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 shall be placed immediately above the static water level in the drill hole. 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 during which they are drilled, unless otherwise specifically approved by the DMLW.
- If artesian conditions are encountered, the operator shall contact the DMLW (Kindra Geis (907) 451-2790) or the DEC (Tim Pilon at 907 451-2136) for hole plugging requirements.
- All buildings and structures constructed, used or improved, on State land, will be removed, dismantled, or otherwise properly disposed of at the completion of exploration. The campsite will be cleaned up and left free of debris. In consideration of potentially significant historic properties/cultural resources, please do not remove or disturb any buildings, structures, objects, or artifacts that were located on the site prior to the current operation without preauthorization from SHPO (Contact Mark Rollins of SHPO at (907) 269-8722 or mark.rollins@alaska.gov).

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.
2. Federal land managers may require reclamation measures different to those identified above.

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 than that amount. A Statewide bonding pool has been established and may be joined by completing the bond pool application form. Federal land managers may have additional bonding requirements. Use bond form to calculate area of disturbance for bonding.

_____. Printed name (Applicant)	Relationship to Claim(s) ☐ Owner ☐ Lessee ☐ Operator ☐ Agent	Date: _____.
_____ Signature (Applicant)		

Revised 12/2013

CHECK LIST FOR COMPLETING MAP(S) OF OPERATIONS

Sketch your complete plans in detail, and included the following items as necessary

[ ] NORTH ARROW

[ ] SCALE BAR

[ ] TOPOGRAPHY – USGS enlargements or equivalent

[ ] CLAIM LOCATIONS – Only indicate ADL/BLM numbers and boundaries of claims where activities occur

[ ] STREAMS – Transfer names as necessary

[ ] IN STREAM ACTIVITIES AND STREAM CROSSINGS

[ ] MINING CUTS - Indicate dimensions, and sequence of mining, active cuts, areas currently stripped, and areas planned to be strip, areas to be reclaimed, and areas previously reclaimed

- [ ] SIZE OF VALLEY - indicate, with dotted lines, the approximate width of the valley floor
- [ ] OVERBURDEN STOCKPILES – include dimensions
- [ ] TAILINGS DISPOSAL AREAS

[ ] SUCTION DREDGE LOCATIONS

[ ] EXPLOSIVE STORAGE

[ ] FUEL STORAGE AREA - indicate location with respect to flowing waters

[ ] EXISTING AND PLANNED ROADS AND TRAILS – Other than your access to the claim block

[ ] EXISTING AND PLANNED TRENCHES

[ ] EXISTING AND PLANNED DRILL HOLES

[ ] TAKE POINTS FOR WATER - Label points for camp, mechanical placer mining, and any other site

[ ] DAMS

[ ] SETTLING PONDS - dimensions, sequence of use, discharge location, and recycle pump

[ ] CAMP FACILITIES or STRUCTURES indicate dimensions, type, and purpose of each structure

[ ] SANITARY AND SOLID WASTE – for example your outhouse; trash collection; etc

[ ] STREAM BY-PASSES

[ ] CROSS SECTION

[ ] SKETCH OF SUCTION DREDGE/BUCKET DREDGE (Offshore Nome operators only)

Example Narrative

Mechanical Placer Mining:

The mining operation is designed to economically recover gold and complete acceptable reclamation. The mine layout is directly related to reclamation. Mining will progress in the following steps -- see sketch:

1) A stream by-pass, 800' x 10', will be constructed on the left limit (facing downstream) of the operation. The [temporary or permanent] by-pass will be constructed to accommodate high water events (at least a 2-year flood interval) including break-up without bank erosion and will remain in place for _____ years or _____ mining seasons.
2) Vegetation, including trees, brush, tundra, etc., will be separated from topsoil and overburden gravel and stockpiled in such a manner as to avoid erosion. Stockpiles will be 200' x 25' x 15', located on the right limit of each cut.
3) Topsoil will be separated and stockpiled next to the vegetation stockpiles. A space will be maintained between the stockpiles so that topsoil can be re-spread before the vegetation. Each topsoil stockpile will be 200' x 25' x 15', located on the right limit of each mining cut.
4) Gravel overburden will be used to reconstruct the stream channel and cap ponds. Gravel will be stored in the following manner:
    a) Gravel from each cut will be pushed into the previously mined cut forming a dike for the next recycle pond. The dike will be constructed in such a manner that the largest portion of the pond will be immediately below the processing plant on the right limit. This places the pond sediment away from the reclaimed stream channel. The return portion of the pond will be narrow, one dozer blade width, forcing the fines to settle in the large pond area.
    b) A stockpile of gravel, 200' x 25', will be placed on the left limit of the mine cuts and used to reconstruct the stream channel in the left limit of the ponds.
5) Corse tailings will be pushed onto the pond dike and used to cap ponds.

