

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

Single Year  Multi-year Start: 1-1-2026 Finish: 12-31-2035 APMA Number (A/F/J, Year, \*\*\*\*) F269748

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

Name: See attached Table 1 Primary Phone Number: \_\_\_\_\_  
 Address: \_\_\_\_\_ Secondary Phone Number: \_\_\_\_\_  
 \_\_\_\_\_ Email: \_\_\_\_\_

[Click here for the Department of Commerce Link](#)

Alaska Business/Corporation Entity# \_\_\_\_\_ Registered Agent (Corp./LLC/LP) \_\_\_\_\_

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

Name: Tower Hill Mines, Inc. Primary Phone Number: 907-328-2805  
 Address: 506 Gaffney Road, Suite 200 Secondary Phone Number: 907-378-5346  
Fairbanks, Alaska 99701 Email: dherzog@ithmines.com

Alaska Business/Corporation Entity# 963452 Registered Agent (Corp./LLC/LP) \_\_\_\_\_

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

Name: \_\_\_\_\_ Primary Phone Number: \_\_\_\_\_  
 Address: \_\_\_\_\_ Secondary Phone Number: \_\_\_\_\_  
 \_\_\_\_\_ Email: \_\_\_\_\_

Alaska Business/Corporation Entity# \_\_\_\_\_ Registered Agent (Corp./LLC/LP) \_\_\_\_\_

Check All That Apply:  Mineral Property Owner  Lessee  Operator **\*Required (6)**

Name: \_\_\_\_\_ Primary Phone Number: \_\_\_\_\_  
 Address: \_\_\_\_\_ Secondary Phone Number: \_\_\_\_\_  
 \_\_\_\_\_ Email: \_\_\_\_\_

**Attach a separate sheet for additional contacts**

Alaska Business/Corporation Entity# \_\_\_\_\_ Registered Agent (Corp./LLC/LP) \_\_\_\_\_

Project Name If Applicable: <b>(7)</b> <u>Livengood Gold Project</u>	Average Number of Workers: <b>*REQUIRED (8)</b> <u>4-24</u>	Start-Up/Shut Down: (Month/Day) <b>(9)</b> <u>1/1/2026</u> to <u>12/31/2035</u>
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Mining District: <b>*REQUIRED (10)</b> <u>Tolovana</u>	Applicable USGS Map(s): <b>*REQUIRED (11)</b> <u>Livengood B-3, B-4, C-3, C-4 quads</u>	On What Stream Is This Activity? <b>(12)</b> <u>See attached figures</u>
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Legal Description of mineral properties to be worked (MTRS) <b>*REQUIRED (13)</b> Example: Fairbanks Meridian Township 001N Range 003E Sections 15, 16, and 21 or F 001N 003E Sec. 15, 16, and 21 See attached Table 1.	Internal Use Only:
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Internal Use Only:

Date Application Received Complete: \_\_\_\_\_ Adjudicator: \_\_\_\_\_ LAS Entry: \_\_\_\_\_  
 Sec 3 CID: \_\_\_\_\_ Sec 4 CID: \_\_\_\_\_ Sec 5 CID: \_\_\_\_\_ Sec 6 CID: \_\_\_\_\_

**MINERAL PROPERTIES LIST**

**(14)**

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

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

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

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

**INVENTORY OF EQUIPMENT**

**(15)**

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

Check One:

	Make, Model, Type, Size, Purpose of Equipment or Pump	Quantity of this type	Located on the claim block?	Transporting to claim block?
1.	Passenger 4-wheel drive pickups used to transport personnel to the project	8-10		✓
2.	Cat 299C track-mounted skid steer	1	✓	
3.	Kabelco K909LC-II track-mounted excavator or equivalent	1	✓	✓
4.	Cat D-6 track-mounted bulldozer or equivalent	1		✓
5.	Snow machines (Ski-Do Tundra) and ATV (Honda 4-wheelers)	2-4	✓	
6.	Helicopter for transporting drills, personnel, and materials	1-2	✓	
7.	Pumps used to withdraw up to 20gpm water from permitted sources for drilling	1-2		✓
8.	Tire or track mounted core drills and/or track-mounted Nodwell auger drills	2-4		✓

**ACCESS TO THE CLAIM BLOCK**

**(16)**

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

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

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

State  City/Borough  Federal  Private

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

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

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

Navigable Waterway

Aircraft Supported

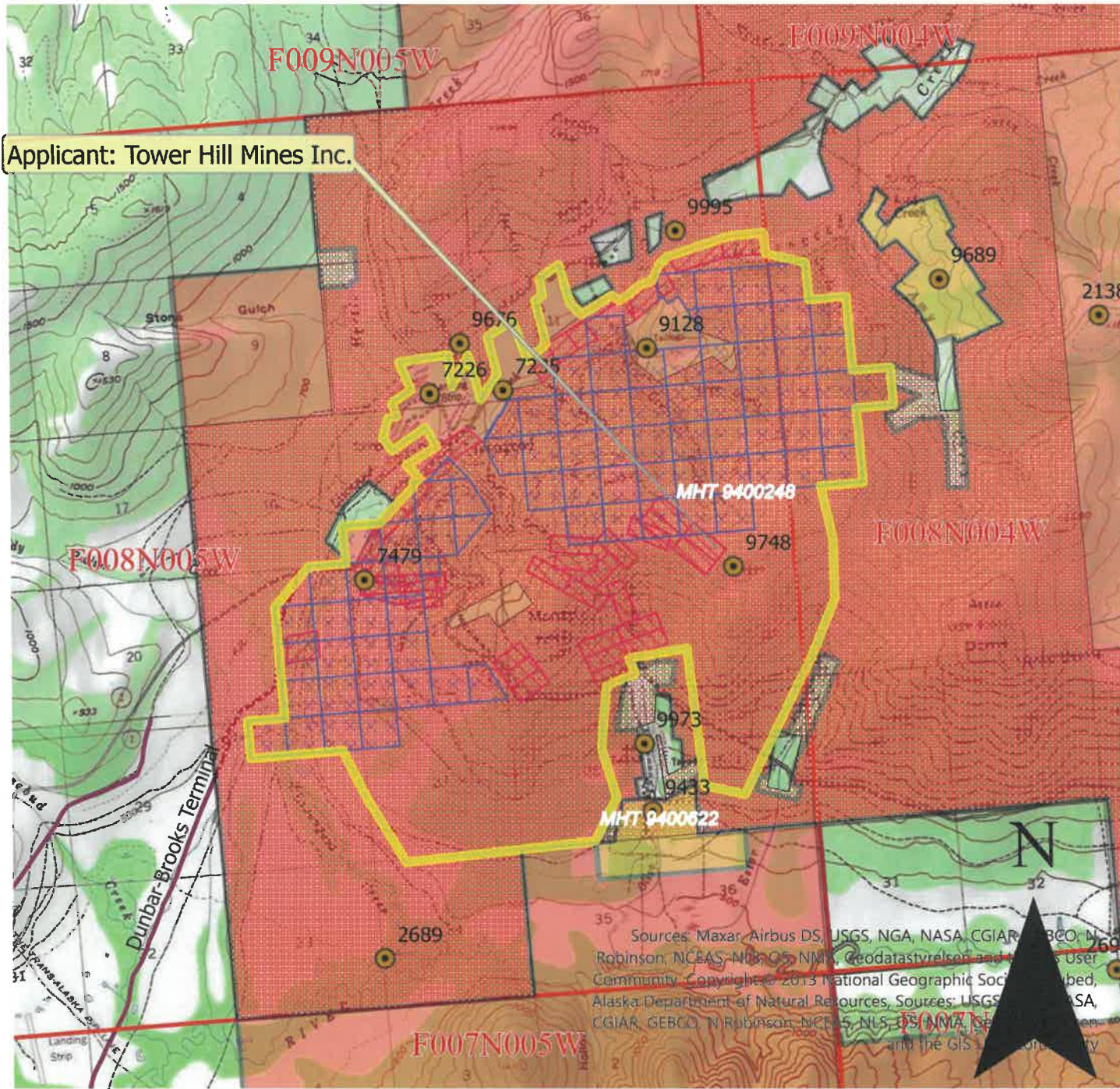
**Indicate type(s) of access to be constructed within the claim block for development of the mineral resource:**

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

# APMA 9748 Active Area








Applicant: Tower Hill Mines Inc.



This map was created on 3/11/2026 by the Alaska Department of Natural Resources as a courtesy to supplement the application received. This map displays a graphical illustration only. Source documents remain the official record.

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Scale: 1:63,360

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



Center: 148°31'13"W 65°30'46"N

Sources: Maxar, Airbus DS, USGS, NGA, NASA, CGIAR, GEBCO, N Robinson, NCEAS, NLS, Q5, NMA, Geodatastrelson and the User Community. Copyright © 2013 National Geographic Society, Alaska Department of Natural Resources, Sources: USGS, NASA, CGIAR, GEBCO, N Robinson, NCEAS, NLS, Q5, NMA, Geodatastrelson and the User Community.

