



## STATE OF ALASKA

Multi Agency Permit Application  
**FOR PLACER MINING OPERATIONS (APMA)**  
FOR PLACER MINING PERMITS; RECLAMATION PLAN APPROVAL;  
LAND USE PERMITS (SURFACE STRUCTURES; EQUIPMENT ACCESS);  
WATER USE AUTHORIZATION

**GENERAL:** To conduct exploration or mining activities in the State of Alaska, permits and licenses may be required from several State and Federal agencies. This application, when completed, will be distributed by the, Division of Mining, Land & Water (DMLW) Mining-Sections (DNR-Mining) to those agencies involved in the permitting process.

**OPERATIONAL PERMITS:** For most placer operations, the completion of this form should satisfy the application requirements for the following permits. Once you file your application, it will be reviewed by DNR-Mining and distributed online to the other agencies. Each agency will download and review your application and issue their permit. **Do not assume that you have all of the permits you required to have. We suggest that you contact each agency to make sure your application has been received and processed.**

■ DNR-Mining:

- Miscellaneous Land Use Permit (MLUP); Approved Plan of Operation (mining activity on State Upland Mining Leases; Offshore Mining Leases; Offshore Prospecting Permits); and Reclamation Plan of Approval for a mining operation.
  - Mining operations on State land are also subject to the production royalty, administered by the ADNR. Failure to comply with production royalty requirements can result in loss of mining claims, default of leases, or suspension/revocation of the Miscellaneous Land Use Permit.
  - Winter Cross Country Travel. Applications must be submitted 4 weeks prior to commencement of travel.
- DNR – DMLW – Land Section (DNR-Lands): Miscellaneous Land Use Permit (access/surface activity on State land off mining claims, including summer cross country travel). Summer cross country travel permits can take 60-90 days to process. Submit applications early.
- DNR – DMLW – Water Section (DNR-Water): Water Use Authorization. Note:100% recycle operations require a Water Use Authorization.
- Alaska Department of Fish & Game (ADF&G): Fish Habitat Permits (Title 16).
- Bureau of Land Management (BLM): Annual Notice or Plan of Operation. Read BLM instructional supplement at <http://www.blm.gov/ak/st/en/prog/minerals.html> to determine information requirements beyond this application.
- Department of Environmental Conservation (DEC): Wastewater Discharge General Permit (APDES).
- U.S. Army Corps of Engineers (USACE): Regional General Permit (RGP 2006-1944-M1) for placer mining activity when surface disturbance is 10 acres or less and stream diversions less than 2000 feet in length. Otherwise, an individual permit is required and must be applied for separately (see below). **It is the applicant's responsibility to initiate an individual permit** if the area of disturbance or length of bypass before these limits are exceeded. Regional General Permit is verified by USACE. APMA's RECEIVED BY DNR-MINING AFTER 5/31/2013 WILL NOT RECEIVE USACE GENERAL PERMITS FOR THE 2013 MINING SEASON.

**OTHER PERMITS OR INFORMATION THAT MAY BE REQUIRED:**

- DEC Individual Permit – Separate application may be required for operations that do not qualify a general permit.
- Notice of Operator Authorization Form (NOOA) – Operators on State land, not recorded as owners, need to submit a NOOA with the APMA. NOOA form is available at <http://dnr.alaska.gov/mlw/forms/13apma/nooa.pdf>
- Department of Revenue: Alaska Mining License (DOR) – It is a license for purposes of the mining license tax, **not** a license to mine. Non-compliance with mining license tax requirements can result in financial penalties. If you sell gold or other precious metals a mining license is required. If you have questions, contact Sarah Wilson, (907) 269-1017 [sarah.wilson@alaska.gov](mailto:sarah.wilson@alaska.gov).
- USACE Individual Permit (IP) - For operations over 10 acres, or with greater than 2000 feet of stream diversion a Department of the Army (DA) application will be required. USACE includes bypasses, roads, camps, runways, and mining cuts in acreage calculations. Road construction may require a separate permit. Advance planning is required: complete application must be submitted 120 days prior to the start of the mining season. A complete application must include a jurisdictional determination, functional assessment and compensatory mitigation statement. If an IP is needed and has not been obtained, the operator is subject to a notice of noncompliance or violation. A DA application will require an avoidance, minimization and compensation statement as outlined on the USACE web page. Individual Permit application materials are available online at <http://www.poa.usace.army.mil/> or call (907) 753-2712 to request application materials.

**RECLAMATION:** Applications must be submitted early to assure the issuance of permits and approval of reclamation plans before commencement of field operations (for DNR-Mining, the APMA is considered to be the proposed Reclamation Plan). In accordance with Alaska Statute 27.19, a miner may not engage in mining activity, involving five or more acres of disturbance on State land, until a reclamation plan has been approved. Operations under five acres must submit a Letter of Intent to Conduct Reclamation by checking the appropriate box on the Reclamation Page (Section 35) and file an Annual Reclamation Statement no later than December 31st. **All** plans and notices on BLM managed lands per 43 CFR 3809.10 require a separate reclamation plan to be filed with BLM.

**BONDING:** All mining operations, with a mining disturbance of five acres or more on State land, must be bonded per Alaska Statute 27.19. The State does not include roads and camps in bonded acreage. The "State Wide Bond Pool Form", included with this packet, may be submitted with the application to satisfy this requirement or evidence of an individual performance bond may be submitted. Operations of less than five acres disturbance on State land normally do not require bonding. **If your operation involves BLM managed land, you must obtain BLM approval of your bond pool form prior to submission of the application to a DNR-Mining office.** BLM requires bonding for all disturbances, including mine cut, haul roads and camps.

**AMENDED PLANS:** Changes in operation must be submitted in writing and approved in advance before the commencement of such activity.

**FEES:** 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" Miscellaneous Land Use Permits 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 #26) 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.

**STRUCTURES/CAMP FACILITIES:** The placement and use of all surface structures must be requested and approved in advance and described in detail. Structures must be necessary for the mining or exploration activity and will be temporary in nature, without permanent foundations. Recreational cabins and commercial recreation businesses are not authorized under mining law. Separate authorization for these activities must be acquired from DNR-Lands. **Please note that fill discharged in wetlands or other waters of the U.S. for the construction of camps may require a separate application to the USACE.**

#### **INTERAGENCY SUPPLEMENTAL FORMS AND DOCUMENTS ARE AVAILABLE AT:**

<http://dnr.alaska.gov/mlw/forms/?tab=mining>

#### **\*\*\*\* NEW REQUIREMENT FOR ELECTRONIC SUBMISSION \*\*\*\***

If an applicant is requesting authorization to conduct permitted activities on more than 12 claims an electronic list of ADL's will be required in MSEXcel format. A MSEXcel template is downloadable at: <http://dnr.alaska.gov/mlw/forms/?tab=mining>. Electronic application materials can be submitted by e-mail to [dnr.fbx.mining@alaska.gov](mailto:dnr.fbx.mining@alaska.gov) or provided on other media with application packet.

#### **SUBMIT COMPLETED APPLICATIONS TO ONE OF THE OFFICES BELOW:**

State Division of Mining, Land & Water  
Mining Section  
550 W. 7<sup>th</sup> Ave. Suite 900B  
Anchorage, AK 99501-3577  
Telephone: (907) 269-8647 or (907) 269-5916  
FAX: (907) 269-8949

Or

State Division of Mining, Land & Water  
Mining Section  
3700 Airport Way  
Fairbanks, AK 99709-4699  
(907) 458-6896 or (907) 451-2791 or (907) 451-2774  
(907) 451-2703

## PLACER APMA INSTRUCTIONS AND CHECKLIST

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 need to submit their application 4 weeks before the planned travel.