Mechanical Placer Mining Reclamation:

Reclamation will progress in the following steps:

1) Ponds will be drained slowly with care taken not to lose sediment.
2) Reestablished streams will not run through reclaimed settling ponds. The stream will be reestablished to the left limit of the ponds (NO streams running through the settled fine material). All sediment will be bailed out and a stable stream channel will be established using tailings stockpiled in the center and left limit of the ponds. The flood plain will be wide enough to prevent erosion during high water events and maintain fish passage. For this stream, the reconstructed flood plain will consist of a stream bed 20’ wide with side banks 20’ wide. The banks will have a 20:2 foot slope. The by-pass will be filled and vegetation respread.
3) The remaining tailing stockpiles will be used to cap the large portion of the pond and/or stabilize any remaining pond areas from erosion. To minimize erosion, final shaping will be done across the slope rather than up and down.
4) Banks of ponds will be flattened out to allow natural revegetation and avoid erosional degradation. The banks will have a slope of 20:1 feet.
5) Topsoil will then be respread over the tailings.
6) Finally, vegetation will be respread over topsoil. The vegetation will trap seeds and moisture as well as reduce erosion.

Example Narrative

Hardrock Exploration:

1) Access to drill and / or trench sites, including type and length of access routes. Include a reference to the map showing existing and new roads, trails, airstrips, river routes and landings.
2) Exploration activities including type(s) of equipment to be used, when and where activities will occur.
3) Measures taken to prepare for reclamation upon completion of exploration activities, such as stockpiling organic materials.
4) Drill sites. Include pad construction methods. Include a reference to the map showing drill site locations.
5) Drill fluid disposal. Include MSDS sheets.
6) Trench excavation methods and location. Include a reference to the map showing trench locations.
7) Fuel handling at exploration sites (drill pads and trenches) and off site (camp or base of operations).
8) Indicate if there is a spill prevention and response plan in place.
9) Water use. Reference the map showing water withdrawal locations. State estimated daily water use and measures planned to prevent fish entrapment.
10) Cultural resource clearing. If needed, indicate measures take to avoid disturbance archaeological sites. Contact Mark Rollins at the State Historic Preservation Office if you need assistance determining whether or not you need to address cultural resource clearing. (907) 269-8722 or mark.rollins@alaska.gov

Hardrock Exploration Reclamation:

1) Plan for reclamation of disturbed areas in wetlands and uplands.
2) Drill hole plugging methods and materials.
3) Trench reclamation.
4) Trash disposal.
5) Methods proposed to promote the establishment of vegetation (measures can including promotion of natural growth by stockpiling & redistribution of organic material).
6) Disturbance calculations. Describe how acres of disturbance are calculated for drill pads, trenches, roads, trails and camps).
7) For bonding purposes, please indicate the amount of existing and proposed disturbance

Hardrock Exploration Statement of Need:

Alaska's mineral industry is important to the state's economy and its health is tracked by the Department of Natural Resources in part through a voluntary questionnaire <http://www.dggs.alaska.gov/minerals_questionnaire>. Your answers provided in the questionnaire are crucial to make an accurate compilation of yearly exploration and mining activities in Alaska, provided in annual *Alaska's Mineral Industry* reports <http://www.dggs.alaska.gov/sections/minerals/>.

Please consider submitting important information such as yearly exploration expenditures, which are not collected through any other agency. All information on the questionnaire will be considered to be confidential, unless items are clearly marked as publicly available or are already available in the public record.

Example Narrative

Suction Dredging:

The mining operation is designed to economically recover gold and complete acceptable reclamation. The mine layout is directly related to reclamation. Mining will progress in the following steps -- see sketch:

1) We will be operating a suction dredge with an 8" nozzle and a 36 hp motor. The maximum depth will not exceed 10 feet. Material will be washed and processed in 2'X 4' sluice box and deposited back on the water body floor.
2) Operations are beginning early June or as soon as the ice gone and will continue throughout the mining season.
3) Access to mine site is via all season road. We will launch our 16' boat from public boat launch and travel upstream to mining claims. Camping structures will consist of a removable wall tent.