## State Mining Claims

CASE_ID	CSTMRNM	SPCLCDDSCR	CSSTSDSCR	CLAIM_NAME	NTPSTDT	RFRSHDT
ADL 330936	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 55	14-May-81	1/14/2025 14:00
ADL 330937	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 56	14-May-81	1/14/2025 14:00
ADL 330938	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 64	13-May-81	1/14/2025 14:00
ADL 330939	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 65	14-May-81	1/14/2025 14:00
ADL 330940	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 66	14-May-81	1/14/2025 14:00
ADL 330942	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 73	13-May-81	1/14/2025 14:00
ADL 330943	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 74	13-May-81	1/14/2025 14:00
ADL 330944	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 75	14-May-81	1/14/2025 14:00
ADL 330945	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 76	14-May-81	1/14/2025 14:00
ADL 330946	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 82	12-May-81	1/14/2025 14:00
ADL 330947	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 83	13-May-81	1/14/2025 14:00
ADL 330948	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 84	13-May-81	1/14/2025 14:00
ADL 330949	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 85	14-May-81	1/14/2025 14:00
ADL 330950	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 86	14-May-81	1/14/2025 14:00
ADL 330951	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 91	12-May-81	1/14/2025 14:00
ADL 330952	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 92	12-May-81	1/14/2025 14:00
ADL 330953	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 93	13-May-81	1/14/2025 14:00
ADL 330954	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 94	13-May-81	1/14/2025 14:00
ADL 330955	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 95	14-May-81	1/14/2025 14:00
ADL 330956	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 96	14-May-81	1/14/2025 14:00
ADL 330957	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 101	12-May-81	1/14/2025 14:00
ADL 330958	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 102	12-May-81	1/14/2025 14:00
ADL 330959	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 103	12-May-81	1/14/2025 14:00
ADL 330960	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 104	12-May-81	1/14/2025 14:00
ADL 330961	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 105	12-May-81	1/14/2025 14:00
ADL 330962	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 106	12-May-81	1/14/2025 14:00
ADL 330963	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 202	13-May-81	1/14/2025 14:00
ADL 330964	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 203	13-May-81	1/14/2025 14:00
ADL 330965	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 204	15-May-81	1/14/2025 14:00
ADL 330966	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 205	13-May-81	1/14/2025 14:00
ADL 330967	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 206	14-May-81	1/14/2025 14:00
ADL 330968	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 207	14-May-81	1/14/2025 14:00
ADL 330969	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 208	14-May-81	1/14/2025 14:00
ADL 330971	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 303	13-May-81	1/14/2025 14:00
ADL 330972	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 304	15-May-81	1/14/2025 14:00
ADL 330973	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 305	13-May-81	1/14/2025 14:00
ADL 330974	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 306	14-May-81	1/14/2025 14:00
ADL 330975	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 307	14-May-81	1/14/2025 14:00





ADL 348827	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LC 1287	26-May-82	1/14/2025 14:00
ADL 348828	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LC 1288	2-Jun-82	1/14/2025 14:00
ADL 348829	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LC 1382	27-May-82	1/14/2025 14:00
ADL 348830	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LC 1383	27-May-82	1/14/2025 14:00
ADL 348831	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LC 1384	27-May-82	1/14/2025 14:00
ADL 348832	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LC 1385	27-May-82	1/14/2025 14:00
ADL 347946	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LC 503	5-Jun-82	1/14/2025 14:00
ADL 347947	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LC 506	7-Jun-82	1/14/2025 14:00
ADL 347948	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LC 507	7-Jun-82	1/14/2025 14:00
ADL 347951	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LC 602	5-Jun-82	1/14/2025 14:00
ADL 347952	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LC 603	5-Jun-82	1/14/2025 14:00
ADL 347953	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LC 604	6-Jun-82	1/14/2025 14:00
ADL 347954	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LC 605	6-Jun-82	1/14/2025 14:00
ADL 347955	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LC 695	10-Jun-82	1/14/2025 14:00
ADL 347956	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LC 696	10-Jun-82	1/14/2025 14:00
ADL 347959	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LC 702	6-Jun-82	1/14/2025 14:00
ADL 347960	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LC 703	6-Jun-82	1/14/2025 14:00
ADL 347961	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LC 704	6-Jun-82	1/14/2025 14:00
ADL 347962	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LC 790	12-Jun-82	1/14/2025 14:00
ADL 347963	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LC 791	12-Jun-82	1/14/2025 14:00
ADL 347964	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LC 792	11-Jun-82	1/14/2025 14:00
ADL 347965	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LC 793	11-Jun-82	1/14/2025 14:00
ADL 347966	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LC 794	11-Jun-82	1/14/2025 14:00
ADL 347967	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LC 795	10-Jun-82	1/14/2025 14:00
ADL 347968	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LC 796	10-Jun-82	1/14/2025 14:00
ADL 347969	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LC 797	10-Jun-82	1/14/2025 14:00
ADL 347970	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LC 798	9-Jun-82	1/14/2025 14:00
ADL 347971	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LC 799	8-Jun-82	1/14/2025 14:00
ADL 347972	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LC 800	8-Jun-82	1/14/2025 14:00
ADL 347974	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LC 802	8-Jun-82	1/14/2025 14:00
ADL 361326	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 90	24-Oct-83	1/14/2025 14:00
ADL 361332	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 401	24-Oct-83	1/14/2025 14:00
ADL 361335	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 501	24-Oct-83	1/14/2025 14:00
ADL 361349	Livengood Placers Inc	Mining Claim (MC)	Active (35)	GALAXY 1	10-Oct-83	1/14/2025 14:00
ADL 361350	Livengood Placers Inc	Mining Claim (MC)	Active (35)	GALAXY 2	10-Oct-83	1/14/2025 14:00
ADL 361351	Livengood Placers Inc	Mining Claim (MC)	Active (35)	GALAXY 3	10-Oct-83	1/14/2025 14:00
ADL 361352	Livengood Placers Inc	Mining Claim (MC)	Active (35)	GALAXY 4	10-Oct-83	1/14/2025 14:00
ADL 361353	Livengood Placers Inc	Mining Claim (MC)	Active (35)	GALAXY 5	10-Oct-83	1/14/2025 14:00
ADL 361354	Livengood Placers Inc	Mining Claim (MC)	Active (35)	GALAXY 6	10-Oct-83	1/14/2025 14:00
ADL 361355	Livengood Placers Inc	Mining Claim (MC)	Active (35)	GALAXY 7	10-Oct-83	1/14/2025 14:00

ADL 361356	Livengood Placers Inc	Mining Claim (MC)	Active (35)	GALAXY 8	10-Oct-83	1/14/2025 14:00
ADL 361357	Livengood Placers Inc	Mining Claim (MC)	Active (35)	GALAXY 9	10-Oct-83	1/14/2025 14:00
ADL 361358	Livengood Placers Inc	Mining Claim (MC)	Active (35)	GALAXY 10	10-Oct-83	1/14/2025 14:00
ADL 361359	Livengood Placers Inc	Mining Claim (MC)	Active (35)	GALAXY 11	11-Oct-83	1/14/2025 14:00
ADL 361360	Livengood Placers Inc	Mining Claim (MC)	Active (35)	GALAXY 12	11-Oct-83	1/14/2025 14:00
ADL 361361	Livengood Placers Inc	Mining Claim (MC)	Active (35)	GALAXY 13	11-Oct-83	1/14/2025 14:00
ADL 361362	Livengood Placers Inc	Mining Claim (MC)	Active (35)	GALAXY 14	11-Oct-83	1/14/2025 14:00
ADL 361363	Livengood Placers Inc	Mining Claim (MC)	Active (35)	GALAXY 15	11-Oct-83	1/14/2025 14:00
ADL 361364	Livengood Placers Inc	Mining Claim (MC)	Active (35)	GALAXY 16	11-Oct-83	1/14/2025 14:00
ADL 361366	Livengood Placers Inc	Mining Claim (MC)	Active (35)	GALAXY 18	11-Oct-83	1/14/2025 14:00
ADL 361367	Livengood Placers Inc	Mining Claim (MC)	Active (35)	GALAXY 19	11-Oct-83	1/14/2025 14:00
ADL 361368	Livengood Placers Inc	Mining Claim (MC)	Active (35)	GALAXY 20	11-Oct-83	1/14/2025 14:00
ADL 603474	Livengood Placers Inc	Mining Claim (MC)	Active (35)	FM9N4W28SW	22-Aug-00	1/14/2025 14:00
ADL 603475	Livengood Placers Inc	Mining Claim (MC)	Active (35)	FM9N4W28SE	31-Aug-00	1/14/2025 14:00
ADL 603476	Livengood Placers Inc	Mining Claim (MC)	Active (35)	FM9N4W28NE	31-Aug-00	1/14/2025 14:00
ADL 603477	Livengood Placers Inc	Mining Claim (MC)	Active (35)	FM9N4W28NW	31-Aug-00	1/14/2025 14:00
ADL 669382	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LVG 6	20-Feb-10	1/14/2025 14:00
ADL 669388	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LVG 12	20-Feb-10	1/14/2025 14:00
ADL 669387	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LVG 11	20-Feb-10	1/14/2025 14:00
ADL 669381	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LVG 5	20-Feb-10	1/14/2025 14:00
ADL 669384	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LVG 8	20-Feb-10	1/14/2025 14:00
ADL 669390	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LVG 14	20-Feb-10	1/14/2025 14:00
ADL 669389	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LVG 13	20-Feb-10	1/14/2025 14:00
ADL 669383	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LVG 7	20-Feb-10	1/14/2025 14:00
ADL 669386	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LVG 10	20-Feb-10	1/14/2025 14:00
ADL 669392	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LVG 16	20-Feb-10	1/14/2025 14:00
ADL 669391	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LVG 15	20-Feb-10	1/14/2025 14:00
ADL 669385	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LVG 9	20-Feb-10	1/14/2025 14:00
ADL 669418	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LVG 42	20-Feb-10	1/14/2025 14:00
ADL 669420	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LVG 44	20-Feb-10	1/14/2025 14:00
ADL 669419	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LVG 43	20-Feb-10	1/14/2025 14:00
ADL 669417	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LVG 41	20-Feb-10	1/14/2025 14:00
ADL 669377	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LVG 1	20-Feb-10	1/14/2025 14:00
ADL 669378	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LVG 2	20-Feb-10	1/14/2025 14:00
ADL 669379	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LVG 3	20-Feb-10	1/14/2025 14:00
ADL 669380	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LVG 4	20-Feb-10	1/14/2025 14:00
ADL 669425	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LVG 49	20-Feb-10	1/14/2025 14:00
ADL 669426	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LVG 50	20-Feb-10	1/14/2025 14:00
ADL 669427	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LVG 51	20-Feb-10	1/14/2025 14:00
ADL 669428	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LVG 52	20-Feb-10	1/14/2025 14:00