**PREPARATION OF APPLICATION:** State mining regulations require applications to be completed in ink or by typewriter. All sections **MUST** be completed. **If it is not applicable to the operation, then indicate by "N/A". Sketches must include all components listed on the sketch checklist -- again, indicate "N/A" if a component does not apply.**

**ATTACHMENTS:** Attachments to your application can be in black and white or color and should measure at least 8 1/2" x 11" in size. Over size or color attachments, required to clarify complex operations, may be provided by the applicant in addition to the 8 1/2" x 11" size used to meet distribution requirements. Applicants requesting authorization to conduct permitted activities on more than 12 claims will be required to submit supplemental information in electronic format. Electronic application materials can be submitted by e-mail to [dnr.fbx.mining@alaska.gov](mailto:dnr.fbx.mining@alaska.gov) or provided on other media with application packet. Please call DNR-Mining if you have questions.

**CHECKLIST:** Please review the following checklist and make certain all applicable items are included before submitting the application – **INCOMPLETE APPLICATIONS WILL BE RETURNED.**

- Is the applicable processing fee enclosed?
- Are all sections on the application completed? Write "N/A" or "DOES NOT APPLY" or draw a diagonal line through any sections, which do not apply.
- Completed, current, readable sketch and narrative of proposed operation. Include all items listed on sketch checklist.
- Reclamation pages signed and dated with the appropriate boxes checked: 2012 Annual Reclamation Statement (section 34) and Reclamation Plan (section 35)
- Notice of Operator Authorization form -- If you are operating on State mineral locations and are not an owner of the property being worked.
- Completed State Wide Bond Pool Form or State Wide Bond Pool Renewal Form, if applicable. Include signed BLM approval if Federal claims are listed on the APMA.
- Applicable reclamation bonding fees.
- BLM Supplemental Forms Completed if necessary
- Multi-Year APMA Permit Holder – **the following forms must be submitted annually:**
  - Signed Annual Reclamation Statement (section 33) – if disturbance is less than 5 acres or if you want the form to be used for the USACE annual report.
  - Signed Annual Reclamation Plan (section 34)
  - Signed Bond Renewal Form – with appropriate fees, if disturbance is equal to or greater than 5 acres on State or Private land or any disturbance on BLM land.
- Photography of site suitable for USACE PRELIMINARY Jurisdictional Determination (see USACE section 33).
- All attachments (paper or electronic) included.
- Are applicable maps listed below enclosed?

**ACCESS MAPS:** 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 route to your claim block from a major road system, airstrip, or boat landing. Reproduced portions of maps in 8" x 11" size are acceptable, **provided they are readable and suitable for copying.** Each map should be clearly identified with: 1) USGS identifier, i.e. Fairbanks A-3; and 2) all legal descriptions (townships and ranges involving the route). List all named and unnamed streams crossed by the access route. See example.

**CLAIMS LOCATION MAP:** Include a USGS topographic map at a scale of one inch equals one mile (1:63,360), illustrating: location; claim name; claim number; camp location; airstrips; legal description; and appropriate USGS map identifier. Identify those claims with existing disturbance and those on which activity will take place this season.

**INCOMPLETE APPLICATIONS WILL BE RETURNED**

For DNR internal use only:  
 Reviewed by: \_\_\_\_\_  
 Date: \_\_\_\_\_

**STATE OF ALASKA**  
**Multi-Agency Permit Application (APMA)**  
**FOR PLACER MINING**

Multi-year start year: \_\_\_\_\_ end year: \_\_\_\_\_ APMA Number: \_\_\_\_\_

<b>APPLICANT AND SITE INFORMATION</b>			<b>(1)</b>
What type activity are you planning to perform? <input type="checkbox"/> Exploration <input type="checkbox"/> Mining/Reclamation <input type="checkbox"/> Suction Dredging		Are the mineral properties? <input type="checkbox"/> State (General) <input type="checkbox"/> Private (Patented) <input type="checkbox"/> Private (Native Corp. Land)	<b>(2)</b>
		<input type="checkbox"/> Reclamation <input type="checkbox"/> Access Equipment	<input type="checkbox"/> State (Mental Health) <input type="checkbox"/> Federal
Check, as appropriate, and indicate permit number, if any of the following agencies have issued permits for these mineral properties: <input type="checkbox"/> DNR-Water TWUP/ADL/LAS Number: _____ <input type="checkbox"/> DEC- APDES Wastewater Discharge Permit No: _____ <input type="checkbox"/> ADF&G – Habitat Permit No: <u>FH-</u> _____ Date expires _____ <input type="checkbox"/> BLM - "Notice" _____ "Authorization" _____ "Occupancy" _____ <input type="checkbox"/> USACE Permit No(s) POA- _____ - _____, POA- _____ - _____ <input type="checkbox"/> Other State or Federal Permit No: _____			<b>(3)</b>
Name of ALL Mineral Property Owners: (Attach Separate Sheet As Necessary)	Lessee:	Operator:	<b>(4)</b> <b>(5)</b> <b>(6)</b>
Mailing Address for official correspondence:	Mailing Address for official correspondence:	Mailing Address for official correspondence:	
Home Phone (Winter):	Home Phone (Winter):	Home Phone (Winter):	
Work Phone (Winter):	Work Phone (Winter):	Work Phone (Winter):	
Home Phone (Summer):	Home Phone (Summer):	Home Phone (Summer):	
Work Phone (Summer):	Work Phone (Summer):	Work Phone (Summer):	
Cell/Satellite Phone:	Cell/Satellite Phone:	Cell/Satellite Phone:	
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 _____	
Operator's Federal EIN Number:	Number of Workers:	Intended Start-up/Shut Down (Month/Dav) _____ to _____	<b>(7)</b> <b>(8)</b> <b>(9)</b>
Mining District:	Applicable USGS Quad Map:	On What Stream Is This Activity?	<b>(10)</b> <b>(11)</b> <b>(12)</b>
<b>LEGAL DESCRIPTION</b> of Mineral Properties To Be Worked (Township, Range, Section, Meridian):			<b>(13)</b>
Legal Description of all other project-related activities, such as camps and water access (Township, Range, Section, Meridian):			
LIST ONLY <b>MINERAL PROPERTIES</b> WITH CURRENT DISTURBANCE AND/OR THOSE ON WHICH PERMITTED ACTIVITIES WILL OCCUR			<b>(14)</b>

Attach additional sheets as necessary AND provide in electronic format if you are submitting more than 12 properties (electronic copies can be submitted via e-mail to [dnr.fbx.mining@alaska.gov](mailto:dnr.fbx.mining@alaska.gov) or provided on other media with application packet)

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

**DESCRIPTION OF EQUIPMENT**

(15)

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

**IN-STREAM ACTIVITIES and STREAM CROSSINGS**

(16)

List any equipment that will be crossing streams during mining activities.

List any equipment that will be used in the stream during mining activity.

Describe method(s) used to prevent fish entrapment.

List all streams, including unnamed streams, with the aliquot legal description of the crossing point and any suction dredge or pump locations (Attach additional sheets as necessary).

	Stream Name	NAD 83 Datum Coordinates can be obtained using Alaska Mapper <a href="http://dnr.alaska.gov/MapAK/">http://dnr.alaska.gov/MapAK/</a>		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.							

**ACCESS OUTSIDE OF CLAIM BLOCK**

(17)

Access across state land may require a "Land Use Permit" from DNR-Lands. Access across Mental Health Trust Lands (MHTL) will require authorization from the MHTL Office. Access requiring equipment fording of anadromous streams will require authorization from the ADF&G, Division of Habitat. Access across federal land requires approval of the managing federal agency. Access across private property, including native corporation lands and other private property, may require authorization from the private property owner. It is the responsibility of the applicant to contact the private property land owner to assure all required permits for access are obtained.

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 1/2" x 11". Do not tape maps together.

