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

☐ Single Year _____ ☑ Multi-year Start: 2027 Finish: 12/31/37 APMA Number (A/F/J,Year,****) 2151

What type activity are you planning to perform? *REQUIRED (1)

- ☐ Suction Dredging/Reclamation
- ☐ Placer Mining/ Reclamation
- ☑ Hardrock Exploration/ Reclamation
- ☐ Reclamation Only
- ☐ Access

Surface estate of mineral properties: *REQUIRED (2)

- ☑ State (General)
- ☐ Federal
- ☐ State (Mental Health)
- ☐ Private
- ☐ City or Borough

Check All That Apply: ☑ Mineral Property Owner ☐ Lessee ☐ Operator *Required (3)

Name: Cassandra Beaumont
Primary Phone Number: +1 604 848 8314
Address: South32 USA Exploration Inc.
1850-1066 Hastings St W, Vancouver, BC V6E 3X
Secondary Phone Number: +1 778 357 4057
Email: cassandra.beaumont@south32.net
Click here for the Department of Commerce Link
Alaska Business/Corporation Entity# 10063037
Registered Agent (Corp./LLC/LP)

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

Name: Cassandra Beaumont
Primary Phone Number: +1 604 848 8314
Address: South32 USA Exploration Inc.
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Alaska Business/Corporation Entity# 10063037
Registered Agent (Corp./LLC/LP)

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

Name: Gary DeSchutter
Primary Phone Number: +1 778 357 4075
Address: South32 USA Exploration Inc.
1850-1066 Hastings St W, Vancouver, BC V6E 3X
Secondary Phone Number:
Email: gary.deschutter@south32.net
Alaska Business/Corporation Entity# 10063037
Registered Agent (Corp./LLC/LP)

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

Name: Gary DeSchutter
Primary Phone Number: +1 778 357 4075
Address: South32 USA Exploration Inc.
1850-1066 Hastings St W, Vancouver, BC V6E 3X
Secondary Phone Number:
Email: gary.deschutter@south32.net
Attach a separate sheet for additional contacts
Alaska Business/Corporation Entity# 10063037
Registered Agent (Corp./LLC/LP)

Project Name If Applicable: (7)	Average Number of Workers: *REQUIRED (8)	Start-Up/Shut Down: (Month/Day) (9)
Roosevelt	12-24	May 15 to December 31, 20

Mining District: *REQUIRED (10)	Applicable USGS Map(s): *REQUIRED (11)	On What Stream Is This Activity? (12)
Fairbanks	Wiseman A-3 thru A-6, B-3 thru B-5	See Water Authorization Section

Legal Description of mineral properties to be worked (MTRS) *REQUIRED (13)
Example: Fairbanks Meridian Township 001N Range 003E Sections 15, 16, and 21 or F 001N 003E Sec. 15, 16, and 21

See Attached Sheet

Internal Use Only:

Internal Use Only:
Date Application Received Complete: _____ Adjudicator: _____ LAS Entry: _____
Sec 3 CID: 64364 Sec 4 CID: _____ Sec 5 CID: _____ Sec 6 CID: _____

Fairbanks Meridian (F)

Twn	Rng	Secs
27N	18W	2-3,10-11,14-15,22-23
27N	20W	6
27N	21W	1-11,16-18
27N	22W	1-24,30
27N	23W	1-30
27N	24W	1-30
27N	25W	1-2,11-14,23-26
28N	17W	1-18
28N	18W	1-2,7-12,14-23,26-35
28N	19W	7-30,34-36
28N	20W	2-19,22-32
28N	21W	1-36
28N	22W	11-14,19-36
28N	23W	25-28,31-36
28N	24W	31-36
28N	25W	35-36
29N	16W	1-36
29N	17W	12-17,20-29,31,33-36
29N	20W	31-33,35-36
29N	21W	34-36

Kateel River Meridian (K)

Twn	Rng	Secs
20N	26E	1-2,11-14
20N	27E	6-7,18
21N	26E	21-23,26-28,33-35

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		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.

	Make, Model, Type, Size, Purpose of Equipment or Pump	Quantity of this type	Check One: Located on the claim block?	Check One: Transporting to claim block?
1.	LF-70 or similar diamond drill core rig	2	✓	
2.	Bean pump or similar	2	✓	
3.	Kubota k 008-3 mini-excavator or similar	1	✓	
4.	AS350B3e helicopter or similar	2	✓	
5.				
6.				
7.				
8.				

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:_____

☐ 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:_____

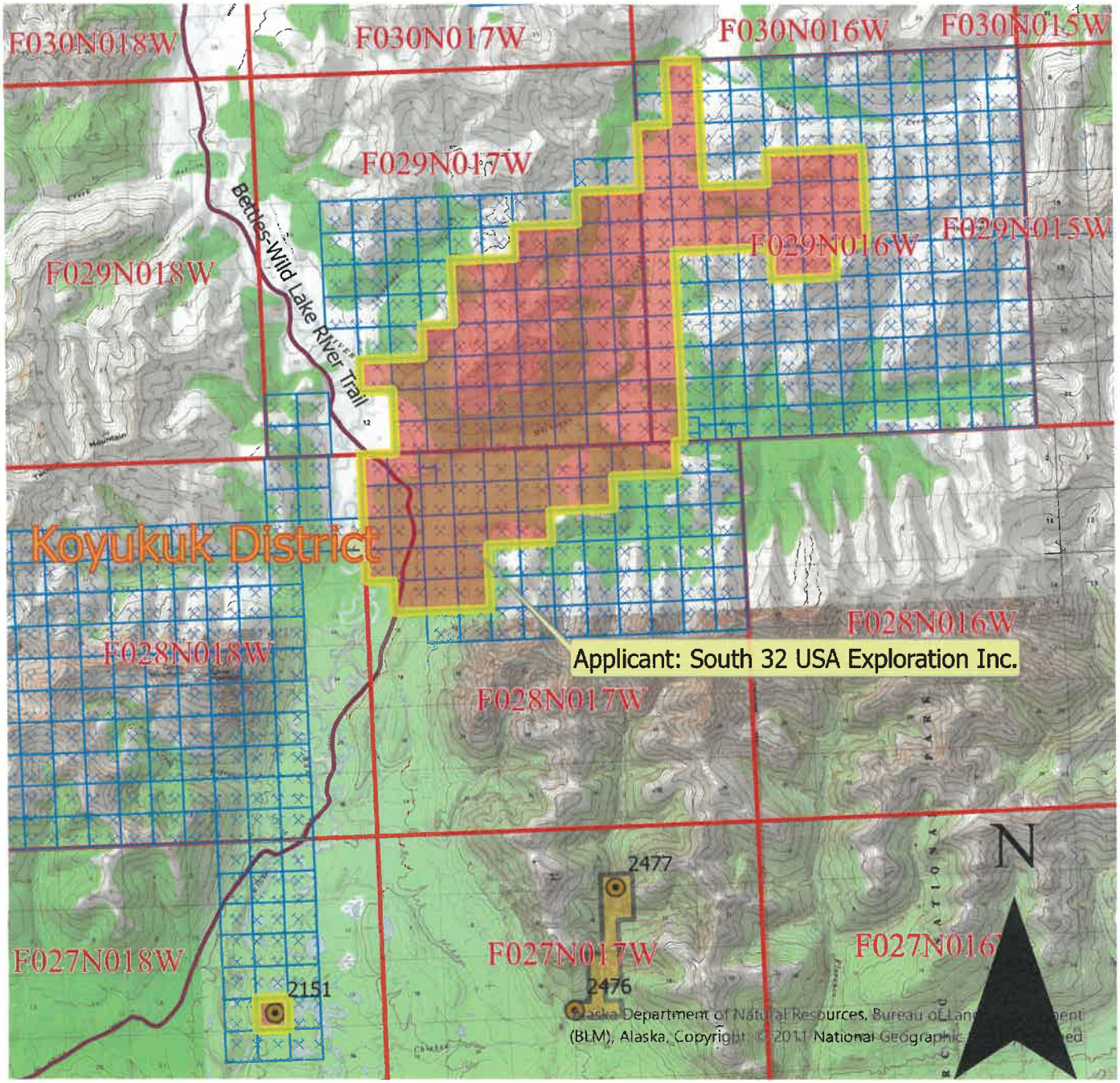
☐ Navigable Waterway

☑ 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 Improvments or Construction Proposed ☐