ADL 703423	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LVG 162	22-Aug-10	1/14/2025 14:00
ADL 703422	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LVG 161	22-Aug-10	1/14/2025 14:00
ADL 703418	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LVG 157	22-Aug-10	1/14/2025 14:00
ADL 703427	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LVG 166	22-Aug-10	1/14/2025 14:00
ADL 703430	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LVG 169	22-Aug-10	1/14/2025 14:00
ADL 703429	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LVG 168	22-Aug-10	1/14/2025 14:00
ADL 703426	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LVG 165	22-Aug-10	1/14/2025 14:00
ADL 703432	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LVG 171	22-Aug-10	1/14/2025 14:00
ADL 703431	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LVG 170	22-Aug-10	1/14/2025 14:00
ADL 338503	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 589	21-Sep-81	1/14/2025 14:00
ADL 361327	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 100	24-Oct-83	1/14/2025 14:00
ADL 361328	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 200	24-Oct-83	1/14/2025 14:00
ADL 361329	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 294	28-Oct-83	1/14/2025 14:00
ADL 361330	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 300	24-Oct-83	1/14/2025 14:00
ADL 361331	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 394	28-Oct-83	1/14/2025 14:00
ADL 361333	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 402	24-Oct-83	1/14/2025 14:00
ADL 361334	Tower Hill Mines, Inc.	Mining Claim (MC)	Active (35)	LUCKY 403	24-Oct-83	1/14/2025 14:00
ADL 361365	Livengood Placers Inc	Mining Claim (MC)	Active (35)	GALAXY 17	11-Oct-83	1/14/2025 14:00

### Federal Mining Claims

CLAIM_NUM	CLAIM_NAME	CLAIMANT	STATUS	REFRESH_DATE
AKFF 061249	#5 ABOVE DISCOVERY	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061250	STAR FRACTION	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061256	#3 ABOVE DISCOVERY	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061257	#4 ABOVE DISCOVERY	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061258	DICKEY FRACTION	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061259	NO. 4A ABOVE DISCOVERY	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061260	#5 ABOVE DISCOVERY BENCH	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061261	#5 BENCH FRACTION 1ST TIER	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061262	LEITRIM	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061263	#7 BNCH RT LMT 1ST TR ABV DISC	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061264	#7 ABOVE DISCOVERY	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061265	ROSALIND FRACTION	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061266	#8 ABOVE DISCOVERY	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061267	CHATHAM BENCH ASSOCIATION	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061268	GOLD DOLLAR ASSOCIATION CLAIM	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061269	BASIN ASSOCIATION CLAIM	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061270	DOROTHY ASSOCIATION BENCH CLM	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061271	RIFFLE ASSOCIATION CLAIM	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061272	MONTANA ASSOCIATION	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00

AKFF 061273	HIGH GRADE FRACTION	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061274	TRIANGLE FRACTION	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061275	#6 ABOVE DISCOVERY	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061276	O.K. FRACTION	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061277	#1 FRANK (FRANKLIN) GULCH	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061278	#2 FRANKLIN GULCH	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061292	CLOUD ASSOCIATION	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061293	RUBY BENCH	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061322	PETE	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061323	MIKE	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061324	IKE	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061325	CAROLYN	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061326	SUNSHINE FRACTION	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061327	FRIO	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061328	RING	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061329	PILOT	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061330	DAN	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061331	NYUK	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061332	SWEDE ASSOCIATION	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061333	EUREKA BENCH CLAIM	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061334	BESSIE BENCH	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061335	JEANNE	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061336	HAWK	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061337	GYPSY	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061338	REEF ASSOCIATION	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061339	CALIFORNIA FRACTION	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061340	NO. 1 BELOW DISCOVERY	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061341	HORSE	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061342	CLOSE	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061343	NO. 2 BELOW MYRTLE CREEK	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061344	NO. 1 BENCH RIGHT LIMIT	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061345	NO. 1 BENCH FRACTION	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061346	DISC LIVENGOOD CREEK ASSOC	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061347	PLACER MINING CLM #1 BLW DISC.	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061348	DESTINY	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061349	JACKPOT	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061350	NANCY	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061351	PAYSTREAK BENCH CLAIM	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061352	EUREKA BENCH CLM ON LEFT LIMIT	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061353	DEEP CHANNEL FRACTION	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00

AKFF 061354	COLORADO ASSOCIATION	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061356	GAN FRACT 2ND TIER RGHT LIMIT	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061357	COLORADO FR 3RD TIER RT LIMIT	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061358	SACREMENTO BENCH	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061359	THREE STAR ASSOCIATION	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061360	TONI PLACER MINING CLAIM	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061361	LITTLE BUTCH	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061362	HORSESHOE CLAIM	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061363	CARRYALL	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061364	FISH ASSOCIATION	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061365	HOMESITE BENCH	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061366	VIRGINIA ASSOCIATION	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061367	EAGLE BENCH ASSOCIATION	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061368	BIRCH FRACTION	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061369	BRENDAN OR BRANDON BENCH	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061370	XMAS	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061371	BLANCHE	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061372	AUDREY FRACTION	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061373	GOLD DOLLAR FRACTION	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061374	LIVENGOOD BENCH RIGHT LIMIT	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061375	SNOW	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061376	ICE	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061377	HARDING (PEARSON)	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061378	MAYFLOWER CLAIM	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061379	GOLDEN GUSHER BENCH CLAIM	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061380	BONANZA BENCH	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061381	NORTH STAR ASSOCIATION	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061382	BLACK BEAR ASSOCIATION	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061383	TOM CAT BENCH	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061385	FLAT ASSOCIATION	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061386	MAGNUS OPUS	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061387	BANNER BENCH CLAIM	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061388	JEWEL BENCH	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061389	WILD CAT BENCH	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061391	HUM DINGER	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061392	RED CLAIM	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061393	JERRY ASSOCIATION	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061394	ALASKA	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061395	CALIFORNIA ASSOCIATION CLAIM	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061396	GOLD RUN BENCH 2ND TIER	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00

AKFF 061399	SPRING ASSOCIATION	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061406	WEDGE CLAIM	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061407	BULLDOZER	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061408	EVE	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061409	RESAVOIR ASSOCIATION	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061420	ALABAM ON THE DIVIDE	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 061477	PATSY BENCH	TOWER HILL MINES INC	RECORDED	1/11/2025 0:00
AKFF 061478	BLACK BENCH	TOWER HILL MINES INC	RECORDED	1/11/2025 0:00
AKFF 061479	LITTLE BEN BENCH	TOWER HILL MINES INC	RECORDED	1/11/2025 0:00
AKFF 061480	OREGON CLAIM	TOWER HILL MINES INC	RECORDED	1/11/2025 0:00
AKFF 061481	MOONSHINE	TOWER HILL MINES INC	RECORDED	1/11/2025 0:00
AKFF 061482	BLUEBIRD	TOWER HILL MINES INC	RECORDED	1/11/2025 0:00
AKFF 061483	NERMA FISCO	TOWER HILL MINES INC	RECORDED	1/11/2025 0:00
AKFF 061484	PROSPER	TOWER HILL MINES INC	RECORDED	1/11/2025 0:00
AKFF 061485	NO. 2 BELOW HEINE CREEK	TOWER HILL MINES INC	RECORDED	1/11/2025 0:00
AKFF 061486	BLACK DIAMOND	TOWER HILL MINES INC	RECORDED	1/11/2025 0:00
AKFF 061487	TRIANGLE	TOWER HILL MINES INC	RECORDED	1/11/2025 0:00
AKFF 061488	WINDY ASSOCIATION	TOWER HILL MINES INC	RECORDED	1/11/2025 0:00
AKFF 061489	ROBIN	TOWER HILL MINES INC	RECORDED	1/11/2025 0:00
AKFF 061490	DIMOND SKI ASSOC	TOWER HILL MINES INC	RECORDED	1/11/2025 0:00
AKFF 061491	HOOVER DEVIDE	TOWER HILL MINES INC	RECORDED	1/11/2025 0:00
AKFF 061492	MELLON	TOWER HILL MINES INC	RECORDED	1/11/2025 0:00
AKFF 061493	TOMTIT ASSOC	TOWER HILL MINES INC	RECORDED	1/11/2025 0:00
AKFF 061494	LA FRANCE ASSOC	TOWER HILL MINES INC	RECORDED	1/11/2025 0:00
AKFF 061498	NO. 9 ABOVE DISC ASSOC	TOWER HILL MINES INC	RECORDED	1/11/2025 0:00
AKFF 061499	NO. 10 ABOVE BENCH	TOWER HILL MINES INC	RECORDED	1/11/2025 0:00
AKFF 061500	GEM ASSOCIATION	TOWER HILL MINES INC	RECORDED	1/11/2025 0:00
AKFF 061501	NO. 18 ABOVE DISC ASSOC	TOWER HILL MINES INC	RECORDED	1/11/2025 0:00
AKFF 061502	SUNSHINE	TOWER HILL MINES INC	RECORDED	1/11/2025 0:00
AKFF 061503	LAST CHANCE FRACTION	TOWER HILL MINES INC	RECORDED	1/11/2025 0:00
AKFF 061504	NO. 23 ABOVE DISC ASSOC	TOWER HILL MINES INC	RECORDED	1/11/2025 0:00
AKFF 061505	STAR ASSOCIATION	TOWER HILL MINES INC	RECORDED	1/11/2025 0:00
AKFF 061506	MAY ASSOCIATION	TOWER HILL MINES INC	RECORDED	1/11/2025 0:00
AKFF 061507	HOT AIR ASSOCIATION	TOWER HILL MINES INC	RECORDED	1/11/2025 0:00
AKFF 061508	OPTON ASSOCIATION	TOWER HILL MINES INC	RECORDED	1/11/2025 0:00
AKFF 063462	DOME A/K/A DOME ASSOCIATION	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00
AKFF 063466	MARJORIE BENCH	LIVENGOOD PLACERS INC	RECORDED	1/11/2025 0:00

### Alaska Mental Health Trust

CASE_ID	CSTMNRNM	CSTYPDSCR	SPCLCDDSCR	CSSTSDSCR	FRSHDT
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MHT 9400248 TOWER HILL MINES, INC.

MINERAL LEASE (471)

NON-COMP TLO AUTH (4702)

ISSUED (35)

1/14/2025 4:00

### **US Mineral Patents**

USMS 1990 TOWER HILL MINES, INC.  
USMS 2477 TOWER HILL MINES, INC.  
USMS 1956 TOWER HILL MINES, INC.  
USMS 1960 TOWER HILL MINES, INC.