Access outside the claim block crosses what type of land(s)?  State (General)  State (Mental Health)  Federal  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  Both

(Explain): \_\_\_\_\_

If access is to be constructed, indicate: Type: \_\_\_\_\_ Length: \_\_\_\_\_ Feet Width: \_\_\_\_\_ Feet

Depth: \_\_\_\_\_ Feet

Easements are required from the DNR-Lands to construct access on State land outside 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. Contact the DMLW in Anchorage (907) 269-8503, or Fairbanks (907) 451-2740 to determine if a ROW permit is required. **Applications may require six months to one year to process.** As built surveys may be required.

NOTE: Any access constructed across "wetlands", ponds, streams, or other waters of the U.S. including those within your claim block, may require a USACE "404" permit. It is the responsibility of the applicant to contact the USACE for a determination as to whether or not this permit is required.

**Indicate Type(s) of Access:**

All Season Road -- A 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 -- Summer travel without a DNR permit is limited to generally allowed uses on State land (11 AAC 96.020), but may require a ADF&G permit.. Summer travel beyond generally allowed uses requires a permit that is requested and permitted by DNR-Lands. A performance guarantee for cross-country travel on State lands may be required. If required, the performance guarantee must be received before a permit will be issued and will be released after travel is completed and no trail damage has occurred. For questions about generally allowed uses, contact the DNR Public Information Center (Anchorage (907) 269-8400, Fairbanks (907) 451-2705, Juneau (907) 465-3400) or view a fact sheet at [http://dnr.alaska.gov/mlw/factsht/gen\\_allow\\_use.pdf](http://dnr.alaska.gov/mlw/factsht/gen_allow_use.pdf)

Airstrip -- Indicate length: \_\_\_\_\_ Feet  River

Winter Cross Country Travel – Travel off an all season road with equipment/vehicles that are not generally allowed. Vegetative mat shall not be damaged. Authorized cross country travel dates vary depending on region and weather conditions. Please contact the appropriate area land manger for more information.

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

If Yes, estimated quantity of water will be used \_\_\_\_\_ Gal/day. Indicate crossing location in section 16.

If you are transporting equipment and/or fuel and require **winter** cross country travel authorization, please complete the following:

List all equipment and vehicles being transported:

\_\_\_\_\_  
\_\_\_\_\_

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

\_\_\_\_\_

**Winter Cross Country Travel Continued:**

**(section 17 continued)**

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

\_\_\_\_\_

\_\_\_\_\_

How are the fuel/petroleum products contained? (i.e., drums, bladders, steel tanks, etc.) Indicate size of each container:

\_\_\_\_\_

\_\_\_\_\_

How are the fuel/petroleum products being transported (i.e., skid-mounted tank; trailer; 55 gallon drums on skid; tanker truck, etc.)?

\_\_\_\_\_

\_\_\_\_\_

Indicate proposed dates for each period of cross country travel (**apply at least 4 weeks prior to start of travel**):

\_\_\_\_\_

**NOTE: All cross-country travel must be specifically authorized by the appropriate land manager(s) prior to the commencement of travel. Travel may not be authorized if trail conditions indicate damage could occur.**

**PLACER MINING METHOD**

**(18)**

Indicate Methods of Mining/Processing Used in Operation:

Mechanical Placer Mining with Dozer, excavator etc.

Bucket Line Dredge: Bucket Size: \_\_\_\_\_ Cubic Feet     Hydraulic Giant: Nozzle Size \_\_\_\_\_ Inches

Washing Plant             Sluice Box: Length: \_\_\_\_\_ Feet    Width: \_\_\_\_\_ Feet

Number of Channels: \_\_\_\_\_

ESTIMATED:

Sluice Days This Season: \_\_\_\_\_

Cubic Yards of Material To Be Processed: Daily: \_\_\_\_\_ Annually: \_\_\_\_\_

Suction Dredge # 1: Nozzle Size: \_\_\_\_\_ Inches -- Engine HP: \_\_\_\_\_ Hours/day operating

Type of location:  Stream     Pond connected to stream     Pond isolated from stream

Mine cut isolated from stream

Suction Dredge # 2: Nozzle Size: \_\_\_\_\_ Inches -- Engine HP: \_\_\_\_\_ Hours/day operating

Type of location:  Stream     Pond connected to stream     Pond isolated from stream

Mine cut isolated from stream

Additional Dredges:

\_\_\_\_\_

Are dredges used simultaneously?  Yes     No    If YES, describe:

\_\_\_\_\_

\_\_\_\_\_

**OVERBURDEN**

**(19)**

Has this site been previously mined?  Yes     No

Type:  None     Gravel, Average Depth: \_\_\_\_\_ Feet     Organic Material, Average Depth: \_\_\_\_\_ Feet

**EXPLORATION TRENCHING**

**(20)**

(Indicate Trench Locations On Sketch Sheet or Topographic Map)

Estimated Number of trenches to be excavated: \_\_\_\_\_

Type of Equipment to be Used: \_\_\_\_\_

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 <a href="http://dnr.alaska.gov/MapAK/">http://dnr.alaska.gov/MapAK/</a>	
		Latitude	Longitude

If more than 5 trenches will be excavated, please provide data on separate sheets.

**PLACER EXPLORATION DRILLING**

**(21)**

(Indicate Locations On Sketch Sheet 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?  
\_\_\_\_\_

Water source, pump intake, output, hose/pipe length must be noted on map AND in a narrative

**EXPLOSIVES**

**(22)**

Will Explosives Be Used? [ ] Yes [ ] No If "Yes", Indicate: Type: \_\_\_\_\_ Amount: \_\_\_\_\_

**STRUCTURES / FACILITIES**

**(23)**

(Placement and use of any surface structure must be requested in writing and approved in advance)  
(Include location, claim name and number, on sketch sheet and topographic map)  
(An active APMA must be maintained for structures to remain authorized. (AS 38.05.255(a)).

Camp authorization not required

If camp is on private land, provide camp contact and location information below.

Camp name: \_\_\_\_\_

Camp location: \_\_\_\_\_

Camp contact phone: \_\_\_\_\_

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 \_\_\_\_\_

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 State Historical Preservation Office (SHPO) at (907) 269-8722 or

[mark.rollins@alaska.gov](mailto:mark.rollins@alaska.gov)

**FUEL**

**(24)**

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

Projects with cumulative fuel volume on site larger than 1320 gallons must meet EPA Spill Prevention Control and Countermeasures (SPCC) regulations 40 CFR 112. Fuel volumes larger than 10,000 gallons must have a SPCC plan certified by a professional engineer. For additional information on approvable SPCC plans see <http://www.epa.gov/oswer0e1/content/spcc/> or contact Matthew Carr of EPA at (907) 271-3616 or [Carr.Matthew@epa.gov](mailto:Carr.Matthew@epa.gov).

For operations on BLM Managed Lands: Even when an EPA SPCC is not required a BLM spill contingency plan, consistent with the quantity and location of the fuel used on site is required. BLM contingency plan requirements are available at <http://www.blm.gov/ak/st/en/prog/minerals.html>

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

**APDES WATER USAGE INFORMATION**

**(25)**

Water use should be planned so that you will have zero discharge of water back into the stream (creek, lake, etc.), if it is at all possible. Streams must be diverted around the mining operation and most miners achieve zero discharge by setting up a 100% recycle system. Zero discharge means no water is released back into a stream either through a pipe, an overflow, by pumping, or by visible seepage through a dam or tailings filter. Underground flow or seepage through a dam or berm; will be considered a discharge if the water quality in the stream is affected as it flows past your mining operation. If groundwater from your cut and surface run-off force you to have a discharge from your settling ponds, reasonable efforts must be made to divert the water around the operation to minimize your discharge. Under no circumstances can you add make-up water if you are having a discharge.

**NOTICE OF INTENT (NOI) FOR THE ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION (DEC)  
ALASKA POLLUTANT DISCHARGE ELIMINATION SYSTEM (APDES) GENERAL PERMIT**

**(26)**

All placer operations that discharge, or have a potential to discharge, require an APDES wastewater discharge permit. For DEC questions, contact Nick Dallman at (907) 451-2142 or [nicholas.dallman@alaska.gov](mailto:nicholas.dallman@alaska.gov).