APMA 2151 Active Area



This map was created on 11/24/2026 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: 1:146,881

- Mechanical Placer Mining
- Hardrock Exploration
- State Mining Claim Active
- RS2477 Historic Transportation Routes

0 1.75 3.5 Miles

Center: 151°17'1"W 67°15'59"N

CASE_ID	CSTMRNM	SPCLCDDSCR	CSSTTSDSCR	CLAIM_NAME	NTPSTDT	RFRSHDT
ADL 732117	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 3	6/23/2020 9:35	11/24/2026 4:01
ADL 732118	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 4	6/23/2020 9:35	11/24/2026 4:01
ADL 732121	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 7	6/23/2020 9:35	11/24/2026 4:01
ADL 732122	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 8	6/23/2020 9:35	11/24/2026 4:01
ADL 732123	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 9	6/23/2020 9:35	11/24/2026 4:01
ADL 732131	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 17	6/23/2020 9:35	11/24/2026 4:01
ADL 732132	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 18	6/23/2020 9:35	11/24/2026 4:01
ADL 732133	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 19	6/23/2020 9:35	11/24/2026 4:01
ADL 732134	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 20	6/23/2020 9:35	11/24/2026 4:01
ADL 732135	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 21	6/23/2020 10:56	11/24/2026 4:01
ADL 732136	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 22	6/23/2020 10:56	11/24/2026 4:01
ADL 732137	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 23	6/23/2020 10:56	11/24/2026 4:01
ADL 732138	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 24	6/23/2020 10:56	11/24/2026 4:01
ADL 732139	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 25	6/23/2020 10:56	11/24/2026 4:01
ADL 732145	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 31	6/23/2020 10:56	11/24/2026 4:01
ADL 732146	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 32	6/23/2020 10:56	11/24/2026 4:01
ADL 732147	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 33	6/23/2020 10:56	11/24/2026 4:01
ADL 732148	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 34	6/23/2020 10:56	11/24/2026 4:01
ADL 732149	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 35	6/23/2020 10:56	11/24/2026 4:01
ADL 732150	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 36	6/23/2020 10:56	11/24/2026 4:01
ADL 732151	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 37	6/23/2020 10:56	11/24/2026 4:01
ADL 732152	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 38	6/23/2020 10:56	11/24/2026 4:01
ADL 732153	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 39	6/23/2020 10:56	11/24/2026 4:01
ADL 732154	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 40	6/23/2020 10:56	11/24/2026 4:01
ADL 732155	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 41	6/23/2020 10:56	11/24/2026 4:01
ADL 732159	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 45	6/23/2020 11:56	11/24/2026 4:01
ADL 732160	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 46	6/23/2020 11:56	11/24/2026 4:01
ADL 732161	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 47	6/23/2020 11:56	11/24/2026 4:01
ADL 732162	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 48	6/23/2020 11:56	11/24/2026 4:01
ADL 732163	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 49	6/23/2020 11:56	11/24/2026 4:01
ADL 732164	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 50	6/23/2020 11:56	11/24/2026 4:01
ADL 732165	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 51	6/23/2020 11:56	11/24/2026 4:01

ADL 732169	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 55	6/23/2020 11:56	11/24/2026 4:01
ADL 732170	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 56	6/23/2020 11:56	11/24/2026 4:01
ADL 732175	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 61	6/23/2020 11:56	11/24/2026 4:01
ADL 732176	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 62	6/23/2020 11:56	11/24/2026 4:01
ADL 732177	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 63	6/23/2020 11:56	11/24/2026 4:01
ADL 732178	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 64	6/23/2020 11:56	11/24/2026 4:01
ADL 732179	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 65	6/23/2020 13:36	11/24/2026 4:01
ADL 732180	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 66	6/23/2020 13:36	11/24/2026 4:01
ADL 732181	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 67	6/23/2020 13:36	11/24/2026 4:01
ADL 732190	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 76	6/23/2020 13:36	11/24/2026 4:01
ADL 732191	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 77	6/23/2020 13:36	11/24/2026 4:01
ADL 732192	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 78	6/23/2020 13:36	11/24/2026 4:01
ADL 732193	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 79	6/23/2020 13:36	11/24/2026 4:01
ADL 732194	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 80	6/23/2020 13:36	11/24/2026 4:01
ADL 732195	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 81	6/23/2020 13:36	11/24/2026 4:01
ADL 732196	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 82	6/23/2020 13:36	11/24/2026 4:01
ADL 732197	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 83	6/23/2020 13:36	11/24/2026 4:01
ADL 732205	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 91	6/23/2020 14:38	11/24/2026 4:01
ADL 732206	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 92	6/23/2020 14:38	11/24/2026 4:01
ADL 732207	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 93	6/23/2020 14:38	11/24/2026 4:01
ADL 732208	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 94	6/23/2020 14:38	11/24/2026 4:01
ADL 732209	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 95	6/23/2020 14:38	11/24/2026 4:01
ADL 732210	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 96	6/23/2020 14:38	11/24/2026 4:01
ADL 732211	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 97	6/23/2020 14:38	11/24/2026 4:01
ADL 732212	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 98	6/23/2020 14:38	11/24/2026 4:01
ADL 732213	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 99	6/23/2020 14:38	11/24/2026 4:01
ADL 732215	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 101	6/23/2020 14:38	11/24/2026 4:01
ADL 732216	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 102	6/23/2020 14:38	11/24/2026 4:01
ADL 732217	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 103	6/23/2020 14:38	11/24/2026 4:01
ADL 732218	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 104	6/23/2020 14:38	11/24/2026 4:01
ADL 732219	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 105	6/23/2020 14:38	11/24/2026 4:01
ADL 732220	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 106	6/23/2020 14:38	11/24/2026 4:01
ADL 732221	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 107	6/23/2020 14:38	11/24/2026 4:01

ADL 732222	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 108	6/23/2020 14:38	11/24/2026 4:01
ADL 732223	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 109	6/23/2020 15:32	11/24/2026 4:01
ADL 732225	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 111	6/23/2020 15:32	11/24/2026 4:01
ADL 732226	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 112	6/23/2020 15:32	11/24/2026 4:01
ADL 732227	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 113	6/23/2020 15:32	11/24/2026 4:01
ADL 732228	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 114	6/23/2020 15:32	11/24/2026 4:01
ADL 732229	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 115	6/23/2020 15:32	11/24/2026 4:01
ADL 732230	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 116	6/23/2020 15:32	11/24/2026 4:01
ADL 732231	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 117	6/23/2020 15:32	11/24/2026 4:01
ADL 732232	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 118	6/23/2020 15:32	11/24/2026 4:01
ADL 732233	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 119	6/23/2020 15:32	11/24/2026 4:01
ADL 732234	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 120	6/23/2020 15:32	11/24/2026 4:01
ADL 732235	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 121	6/23/2020 15:32	11/24/2026 4:01
ADL 732236	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 122	6/23/2020 15:32	11/24/2026 4:01
ADL 732237	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 123	6/23/2020 15:32	11/24/2026 4:01
ADL 732238	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 124	6/23/2020 15:32	11/24/2026 4:01
ADL 732239	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 125	6/23/2020 15:32	11/24/2026 4:01
ADL 732240	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 126	6/23/2020 15:32	11/24/2026 4:01
ADL 732241	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 127	6/23/2020 15:32	11/24/2026 4:01
ADL 732242	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 128	6/23/2020 15:32	11/24/2026 4:01
ADL 733080	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	JO 683	6/27/2020 11:29	11/24/2026 4:01
ADL 733081	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	JO 684	6/27/2020 11:29	11/24/2026 4:01
ADL 733082	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	JO 685	6/27/2020 11:29	11/24/2026 4:01
ADL 733083	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	JO 686	6/27/2020 11:29	11/24/2026 4:01
ADL 733084	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	JO 687	6/27/2020 11:29	11/24/2026 4:01
ADL 733212	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 139	8/19/2020 9:29	11/24/2026 4:01
ADL 733213	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 140	8/19/2020 9:29	11/24/2026 4:01
ADL 733214	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 141	8/19/2020 9:29	11/24/2026 4:01
ADL 733215	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 142	8/19/2020 9:29	11/24/2026 4:01
ADL 733216	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	KING 143	8/19/2020 9:29	11/24/2026 4:01
ADL 733217	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	JO 688	8/19/2020 9:29	11/24/2026 4:01
ADL 733218	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	JO 689	8/19/2020 9:29	11/24/2026 4:01
ADL 733219	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	JO 690	8/19/2020 9:29	11/24/2026 4:01