ACCESS TO THE CLAIM BLOCK, CONTINUED

(16)

Please describe your construction activities and include mitigation measures to protect water, fish and game resources. Include a time frame for final closure and a reclamation plan for access within the claim block. Attach additional pages if necessary:

Access to project area is by all-season roads including the Elliott Highway, the Old Elliott Highway, Livengood Road, and existing upland exploration roads at the project site. Up to 5,000 feet of new access trails may be constructed using a bulldozer.

See Figure 2.

A access map **MUST** be submitted with your application. Topographic maps at a scale of 1"=1 mile must clearly indicate the proposed access route from start to finish, location of proposed construction activities, and appropriate legal descriptions (township and range) on each map sheet. Paper size should be limited to 8 1/2" x 11". Do not tape maps together.

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

Tower Hill Mines, Inc.

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

Passenger pickups will be used to transport personnel to and from Fairbanks via all-season existing roads to the temporary camp and project site. Other equipment will be transported to the project on existing highways/roads using Department of Transportation guidelines for vehicle signage and weight restrictions.

State the average total miles traveled in one round trip: 180. State the number of trips proposed: Approx 200

State the start and end date(s) or period(s) of proposed travel: on or about March 1 - October 31

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

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

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

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

Are you transporting fuel?  Yes  No

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

Up to 5,000 gallons will be transported to the project site via highway-approved carrier.

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

Fuel will be transported to the work sites in either 250-gal steel tanks, 90-gal double walled tanks, or 5-gallon safety cans.

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

Fuel transported to the work areas is transferred to equipment. Any storage needed at the worksites will have secondary containment.

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

Fuel is transported to site using an approved commercial carrier & stored in the camp area in a 5,000 gal or less double-walled tank.

ACCESS TO CLAIM BLOCK CONTINUED

(16)

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

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

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

PETROLEUM PRODUCT STORAGE

(17)

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

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

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

Equipment fueling is performed as needed by site personnel. Fueling is monitored at all times, spill equipment (portable containment, absorbent pads, etc.) is readily available. Spills and leaks are cleaned up appropriately and reported in accordance with ADEC requirements. A double-walled 5,000 gallon or less double-walled tank is stored at the Livengood Valley temporary camp.

Quantity Petroleum Products to be Stored on the Project Site?

- 0-1,320 gallons of total storage (Secondary Containment recommended, but not required)
- 1,321-10,000 gallons of total storage (count only containers with a capacity of 55 gallons or greater). A self-certified Spill Prevention, Control, and Countermeasure (SPCC) plan is required and applies to all products, such as diesel fuel, gasoline, lube oil, hydraulic oil and waste oil. The self certified SPCC form can be downloaded at: <https://www.epa.gov/oil-spills-prevention-and-preparedness-regulations/tier-i-qualified-facility-spcc-plan-template>.
- 10,000+ gallons of total storage (count only containers with 55 gallons or greater storage capacity). An SPCC certified by a professional engineer is required and applies to all oil products, such as diesel fuel, gasoline, lube oil, hydraulic oil and waste oil.

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

Is waste oil stored on the project site?  Yes  No If Yes, describe quantity and storage modality: \_\_\_\_\_

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

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



**MINING METHOD**

(19)

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

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

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

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

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

**PLACER EXPLORATION DRILLING AND TEST PITS**

(20)

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

Test Pits:  Yes  No                                      How long will the test pit be open if not converted into an active mine cut? \_\_\_\_\_

Estimated number of pits to be excavated: \_\_\_\_\_

Average Size: Length: \_\_\_\_\_ Ft.    Width: \_\_\_\_\_ Ft.    Depth: \_\_\_\_\_ Ft.

Placer Drilling:  Yes  No

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

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

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

**EXPLOSIVES**

(21)

Will explosives be used?  Yes  No If "Yes", Indicate: Type: \_\_\_\_\_ Amount: \_\_\_\_\_

Explosive Handler's Certification/ATF Permit Numbers: \_\_\_\_\_

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

**WATER ENTRAPMENT**

(22)

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

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

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

What is the purpose of the water use?  Makeup water pond  Settling/recycle pond  Stream diversion Other \_\_\_\_\_

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

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

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

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

If on a hillside, Approximately how many feet is the water storage above the valley floor \_\_\_\_\_ ft

**IN-STREAM ACTIVITIES and STREAM CROSSINGS**

(23)

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

Drill & support equipment may be used to cross Livengood Cr. (#1), pumps may be used at #2 and #3

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

	Stream Name/ Water Source	NAD 83 Datum (approximate) Coordinates can be obtained using Alaska Mapper <a href="http://dnr.alaska.gov/mapper/controller">http://dnr.alaska.gov/mapper/controller</a>		MTRSC ¼ ¼ Ex: F001S001N01 SWSW	Check boxes to indicate type(s) of activity		
		Latitude ddd.mmmm	Longitude -ddd.mmmm		Crossing	Dredging	Water Intake
1.	Livengood Creek	65.5339	-148.5062	F008N005W11NESE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Small Pond on Ruth Cr	65.5230	-148.5430	F008N005W15SENE	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.	Olive Creek	65.5015	-148.5064	F008N005W23SESE	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

## WATER USE AUTHORIZATIONS

(24)

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

- Is there a current Water Right within the proposed mineral property boundary? Yes  No
- If yes, provide the LAS or ADL Water Right Case File number: ADL46170, ADL60009, ADL40364, ADL40363, ADL56521 \_\_\_\_\_
- What are the months of water use needed (for example May 1<sup>st</sup> through October 31<sup>st</sup>)? May 1 - October 31

### Name & Location of Water Source(s):

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

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

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

Provide the geographic name or locally know name of water Source. (Recycle/settling ponds, creek, stream, well, etc.)  If requesting a stream reach, clearly identify the entire stream reach on a legible map.	Meridian	Township	Range	Section(s)	Start-Up Water and/or Make-Up Water? Check each applicable box.			
<b>Example:</b> Unnamed Creek	F	3N	3W	20	Start-Up	<input checked="" type="checkbox"/>	Make-Up	<input checked="" type="checkbox"/>
1. Well at ADOT/Livengood Townsite	F	8N	5W	15	Start-Up	<input checked="" type="checkbox"/>	Make-Up	<input checked="" type="checkbox"/>
				Latitude: 65.5241		Longitude: -148.5477		
2. Small Pond on Ruth Creek	F	8N	5W	15	Start-Up	<input checked="" type="checkbox"/>	Make-Up	<input checked="" type="checkbox"/>
				Latitude: 65.5230		Longitude: -148.5430		
3. Olive Creek	F	8N	5W	23	Start-Up	<input checked="" type="checkbox"/>	Make-Up	<input checked="" type="checkbox"/>
				Latitude: 65.5015		Longitude: -148.5064		
4. Pond	F	8N	5W	10	Start-Up	<input checked="" type="checkbox"/>	Make-Up	<input checked="" type="checkbox"/>
				Latitude: 65.5287		Longitude: -148.5559		
5. Merchantile Well	F	8N	5W	25	Start-Up	<input checked="" type="checkbox"/>	Make-Up	<input checked="" type="checkbox"/>
				Latitude: 65.4901		Longitude: -148.4770		

**WATER USE AUTHORIZATIONS CONT.**

**(24)**

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

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

<b>D. Camp Water Uses</b>	<b>Maximum # of People in Camp</b>	<b>Withdrawal Rate</b> <b>(gpm/pump)</b>	<b>Number of Pumps</b>	<b>Hours per Day</b>	<b>Days per Month</b>	<b>Source(s) of Water</b> Well, Haul, Stream, Spring, Lake Source(s) will count towards the 5 sources identified in Section A.
Provide information on camp water uses. If an ADEC public drinking water system is used, please attach certificate to operate and/or associated documents.	24	12.5 <i>average</i>	1	24	31	Well at ADOT/Livengood Townsite - see A1 above
Additional Notes:  See narrative - camp permits will be requested by camp contractor.						

**WATER USE AUTHORIZATIONS CONTINUED**

(24)

<b>E. Exploration Activities</b>	<b>Is Water Needed for Exploration Trenching or Drilling?</b>	<b>Withdrawal Rate (gpm/pump)</b>	<b>Number of Pumps</b>	<b>Hours per Day</b>	<b>Days per Month</b>	<b>Source(s) of Water</b> Well, Haul, Stream, Spring Lake, etc. Source(s) will count towards the 5 sources identified in Section A.
A map of your requested drilling water sources is required with the following information: -MTRS sections, -stream reaches or other water sources (please label, including take points if known) -and drill hole locations.	Drilling	25gpm/pump	up to 4	24	31	Well and Stream, see Figure 2

**D. SUCTION DREDGING.**

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

**TIMBER CLEARING AND USE**  
*(Operations on State Lands Only)*

(25)

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

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

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

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

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

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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.

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

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

**WASTEWATER DISCHARGE PERMIT APPLICATION**

(26)

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

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

Previously issued DEC-APDES Wastewater discharge permit #: \_\_\_\_\_

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

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

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

**Approximate coordinates of mine site:**

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

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

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

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

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

If a mixing zone is requested, provide the following:

Coordinates of discharge location: Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

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

Distance to nearest downstream drinking water source \_\_\_\_\_ and downstream placer mine \_\_\_\_\_

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

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

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

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

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

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

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

SECTION 404 WETLANDS PERMIT

JURISDICTIONAL DETERMINATION (CORPS JD) and MITIGATION STATEMENT

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

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

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

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

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

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

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

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

**Please list Corps permits previously issued for this site:** POA- 2007 - 1395JD , POA- 2007 - 1395M4

**Certification Statement**

The Alaska District will accept the APMA as a pre-construction notification, pursuant to 33 CFR 320.1 (c). Application is hereby made for a permit to authorize the work described in this APMA. I certify the information in the APMA, and any required Supplements, is complete and accurate. I further certify that I possess the authority to undertake the work described herein or am acting as the duly authorized agent of the operator/ applicant.