Do you want this APMA to act as an application (NOI) for the APDES general permit?  Yes  No

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

**Mixing Zone Request**

If YES, do you wish to receive 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) [NOTE: **Maximum Effluent Flow** is the most discharge you could ever have to the stream. A mixing zone and turbidity modification cannot be calculated if zero (0) is indicated for the flow.]

Topographic map that accurately shows the location of the discharge; or coordinates for the location of the discharge. Please provide coordinates in decimal degrees, NAD 83 datum. [One way to obtain this information is with the point query tool in Alaska Mapper <http://dnr.alaska.gov/Mapper>.]

Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

Source: \_\_\_\_\_ Datum: \_\_\_\_\_

Distance to nearest downstream use of receiving water for a Drinking water source \_\_\_\_\_ (ft.); Placer mine water intake \_\_\_\_\_ (ft.);

Placer mine water discharge \_\_\_\_\_ (ft.)

[NOTE: If distance is greater than one mile, mark "N/A".]

**Certification**

(Required for all DEC applicants- APDES general permit and/or Mixing Zone requests)

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:** \_\_\_\_\_

## STREAM BYPASS / DIVERSION

(27)

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 Floodplain/Floodprone Width: \_\_\_\_\_

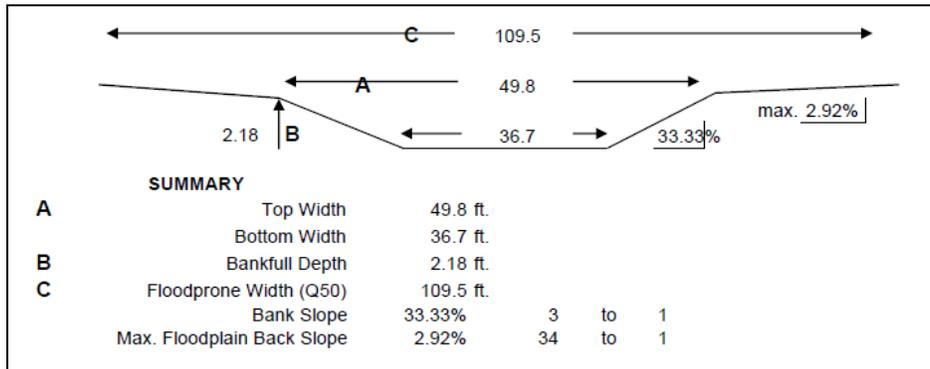
Average stream bed material size:  Bedrock  Boulder  Cobble  Gravel  Sand  Silt/Clay

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](http://www.adfg.alaska.gov/static/home/library/pdfs/habitat/97_06.pdf)

## WATER USE AUTHORIZATIONS

(28)

Water usage (including water used in a 100% recycle system) may require authorization by either a Temporary Water Use Permit or a Water Rights Permit or Certificate. Information provided in the Make-Up Water Supply and Recycle/Settling Pond System sections of this application will be used to determine the quantity of water that you can be authorized to use for your mining operation.

Do you currently have a Temporary Water Use Authorization, Water Rights Permit or Certificate?  Yes  No

If yes, please indicate TWUP/ADL/LAS number in section 3 of this application.

If no, please contact a Division of Mining, Land & Water, Water Resource Section in Fairbanks @ (907) 451-2790

**Total quantity of water required for placer operation** \_\_\_\_\_ gallons per day (gpd)

Total number of pumps used in operation \_\_\_\_\_

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:

(length / width / height if screened box OR length / diameter if cylinder): \_\_\_\_\_

Screened Intake outer Mesh Size: \_\_\_\_\_

**Water required for camp use**  Yes  No

Quantity of water required for camp use \_\_\_\_\_ gpd.

Camp water source:  Well  Haul  Stream  Spring  Lake

Name of water source (if applicable): \_\_\_\_\_

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ NAD 83 Datum

Or Meridian: \_\_\_\_\_ Township: \_\_\_\_\_ Range: \_\_\_\_\_ Section: \_\_\_\_\_

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:

(length / width / height if screened box OR length / diameter if cylinder): \_\_\_\_\_

Screened Intake outer Mesh Size: \_\_\_\_\_

**Note:** A common method used for pumping rates of 30 gallons per minute or lower is to cut/drill 0.25 inch (1/4 inch) holes in the side of a 5-gallon bucket, weight it with rocks in the bottom, and secure the intake in the bucket. ADF&G will provide additional specifications depending on your specific withdrawal location. For higher pump rates consult the ADF&G webpage <http://www.adfg.alaska.gov/index.cfm?adfg=uselicense.withdrawal> and Technical Report No. 97-8 ([http://www.adfg.alaska.gov/static/license/uselicense/pdfs/97\\_08.pdf](http://www.adfg.alaska.gov/static/license/uselicense/pdfs/97_08.pdf)) or contact your local ADF&G Division of Habitat office.

**MAKE-UP WATER SUPPLY****(29)**

("Make-Up Water" is that volume of water added to your settling ponds to replace water lost due to evaporation and seepage into the ground. **Federal Regulations prohibit the addition of make-up water while you are having any discharge from your settling ponds.**)

No Make-up Water required  start up water only to fill ponds 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: \_\_\_\_\_

Location of Water Take point:

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ NAD 83 Datum

Or Meridian: \_\_\_\_\_ Township: \_\_\_\_\_ Range: \_\_\_\_\_ Section: \_\_\_\_\_

NAD 83 coordinates can be obtained using Alaska Mapper <http://dnr.alaska.gov/MapAK/>

Method of Taking Water:  Seepage Infiltration  Pump with intake size of \_\_\_\_\_ inches

Gravity feed – hose diameter \_\_\_\_\_  Diversion Ditch From Stream With Headgate

Other: \_\_\_\_\_

Estimated Average Amount Of Make-up Water: \_\_\_\_\_ Gallons Per Day, or \_\_\_\_\_ gallons Per Week.

Pumping rate of \_\_\_\_\_ gallons per minute operating for \_\_\_\_\_ hours per day

Pump intake diameter: \_\_\_\_\_ inches

Maximum Pump Rate for any pumps operated within a stream or lake \_\_\_\_\_ gallons per minute

Screened Intake Structure Type:  Screened Box  Screened Cylinder

Screened Intake Dimensions:

(length / width / height if screened box OR length / diameter if cylinder): \_\_\_\_\_

Screened Intake outer Mesh Size: \_\_\_\_\_

**DAM** (An artificial barrier used to impound or divert water)**(30)**

Purpose of Dam:  Makeup Water Pond  Settling/Recycle Ponds  No Dam Required

Dam Information:  Existing  To Be Constructed Length: \_\_\_\_\_ Ft Height: \_\_\_\_\_ Ft