Suction Dredging Reclamation:

Reclamation will progress in the following steps:

1) Reclamation will be concurrent with mining. All dredge tailings will be returned to approximately the same location from which they were dredged. Reclamation shall consist of leveling or contouring any tailing piles, contouring gravel bar and stream bed tailings in a manner that will approximate the adjacent bottom surface.

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

APMA # _____.

_____.
Name

_____.
Mailing Address

_____ _____ _____.
City State Zip Code

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

$ _____ 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

_____.

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

_____.

This bond amount was calculated as follows:

For **Federal Claims**: The total area of the mining operation, including camp site, access roads, unreclaimed areas, and areas to be stripped for mining next season is _____ 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 _____ 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 stream diversions, stream bypasses, and settling ponds. This acreage must include all areas disturbed by a mining operation after October 15, 1991 that have not been approved as reclaimed by ADNR. If a mining operation disturbs a previously mined area, that area must also be included in the acreage to be bonded.

Refundable bond deposit (new): _____ acres X $112.50 = $ _____.

Nonrefundable bond pool annual fee (new): _____ acres X $ 37.50 = $ _____.

Total $ _____.

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

_____
Signed - Miner Date

_____
ADNR - Division of Mining, Land & Water Date

_____
BLM - Bureau of Land Management Date

Revised 11/2013

AMENDED ACREAGE

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

APMA # _____.

_____.

Name

_____.

Mailing Address

_____.

City State Zip Code

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

_____.

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

_____.

This bond amount was calculated as follows:

For **Federal Claims**: The total area of the mining operation, including camp site, access roads, unreclaimed areas, and areas to be stripped for mining next season is _____.
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 _____ 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 stream diversions, stream bypasses, and settling ponds. This acreage must include all areas disturbed by a mining operation after October 15, 1991 that have not been approved as reclaimed by ADNR. If a mining operation disturbs a previously mined area, that area must also be included in the acreage to be bonded.

Original acreage bonded:_____.

New acreage bonded:_____.

Refundable bond deposit (new): _____ acres X $112.50 = $ _____.

Nonrefundable bond pool annual fee (new): _____ acres X $ 37.50 = $ _____.

Total $ _____.

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

_____
Signed – Miner Date

_____
ADNR - Division of Mining, Land & Water Date

_____
BLM - Bureau of Land Management Date

STATE OF ALASKA, DEPARTMENT OF NATURAL RESOURCES
STATE WIDE BOND POOL RENEWAL FORM
FOR 2014 OPERATIONS

APMA # _____.

Name

Mailing Address

Submits to the State of Alaska, Department of Natural Resources, a renewal of reclamation bonding in accordance with AS 27.19 for mining activity on claim's:_____.

located in T._____.,R._____., Sections _____.,_____.M.

The amount of the refund or amount owed was calculated as follows:

1. Number of acres bonded in 2013: _____. acres
2. Total number of acres disturbed in 2013? _____. acres

This includes unreclaimed acreage from previous years, October 1991 to present, for state or private lands, and 1981 to present for federal claims. On federal claims include area of camp and access roads.

Bonding credits carried forward from 2013 to 2014:

3. Number of acres bonded in 2013 but not disturbed: _____.acres x $ 112.50 = $_____.
   (1 minus 2 above)
4. Number of acres reclaimed in 2013 and approved by BLM/DNR (must submit Bond Release Application for State claims, when field inspection was not completed for reclaimed area -- (PHOTO/VIDEO DOCUMENTATION REQUIRED.) _____.acres x $ 112.50 = $_____.
5. Dollar total of lines 3 + 4: $_____.

Bonding obligations for 2014:

6. Number of acres disturbed but not bonded in 2013: _____.acres x $ 150.00 = $_____.
7. Total number of <u>all</u> unreclaimed acres: _____.acres x $ 37.50 = $_____.
   (line 7 should match "total acreage currently disturbed" on your 2014 Reclamation Plan. (2 minus 4 above)
8. New acres to be disturbed in 2014: _____.acres x $ 150.00 = $_____.
9. Dollar total of lines 6 + 7 + 8: $_____.
10. Total acreage bonded in 2014 (7 + 8): _____.acres

If line 5 is larger than line 9 enter the difference here $ _____.. This amount will be refunded.