ADL 733221	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	JO 692	8/19/2020 9:29	11/24/2026 4:01
ADL 733222	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	JO 693	8/19/2020 9:29	11/24/2026 4:01
ADL 733223	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	JO 694	8/19/2020 9:29	11/24/2026 4:01
ADL 736564	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	WD 01	8/2/2021 15:06	11/24/2026 4:01
ADL 736570	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	WD 07	8/2/2021 15:06	11/24/2026 4:01
ADL 736581	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	WD 18	8/2/2021 15:06	11/24/2026 4:01
ADL 736657	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	IK 02	8/3/2021 10:04	11/24/2026 4:01
ADL 736669	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	IK 14	8/3/2021 10:04	11/24/2026 4:01
ADL 736680	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	IK 25	8/3/2021 11:21	11/24/2026 4:01
ADL 736681	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	IK 26	8/3/2021 11:21	11/24/2026 4:01
ADL 736736	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	IK 81	8/3/2021 11:53	11/24/2026 4:01
ADL 737788	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	TIMBER 03	5/4/2022 12:08	11/24/2026 4:01
ADL 737800	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	TIMBER 15	5/4/2022 12:08	11/24/2026 4:01
ADL 737804	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	TIMBER 19	5/4/2022 12:08	11/24/2026 4:01
ADL 737821	SOUTH32 USA EXPLORATION INC.	MINING CLAIM (MC)	ACTIVE (35)	CO 17	5/4/2022 12:08	11/24/2026 4:01

List of Mineral Properties

Claim Name	MTRS	ADL#
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ROO 3	F028N023W27	731841
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ROO 5	F028N023W26	731843
ROO 6	F028N023W25	731844
ROO7	F028N023W25	731845
ROO 8	F028N023W33	731846
ROO 9	F028N023W34	731847
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ROO 11	F028N023W35	731849
ROO 12	F028N023W35	731850
ROO 13	F028N023W36	731851
ROO 14	F028N023W36	731852
ROO 15	F028N024W31	731853
ROO 16	F028N024W31	731854
ROO 17	F028N024W32	731855
ROO 18	F028N024W32	731856
ROO 19	F028N024W33	731857
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ROO 32	F028N023W33	731870
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JO 694	F028N017W17	733223
JO 695	F028N017W16	733224
WD 01	F028N017W02	736564
WD 02	F028N017W01	736565
WD 03	F028N017W01	736566
WD 04	F028N017W02	736567
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WD 09	F028N017W10	736572
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WD 15	F028N018W11	736578
WD 18	F028N017W07	736581
WD 19	F028N017W09	736582
WD 20	F028N017W10	736583
WD 21	F028N017W10	736584
WD 22	F028N017W11	736585
WD 23	F028N017W11	736586

WD 24	F028N017W12	736587
WD 25	F028N017W12	736588
WD 26	F028N018W14	736589
WD 27	F028N018W14	736590
WD 31	F028N017W16	736594
WD 32	F028N017W15	736595
WD 33	F028N017W15	736596
WD 34	F028N017W14	736597
WD 35	F028N017W14	736598
WD 36	F028N017W13	736599
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WD 38	F028N018W14	736601
WD 39	F028N018W14	736602
WD 44	F028N017W17	736607
WD 45	F028N017W17	736608
WD 46	F028N017W16	736609
WD 47	F028N017W16	736610
WD 48	F028N017W15	736611
WD 49	F028N017W15	736612
WD 50	F028N017W14	736613
WD 51	F028N017W14	736614
WD 52	F028N017W13	736615
WD 53	F028N017W13	736616
WD 54	F028N018W23	736617
WD 55	F028N018W23	736618
WD 56	F028N018W23	736619
WD 57	F028N018W23	736620
WD 58	F028N018W26	736621
WD 59	F028N018W26	736622
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WD 64	F028N018W27	736627
WD 65	F028N018W26	736628
WD 66	F028N018W26	736629
WD 67	F028N019W36	736630
WD 68	F028N018W31	736631
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WD 85	F028N018W32	736648
WD 86	F028N018W32	736649
WD 87	F028N018W33	736650
WD 88	F028N018W33	736651
WD 89	F028N018W34	736652
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WD 91	F028N018W35	736654
WD 92	F028N018W35	736655
IK 01	F029N016W06	736656
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IK 06	F029N016W04	736661
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IK 17	F029N016W04	736672
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IK 19	F029N016W03	736674
IK 20	F029N016W03	736675
IK 21	F029N016W02	736676
IK 22	F029N016W02	736677
IK 23	F029N016W01	736678
IK 24	F029N016W01	736679
IK 25	F029N016W07	736680
IK 26	F029N016W07	736681
IK 27	F029N016W08	736682
IK 28	F029N016W08	736683

IK 29	F029N016W09	736684
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IK 32	F029N016W10	736687
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IK 42	F029N016W14	736697
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IK 53	F029N016W23	736708
IK 54	F029N016W23	736709
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IK 92	F029N016W36	736747
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TIMBER 05	F029N017W31	737790
TIMBER 08	F029N017W31	737793
TIMBER 09	F029N017W31	737794
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CO 13	F027N018W14	737817
CO 14	F027N018W14	737818
CO 15	F027N018W15	737819

CO 16	F027N018W15	737820
CO 17	F027N018W14	737821
CO 18	F027N018W14	737822
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CO 21	F027N018W22	737825
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ROSE 068	K021N026E22	737893
ROSE 069	K021N026E22	737894
ROSE 070	K021N026E23	737895
ROSE 071	K021N026E23	737896
ROSE 072	F028N025W35	737897
ROSE 073	F028N025W35	737898
ROSE 074	F028N025W36	737899
ROSE 075	F028N025W36	737900
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ROSE 080	K021N026E26	737905
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ROSE 091	F027N025W02	737916
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ROSE 096	K021N026E34	737921
ROSE 097	K021N026E35	737922
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ROSE 102	F027N025W12	737927
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ROSE 106	K021N026E35	737931
ROSE 107	K021N026E35	737932
ROSE 108	F027N025W11	737933
ROSE 109	F027N025W11	737934
ROSE 110	F027N025W12	737935
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ROSE 145	K020N026E14	737970
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ROSE 151	K020N026E14	737976
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ROSE 153	K020N026E13	737978
ROSE 154	K020N027E18	737979
ROSE 155	K020N027E18	737980
ROSE 156	F027N025W26	737981

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:

See Attached Form

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 ½" x 11". Do not tape maps together.

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

South32 USA Exploration Inc.,

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

Pathfinder AS350B3e helicopter or similar to transport people from Coldfoot, Alaska or temporary camps to the claim block from May to October annually. No overland travel.

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

State the start and end date(s) or period(s) of proposed travel: May to October annually from 2027 - 2037.