Operator or Agent:

Print Name

Signature

Date

**STREAM DIVERSION AND CULVERTS**

(28)

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

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

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

Stream Name: \_\_\_\_\_

Existing (Date Constructed \_\_\_\_\_)  To Be Constructed (Date \_\_\_\_\_)

Diversion Start/upstream Location (Lat/Long) \_\_\_\_\_

Diversion End/Downstream Location (Lat/Long) \_\_\_\_\_

Is Stream Diversion?  Permanent  Temporary \_\_\_\_\_ year(s) \_\_\_\_\_ months

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

Annually reclaimed/returned to natural stream  Maintained throughout mine life

Dimensions of existing stream in diversion area:

Length \_\_\_\_\_(ft) Top Width\_\_\_\_(ft) Bottom Width\_\_\_\_(ft) Depth \_\_\_\_ (ft) Floodplain Width\_\_\_\_(ft)

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

Dimensions of proposed diversion:

Length\_\_\_\_(ft) Top Width\_\_\_\_(ft) Bottom Width\_\_\_\_(ft) Depth\_\_\_\_(ft) Floodplain Width\_\_\_\_(ft)

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

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

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

Are culverts being installed in any natural water-body or diversion structures? Yes/No \_\_\_\_\_

If yes include culvert locations, sizes and length on a map or table.

**PLACER/SUCTION DREDGE NARRATIVE \*REQUIRED**

(31)

A narrative of the operation is required. Please use this space to describe the access, mining process, environmental protection measures and reclamation measures to be used for the duration of this permit. Use multiple sheets if necessary.

**DESCRIBE ACCESS, PERSONNEL HOUSING AND CAMP LAYOUT:**

**DESCRIBE PROGRESSIVE STEPS OF MINING METHOD:**

**DESCRIBE PLANNED RECLAMATION MEASURES INCLUDING TIMELINE FOR RECLAMATION TO TAKE PLACE:**

**DISCUSS WATER MANAGEMENT PLANS, INCLUDING USE, SOURCE, QUANTITY AND SURFACE WATER/ EROSION MANAGEMENT PLAN:**

**DISCUSS FUEL STORAGE, HANDLING, AND SPILL PREVENTION AND RESPONSE PLANS:**

**DISCUSS HOW THE OPERATION WILL AVOID/MITIGATE POTENTIAL IMPACTS TO FISH, WILDLIFE AND CULTURAL RESOURCES:**

**HARDROCK EXPLORATION TRENCHING and DRILLING**

**(32)**

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

**Trenching:**  Yes  No

Estimated number of trenches to be excavated: \_\_\_\_\_ How long will trenches be open? \_\_\_\_\_

Average Size: Length: \_\_\_\_\_ Ft. Width: \_\_\_\_\_ Ft. Depth: \_\_\_\_\_ Ft.

**Drilling:**  Yes  No

Type of Drill(s) Used: Core, Reverse-Circulation, and Auger

Total Number of Holes 50

Diameter of Drill Rod/Casing Rod HQ/PQ/RC (NQ/HQ/H, Etc.)

Drilled: Estimated Maximum Depth: 1,500

Indicate how many pumps per water source: 1

Will water be used?  Yes  No

Water source name(s): Small Pond on Ruth Cr., Olive Cr., Lillian Cr., Merchantile Well

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

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

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



## LIVENGOOD GOLD PROJECT

February 4, 2026

Mr. Michael LaDouceur  
Alaska Department of Natural Resources  
Division of Mining, Land & Water  
3700 Airport Way  
Fairbanks, AK 99709

### **RE: APMA Renewal for F269748 – 2026-2035 Land-Supported Exploration Activity**

Dear Mr. LaDouceur:

On December 12, 2025, Tower Hill Mines, Inc. (THM) submitted a State of Alaska Application for Permits to Mine in Alaska (APMA) renewal for land-based geotechnical studies, mineral exploration, and condemnation drilling planned by Tower Hill Mines, Inc. (THM) at the Livengood Gold Project. The application packet was intended to renew multi-year Miscellaneous Land Use Permit 9748, expiring December 31, 2025. THM is currently conducting baseline environmental and engineering studies at the Livengood gold deposit under MLUP 2138 (2025-2034), which covers helicopter-supported, summer upland, and winter Nodwell activities in the Livengood Valley area. As additional information has become available, this packet is intended to supersede the December 12, 2025 packet and includes requests for temporary water use to support drilling activities as well as owner authorizations through 2035.

A description of activities and plan maps are included with this application.

#### **Location**

The Livengood Project is located approximately 80 miles northwest of Fairbanks, Alaska near the town of Livengood in the Tolovana Mining District (Figure 1). The area of proposed drilling activity (Figure 2) is located within T08N, R04W, sections 7, 18, and 19; and T08N, R05W, sections 11-15 and 21-28, Fairbanks Meridian. The project area is comprised of State of Alaska Mental Health Trust Lands, State of Alaska mining claims, unpatented Federal claims administered by the U.S. Bureau of Land Management, and one patented Federal claim (Figure 3 and Table 1).

The specific locations of the proposed drilling activities described in this application and required by the project will be determined based on results of on-going field investigations and conceptual project design.

The Tolovana River and Livengood Creek are the main surface water bodies that drain the proposed activity area. Smaller tributary streams include Olive, Ester, Lillian, Ruth, and Gertrude Creeks (Figures 1 and 2).

## **Access**

Access to drill sites will be from existing roads, trails, and from the new trails that will be constructed. Existing roads and trails are shown in Figure 2. Approximately 5,000 feet of new trails are proposed to access drill sites.

Drill and support equipment may be used to cross Livengood Creek at an existing crossing on an all-season road leading to patented claims in the Gertrude Creek Valley.

## **Reverse Circulation and Core Drilling**

The proposed drilling program will use up to 2 reverse circulation rigs and 2 core rigs, all truck or track-mounted. Rubber-tired water trucks or tracked vehicles will be used to transport water to the drills. Much of the winter drilling (February 1 – April 15) will occur in and near wetlands currently permitted under US Army Corps of Engineers (USACE) Permit POA-2007-1395-M4. Proposed land-based drilling activities avoid wetlands during the remainder of the year.

Drill pads and access trails will be constructed with a bulldozer. Approximately 50 drill holes will be completed, each to a depth of up to 1,500 feet. Some of these holes will be in-fill holes within the resource area on Money Knob. Other holes will be drilled outside this area in order to focus on ore body expansion or for geotechnical purposes. If drill holes are repurposed as monitoring wells, these wells will be completed in accordance with ADEC requirements.

Drill fluids will be recycled in tanks or sumps to reduce discharges to the environment, particularly in wetland areas. Trash and hydrocarbon drips and spills will be minimized by providing training, trash receptacles, and spill prevention/response equipment. Up to 5,000 gallons of fuel will be stored in a double-walled tank located at the temporary camp in the Livengood Valley. As needed, fuel will be transferred and transported in 250-gallon steel tanks carried with the drill support equipment. Additionally, some activities such as brush cutting or site work with smaller pieces of equipment will be refueled using smaller, double-walled 90-gallon tanks. Secondary containment will be provided as appropriate, to supply pumps. Tanks will not be placed within 100 feet of flowing water.

## **Temporary Camp**

A temporary camp is planned during active drilling operations on patented claims in the Livengood Valley near the old Alaska Placer Development camp location. This camp will house less than 25 people. The contractor will separately secure ADEC approvals to operate this camp on behalf of THM.

## **Water Use**

Up to 25,000 gallons per day will be needed to support the drilling operations described in this application. Water supply will be by truck-mounted tanks for road-based operations. Pump intakes will be screened as appropriate to prevent fish impingement. Water use has been previously authorized under Temporary Water Use Permits (TWUPs) F2011-02 and F2011-03 and include points on Ruth and Olive Creeks, an old placer pond in the Livengood Creek Valley,

and wells located near Lillian Creek and the old North Country Mercantile near Ester Creek (Figure 2).

### **Cultural Resource Clearance**

All of the proposed drilling activity lies within the area of archeological surveys completed in 2008-2012.

### **Reclamation**

In general, reclamation of trails and pads not needed for future drilling or on-going field data collection will be performed concurrently with exploration. Drill pads and trails that are not immediately reclaimed will be stabilized and protected from storm water runoff. For the winter drilling completed in wetlands, trails and pads will be reclaimed by April 15<sup>th</sup> in the same winter they are constructed.

During reclamation, drill holes not used for monitoring will be plugged in the first 100 feet above the water table; a 10-foot or longer plug will then be placed in the top 20 feet of the hole. Plug materials will consist of Benseal mud or bentonite hole plug.

Trash and other debris will be removed from the drill pad as soon as drill operations are complete. The pad will be recontoured as needed with a bulldozer or excavator. Vegetation and topsoil stockpiled during pad preparation will be spread over the surface of the pad using an excavator. Seed and/or fertilizer will be applied as necessary under the following conditions:

- Application will be limited to areas that are considered at risk for erosion or instability before a vegetation cover can be naturally re-established.
- Fertilizer will not be applied within 100 feet of streams or ponds.
- As deemed appropriate, fertilizer application will be overlapped onto undisturbed margins to pump up the production of native areas into the disturbed areas.
- Most reseeding will occur before late July to ensure a good root mat and reseeding potential for the following spring melt.
- Typical application areas include steep and/or fine-grained portions of drill pads and access trails.

The recommended seed mix is 45 pounds per acre of half Red Fescue (Arctared) and half Annual Rye Grass. Local seed sources will be used to the extent available. The rye grass provides a quick-growing root mat in the erodible areas. The following year, the non-invasive perennials are expected to do well while the rye grass reseeds less aggressively, allowing native species to reestablish. A mix of 300 pounds per acre of 20N-20P-10K fertilizer will be used. Both of these mixes have been used with success at the Pogo and Fort Knox projects.



## Disturbance Calculations

The drill pad size is approximately 0.1 acre and the average constructed trail width is 15 feet. There are 14 acres currently disturbed under F219748. Two acres of new disturbance is associated with the proposed activity in 2026. Current and new disturbances total 16 acres as shown in the attached APMA. Land ownership by disturbance is: State - general (1.0 acre); State – Mental Health (9.0 acres); patented (1.0 acre); and Federal BLM claims (5.0 acres).

Thank you for your consideration. If you have any questions, please don't hesitate to contact me at 907-378-5346 or [dherzog@ithmines.com](mailto:dherzog@ithmines.com).