If line 9 is larger than line 5, the difference is due DNR $ _____.. Make check payable to: DEPARTMENT OF NATURAL RESOURCES.

_____

Signed – Miner Date

_____

ADNR - Division of Mining, Land & Water Date

_____

BLM - Bureau of Land Management Date

Revised 11/2013

NOTICE OF OPERATOR AUTHORIZATION -- STATE MINERAL LOCATIONS

All operators or lease holders submitting APMAs for operations on State 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 claims(s) by Name and ADL number(s), and the time frame (beginning and ending dates) for which the authorization remains in force. The Division of Mining, Land & Water will not issue any mining permits until we receive this Notice of Authorization. **Please include it with your APMA**.

OPERATOR AUTHORIZATION

I,_____, OWNER of state claim(s) :

Claim Name	**ADL Number**	**Claim Name**	**ADL Number**	**Claim Name**	**ADL Number**

_____ _____.

(Attach additional sheet if necessary)

Have authorized _____.

Address of Operator_____.

to operate on these claims from____/____/____ to ____/____/_____

Owner's Signature _____ Date _____

NOTARY

Subscribed and sworn to before me this _____ day of_____, 20____.

For (owner)

(Signature of Notary)_____.

My commission expires:

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

I,_____, LESSEE of state claim(s) :

Claim Name	**ADL Number**	**Claim Name**	**ADL Number**	**Claim Name**	**ADL Number**

_____

(Attach additional sheet if necessary)

have authorized _____to operate on these claims from____/____/____ to ____/____/_____.

Lessee's Signature _____ Date_____

Lessee's Address _____.

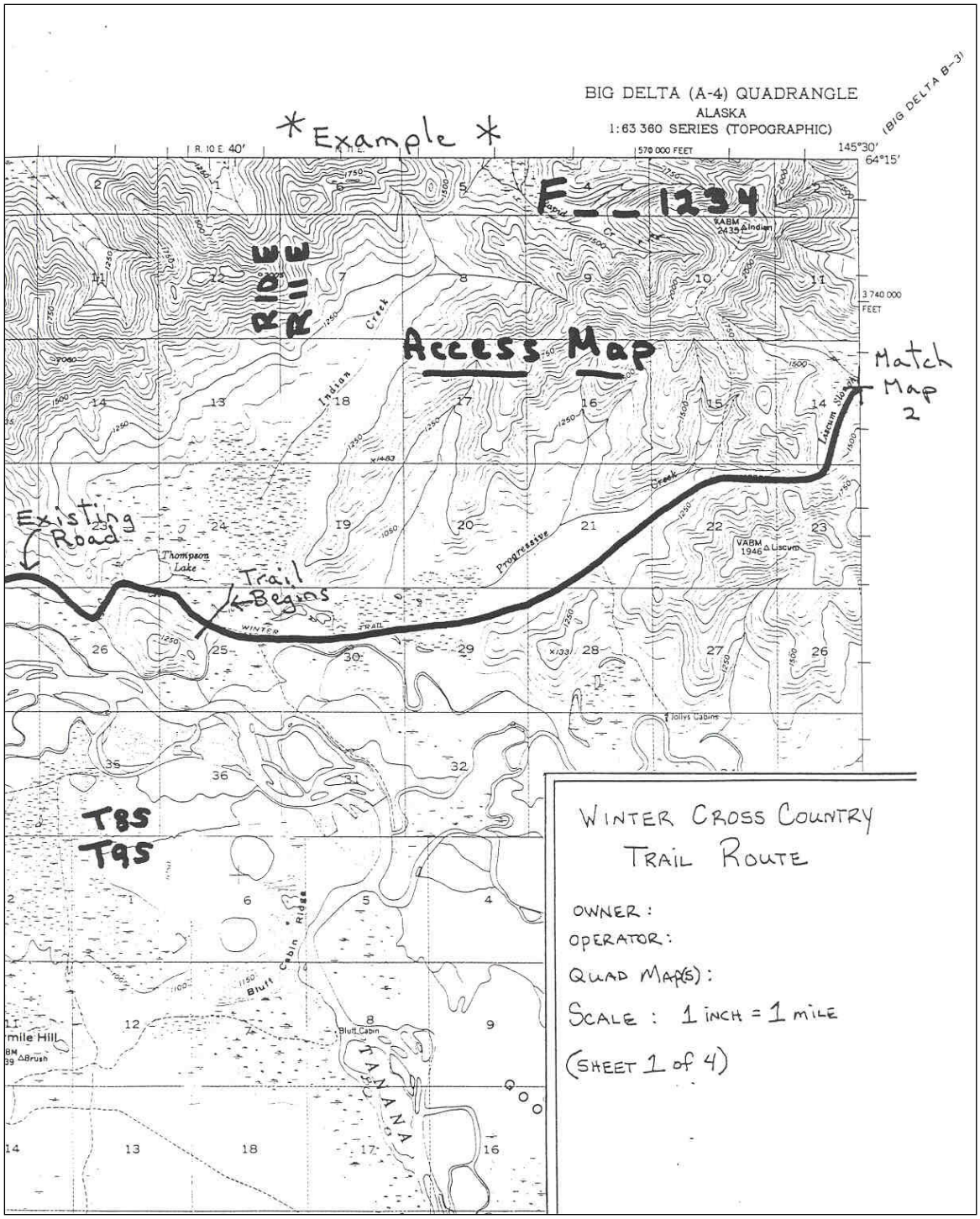
NOTARY:

Subscribed and sworn to before me this _____ day of_____, 20 ____.

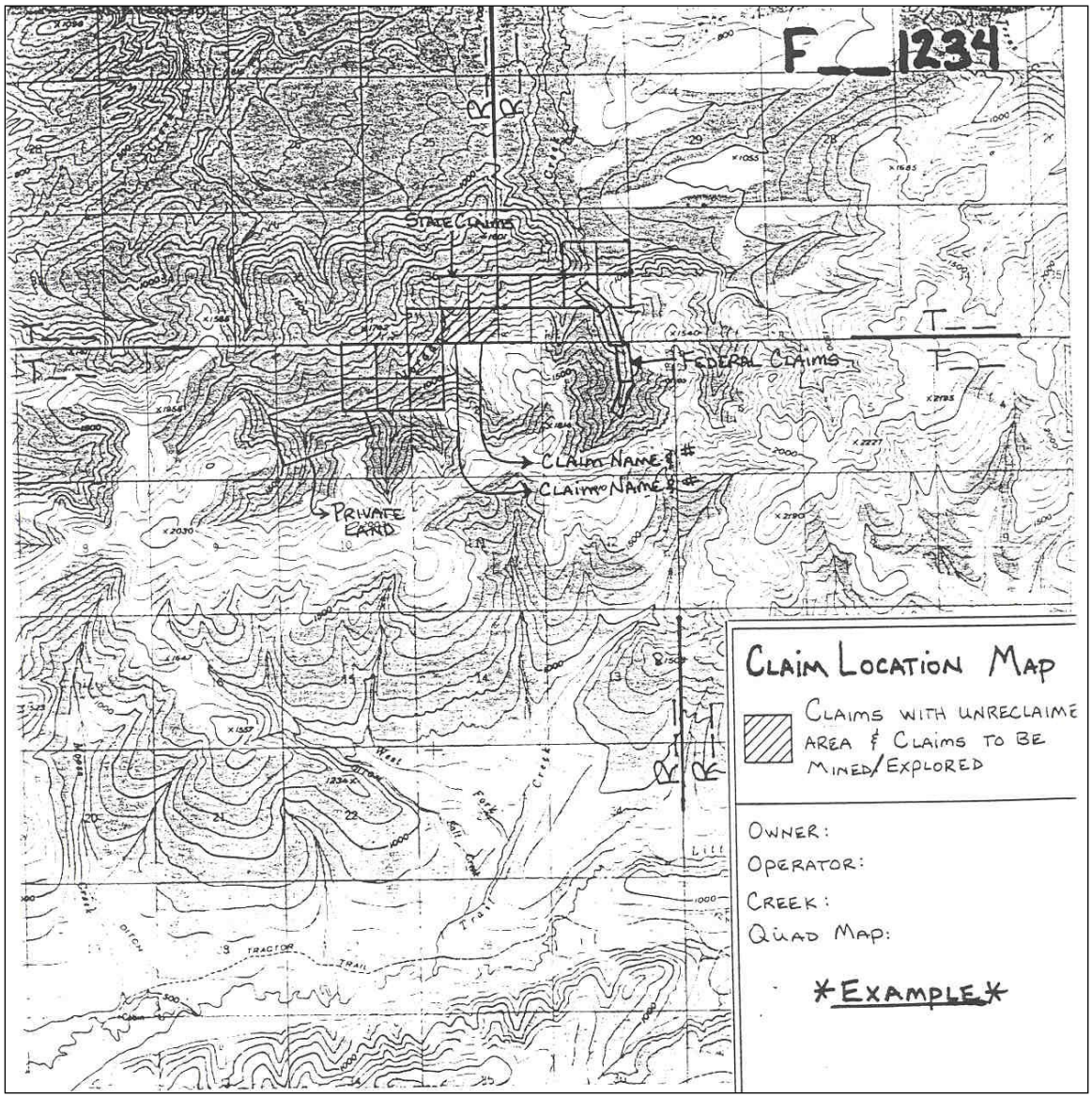
For (Lessee)