Width At Crest: \_\_\_\_\_ Ft Width At Base: \_\_\_\_\_ Ft

**RECYCLE/SETTLING POND SYSTEM** (Indicate additional ponds on sketch sheet)**(31)**

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 # \_\_\_\_\_

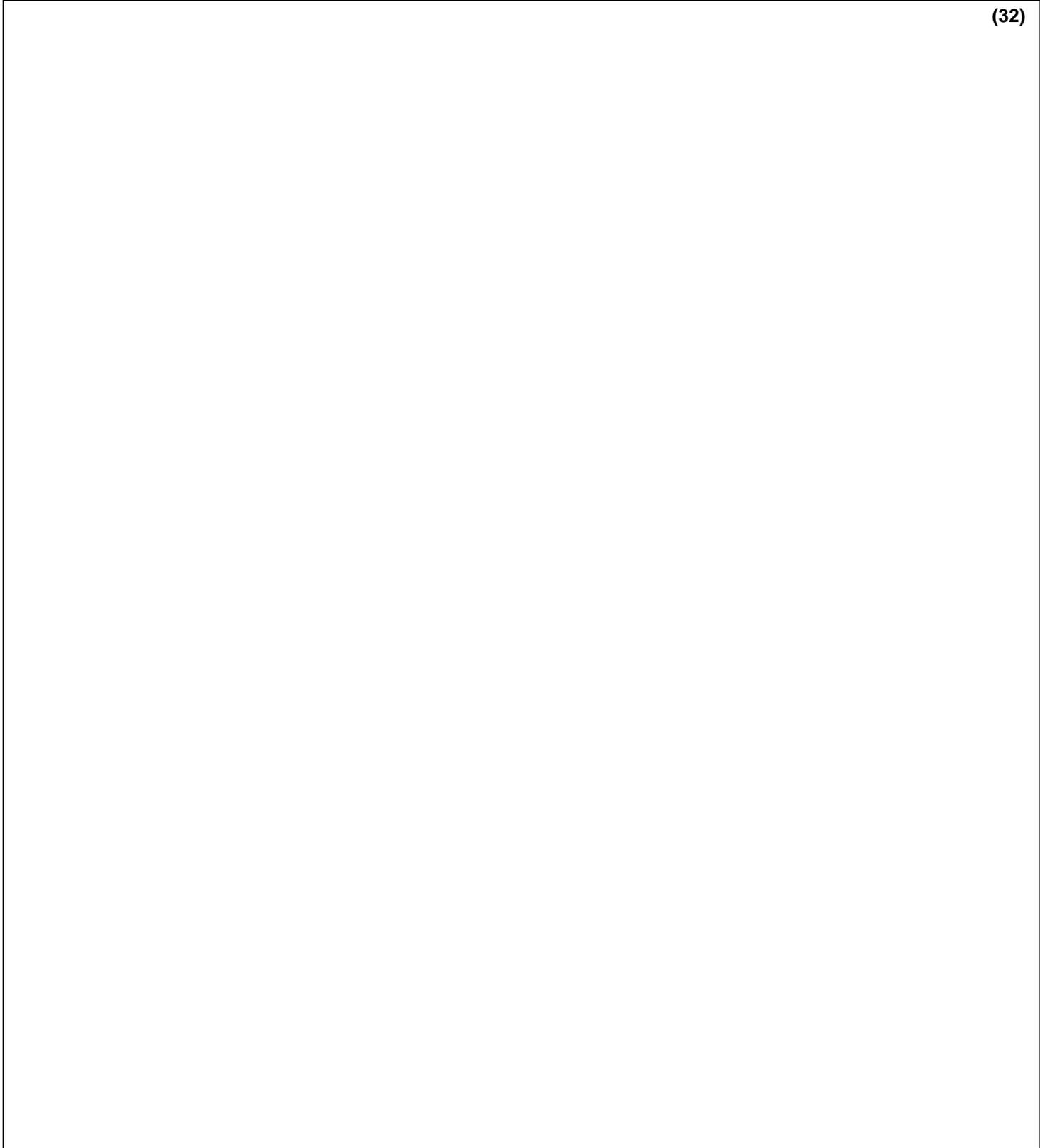
Indicate Length (L), Width (W), and Depth (D) of Each Pond:

Pond # 1: L: \_\_\_\_\_ Ft W: \_\_\_\_\_ Ft D: \_\_\_\_\_ Ft Pond # 2: L: \_\_\_\_\_ Ft W: \_\_\_\_\_ Ft D: \_\_\_\_\_ Ft

Pond # 3: L: \_\_\_\_\_ Ft W: \_\_\_\_\_ Ft D: \_\_\_\_\_ Ft

Recycle Pump: Return Line Size: \_\_\_\_\_ inches Estimated GPM: \_\_\_\_\_

Estimated hours per day that recycle pump will be used: \_\_\_\_\_



(Attach Additional Sheets, Along With Detailed Explanations As Necessary)

**PLEASE REVIEW THE SKETCH SHEET CHECKLIST TO ENSURE THAT ALL REQUIRED ITEMS ARE INCLUDED  
INCOMPLETE SKETCH SHEETS WILL CAUSE THE ENTIRE APPLICATION TO BE RETURNED**

**U.S. Army Corps of Engineers (USACE)  
WETLAND JURISDICTIONAL DETERMINATION**

**(33)**

Provide a clear aerial photo of your operation. Aerial photos may be available from the following sources: Google Earth, USGS Earth Explorer Website (<http://earthexplorer.usgs.gov/>), order from the University of Alaska Fairbanks GeoData Center (<http://www2.gi.alaska.edu/services/geodata/>) (907) 474-6166 [uso@gi.alaska.edu](mailto:uso@gi.alaska.edu), or from aerial photos you have taken yourself. The purpose of the photo is to clarify USACE jurisdiction. USACE has jurisdiction over mechanical clearing and placement of fill into waters of the U.S, which includes streams and wetlands. Generally, a Preliminary Jurisdictional Determination (PJD) will be made from the photo. A PJD is based on best available information, and makes a reasonable determination that there may be jurisdictional wetlands at a site. Your signature below indicates acceptance of the PJD. **A PJD is not appealable.**

Photo provided:  Yes  No

**Signature of Responsible Party:** \_\_\_\_\_

**Responsible Party Name (First Last, Position) - Printed:** \_\_\_\_\_

**Business Name (if applicable) - Printed:** \_\_\_\_\_

Alternatively, you may request an Approved JD, which is an official determination that jurisdictional "waters of the United States," are present or absent on a site. Approved JDs may be appealed. An Approved JD is recommended for operations located entirely in uplands or old tailings, without a stream diversion. Operators should request an Approved JD if they believe their operation fits this description. A letter will be provided to you if a permit is not required.

Please contact USACE if you have questions or want to request an Approved JD.

Deb McAtee in Fairbanks: [Debby.J.McAtee@usace.army.mil](mailto:Debby.J.McAtee@usace.army.mil) (907) 474-2166

Leslie Tose in Anchorage: [Leslie.W.Tose@usace.army.mil](mailto:Leslie.W.Tose@usace.army.mil) (907) 753-2712 or (800) 478-2712

**PROJECT INFORMATION**

(Indicate all features on plans or topographic map)

**ACCESS OUTSIDE OF CLAIM BLOCK** (see section 17)

Access is:  Existing  To Be Constructed (Dimensions (length x width) \_\_\_\_\_)  Both

**OVERBURDEN** (see section 19)

Has this site been previously mined?  Yes  No

Type:  None  Gravel, Ave. Depth: \_\_\_\_\_ Feet  Organic Material, Ave. Depth: \_\_\_\_\_ Feet

**EXPLORATION TRENCHING** (see section 20)

Estimated Number of trenches to be excavated: \_\_\_\_\_

Average Size: Length: \_\_\_\_\_ Feet Width: \_\_\_\_\_ Feet Depth: \_\_\_\_\_ Feet

**PLACER EXPLORATION DRILLING** (see section 21)

Number of Holes To Be Drilled: \_\_\_\_\_

Estimated Maximum Depth: \_\_\_\_\_ Feet Diameter of Holes: \_\_\_\_\_ Inches

How Will Drill Holes Be Plugged Upon Completion? \_\_\_\_\_

**CAMP DIMENSIONS** (see section 23 Structures / Facilities)

Area of Camp: Length \_\_\_\_\_ Feet Width \_\_\_\_\_ Feet

**STREAM BY PASS or DIVERSION** (See section 27)

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

Proposed bypass dimensions:

Length: \_\_\_\_\_ Width: \_\_\_\_\_ Depth: \_\_\_\_\_

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

**DAM** (See section 30)

Purpose of Dam:  Makeup Water Pond  Settling/Recycle Ponds  No Dam Required

Dam Information:  Existing  To Be Constructed Length: \_\_\_\_\_ Ft Height: \_\_\_\_\_ Ft

Width At Crest: \_\_\_\_\_ Ft Width At Base: \_\_\_\_\_ Ft

**2012 ANNUAL RECLAMATION STATEMENT**

**(34)**

for  
SMALL MINES

APMA # \_\_\_\_\_

Complete and return this statement by December 31, 2012. 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 2012 mining operation described in subject Annual Placer Mining Application. **(Submission of this statement does not constitute reclamation approval.)**

Volume of material disturbed in 2012: \_\_\_\_\_ cubic yards (includes strippings and processed material).