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: _____

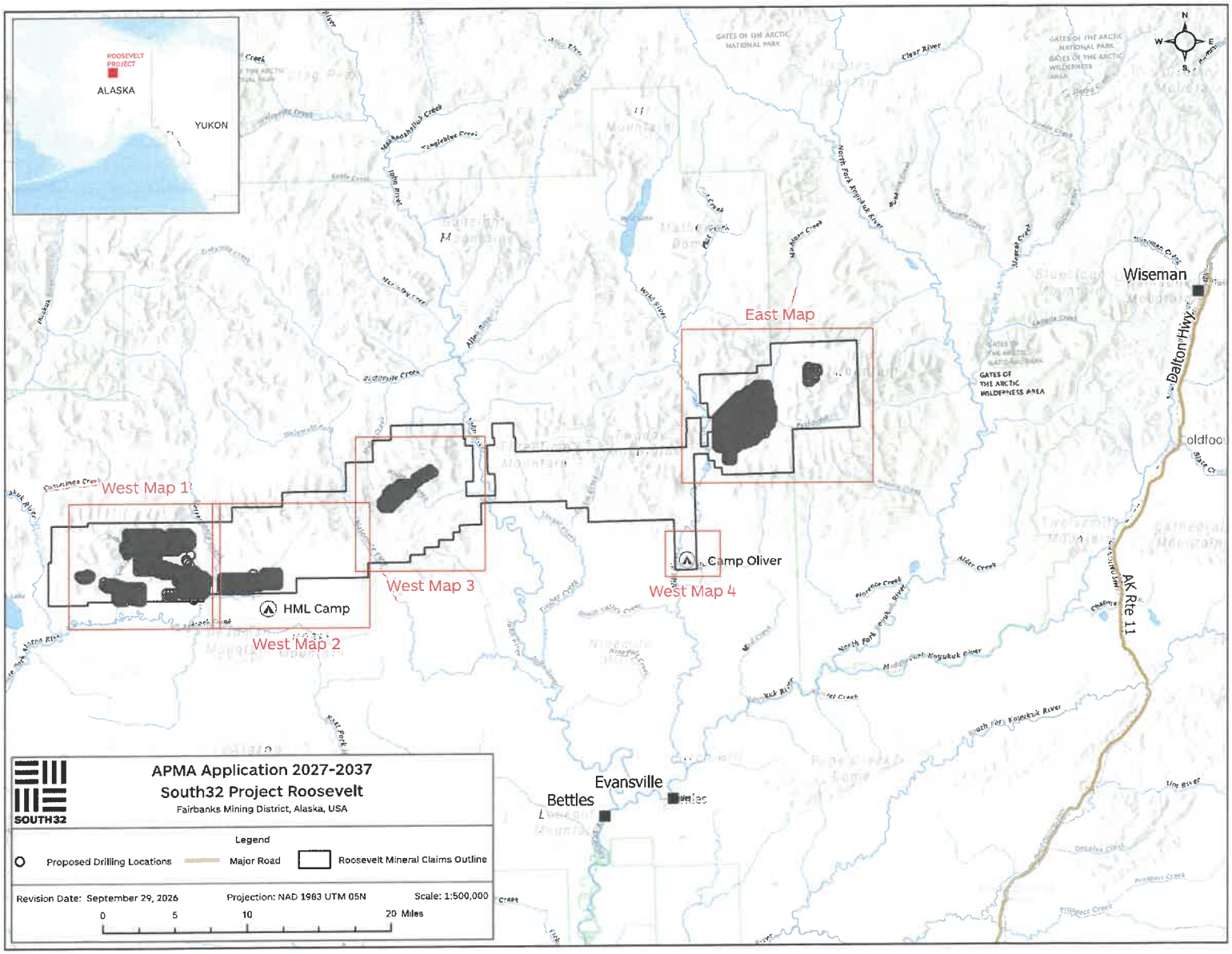
Are you transporting fuel? ☐ Yes ☑ No

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

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

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

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


ROOSEVELT PROJECT
ALASKA
YUKON
East Map
West Map 1
West Map 2
West Map 3
West Map 4
HML Camp
Camp Oliver
Wiseman
Dalton Hwy
AK Rte 11
Evansville
Bettles
APMA Application 2027-2037
South32 Project Roosevelt
Fairbanks Mining District, Alaska, USA
SOUTH32
Legend
Proposed Drilling Locations
Major Road
Roosevelt Mineral Claims Outline
Revision Date: September 29, 2026
Projection: NAD 1983 UTM 05N
Scale: 1:500,000
0 5 10 20 Miles

ACCESS TO THE CLAIM BLOCK, CONTINUED

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.

The proposed exploration program consists of helicopter-supported mineral exploration activities within the claim block, including seasonal operation of a temporary exploration camp, diamond drilling, fuel storage, helicopter landing areas, and associated support activities. Temporary camp facilities may include sleeper tents, office tents, storage structures, sanitary facilities, generators, fuel storage systems, and drill support equipment. No permanent structures, roads, airstrips, bridges, or stream crossings are proposed. All equipment and facilities are portable and may be removed at the conclusion of operations. Exploration activities will generally occur between May and September of each operating season.

To protect water resources, all fuels, lubricants, and hazardous materials will be stored within appropriate secondary containment and managed in accordance with permit requirements. A project Spill Prevention, Control, and Countermeasure Plan will be developed and updated annually by third party consultants. Refueling will be conducted away from surface waters whenever practicable. Spill prevention and response equipment will be maintained at camp, fuel storage locations, and drill sites. Water withdrawals for drilling will be conducted under applicable authorizations and in a manner that minimizes impacts to aquatic resources and stream flows. Drill sites, camps, and fuel storage areas will be located away from waterbodies, wetlands, and riparian areas wherever practical to minimize disturbance and erosion potential.

To protect fish and wildlife resources, exploration activities will minimize the area of surface disturbance and utilize existing disturbed areas where feasible. Helicopter operations will be conducted to reduce disturbance to wildlife to the extent practicable. Food, waste, and attractants will be properly stored and managed to prevent wildlife interactions. Personnel will receive wildlife awareness training and appropriate bear safety equipment will be maintained at camp and field locations. Any wildlife encounters or observations of sensitive habitat will be managed in accordance with permit requirements and agency guidance.

Access to exploration targets will primarily be by helicopter, minimizing the need for ground disturbance. No new roads or permanent access routes are proposed within the claim blocks. Any temporary trails or work areas created during exploration activities will be limited to the minimum area necessary to safely conduct operations and will be reclaimed as required following completion of activities.

At the completion of each field season, drill sites will be cleaned of supplies, refuse, and equipment, and all waste materials will be removed for proper disposal. Drill casing will be removed where practicable and any disturbed areas will be stabilized as necessary. Temporary structures and equipment not approved for seasonal storage will be removed from the site. Annual Reclamation Plan Statements will be submitted with the annual work plans and followed by the Annual Reclamation Statement and Report following close out of each field season.

Final closure and reclamation for the program will occur upon completion of exploration activities within the claim block or upon permit termination. Reclamation activities will include:

- removal of all exploration equipment, camp facilities, fuel storage systems, refuse, and other project-related materials;
- stabilization of disturbed areas where necessary;
- recontouring of localized disturbances if required; and
- promotion of natural revegetation.

Because access is primarily helicopter-supported and no permanent roads are proposed, long-term surface disturbance is expected to be minimal. Final reclamation will be completed as soon as practicable following cessation of exploration activities and in accordance with permit requirements and agency approvals.

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:

Spill Prevention Control and Countermeasure Plan (SPCC)

Quantitiy 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: 200 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

TEMPORARY STRUCTURES/FACILITIES (18)

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

If "No", Please explain:

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

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

If camp is on private land, provide location:

Proposed perimeter dimensions of camp: 300 Length (feet) 600 Width (feet).

☑ Request use of **existing** facilities, list ADL(s): ADL 737821

☐ Year-Round ☑ Seasonal, from Approx. May to October, annually.

☐ Request to place **new** temporary structures, list ADL(s):

☐ Year-Round ☐ Seasonal, from Approx. _____ to _____, annually.

	Temporary New Structures Quantity	Existing Structure Quantity	Use (Shop, office, etc.)	Dimensions (ft x ft)	Dimensions (ft x ft)	Dimensions (ft x ft)
Framed			Refer to Attached			
Tent						
Trailer						
Platforms						
Out-Buildings						
Other:						

** If Required, list any other structures on a separate sheet, include dimensions, use, and type.*

Grey Water and Biological Waste - Describe storage and proposed method of disposal (*e.g.*, leach line, septic, holding tank, or pit privy):

Grey water will be disposed of in a leach line. Biological waste (food waste and human solid waste) will either be incinerated or back to camp for disposal offsite. The camp will use pacto toileys and this waste will be incinerated. 6 pacto's on site, and if sufficient then

Solid Waste - Describe the types of waste that will be generated on-site including garbage, scrap metal, industrial; and describe its disposal method. Note: For on-site disposal on state land, additional authorization is required by DEC and DNR outside of the APMA.