Sincerely,

Denise Herzog,  
Environmental Manager

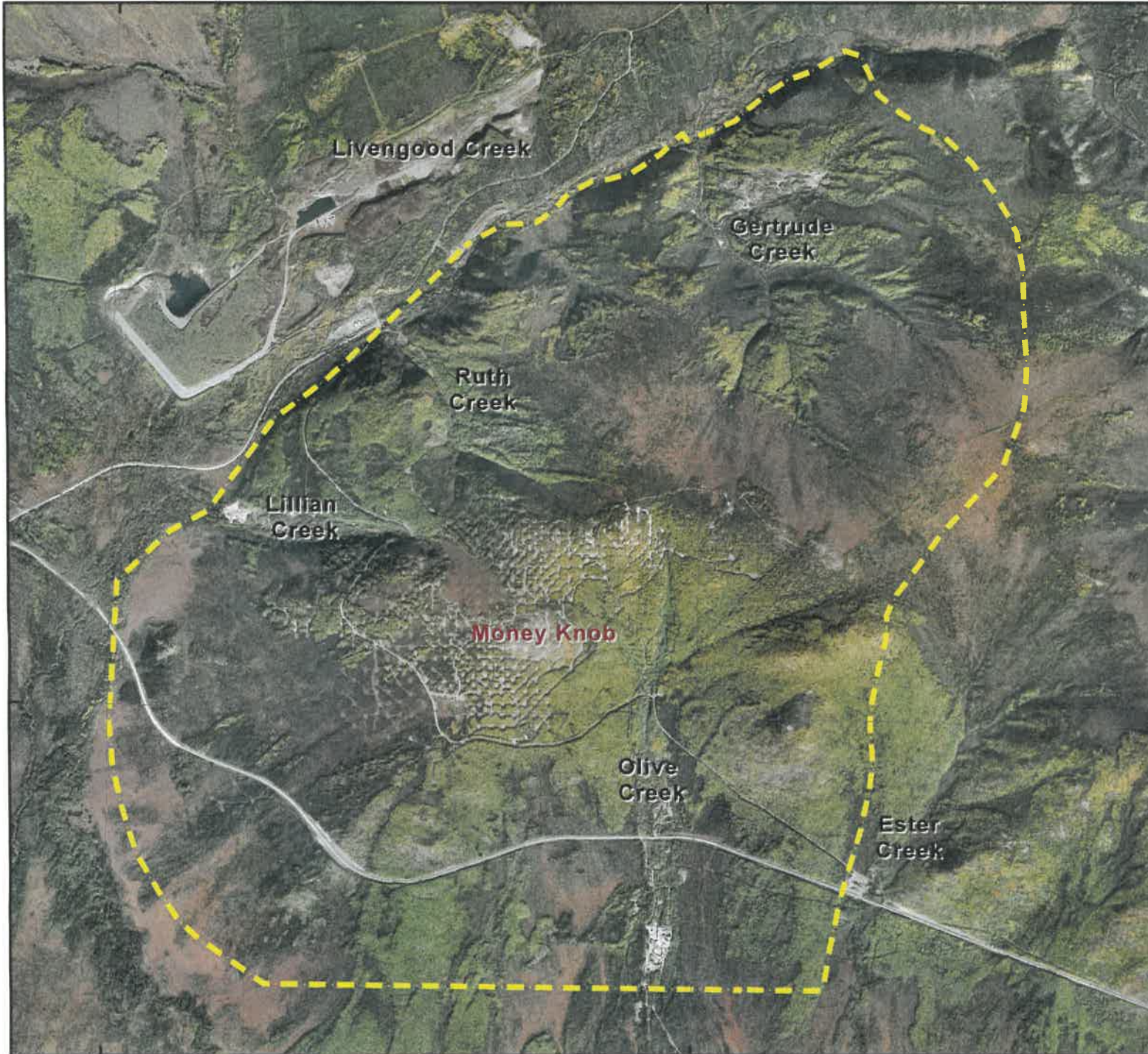
cc: Garret Nowakoski, BLM Fairbanks  
Amanda Locken, COE North Central Section

### Enclosures:

- APMA Renewal for 2026-2035
- 2025 Reclamation Statement
- 2026 Letter of Intent to do Reclamation
- 2026 State Wide Bond Renewal Form
- MSDS for Drilling Operations (electronic)
- Owner Authorizations (2026-2035)

148°35'0"W

148°30'0"W



N.00°30'0"

148°35'0"W

148°30'0"W



**Livengood Project**  
**Figure 1**  
**General Location Map**

**Legend**

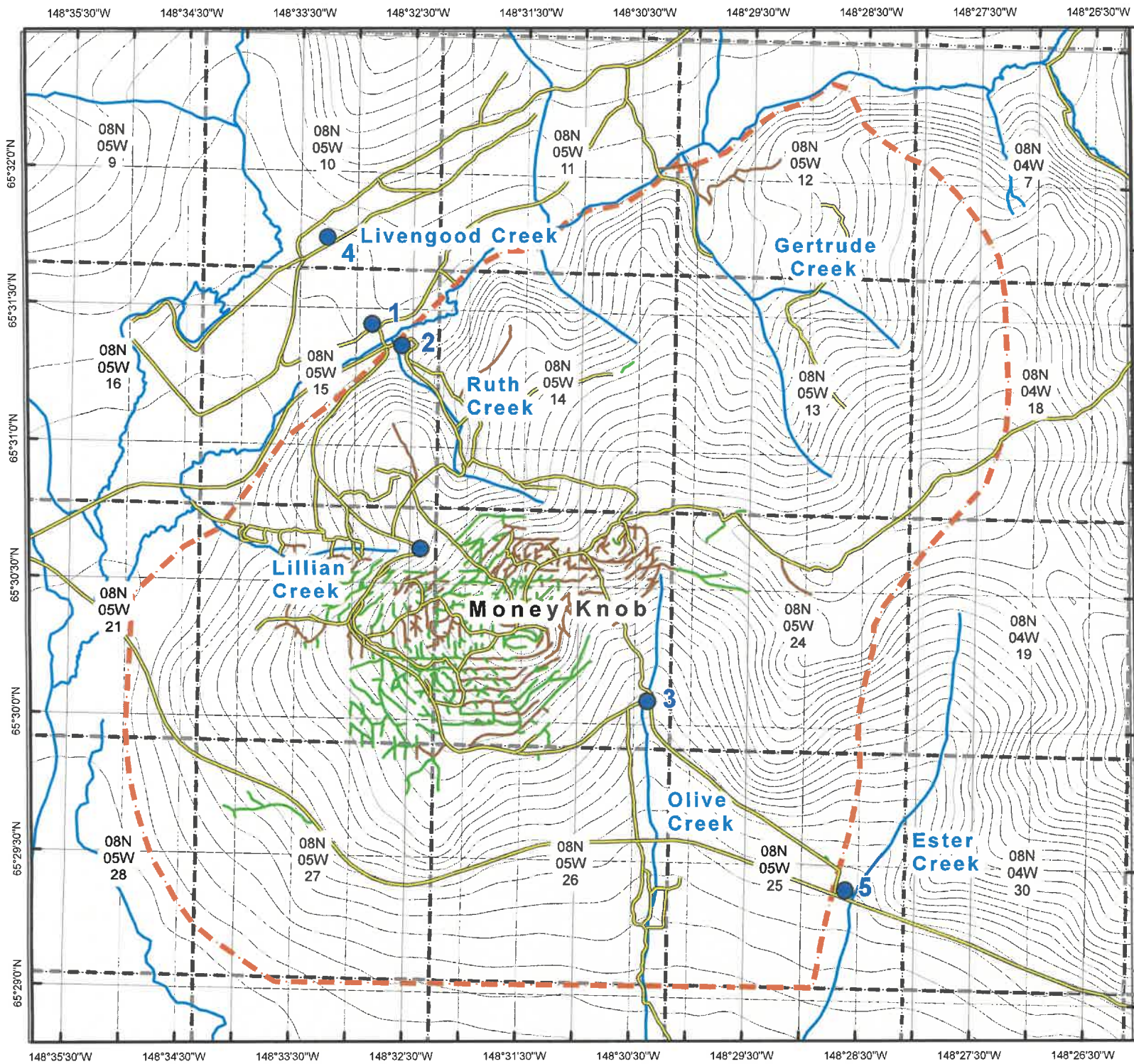
 2026 APMA 9748 Work Area



1:35,000

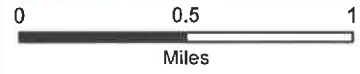
File: THM\_Fig1\_F269748\_v01.mxd

Date: Dec. 12, 2025 Author: THM-DH



**Livengood Project**  
**Figure 2**  
**Activity Map**

- Legend**
- 2026 Water Use
  - Pre-Existing Roads/Trails
  - THM Reclaimed Trails
  - THM Trails (2006-2014)
  - APMA 9748 Work Area
  - MTRS Data