Total acreage disturbed in 2012: \_\_\_\_\_ 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 2012: \_\_\_\_\_ acres.

Total unreclaimed acres: \_\_\_\_\_. (This should match "total acreage currently disturbed" on the Reclamation/Signature page of your 2013 APMA)

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 2012 and therefore did not conduct reclamation.

\_\_\_\_\_  
Signed

\_\_\_\_\_  
Date

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

RECLAMATION PLAN

Check One: [ ] RECLAMATION PLAN  
(Mined Area 5 Acres Or Greater or BLM Notices)

[ ] LETTER OF INTENT TO DO RECLAMATION  
(Mined Area Less Than 5 Acres)

In accordance with Alaska Statute 27.19, reclamation is required of all mining operations. Reclamation bonding is required of mining operations with a mined area (all portions of a mining operation excluding camp and roads on State or private land) 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 required for a reclamation plan.

Total acreage currently disturbed: \_\_\_\_\_ acres. This should match: "Total Unreclaimed Acres" on your 2012 Annual Reclamation Statement for Small Mines, or line #7 on your 2013 Bond Pool Renewal Form. (Disturbed ground includes stripped areas; mining cuts; overburden and tailing stockpiles and disposal areas; stream by-passes; settling ponds and any other areas disturbed since October 1991 (State mining claims or Private lands) or 1981 (Federal mining claims); and are currently unreclaimed. Federal operators include area of camp and roads.

New acres to be disturbed in 2013 \_\_\_\_\_ acres. Total acreage (currently disturbed plus new acres): \_\_\_\_\_ acres.

Of this acreage: \_\_\_\_\_ acres are State land (general) \_\_\_\_\_ acres are State land (Mental Health)  
\_\_\_\_\_ acres are Private land. \_\_\_\_\_ acres are Federal land

Total acreage to be reclaimed in 2013: \_\_\_\_\_ acres; and:

[ ] Reclamation will be conducted concurrently with mining. [ ] Reclamation will be conducted at the end of the mining season.

Total volume of material to be disturbed in 2013: \_\_\_\_\_ cubic yards. (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, and, if necessary, settling pond silts, will be spread over the contoured mine workings 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.
- Stream channel diversions will be relocated to a stable location in the valley flood plain.
- The flood plain will be established wide enough 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.
- All buildings and structures constructed, used or improved, on State land, will be removed, dismantled, or otherwise properly disposed of at the completion of mining. 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).

Other: \_\_\_\_\_

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 mining operation. Reclamation measures must comply with Alaska Statute 27.19.
2. Federal land managers may require reclamation measures different to those identified above.

BONDING

In accordance with Alaska Statute 27.19, bonding is required for all mining operations having a mined area of five acres or greater 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 required 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) <input type="checkbox"/> Owner <input type="checkbox"/> Lessee <input type="checkbox"/> Operator <input type="checkbox"/> Agent	Date:
_____ Signature (Applicant)		

\*\*\* EXAMPLE \*\*\*

## MINE PLAN NARRATIVE

### 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 respread 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) Coarse tailings will be pushed onto the pond dike and used to cap ponds.

### RECLAMATION:

Reclamation will progress in the following steps:

- 1) Ponds will be drained slowly with care taken not to lose sediment.
- 2) **Reestablished streams should 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 \*\*\*

# INSTRUCTIONS FOR COMPLETING PLAN MAP AND DESCRIPTION OF OPERATION

## SUBMIT ONLY SCALE DRAWINGS.

This checklist is provided to assist you in the completion of your plan map. Sketch your complete mining and reclamation plans in detail; and include written descriptions of your planned operation, as necessary, including reclamation plans, to provide reviewing agencies an understanding of your proposed sequence of mining activities for the mining season. BLM Operations include Supplements A – Performance Standards Checklist, B – Water Management Plan, C – Placer Reclamation Plan, and D – Seasonal or Temporary Closure Plan.

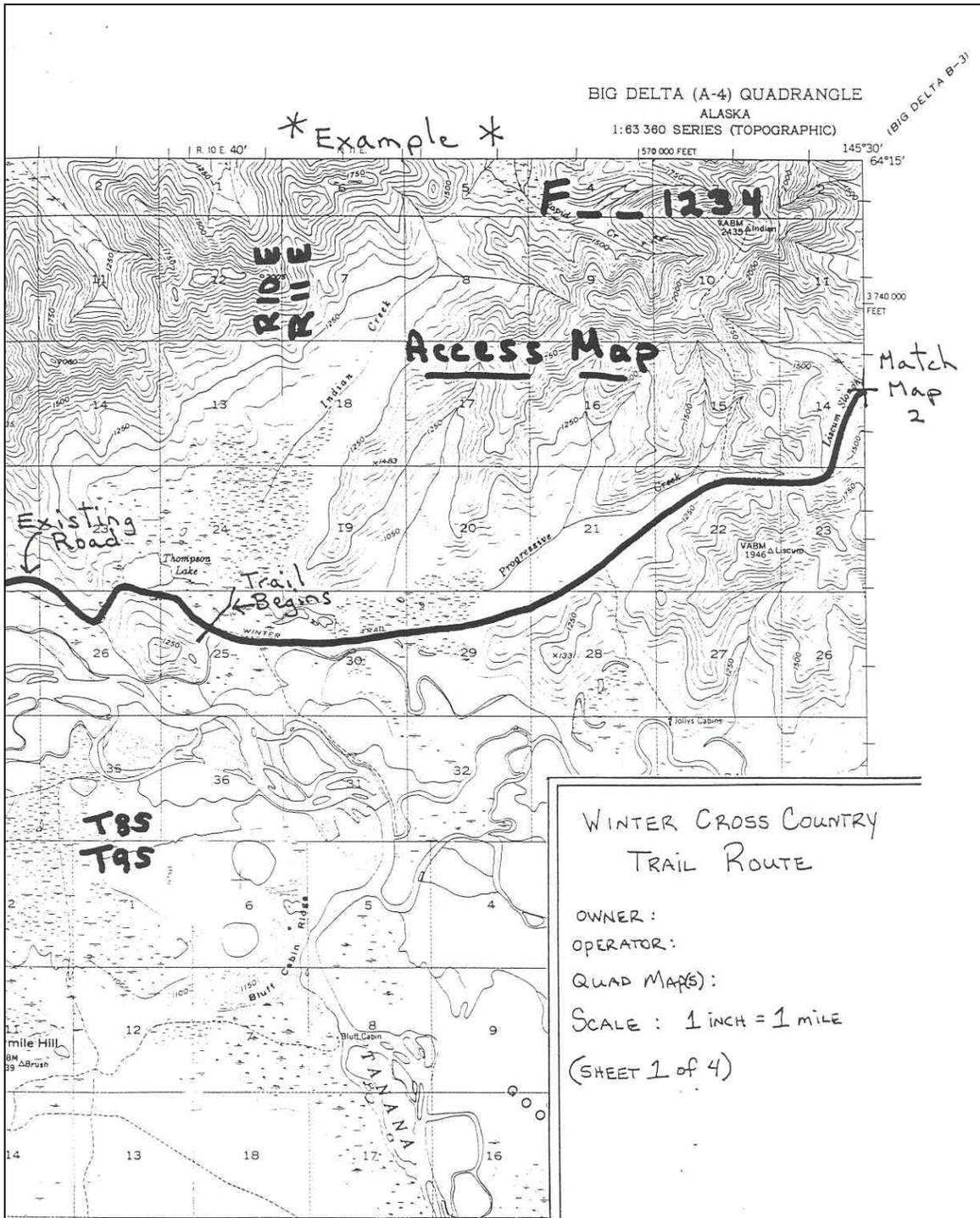
### SKETCH CHECKLIST

INCLUDE EACH OF THE FOLLOWING ITEMS IN YOUR SKETCH -- IF AN ITEM DOES NOT APPLY, INDICATE BY "N/A"