Grey water will be disposed of in a leach line. Biologic waste (food waste and human solid waste) will either be incinerate or back hauled in a septic tank to town for disposal. The camp will use pacto dry toilets and this waste will be incinerated. If there are any issues, then it will be supplemented with an outhouse that has a storage tank and can be back hauled to town.

What is the distance grey water, biological, and solid waste will be located from the ordinary high water mark of the nearest freshwater body (lake, stream, river, rivulet, etc.), or the mean high water mark of a saltwater body: 200 feet.

Will there be any use of animals (horses, dogs, goats/sheep, etc)? ☐ Yes ☑ No

Required: Dismantle and Removal for Structures: Provide a plan for dismantling and removing structures, equipment, and storage tanks. Include the method and timeline for restoration of all location areas.

All temporary structures, exploration equipment, fuel storage tanks, secondary containment systems, and associated materials will be dismantled and removed from the project area either during seasonal demobilization or upon completion of the exploration program transported from site by helicopter, fixed-wing aircraft, or ground transportation, as appropriate. Following removal activities, all camp locations, drill sites, fuel storage areas, staging areas, and other disturbed locations will be inspected for reclamation requir Project-related debris, anchors, cribbing, and temporary installations will be removed, and any disturbed ground will be stabilized as necessary to prevent erosion and restore natural drainage patterns. Seasonal restoration activities will be completed at the end of each field season for areas no longer required for operations. Final reclamation and restoration of all remaining disturbed areas will be completed upon completion of the exploration program or closure of the project. Disturbed areas will be restored as closely as practicable to their pre-disturbance condition and allowed to naturally revegetate.

TEMPORARY STRUCTURE/FACILITIES

	Existing Structure Quantity	Use (Shop, office, etc.)	Dimensions (ft x ft)
Tent	1	Kitchen	16 X 40
	1	Medic	10 x 20
	2	dry, food storage	12 x 20
	2	Bath house, office	16 x 30
	15	Sleepers	12 x 10
	3	Sleepers	8 x 10
Platforms	29	Tents listed above, helicopter pads, fuel storage pad	2 (16x40), 1 (10x20), 6 (12x20), 2(16x30), 15 (12x10), 3(8x10),
Other	2	Boardwalk throughout camp, boardwalk infront of office/kitchen/bath house tents	

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.^{3}/Hr.:		Yds.^{3}/Hr.:		Yds.^{3}/Hr.:	
Wastewater Discharge Rate	GPM:		GPM:		GPM:	
Maximum Water Depth	Feet:		Feet:		Feet:	
Average Daily Operating Hours						
Operation on Sea Ice (Yes/No)	Yes ☐ / No ☐		Yes ☐ No ☐		Yes ☐ / No ☐	
Vessel Registration # / State	#:	State:	#:	State:	#:	State:

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

Estimated number of pits to be excavated: _____. How long will the test pit be open if not converted into an active mine cut? _____

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:

Beam pump or similar for water withdrawal

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

	Stream Name/ Water Source	NAD 83 Datum (approximate) Coordinates can be obtained using Alaska Mapper http://dnr.alaska.gov/mapper/controller		MTRSC ¼ ¼ Ex: F001S001N01 SWSW	Check boxes to indicate type(s) of activity		
		Latitude ddd.mmmm	Longitude -ddd.mmmm		Crossing	Dredging	Water Intake
1.	See attached (24)				☐	☐	☑
2.					☐	☐	☐
3.					☐	☐	☐
4.					☐	☐	☐
5.					☐	☐	☐

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

WATER USE AUTHORIZATIONS

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

- Is there a current Water Right within the proposed mineral property boundary? Yes ☐ No ■
- If yes, provide the LAS or ADL Water Right Case File number: _____
- What are the months of water use needed (for example May 1st through October 31st)? May 1 through October 1

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.			
Example: Unnamed Creek	F	3N	3W	20	Start-Up	X	Make-Up	X
1. Refer to Attached					Start-Up	☐	Make-Up	☐
	Latitude:			Longitude:				
2.					Start-Up	☐	Make-Up	☐
	Latitude:			Longitude:				
3.					Start-Up	☐	Make-Up	☐
	Latitude:			Longitude:				
4.					Start-Up	☐	Make-Up	☐
	Latitude:			Longitude:				
5.					Start-Up	☐	Make-Up	☐
	Latitude:			Longitude:				

Roosevelt Project – APMA Application (East) – TWUA 3

Water Source Number	Name/ Water Source	Latitude	Longitude	NHD ID	MTR	Sections	Activity
TWUA_3 SR_1	Michigan Creek	67.3748	-151.1999	I788Q	F028N017W F029N016W F029N017W	04 - 07 18, 19 24, 25, 34 - 36	Water Intake
TWUA_3 SR_2	Michigan Creek	67.3303	-151.1310	I7A2H	F029N016W	16 - 18, 21	Water Intake
TWUA_3 SR_3	Unnamed Stream	67.2680	-151.3266	I7BFS	F028N017W	07 - 09, 18	Water Intake
TWUA_3 SR_4	Wild River	67.2560	-151.3552	I6NGR	F028N017W	18	Water Intake
TWUA_3 SR_5	Unnamed Lake	67.1610	-151.4639	KKQ00	F027N018W	14, 23	Water Intake

Roosevelt Project – APMA Application (East) – TWUA 9

Water Source Number	Name/ Water Source	Latitude	Longitude	NHD ID	MTR	Sections	Activity
TWUA_9 SCO1	Unnamed Pond	67.2889	-151.3752		F029N017W	33	Water Intake
TWUA_9 SCO2	Michigan Creek	67.3308	-151.2658	I6N0Y	F029N017W	23, 24	Water Intake
TWUA_9 SCO3	Unnamed Stream	67.3111	-151.3465	C7FEN	F029N017W	28, 29, 32, 33	Water Intake
TWUA_9 SCO4	Michigan Creek	67.3157	-151.2937	I6S8C	F029N017W	23, 24, 25, 26	Water Intake

WATER USE AUTHORIZATIONS CONT. (24)

B. Water Use Activities. Complete applicable information for each source. For recycle/settling pond system complete part **C. Recycle/Settling Pond System**. For stream diversions also complete Section 29.

Geographic Name of Water Source *(Same as sources Above).* Describe the water use information for each source. For recycle/settling pond system complete Section C.	**Diversion (gpm/cfs)**	**Withdrawal Rate (gpm/pump)**	**Number of Pumps**	**Hours per Day**	**Days per Month**
1. Refer to Attached					
2.					
3.					
4.					
5.					

C. Recycle/Settling Pond System

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.

Withdrawal Rate (gpm/pump)	**Number of Pumps**	**Hours per Day**	**Days per Month**	**Additional Notes:**
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	

D. Camp Water Uses

Provide information on camp water uses. If an ADEC public drinking water system is used, please attach certificate to operate and/or associated documents.

Maximum # of People in Camp	**Withdrawal Rate (gpm/pump)**	**Number of Pumps**	**Hours per Day**	**Days per Month**	**Source(s) of Water** Well, Haul, Stream, Spring, Lake Source(s) will count towards the 5 sources identified in Section A.
24	**0.83**	1	24	31	Unnamed lake, Fairbanks, T27N, R18W, SW1/4 Sec.14, N1/2NW1/4 Sec. 23
Additional Notes:					

Roosevelt Project – APMA Application (East) – TWUA 3

Water Source Number	Name/ Water Source Stream Reaches	Diversion (gpm/cfs)	Withdrawal Rate (gpm/pump)	Number of Pumps	Hours per Day	Days per Month	# People in Camp
TWUA_3 SR_1	Michigan Creek	N/A	40 (0.09)	1	24	30/31	N/A
TWUA_3 SR_2	Michigan Creek	N/A	40 (0.09)	1	24	30/31	N/A
TWUA_3 SR_3	Unnamed Stream	N/A	40 (0.09)	1	24	30/31	N/A
TWUA_3 SR_4	Wild River	N/A	40 (0.09)	1	24	30/31	N/A
TWUA_3 SR_5	Unnamed Lake	N/A	0.83	1	24	30/31	24

Roosevelt Project – APMA Application (East) – TWUA 9

Water Source Number	Name/ Water Source Stream Reaches	Diversion (gpm/cfs)	Withdrawal Rate (gpm/pump)	Number of Pumps	Hours per Day	Days per Month
TWUA_9 SCO1	Unnamed Pond	N/A	40 (0.09)	1	24	30/31
TWUA_9 SCO2	Michigan Creek	N/A	40 (0.09)	1	24	30/31
TWUA_9 SCO3	Unnamed Stream	N/A	40 (0.09)	1	24	30/31
TWUA_9 SCO4	Michigan Creek	N/A	40 (0.09)	1	24	30/31

WATER USE AUTHORIZATIONS CONTINUED

(24)

E. Exploration Activities 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.	Is Water Needed for Exploration Trenching or Drilling?	Withdrawal Rate (gpm/pump)	Number of Pumps	Hours per Day	Days per Month	Source(s) of Water Well, Haul, Stream, Spring Lake, etc. Source(s) will count towards the 5 sources identified in Section A.
	57,600 gpd	40gpm	1	24	31	Refer to TWUA tables above and Map

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

(25)

(Operations on State Lands Only)

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 developement 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 ares of timber to be cleared.