1:35,000

File: THM\_Fig2\_F269748\_v02.mxd

Date: Mar 5, 2026 Author: THM-DH

148°35'0"W

148°30'0"W

148°25'0"W

148°20'0"W

148°15'0"W

65°35'0"N

65°30'0"N

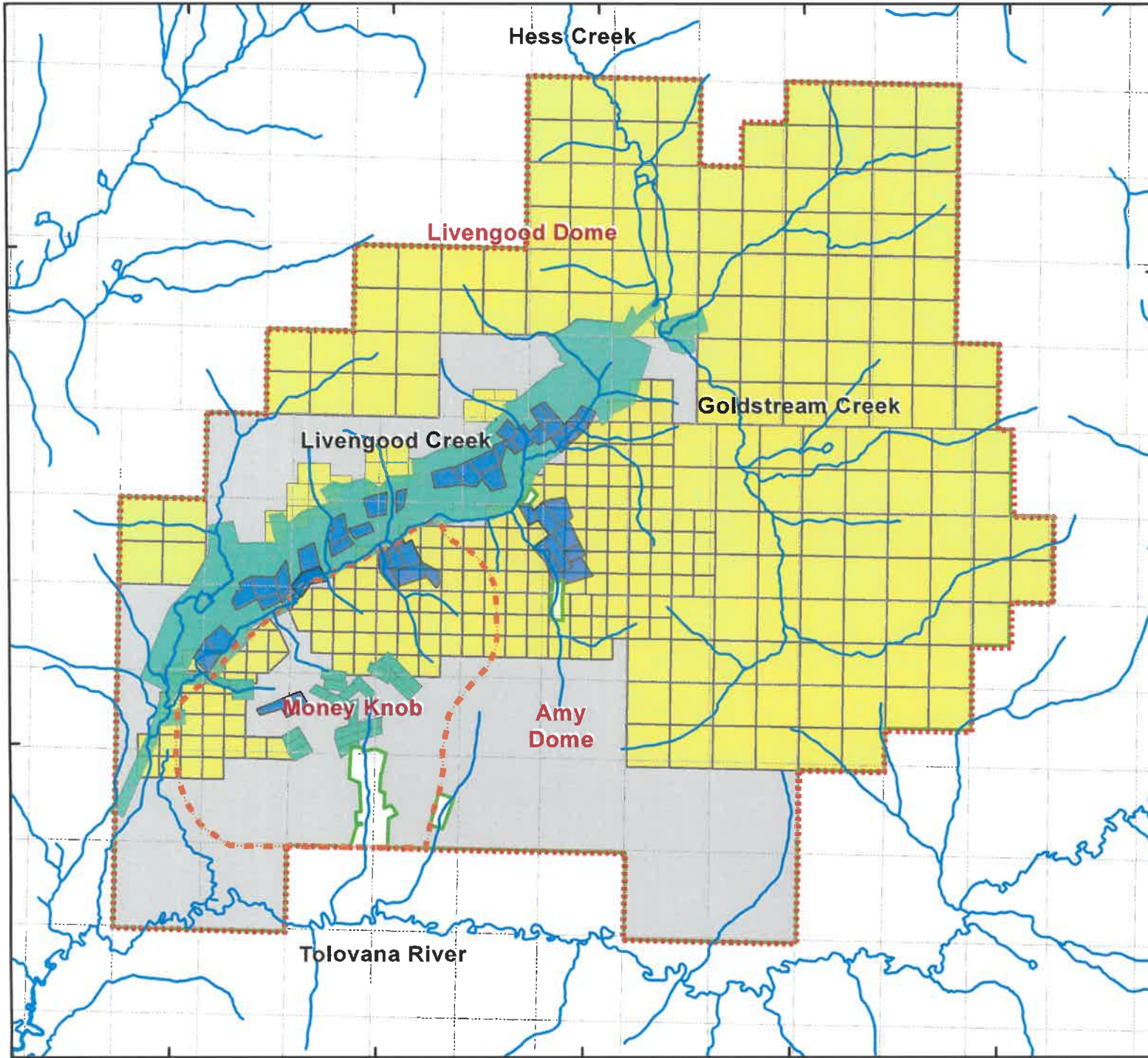
148°35'0"W

148°30'0"W

148°25'0"W

148°20'0"W

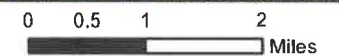
148°15'0"W



## Livengood Project Figure 3 Land Ownership Map

### Legend

- APMA 9748 Work Area
- APMA 2138 (Helicopter) Work Area
- THM Land Outline
- Federal Unpatented Claims
- Federal Patented Claims
- Alaska State Claims
- Mental Health Trust Lands



1:100,000

File: THM\_Fig3\_F269748\_v01.mxd

Date: Dec. 12 2025 Author: THM-DH

2025 ANNUAL RECLAMATION STATEMENT

(33)

- Placer Mining
- Suction Dredging
- Hardrock Exploration

APMA # 9748

Complete and return this statement by December 31, 2025. If you did not operate, fill in your name, check bottom box, sign, and return form.

In accordance with AS 27.19 (Reclamation Act):

I, Denise Herzog hereby file an annual reclamation statement for the 2025 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 2025: cubic yards (Includes stripping and processed material.)

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

Total acreage disturbed in 2025 State, Federal, Private. (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 No Diversion (check one).

Total Area reclaimed in 2025: acres.

Total un-reclaimed acres: (This should match "total acreage currently disturbed" on the 2026 Reclamation Plan Form.)

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

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

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

Other Reclamation Measures Taken:

Empty box for other reclamation measures taken.

Did not operate in 2025 and therefore did not conduct reclamation.

Relationship to Claim(s)

- Owner  Lessee  Operator
- Agent For:

Signed Denise Herzog Date 12/12/25

**2026 RECLAMATION PLAN FORM (HARDROCK EXPLORATION)**

<input checked="" type="checkbox"/> <b>A. RECLAMATION PLAN</b>  (REQUIRED if the operation will disturb five or more acres this year, OR 50,000 cubic yards, OR if the operation has a cumulative disturbed area of five or more acres).	<input type="checkbox"/> <b>B. RECLAMATION PLAN VOLUNTARY</b>  (For an operation below limits shown in Box A but wanting to qualify for the statewide bonding pool. (Operations on BLM Lands and others not filing Letter of Intent).	<input type="checkbox"/> <b>C. LETTER OF INTENT</b> <span style="float: right;">(34)</span>  (Less than five acres to be disturbed AND less than 50,000 cubic yards AND less than five acres unreclaimed area).
--	---	---

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

Total acreage currently disturbed: 14 acres. This should match: "Total Unreclaimed Acres" on your 2025 Annual Reclamation Statement for Small Mines, or line #7 on your 2026 Bond Pool Renewal Form. Disturbed ground includes all unreclaimed mining and exploration activity (excluding camps and roads) since October 1991. Federal operators must include areas of camps and roads.

New acres to be disturbed in 2026 2.0 acres. Total acreage (currently disturbed plus new acres): 16.0 acres.

Acreage disturbed by land status: 1.0 State (general) 9.0 State (Mental Health) 1.0 Private 5.0 Federal

Total acreage to be reclaimed in 2026 0 acres; Total volume of material to be disturbed in 2026: 5000 cubic yards.

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

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

**THE FOLLOWING RECLAMATION MEASURES SHALL BE USED:**


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

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

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

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

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

Denise Herzog, Tower Hill Mines, Inc. Printed name (Applicant)	Relationship to Mineral Property: <input type="checkbox"/> Owner <input type="checkbox"/> Lessee <input checked="" type="checkbox"/> Operator <input type="checkbox"/> Agent For: _____	Date: <u>12/12/25</u>  APMA #: <u>9748</u>
 Signature (Applicant)		

**STATE OF ALASKA, DEPARTMENT OF NATURAL RESOURCES  
STATE WIDE BOND POOL RENEWAL FORM  
FOR 2026 OPERATIONS**

APMA # 9748

Tower Hill Mines, Inc.

Name

506 Gaffney Road, Suite 200

Fairbanks

Alaska

99701

Mailing Address

City

State

Zip

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: See APMA F269748

located in T. \_\_\_\_\_, R. \_\_\_\_\_, Sections \_\_\_\_\_, \_\_\_\_\_ M.

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

1. Only whole number of acres bonded in 2025: 14.0 acres rounded up to next integer: 14 acres
2. Total whole number of acres disturbed in 2025? 14.0 acres rounded up to next integer: 14 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 2025 to 2026:**

**If you claim any acres in 3 or 4 complete the Bond Pool release form.**

3. Number of acres bonded in 2025 but not disturbed: \_\_\_\_\_ acres x \$ 112.50 = \$ \_\_\_\_\_  
(1 minus 2 above)

4. Number of acres reclaimed in 2025 and approved by BLM/ DNR. 0 acres x \$ 112.50 = \$ \_\_\_\_\_

Federal miners must submit a **Financial Guarantee Amount Reduction Letter** from BLM. All miners requesting a reduction of acreage must fill out the application for **Bond Release Form**, and include evidence of their reclamation with Photo/Video documentation unless otherwise specified by DNR.

5. Dollar total of lines 3 + 4: \$ \_\_\_\_\_

**Bonding obligations for 2026:**

6. Acreage disturbed but not bonded in 2025 (2 minus 1 above): \_\_\_\_\_ acres x \$ 150.00 = \$ \_\_\_\_\_

7. Number of all 2026 unreclaimed acres (2 minus 4 above): 14 acres x \$ 37.50 = \$ 525.00

(line 7 should match "total acreage currently disturbed" on your 2026 Reclamation Plan.

8. New acres to be disturbed in 2026: 2 acres x \$ 150.00 = \$ 300.00

9. Dollar total of lines 6 + 7 + 8: \$ 825.00

10. Total acreage bonded in 2026 (7 + 8): 16 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 \$ 825.00. Make check payable to: DEPARTMENT OF NATURAL RESOURCES.