- ] **CLAIM LOCATIONS** -- indicate claim name, ADL/BLM number, boundary lines and corner posts.
- ] **MINING CUTS** -- indicate location, dimensions (lengths, widths and depths), and sequence of mining; indicate active vs. planned cuts; and areas currently stripped vs. areas you are planning to strip.
- ] **OVERBURDEN STOCKPILES** -- indicate material type, location and dimensions (lengths and widths).
- ] **TAILINGS DISPOSAL AREAS** -- indicate temporary stockpiles and describe your proposed methods for permanent disposal, including location (where?, when? and how?)
- ] **SETTLING PONDS** -- indicate location and dimensions (lengths, widths and depths), number each pond as in Section (32) of this APMA indicate your recycle system, including pump and line from pond to plant; also, indicate the direction of water flow through your pond system and the location and estimated quantity of any discharge.
- ] **MAKE-UP WATER and/or CAMP WATER** -- indicate location of pump, line, or headgate and ditch. Describe method used to prevent fish entrapment.
- ] **STREAM** -- indicate location, name of drainage, direction of flow, and width of original channel.
- ] **STREAM BY-PASSES** -- indicate location, dimensions (lengths, widths and depths), and direction of water flow.
- ] **AREAS TO BE RECLAIMED** -- indicate location and dimensions (lengths and widths).
- ] **PREVIOUSLY RECLAIMED AREAS** -- indicate locations.
- ] **FUEL STORAGE AREA** -- indicate location with respect to stream and active mining area -- include distance from flowing waters.
- ] **CAMP FACILITIES or STRUCTURES** -- indicate location and describe size, type, and purpose of each structure (Federal operators should indicate the approximate length and width of the camp area).
- ] **SANITARY AND SOLID WASTE** -- indicate location and method of disposal (i.e., outhouse; trash collection; etc.).
- ] **NORTH ARROW** -- indicate the direction of north with respect to your operation.
- ] **SCALE BAR** -- include a scale bar on the drawing.
- ] **SIZE OF VALLEY** -- indicate, with dotted lines, the approximate width of the valley floor.
- ] **ACCESS** -- indicate type and location of existing access to the claims and specifically to the exploration area (Federal operators should include length and width of access); indicate type and location of proposed construction of new access including length, width and distribution of fill if fill would be placed in wetlands, ponds, streams, or other waters of the U.S. List all named and unnamed streams crossed during cross country travel.

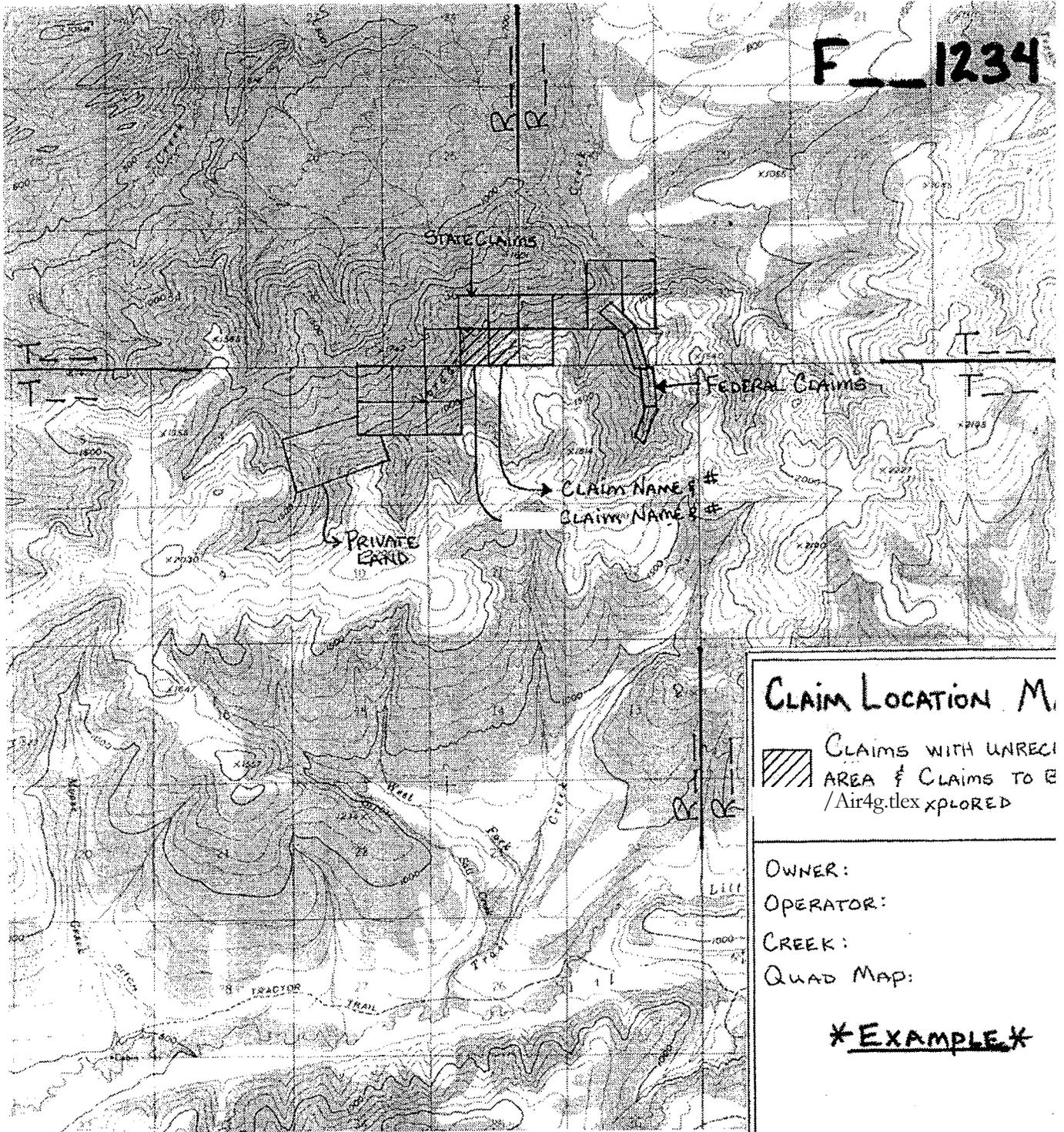
Please make one final review of the plan map checklist to make certain that you included everything.

