

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

☒ Single Year 20 ☐ Multi-year Start: _____ Finish: _____ APMA Number (A/F/J, Year, ****) F20 2911

What type activity are you planning to perform? *REQUIRED (1) <input checked="" type="checkbox"/> Exploration/Reclamation <input type="checkbox"/> Mining/Reclamation <input type="checkbox"/> Hardrock Exploration/Reclamation <input type="checkbox"/> Access Equipment <input type="checkbox"/> Suction Dredge <input type="checkbox"/> Reclamation		Surface estate of mineral properties: *REQUIRED (2) <input checked="" type="checkbox"/> State (General) <input type="checkbox"/> Private (Patented) <input type="checkbox"/> Private (Native Corp.) <input type="checkbox"/> State (Mental Health) <input type="checkbox"/> Federal <input type="checkbox"/> City or Borough	
Mineral Property Owners: *REQUIRED (3) Individual Contact Name and Company Name <u>Charles Tillian</u>	Lessee: (4) Individual Contact Name and Company Name *if applicable <u>N/A</u>	Operator: *REQUIRED (5) Individual Contact Name and Company Name <u>Charles Tillian</u>	
Mailing Address for official correspondence: *REQUIRED <u>P.O. Box 30086</u> <u>Central Alaska 99730</u>	Mailing Address for official correspondence: 	Mailing Address for official correspondence: *REQUIRED <u>P.O. Box 30086</u> <u>Central Alaska 99730</u>	
Summer phone# (Primary): *REQUIRED <u>907-520-5240</u>	Summer phone# (Primary): 	Summer phone# (Primary): *REQUIRED <u>907-520-5240</u>	
Summer phone# (Secondary): 	Summer phone# (Secondary): 	Summer phone# (Secondary): 	
Winter phone# (Primary): *REQUIRED <u>907-520-5240</u>	Winter phone# (Primary): 	Winter phone# (Primary): *REQUIRED <u>907-520-5240</u>	
Winter phone# (Secondary): 	Winter phone# (Secondary): 	Winter phone# (Secondary): 	
Cell/Satellite: <u>907-347-1841</u>	Cell/Satellite: 	Cell/Satellite: <u>907-347-1841</u>	
FAX: 	FAX: 	FAX: 	
E-mail: 	E-mail: 	E-mail: 	
Alaska Business/Corporation Entity #: 	Alaska Business/Corporation Entity #: 	Alaska Business/Corporation Entity #: 	
Registered Agent (Corp./LLC/LP): 	Registered Agent (Corp./LLC/LP): 	Registered Agent (Corp./LLC/LP): 	
Project Name If Applicable: (6)	Average Number of Workers: *REQUIRED (7) <u>2</u>	Start-Up/Shut Down: (Month/Day) (8) <u>~ June</u> to <u>~ Sep</u>	
Mining District: *REQUIRED (9) <u>Fairbanks</u>	Applicable USGS Map: *REQUIRED (10) <u>Circle B-3</u>	On What Stream Is This Activity? (11) <u>Independence</u>	
Legal Description of mineral properties to be worked and other projected related activities (MTRS): *REQUIRED (12) <u>F 7N 12E 03, F 8N 12E 35</u>			
Internal Use Only: Date Application Received Complete: _____ Adjudicator: _____ LAS Entry: _____ CID(s): <u>49593</u> CID(s): _____ CID(s): _____			

State of Alaska
Annual Placer Mining Application

Date: 6/29/20

Amendment #: 1 for 2020

APMA: F20 2911

Please note the following changes in the above referenced application:

Owner: Tillian

Operator: Same

Address: _____

Legal description: T _____ R _____ Sections _____ Meridian _____

Quadrangle: _____ Creek: _____

Claim Names:

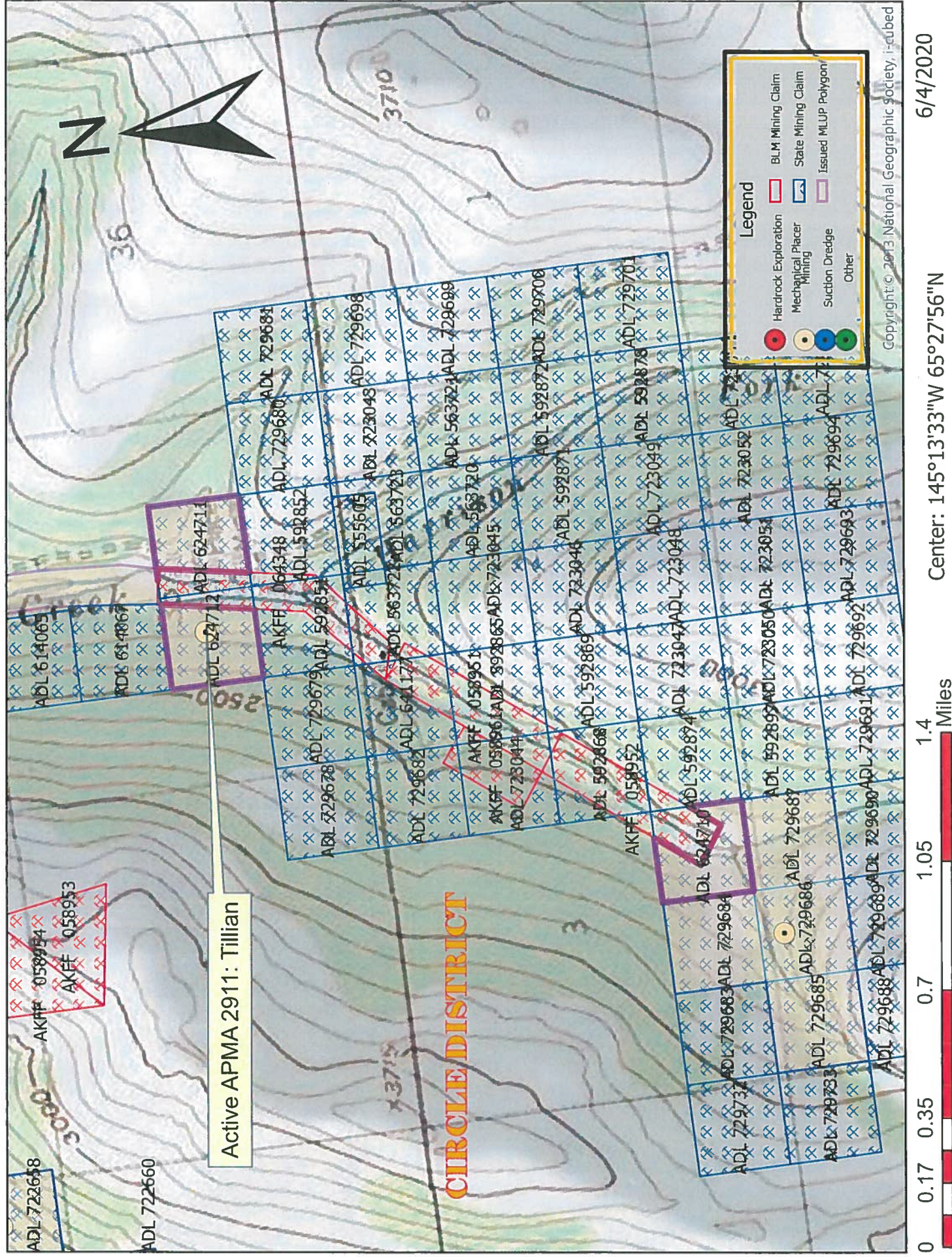
Claim #'s:

Comments: Amenal to update Work Plan
& water use

JAR

Include all changes in plans, dimensions and locations (attach additional pages if needed).

APMA 2911 Claim Status



The screenshot displays the Alaska Mapper web application interface. The main map area shows a topographic map with a grid of blue squares, each labeled with a 6-digit ID number. A yellow rectangular area highlights a specific section of the map. The interface includes a top navigation bar with 'Alaska Mapper' and 'Logout' links, a left sidebar with 'State of Alaska' and 'Mineral Estate Map (public)' tabs, and a bottom toolbar with various map controls like zoom, pan, and layers. A status bar at the bottom shows the current location: 'Lat Lon (DD) : 65.4739 N, 145.2214 W'.