*D Henry*

Dec. 12, 2025

Signed – Miner

Date

ADNR - Division of Mining, Land & Water

Date

BLM - Bureau of Land Management

Date

**Submit to DNR**

**Clear Form**

**Table 1. Tower Hill Mines, Inc's Livengood Project Land Holdings within the F9748 Work Area**

Owner	File Number	Parcel Name	MTRS Location
<b>State of Alaska Lease</b>			
Alaska Mental Health Trust	9400248	AMHLT - ML	See note
<b>Federal Patented Claims</b>			
Griffin Estate	MS 1990	MS 1990	F008N005W22 & 23
Tower Hill Mines, Inc.	MS 2477	MS 2477	F008N005W11 & 14
Tower Hill Mines, Inc.	MS 1956	MS 1956	F008N005W12
Livengood Placers, Inc.	MS 1960	MS 1960	F008N005W10, 14 & 15
<b>Federal Unpatented Claims</b>			
Richard L. Hudson	FF055452	Sharon	F008N005W23 & 26
Richard L. Hudson	FF055453	Dorothea	F008N005W22 & 23
Richard L. Hudson	FF055454	Lenora	F008N005W22 & 23
Richard L. Hudson	FF055455	Foster	F008N005W23
Richard L. Hudson	FF055456	Vance	F008N005W23
Richard L. Hudson	FF055457	Twerpit	F008N005W23 & 24
Richard L. Hudson	FF055458	Saunders	F008N005W23
Richard L. Hudson	FF055459	Nickie	F008N005W23 & 24
Richard L. Hudson	FF055460	Patrick	F008N005W23
Richard L. Hudson	FF055461	White Rock	F008N005W23
Richard L. Hudson	FF055462	Sunshine #1	F008N005W23
Richard L. Hudson	FF055463	Sunshine #2	F008N005W23
Richard L. Hudson	FF055464	Old Smoky	F008N005W23
Richard Geraghty	FF055465	Wittrock	F008N005W14 & 23
Richard Geraghty	FF055466	Black Rock	F008N005W23 & 24
Richard L. Hudson	FF055467	Trapline	F008N005W13, 14 & 24
Richard L. Hudson	FF055468	Patricia	F008N005W13
Richard L. Hudson	FF055469	Anne	F008N005W13, 14 & 24
Richard L. Hudson	FF055470	Eileen	F008N005W24
Richard L. Hudson	FF055471	Bridget	F008N005W13 & 24
Kasey L. Tucker	FF037580	Lillian No. 1	F008N005W22
Kasey L. Tucker	FF037581	Satellite	F008N005W22
Kasey L. Tucker	FF037582	Nickel Bench R. L.	F008N005W15 & 22
Kasey L. Tucker	FF037583	The Nickel	F008N005W22
Kasey L. Tucker	FF037584	Overlooked	F008N005W22
Kasey L. Tucker	FF037585	The Lad	F008N005W22
Tower Hill Mines, Inc.	AKFF 61477	Patsy Bench	F008N005W15
Tower Hill Mines, Inc.	AKFF 61498	#9 Above Discovery Association	F008N005W12
Livengood Placers, Inc.	AKFF 61250	Star fraction	F008N005W12
Livengood Placers, Inc.	AKFF 61256	#3 above discovery	F008N005W11
Livengood Placers, Inc.	AKFF 61257	#4 above discovery	F008N005W11
Livengood Placers, Inc.	AKFF 61259	#4-a above discovery	F008N005W11
Livengood Placers, Inc.	AKFF 61260	#5 above discovery bench	F008N005W11
Livengood Placers, Inc.	AKFF 61264	#7 above discovery	F008N005W12
Livengood Placers, Inc.	AKFF 61266	#8 above discovery	F008N005W12
Livengood Placers, Inc.	AKFF 61275	#6 above discovery	F008N005W12
Livengood Placers, Inc.	AKFF 61326	Sunshine Fraction	F008N005W21
Livengood Placers, Inc.	AKFF 61333	Eureka Bench claim	F008N005W15 & 22
Livengood Placers, Inc.	AKFF 61334	Bessie Bench	F008N005W15
Livengood Placers, Inc.	AKFF 61346	Discovery Livengood Cr. Association	F008N005W15

Owner	File Number	Parcel Name	MTRS Location
<b>State Claims</b>			
Tower Hill Mines, Inc.	338479	LUCKY 295	F008N005W12
Tower Hill Mines, Inc.	338480	LUCKY 296	F008N005W12
Tower Hill Mines, Inc.	338481	LUCKY 297	F008N004W07
Tower Hill Mines, Inc.	338484	LUCKY 392	F008N005W11
Tower Hill Mines, Inc.	338485	LUCKY 395	F008N005W12
Tower Hill Mines, Inc.	338486	LUCKY 396	F008N005W12
Tower Hill Mines, Inc.	338487	LUCKY 397	F008N004W07
Tower Hill Mines, Inc.	338488	LUCKY 398	F008N004W07
Tower Hill Mines, Inc.	338491	LUCKY 491	F008N005W11
Tower Hill Mines, Inc.	338492	LUCKY 492	F008N005W11
Tower Hill Mines, Inc.	338493	LUCKY 493	F008N005W12
Tower Hill Mines, Inc.	338494	LUCKY 494	F008N005W12
Tower Hill Mines, Inc.	338495	LUCKY 495	F008N005W12
Tower Hill Mines, Inc.	338496	LUCKY 496	F008N005W12
Tower Hill Mines, Inc.	338497	LUCKY 497	F008N004W07
Tower Hill Mines, Inc.	338498	LUCKY 498	F008N004W07
Tower Hill Mines, Inc.	338503	LUCKY 589	F008N005W14
Tower Hill Mines, Inc.	338504	LUCKY 590	F008N005W14
Tower Hill Mines, Inc.	338505	LUCKY 591	F008N005W14
Tower Hill Mines, Inc.	338506	LUCKY 592	F008N005W14
Tower Hill Mines, Inc.	338507	LUCKY 593	F008N005W13
Tower Hill Mines, Inc.	338508	LUCKY 594	F008N005W13
Tower Hill Mines, Inc.	338509	LUCKY 595	F008N005W13
Tower Hill Mines, Inc.	338510	LUCKY 596	F008N005W13
Tower Hill Mines, Inc.	338511	LUCKY 597	F008N004W18
Tower Hill Mines, Inc.	338512	LUCKY 598	F008N004W18
Tower Hill Mines, Inc.	338514	LUCKY 689	F008N005W14
Tower Hill Mines, Inc.	338515	LUCKY 690	F008N005W14
Tower Hill Mines, Inc.	338516	LUCKY 691	F008N005W14
Tower Hill Mines, Inc.	338517	LUCKY 692	F008N005W14
Tower Hill Mines, Inc.	338518	LUCKY 693	F008N005W13
Tower Hill Mines, Inc.	338519	LUCKY 694	F008N005W13
Tower Hill Mines, Inc.	338520	LUCKY 697	F008N004W18
Tower Hill Mines, Inc.	338521	LUCKY 698	F008N004W18
Tower Hill Mines, Inc.	347955	LC 695	F008N005W13
Tower Hill Mines, Inc.	347956	LC 696	F008N005W13
Tower Hill Mines, Inc.	347962	LC 790	F008N005W14
Tower Hill Mines, Inc.	347963	LC 791	F008N005W14
Tower Hill Mines, Inc.	347964	LC 792	F008N005W14
Tower Hill Mines, Inc.	347965	LC 793	F008N005W13
Tower Hill Mines, Inc.	347966	LC 794	F008N005W13
Tower Hill Mines, Inc.	347967	LC 795	F008N005W13
Tower Hill Mines, Inc.	347968	LC 796	F008N005W13
Tower Hill Mines, Inc.	347969	LC 797	F008N004W18
Tower Hill Mines, Inc.	347970	LC 798	F008N004W18
Tower Hill Mines, Inc.	347976	LC 891	F008N005W14
Tower Hill Mines, Inc.	347977	LC 892	F008N005W14
Tower Hill Mines, Inc.	347978	LC 893	F008N005W13
Tower Hill Mines, Inc.	347979	LC 894	F008N005W13
Tower Hill Mines, Inc.	347980	LC 895	F008N005W13
Tower Hill Mines, Inc.	348802	LC 688	F008N005W15
Tower Hill Mines, Inc.	348803	LC 787	F008N005W15

Owner	File Number	Parcel Name	MTRS Location
Tower Hill Mines, Inc.	348804	LC 788	F008N005W15
Tower Hill Mines, Inc.	348806	LC 885	F008N005W15
Tower Hill Mines, Inc.	348807	LC 886	F008N005W15
Tower Hill Mines, Inc.	348808	LC 887	F008N005W15
Tower Hill Mines, Inc.	348809	LC 888	F008N005W15
Tower Hill Mines, Inc.	348810	LC 984	F008N005W21
Tower Hill Mines, Inc.	348811	LC 985	F008N005W22
Tower Hill Mines, Inc.	348812	LC 986	F008N005W22
Tower Hill Mines, Inc.	348813	LC 987	F008N005W22
Tower Hill Mines, Inc.	348814	LC 1083	F008N005W21
Tower Hill Mines, Inc.	348815	LC 1084	F008N005W21
Tower Hill Mines, Inc.	348816	LC 1085	F008N005W22
Tower Hill Mines, Inc.	348817	LC 1086	F008N005W22
Tower Hill Mines, Inc.	348818	LC 1183	F008N005W21
Tower Hill Mines, Inc.	348819	LC 1184	F008N005W21
Tower Hill Mines, Inc.	348820	LC 1185	F008N005W22
Tower Hill Mines, Inc.	348821	LC 1186	F008N005W22
Tower Hill Mines, Inc.	348823	LC 1283	F008N005W21
Tower Hill Mines, Inc.	348824	LC 1284	F008N005W21
Tower Hill Mines, Inc.	348825	LC 1285	F008N005W22
Tower Hill Mines, Inc.	348826	LC 1286	F008N005W22
Tower Hill Mines, Inc.	348827	LC 1287	F008N005W22
Tower Hill Mines, Inc.	348828	LC 1288	F008N005W22
Tower Hill Mines, Inc.	348830	LC 1383	F008N005W28
Tower Hill Mines, Inc.	348831	LC 1384	F008N005W28
Tower Hill Mines, Inc.	348832	LC 1385	F008N005W27
Tower Hill Mines, Inc.	361329	LUCKY 294	F008N005W12
Tower Hill Mines, Inc.	361331	LUCKY 394	F008N005W12

Note: AMHTL under lease to THM, comprises 9,970 acres in F09N04W (sections 31-33), F08N04W (sections 5-8, 17-20, 27-30, 33-34), F08N05W (sections 1-2, 10-16, 21-28, 33-34).



**LIVENGOOD GOLD PROJECT**

March 5, 2026

Mr. Michael LaDouceur  
Alaska Department of Natural Resources  
Division of Mining, Land & Water  
3700 Airport Way  
Fairbanks, AK 99709

**RE: APMA Renewal F269748 Replacement Water Source**

Dear Mr. Mike:

As discussed, here are the location details for a replacement water source for our renewal application APMA F269748. This is shown as number 4 on the attached map and replaces the water source requested for a well near Lillian Creek (previously shown as number 4 on in the Feb. 4, 2026 application). The new source is needed because of earlier than expected driller availability on April 15, 2026 and the probability of finding unfrozen water under the ice. It is a former placer makeup water pond which does not contain fish and does not have a surface water connection. The location is N65.5287 degrees and W148.5559 degrees in Fairbanks Meridian, Township 8N, Range 5W, Section 10 SESW.

All other details presented in the February 4, 2026 application remain unchanged.

Please contact me if you need any further information. Thank you.

Sincerely,

Denise Herzog,  
Environmental Manager

Enclosure:  
Livengood Project Figure 2 Activity Map