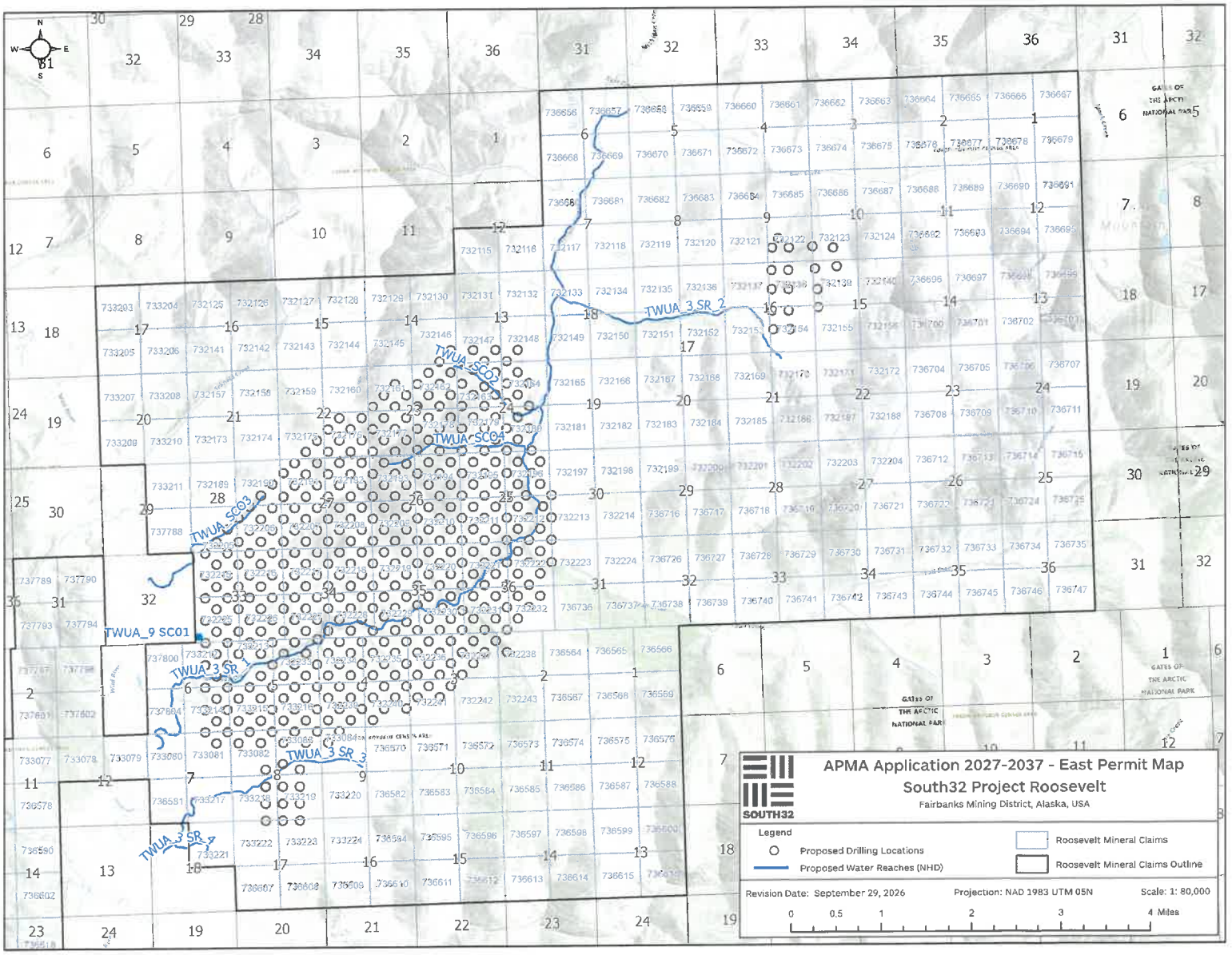
Minor vegetation clearing may be required at proposed drill pad locations or helicopter landing areas. Clearing will be limited to the minimum area neccessary for safe exploration activities.

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.

No commercial harvest is proposed and no significant timber clearing is anticipated. Vegetation disturbance will be limited to minor brush and small woody vegetation required for drill pad or helicopter pad construction.

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"


TWUA_3 SR_2
TWUA_SC02
TWUA_SC04
TWUA_SC03
TWUA_9 SC01
TWUA_3 SR_1
TWUA_3 SR_3
TWUA_3 SR
APMA Application 2027-2037 - East Permit Map
South32 Project Roosevelt
Fairbanks Mining District, Alaska, USA
SOUTH32
Legend
Proposed Drilling Locations
Proposed Water Reaches (NHD)
Roosevelt Mineral Claims
Roosevelt Mineral Claims Outline
Revision Date: September 29, 2026
Projection: NAD 1983 UTM 05N
Scale: 1: 80,000
0 0.5 1 2 3 4 Miles

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- _____- _____ , POA- _____-_____

Certification Statement

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

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.

PLAN MAP OF OPERATION *REQUIRED

Refer to map attachments

(29)

VICINITY MAP

APMA #	ADLs:

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

CROSS SECTION SKETCH *REQUIRED

BEFORE ACTIVITY (30)

DURING ACTIVITY

AFTER ACTIVITY

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 MANAGMENT 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: N/A. How long will trenches be open? N/A.

Average Size: Length: N/A Ft. Width: N/A Ft. Depth: N/A Ft.

Drilling: ☑ Yes ☐ No Type of Drill(s) Used: Boart Longyear LF™70 or similar

Total Number of Holes _____ Diameter of Drill Rod/Casing Rod HQ (NQ/HQ/H,Etc.)

Drilled: Estimated Maximum Depth: 2,900 ft Indicate how many pumps per water source: 1

Will water be used? ☑ Yes ☐ No

Water source name(s): Refer to above Section Water Use Authorizations and Attachment