**INCOMPLETE PLAN MAPS WILL CAUSE THE ENTIRE APMA TO BE RETURNED**

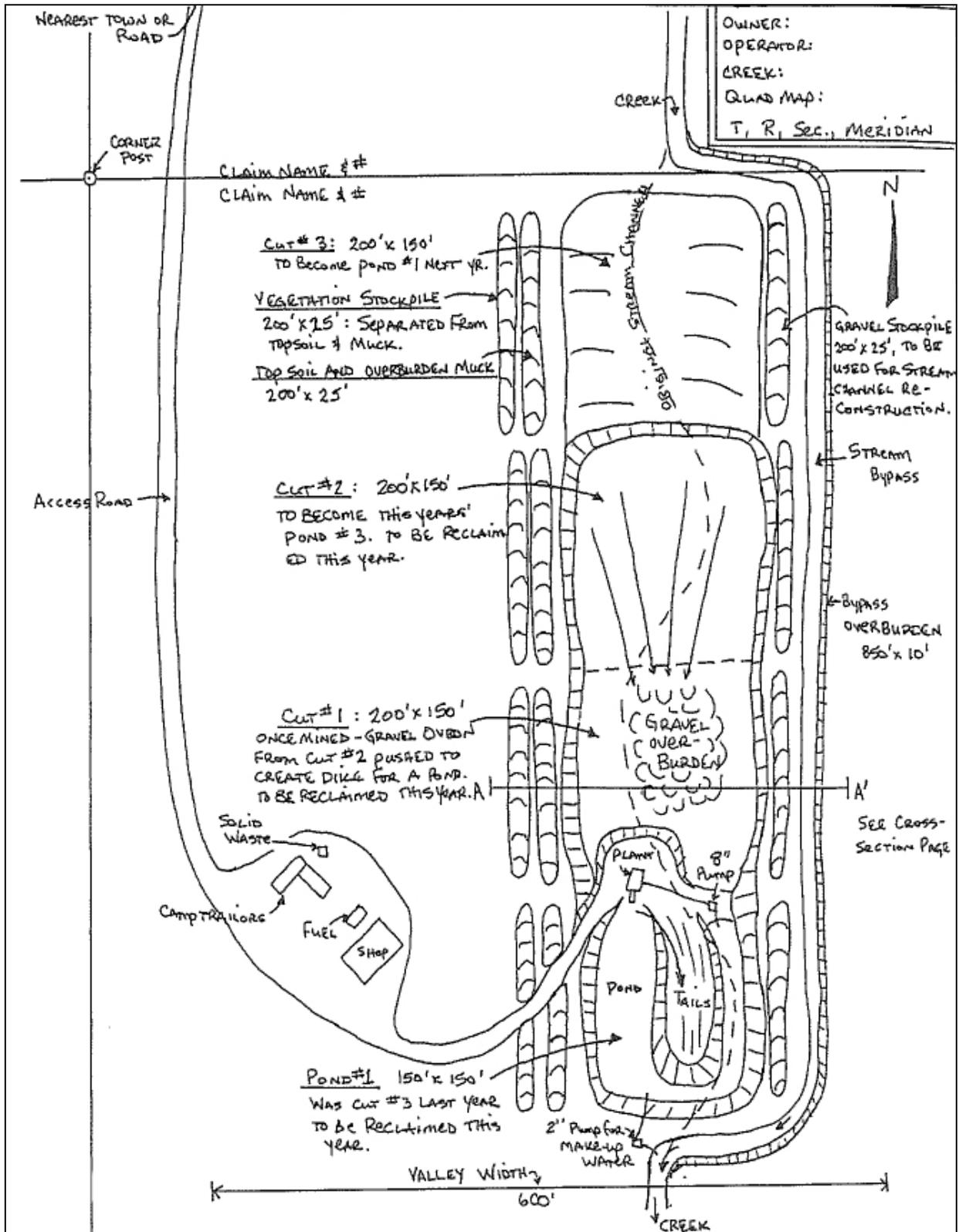


**Example of Access Map**

Example of Plan of Operations Sketch Sheet

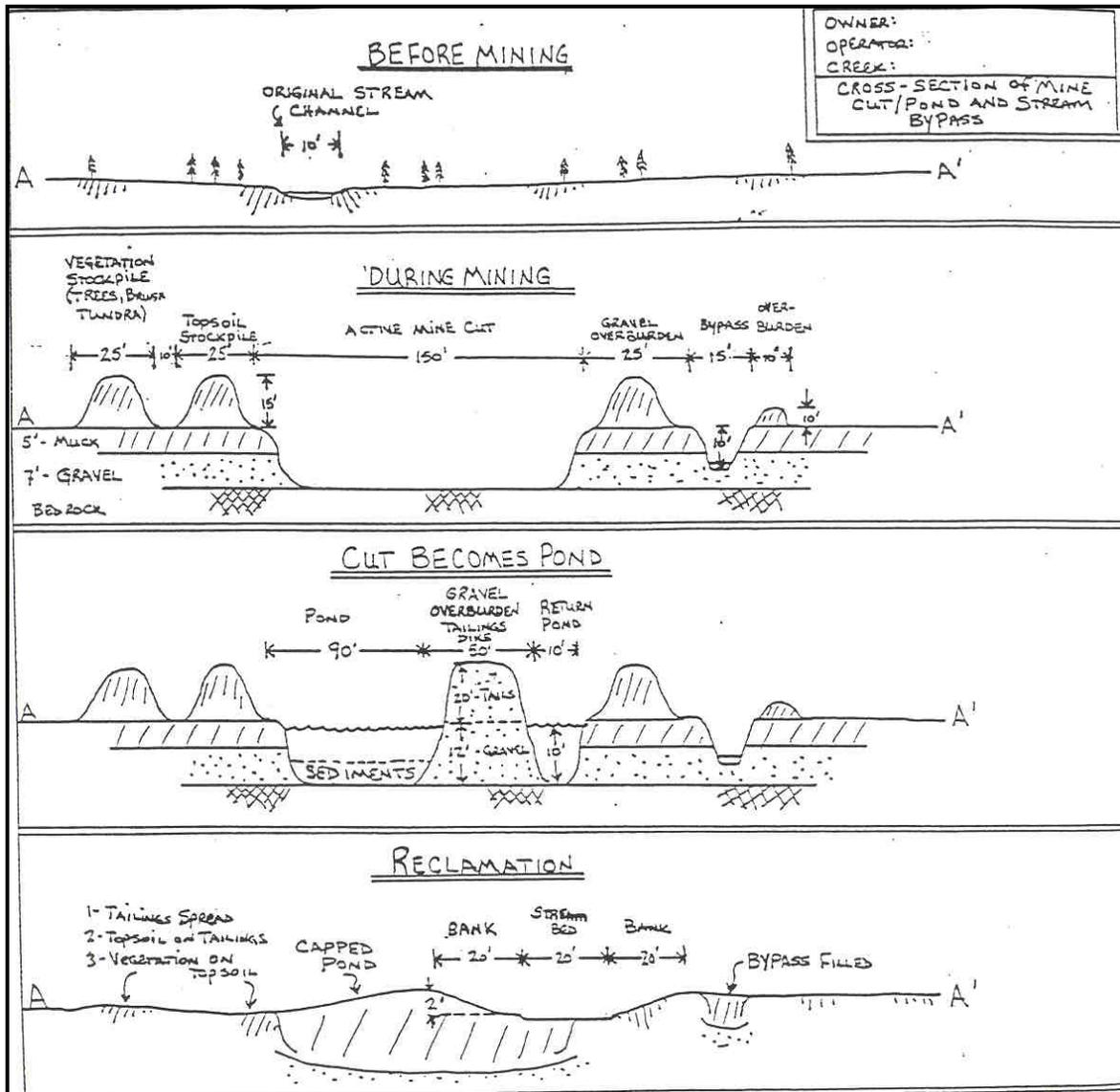


EXAMPLE  
CLAIM LOCATION MAP



(Attach Additional Sheets, Along With Detailed Explanations As Necessary)  
PLEASE REVIEW THE SKETCH SHEET CHECKLIST TO ENSURE THAT ALL REQUIRED ITEMS ARE INCLUDED  
**INCOMPLETE SKETCH SHEETS WILL CAUSE THE ENTIRE APMA TO BE RETURNED**

Example of Plan of Operations Cross-Section Sketch Sheet



**CROSS SECTIONS**

A cross-section is a "slice" through an area of ground which shows the vertical dimensions of slopes, layers and other features related to the mining operation.

To draw a cross-section, first define a line across an area of the mining operation where typical mining activity will occur. The line should cross the entire width of the operation. Next, draw the cross-sectional view along the line. Finally, label all components and include dimensions.

(Attach Additional Sheets, Along With Detailed Explanations As Necessary)

PLEASE REVIEW THE SKETCH SHEET CHECKLIST TO ENSURE THAT ALL REQUIRED ITEMS ARE INCLUDED

**INCOMPLETE SKETCH SHEETS WILL CAUSE THE ENTIRE APMA TO BE RETURNED**