ADL 624712	Active (35)	Mining Claim (713)	Tillian Charles
ADL 624711	Active (35)	Mining Claim (713)	Tillian Charles
ADL 624710	Active (35)	Mining Claim (713)	Tillian Charles

MINERAL PROPERTIES LIST

(13)

If requesting more than 12 claims, Are additional sheets with ADL/BLM/USMS and Legal Descriptions Attached? ☐ Yes ☐ No
Are any of these mineral properties an Upland or Offshore Mining Lease? ☐ Yes ☐ No

	ADL/BLM/USMS #	PROPERTY NAME		ADL/BLM/USMS #	PROPERTY NAME
1.	624711	INDE #2	7.		
2.			8.		
3.			9.		
4.			10.		
5.			11.		
6.			12.		

INVENTORY OF EQUIPMENT

(14)

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

Check One:

	Make, Model, Type, Size, Purpose of Equipment or Pump	Quantity of this type	Located on the claim block?	Transporting to claim block?
1.	Cat D8L Dozer	1		<input checked="" type="checkbox"/>
2.	Cat 235 Excavator	1		<input checked="" type="checkbox"/>
3.	6 in Gorman Rup Pump	1		<input checked="" type="checkbox"/>
4.	4 By 8 Screen Plant	1		<input checked="" type="checkbox"/>
5.	50 KW INGERSOLL Ran Gen	1		<input checked="" type="checkbox"/>
6.	Trailer King Tandon 20 AT	1		<input checked="" type="checkbox"/>
7.				
8.				

ACCESS OUTSIDE OF CLAIM BLOCK

(15)

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.

All season roads may be an improved dirt road intended to be used during all seasons of the year without causing long term damage to the road. NOTE: It is strongly recommended that you contact the appropriate Regional Land Office as certain roads are subject to Generally Allowed Uses, and authorization (permit or easement) may be required for use of the route with off-road vehicles greater than 1500 lbs curb weight (like mining equipment).

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.

Is a complete route map attached, including winter cross country travel if applicable? ☐ Yes ☐ No

Access is: ☒ Existing ☐ To be constructed off claim block ☐ Both, or ☐ Helicopter Supported

Access outside the claim block crosses what type of land(s)? ☒ State (General) ☐ State (Mental Health)
☐ City/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: _____

WATER USE AUTHORIZATIONS

Water usage (including from 100% recycle systems) may require approval by either Temporary Water Use Authorization or a Water Right. Information provided below will be used to determine the quantity of water that you may be authorized to use for your mining operation. When estimating water quantities, please estimate withdrawal amounts typical of a dry summer and provide the maximum quantity that you may withdraw from a particular source (e.g. stream, pond, groundwater, etc.) in a season.

A Temporary Water Use Authorization application may be initiated from this APMA application unless a Water Right is requested. Please contact the ADNR, Water Resources Section at telephone number (907) 451-2790 if interested in a Water Right or for more information.

A. START-UP WATER AND MAKE-UP WATER:

Is water withdrawn from any lake, stream, creek, river, etc. (does not include recycling/settling ponds)? ☐ Yes ☐ No

What is the name(s) of the lake, stream, creek, river, etc.? _____

What are the months of water use needed (for example May 1st through October 31st)? _____

Start-up water: Is water required at the start of the season to fill your recycle/settling pond system?

☒ Yes (if **YES**, complete information below). ☐ No If yes, what is the source name? Beaver Pond

Source: ☒ Seepage infiltration from groundwater gained from cut and/or stream on claim
☐ Diversion ditch from stream. Number of days diverting from stream for start-up water: _____
☐ Water intake rate: _____ gpm _____ hrs/day
☐ Pump from stream. Number of days pumping from stream for start-up water: _____
☐ Number of water pumps for start-up water: 1 Water intake rate (list for each pump): 100 gpm

Till Pond is full hrs/day

Make-up water: Is water required to maintain water level in your recycle/settling pond system?

☐ Yes (if **YES**, complete information below). ☒ No If yes, what is the source name? _____

Source: ☐ Seepage infiltration from groundwater gained from cut and/or stream
☐ Ditch from stream. Number of days diverting from stream for make-up water: _____
☐ Water intake rate: _____ gpm _____ hrs/day
☐ Pump from stream. Number of days pumping from stream for make-up water: _____
☐ Number of water pumps for make-up: _____ Water intake rate (list for each pump): _____ gpm
_____ hrs/day Pump intake size: _____ inches

B. RECYCLE/SETTLING POND SYSTEM.

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

How many ponds are used in the recycle system? 1

Recycle pond is pond #: 1 Settling pond is pond #: 1

C. RECYCLE/SETTLING POND SYSTEM (continued).

Indicate Length (L), Width (W), and Depth (D) of each pond:

Pond # 1: L: <u>40</u> ft	W: <u>40</u> ft	D: <u>5</u> ft	Pond # 2: L: _____ ft	W: _____ ft	D: _____ ft
Pond # 3: L: _____ ft	W: _____ ft	D: _____ ft	Pond # 4: L: _____ ft	W: _____ ft	D: _____ ft
Pond # 5: L: _____ ft	W: _____ ft	D: _____ ft	Pond # 6: L: _____ ft	W: _____ ft	D: _____ ft

Estimated hours per day that pump(s) will be used, return line size (in inches), operating pump rate (in gallons per minute), and water usage days per month:

Pump #1: _____ hrs/day _____ inches _____ gpm _____ days/month
Pump #2: _____ hrs/day _____ inches _____ gpm _____ days/month
Pump #3: _____ hrs/day _____ inches _____ gpm _____ days/month

D. CAMP WATER USE.

Is camp water used? ☐ Yes ☐ No

Maximum number of persons present in camp at a time _____

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

Name of water source (if any): _____

Camp pump intake diameter: _____ Camp pump rate: _____ gpm _____ hrs/day

E. EXPLORATION ACTIVITIES.

Is water required for exploration activities? ☐ Yes ☐ No

If **YES**, What types of exploration activities are being performed? ☐ Trenching ☐ Drilling

If **YES**, How many total pumps are used in the exploration activities? _____ (Max pumps per source).

Estimated hours per day that pump(s) will be used, return line size (in inches), operating pump rate (in gallons per minute), and water usage days per month: Pump #1: _____ hrs/day _____ inches _____ gpm _____ days/month

A map of your requested drilling water sources is required with the following information:

- MTRS sections,
- stream reaches or other water sources (please label, including take points if known)
- and drill hole locations

F. SUCTION DREDGING.

If suction dredging activity is occurring please ensure that you have completed the dredge table in Section (20) MINING METHOD.

TIMBER CLEARING AND USE
(Operations on State Lands Only)

(26)

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

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

Will timber be used for the mining or development of the location or lease? ☐ Yes ☐ No If yes, continue:

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

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

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

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

WASTEWATER DISCHARGE PERMIT APPLICATION

(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. See Cover Pages for a list of APDES permit fees.

Operations wishing to discharge under the APDES Small Suction Dredge General Permit (dredges with intake diameters of 6" or less, or highbankers) may skip this section but must complete annual online registrations, including \$25 fee payments, at <http://alaska.gov/go/2MPF>.

Previously issued DEC-APDES Wastewater discharge permit #: _____

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

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

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

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

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

Approximate coordinates of mine site:

Latitude: _____ Longitude: _____

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

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

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

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

If a mixing zone is requested, provide the following:

Coordinates of discharge location: Latitude: _____ Longitude: _____

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

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

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

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

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

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

Signature of Responsible Party: _____

Charles Tillian

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

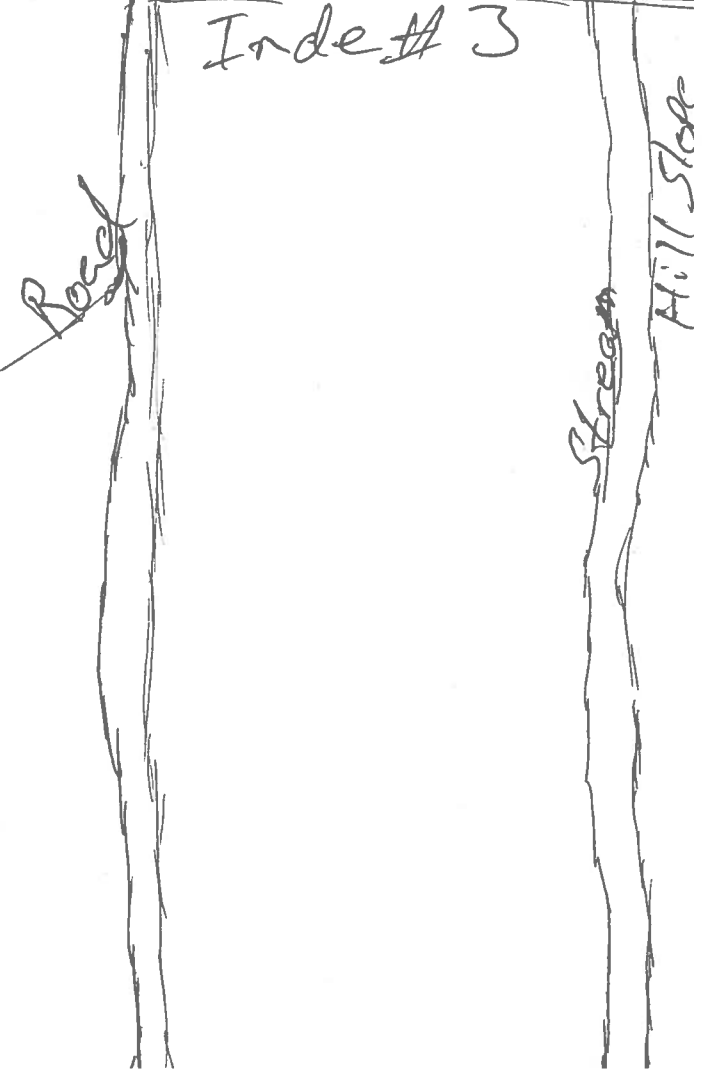
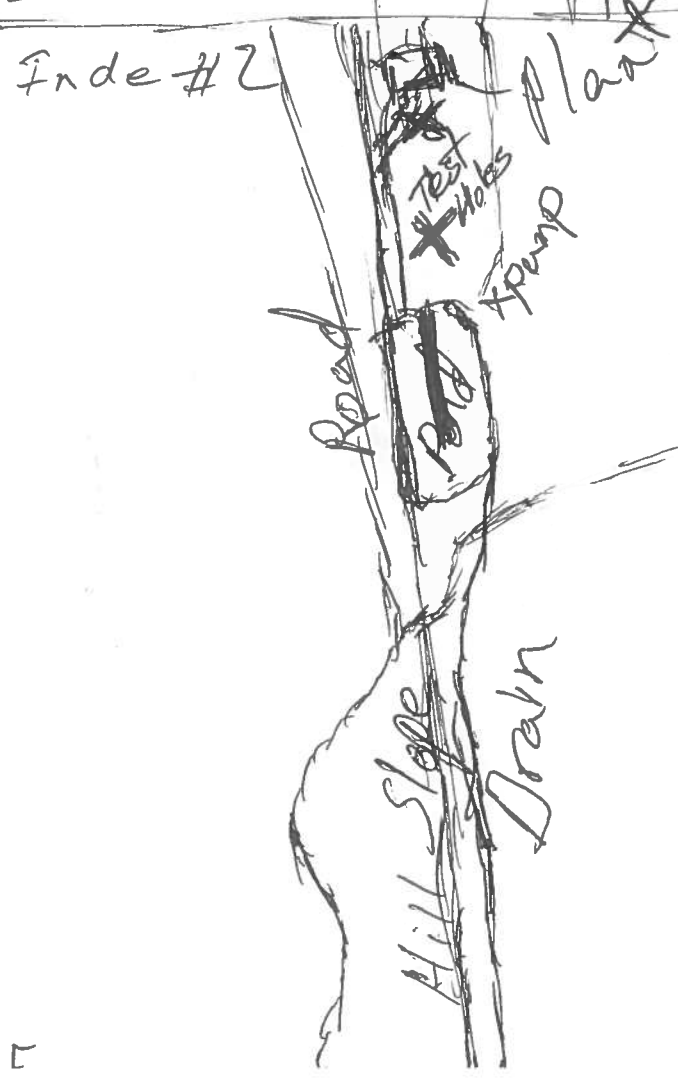
Charles Tillian

Business Name (if applicable) - Printed: _____

Claim owner



VE



100yd Sample Test

PLAN MAP OF OPERATION *REQUIRED

Indet 2

(30)

11/11

Test Hole

pump
ford

VICINITY MAP

Phone

520-5240

Chuck

Date Prepared:	Applicant Name: Charles Tillman
STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES DIVISION OF MINING, LAND AND WATER	
MAP:	
Sec.(s) 35	Township 8N, Range 12E, Meridian Fairbanks
Scale: 1" = 400'	ADLs: 624711
SHEET OF	APMA #

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