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

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

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

PropDHNum	X_UTME	Y_UTMN	X_Long	Y_Lat	Elev_m	Azimuth	Dip	CASE_ID	CLAIM_NAME
RSV-22-PDH-015	580544	7470271	-151.1264916	67.33795941	1019	0	-90	ADL 732154	KING 40
RSV-22-PDH-016	581340	7471390	-151.1071953	67.34777495	967	0	-90	ADL 732123	KING 9
RSV-22-PDH-017	580351	7471567	-151.1300703	67.34963058	1086	0	-90	ADL 732122	KING 8
RSV-22-PDH-223	571490	7461210	-151.342601	67.25902802	421	0	-90	ADL 733223	JO 694
RSV-22-PDH-224	571490	7461514	-151.342413	67.2617538	420	0	-90	ADL 733219	JO 690
RSV-22-PDH-225	571490	7461819	-151.3422243	67.26448855	419	0	-90	ADL 733219	JO 690
RSV-22-PDH-226	571490	7462224	-151.3419737	67.26811994	427	0	-90	ADL 733083	JO 686
RSV-22-PDH-227	571185	7461210	-151.3496684	67.25910084	362	0	-90	ADL 733222	JO 693
RSV-22-PDH-228	571185	7461514	-151.3494812	67.26182663	370	0	-90	ADL 733218	JO 689
RSV-22-PDH-229	571185	7461819	-151.3492933	67.26456139	367	0	-90	ADL 733218	JO 689
RSV-22-PDH-230	571185	7462124	-151.3491054	67.26729615	373	0	-90	ADL 733082	JO 685
RSV-22-PDH-231	571794	7461210	-151.3355568	67.25895512	486	0	-90	ADL 733223	JO 694
RSV-22-PDH-232	571794	7461514	-151.335368	67.2616809	514	0	-90	ADL 733219	JO 690
RSV-22-PDH-233	571794	7461819	-151.3351786	67.26441564	507	0	-90	ADL 733219	JO 690
RSV-22-PDH-234	571794	7462124	-151.3349891	67.26715037	490	0	-90	ADL 733083	JO 686
RSV-22-PDH-241	581405	7471056	-151.1059208	67.34476281	1005	0	-90	ADL 732139	KING 25
RSV-22-PDH-242	580540	7470655	-151.1263152	67.34140315	1019	0	-90	ADL 732138	KING 24
RSV-22-PDH-243	580536	7470996	-151.1261688	67.34446139	1091	0	-90	ADL 732138	KING 24
RSV-22-PDH-244	580548	7471398	-151.1256075	67.34806217	1127	0	-90	ADL 732122	KING 8
RSV-22-PDH-245	581057	7470653	-151.1142971	67.34124485	1113	0	-90	ADL 732139	KING 25
RSV-22-PDH-246	581011	7471018	-151.1151088	67.34452967	997	0	-90	ADL 732139	KING 25
RSV-22-PDH-247	580967	7471414	-151.1158523	67.34809187	915	0	-90	ADL 732122	KING 8
RSV-22-PDH-248	581071	7470330	-151.1141998	67.33834528	1215	0	-90	ADL 732155	KING 41
RSV-22-PDH-249	580568	7469936	-151.1261688	67.33494955	1008	0	-90	ADL 732154	KING 40
RSV-22-PDH-250	580239	7470271	-151.1335815	67.33804179	905	0	-90	ADL 732154	KING 40
RSV-22-PDH-251	580235	7470655	-151.133406	67.34148555	982	0	-90	ADL 732138	KING 24
RSV-22-PDH-252	580231	7470996	-151.1332606	67.34454379	1101	0	-90	ADL 732138	KING 24
RSV-22-PDH-253	580243	7471398	-151.1327003	67.3481446	1201	0	-90	ADL 732122	KING 8
RSV-22-PDH-254	580263	7469936	-151.1332578	67.33503195	890	0	-90	ADL 732154	KING 40
RSV27-PDH-EAST001	570300	7464600	-151.3681114	67.28970682	305	0	-90	ADL 732225	KING 111
RSV27-PDH-EAST002	570300	7464200	-151.3683553	67.28612023	307	0	-90	ADL 733212	KING 139
RSV27-PDH-EAST003	570300	7463800	-151.3685991	67.28253364	304	0	-90	ADL 733212	KING 139
RSV27-PDH-EAST004	570300	7463400	-151.3688428	67.27894704	307	0	-90	ADL 733214	KING 141
RSV27-PDH-EAST005	570300	7463000	-151.3690864	67.27536044	303	0	-90	ADL 733214	KING 141
RSV27-PDH-EAST006	570100	7464400	-151.3728734	67.28796058	302	0	-90	ADL 733212	KING 139
RSV27-PDH-EAST007	570100	7464800	-151.3726302	67.29154718	303	0	-90	ADL 732225	KING 111
RSV27-PDH-EAST008	570100	7464000	-151.3731165	67.28437398	306	0	-90	ADL 733212	KING 139
RSV27-PDH-EAST009	570100	7463600	-151.3733595	67.28078738	303	0	-90	ADL 733214	KING 141
RSV27-PDH-EAST010	570100	7463200	-151.3736025	67.27720077	301	0	-90	ADL 733214	KING 141
RSV27-PDH-EAST011	570300	7465400	-151.3676235	67.29688	319	0	-90	ADL 732215	KING 101
RSV27-PDH-EAST012	570300	7465000	-151.3678675	67.29329341	307	0	-90	ADL 732225	KING 111
RSV27-PDH-EAST013	570100	7465200	-151.3723869	67.29513378	309	0	-90	ADL 732225	KING 111
RSV27-PDH-EAST014	570300	7465800	-151.3673794	67.30046659	359	0	-90	ADL 732215	KING 101
RSV27-PDH-EAST015	570100	7465600	-151.3721435	67.29872038	315	0	-90	ADL 732215	KING 101
RSV27-PDH-EAST016	570300	7466200	-151.3671352	67.30405317	412	0	-90	ADL 732205	KING 91
RSV27-PDH-EAST017	570100	7466000	-151.3719001	67.30230697	364	0	-90	ADL 732215	KING 101
RSV27-PDH-EAST018	570700	7464600	-151.3588308	67.2896123	341	0	-90	ADL 732225	KING 111
RSV27-PDH-EAST019	570700	7464200	-151.3590761	67.28602572	325	0	-90	ADL 733213	KING 140
RSV27-PDH-EAST021	570700	7463400	-151.3595663	67.27885256	310	0	-90	ADL 733215	KING 142
RSV27-PDH-EAST022	570700	7463000	-151.3598114	67.27526598	313	0	-90	ADL 733215	KING 142
RSV27-PDH-EAST023	570500	7464400	-151.3635934	67.28786633	319	0	-90	ADL 733212	KING 139
RSV27-PDH-EAST024	570500	7464800	-151.3633488	67.29145292	315	0	-90	ADL 732225	KING 111
RSV27-PDH-EAST025	570500	7464000	-151.3638379	67.28427975	311	0	-90	ADL 733212	KING 139
RSV27-PDH-EAST026	570500	7463600	-151.3640824	67.28069316	306	0	-90	ADL 733214	KING 141
RSV27-PDH-EAST027	570500	7463200	-151.3643267	67.27710657	307	0	-90	ADL 733214	KING 141
RSV27-PDH-EAST028	570700	7465400	-151.3583401	67.29678544	391	0	-90	ADL 732215	KING 101
RSV27-PDH-EAST029	570700	7465000	-151.3585855	67.29319887	355	0	-90	ADL 732225	KING 111
RSV27-PDH-EAST030	570500	7465200	-151.3631041	67.2950395	327	0	-90	ADL 732225	KING 111
RSV27-PDH-EAST031	570700	7465800	-151.3580946	67.30037201	449	0	-90	ADL 732216	KING 102
RSV27-PDH-EAST032	570500	7465600	-151.3628594	67.29862608	357	0	-90	ADL 732215	KING 101