(Signature of Notary) _____.

My commission expires:

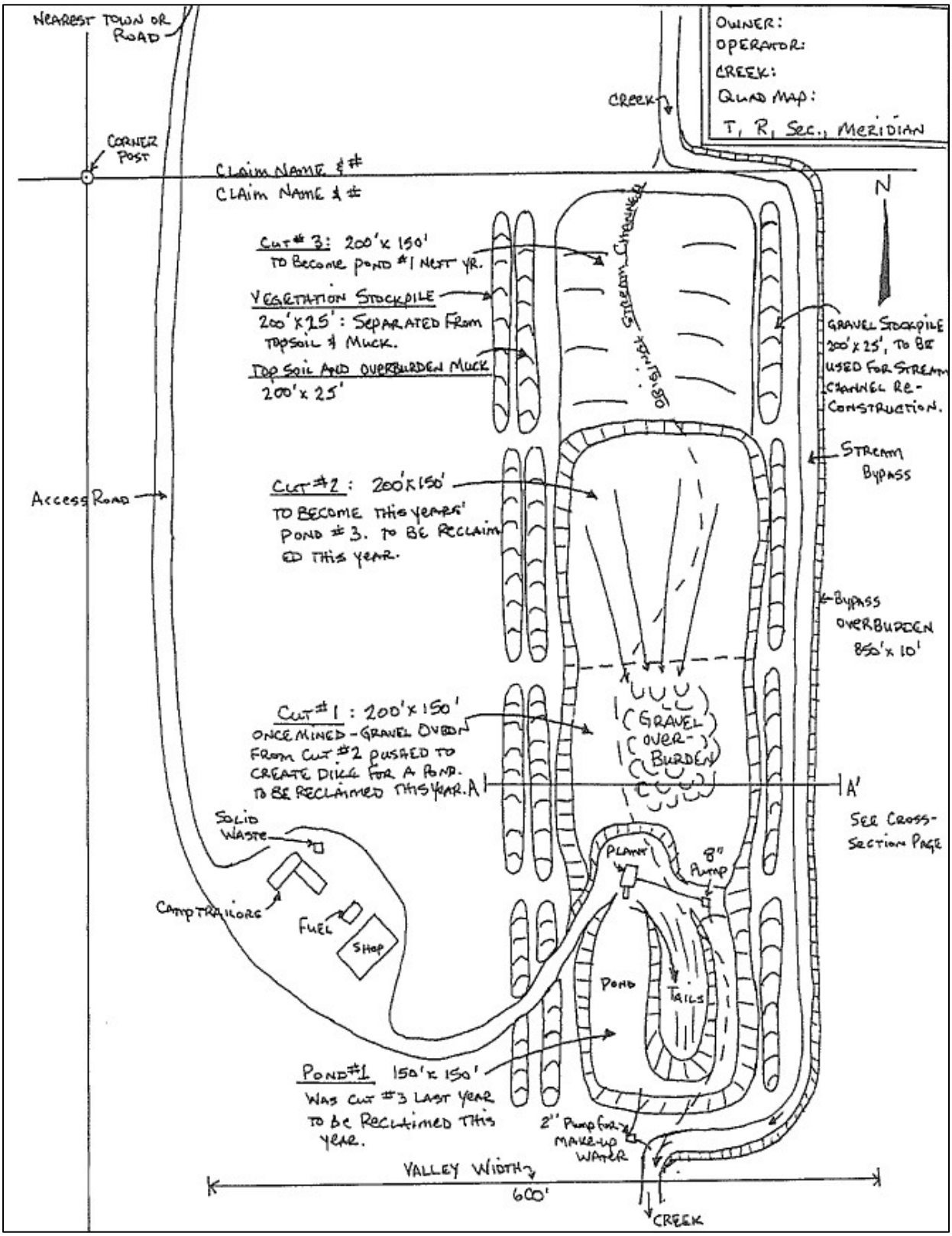


Example of Access Map



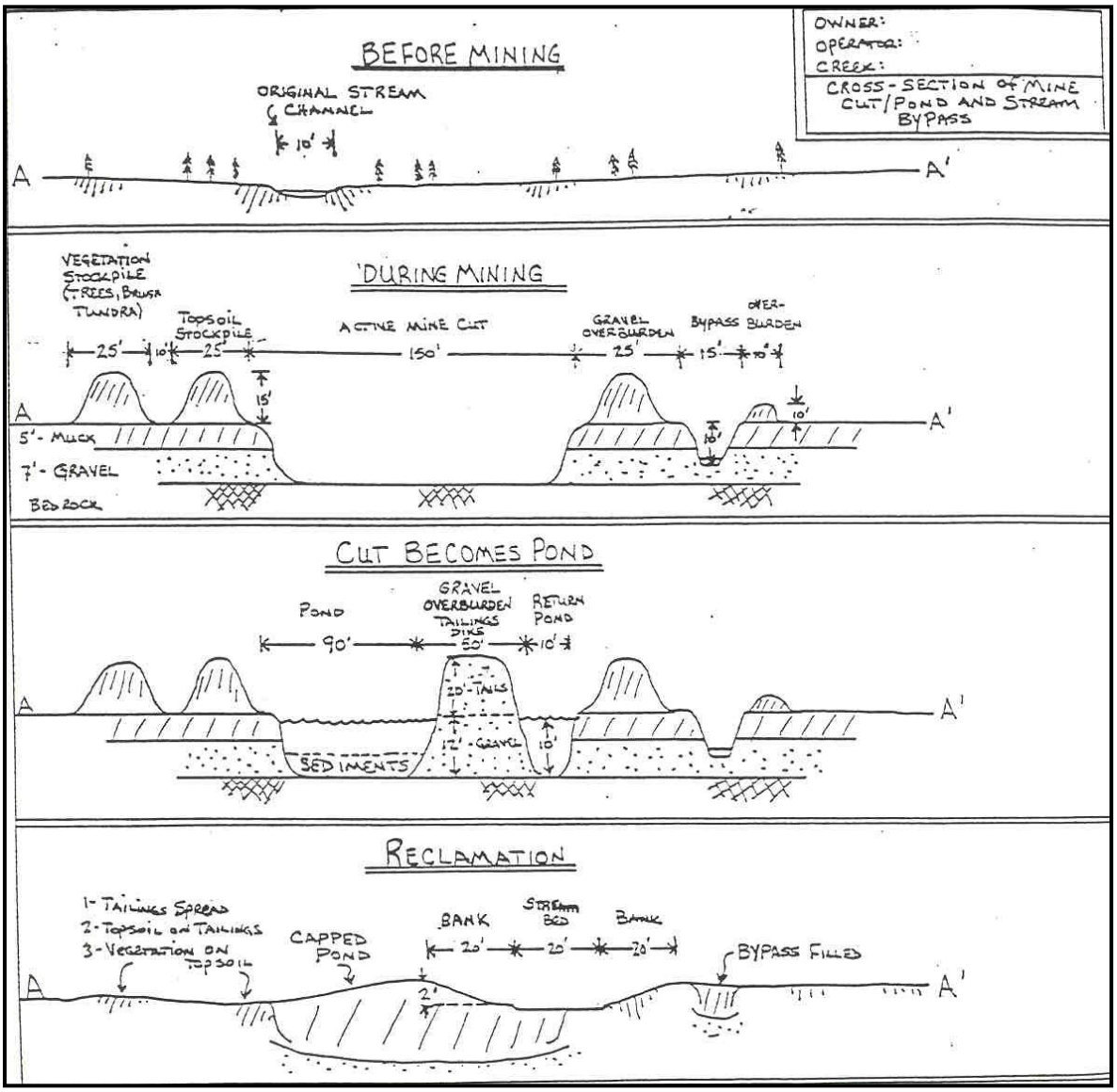
Example of Claim Location Map

Example of Plan of Mechanical Placer Mining



(Attach additional sheets and narrative as necessary)

Example of plan of operations cross-section sketch sheet



(Attach additional sheets and narrative as necessary)

Example of dredge sketch (Offshore Nome Only)