RSV27-PDH-EAST033	570700	7466200	-151.3578491	67.30395858	523	0	-90	ADL	732206	KING 92
RSV27-PDH-EAST034	570500	7466000	-151.3626146	67.30221265	432	0	-90	ADL	732215	KING 101
RSV27-PDH-EAST035	571500	7464600	-151.3402699	67.28942164	394	0	-90	ADL	732226	KING 112
RSV27-PDH-EAST036	571500	7464200	-151.3405179	67.28583509	320	0	-90	ADL	732233	KING 119
RSV27-PDH-EAST037	571500	7463800	-151.3407658	67.28224855	366	0	-90	ADL	732233	KING 119
RSV27-PDH-EAST038	571500	7463400	-151.3410137	67.278662	373	0	-90	ADL	733216	KING 143
RSV27-PDH-EAST039	571500	7463000	-151.3412615	67.27507546	378	0	-90	ADL	733216	KING 143
RSV27-PDH-EAST040	571300	7464400	-151.3450338	67.28767623	362	0	-90	ADL	733213	KING 140
RSV27-PDH-EAST041	571300	7464800	-151.3447864	67.29126278	423	0	-90	ADL	732226	KING 112
RSV27-PDH-EAST042	571300	7464000	-151.3452811	67.28408968	313	0	-90	ADL	733213	KING 140
RSV27-PDH-EAST043	571300	7463600	-151.3455283	67.28050312	349	0	-90	ADL	733215	KING 142
RSV27-PDH-EAST044	571300	7463200	-151.3457754	67.27691657	354	0	-90	ADL	733215	KING 142
RSV27-PDH-EAST045	571500	7465400	-151.3397736	67.29659471	615	0	-90	ADL	732216	KING 102
RSV27-PDH-EAST046	571500	7465000	-151.3400218	67.29300818	491	0	-90	ADL	732226	KING 112
RSV27-PDH-EAST047	571300	7465200	-151.344539	67.29484932	523	0	-90	ADL	732226	KING 112
RSV27-PDH-EAST048	571500	7465800	-151.3395254	67.30018125	763	0	-90	ADL	732217	KING 103
RSV27-PDH-EAST049	571300	7465600	-151.3442914	67.29843587	655	0	-90	ADL	732216	KING 102
RSV27-PDH-EAST050	571500	7466200	-151.339277	67.30376778	906	0	-90	ADL	732207	KING 93
RSV27-PDH-EAST051	571300	7466000	-151.3440438	67.30202241	752	0	-90	ADL	732216	KING 102
RSV27-PDH-EAST052	571100	7464600	-151.3495503	67.28951723	379	0	-90	ADL	732226	KING 112
RSV27-PDH-EAST053	571100	7464200	-151.349797	67.28593068	337	0	-90	ADL	733213	KING 140
RSV27-PDH-EAST054	571100	7463800	-151.3500435	67.28234411	338	0	-90	ADL	733213	KING 140
RSV27-PDH-EAST055	571100	7463400	-151.35029	67.27875755	333	0	-90	ADL	733215	KING 142
RSV27-PDH-EAST056	571100	7463000	-151.3505364	67.27517099	336	0	-90	ADL	733215	KING 142
RSV27-PDH-EAST057	570900	7464400	-151.3543136	67.28777155	351	0	-90	ADL	733213	KING 140
RSV27-PDH-EAST058	570900	7464800	-151.3540676	67.29135811	384	0	-90	ADL	732226	KING 112
RSV27-PDH-EAST060	570900	7463600	-151.3548053	67.28059841	316	0	-90	ADL	733215	KING 142
RSV27-PDH-EAST061	570900	7463200	-151.355051	67.27701184	321	0	-90	ADL	733215	KING 142
RSV27-PDH-EAST062	571100	7465400	-151.3490568	67.29669035	522	0	-90	ADL	732216	KING 102
RSV27-PDH-EAST063	571100	7465000	-151.3493036	67.29310379	444	0	-90	ADL	732226	KING 112
RSV27-PDH-EAST064	570900	7465200	-151.3538215	67.29494468	432	0	-90	ADL	732226	KING 112
RSV27-PDH-EAST065	571100	7465800	-151.3488099	67.3002769	614	0	-90	ADL	732216	KING 102
RSV27-PDH-EAST066	570900	7465600	-151.3535754	67.29853124	490	0	-90	ADL	732216	KING 102
RSV27-PDH-EAST067	571100	7466200	-151.348563	67.30386345	682	0	-90	ADL	732206	KING 92
RSV27-PDH-EAST068	570900	7466000	-151.3533292	67.3021178	565	0	-90	ADL	732216	KING 102
RSV27-PDH-EAST069	572300	7464600	-151.3217093	67.28922883	352	0	-90	ADL	732227	KING 113
RSV27-PDH-EAST070	572300	7464200	-151.32196	67.28564233	354	0	-90	ADL	732234	KING 120
RSV27-PDH-EAST071	572300	7463800	-151.3222108	67.28205581	438	0	-90	ADL	732234	KING 120
RSV27-PDH-EAST072	572300	7463400	-151.3224614	67.2784693	496	0	-90	ADL	732239	KING 125
RSV27-PDH-EAST073	572300	7463000	-151.3227119	67.27488279	564	0	-90	ADL	732239	KING 125
RSV27-PDH-EAST074	572100	7464450	-151.3264432	67.28793229	320	0	-90	ADL	732233	KING 119
RSV27-PDH-EAST075	572100	7464800	-151.3262243	67.29107049	433	0	-90	ADL	732227	KING 113
RSV27-PDH-EAST076	572100	7464000	-151.3267245	67.28389746	398	0	-90	ADL	732233	KING 119
RSV27-PDH-EAST077	572100	7463600	-151.3269745	67.28031094	434	0	-90	ADL	733216	KING 143
RSV27-PDH-EAST078	572100	7463200	-151.3272244	67.27672442	485	0	-90	ADL	733216	KING 143
RSV27-PDH-EAST079	572300	7465400	-151.3212074	67.29640184	596	0	-90	ADL	732217	KING 103
RSV27-PDH-EAST080	572300	7465000	-151.3214584	67.29281534	482	0	-90	ADL	732227	KING 113
RSV27-PDH-EAST081	572100	7465200	-151.3259741	67.29465701	551	0	-90	ADL	732227	KING 113
RSV27-PDH-EAST082	572300	7465800	-151.3209564	67.29998835	684	0	-90	ADL	732217	KING 103
RSV27-PDH-EAST083	572100	7465600	-151.3257238	67.29824352	659	0	-90	ADL	732217	KING 103
RSV27-PDH-EAST084	572300	7466200	-151.3207053	67.30357485	859	0	-90	ADL	732208	KING 94
RSV27-PDH-EAST085	572100	7466000	-151.3254734	67.30183003	831	0	-90	ADL	732217	KING 103
RSV27-PDH-EAST086	573100	7464600	-151.303149	67.28903389	348	0	-90	ADL	732228	KING 114
RSV27-PDH-EAST087	573100	7464200	-151.3034025	67.28544741	446	0	-90	ADL	732235	KING 121
RSV27-PDH-EAST088	573100	7463800	-151.303656	67.28186094	521	0	-90	ADL	732235	KING 121
RSV27-PDH-EAST089	573100	7463400	-151.3039094	67.27827446	582	0	-90	ADL	732240	KING 126
RSV27-PDH-EAST090	573100	7463000	-151.3041627	67.27468798	670	0	-90	ADL	732240	KING 126
RSV27-PDH-EAST091	572900	7464400	-151.3079154	67.28728958	383	0	-90	ADL	732234	KING 120
RSV27-PDH-EAST092	572900	7464800	-151.3076625	67.29087607	345	0	-90	ADL	732228	KING 114
RSV27-PDH-EAST093	572900	7464000	-151.3081683	67.2837031	471	0	-90	ADL	732234	KING 120
RSV27-PDH-EAST094	572900	7463600	-151.308421	67.28011661	537	0	-90	ADL	732239	KING 125

RSV27-PDH-EAST095	572900	7463200	-151.3086737	67.27653013	611	0	-90	ADL	732239	KING 125
RSV27-PDH-EAST096	573100	7465400	-151.3026416	67.29620683	563	0	-90	ADL	732218	KING 104
RSV27-PDH-EAST097	573100	7465000	-151.3028953	67.29262036	455	0	-90	ADL	732228	KING 114
RSV27-PDH-EAST098	572900	7465200	-151.3074095	67.29446254	502	0	-90	ADL	732228	KING 114
RSV27-PDH-EAST099	573100	7465800	-151.3023878	67.2997933	682	0	-90	ADL	732218	KING 104
RSV27-PDH-EAST100	572900	7465600	-151.3071565	67.29804902	624	0	-90	ADL	732218	KING 104
RSV27-PDH-EAST101	573100	7466200	-151.3021339	67.30337976	879	0	-90	ADL	732209	KING 95
RSV27-PDH-EAST102	572900	7466000	-151.3069033	67.3016355	787	0	-90	ADL	732218	KING 104
RSV27-PDH-EAST103	572700	7464600	-151.3124291	67.28913163	398	0	-90	ADL	732228	KING 114
RSV27-PDH-EAST104	572700	7464200	-151.3126812	67.28554514	389	0	-90	ADL	732234	KING 120
RSV27-PDH-EAST105	572700	7463800	-151.3129333	67.28195864	485	0	-90	ADL	732234	KING 120
RSV27-PDH-EAST106	572700	7463400	-151.3131853	67.27837215	544	0	-90	ADL	732239	KING 125
RSV27-PDH-EAST107	572700	7463000	-151.3134373	67.27478565	638	0	-90	ADL	732239	KING 125
RSV27-PDH-EAST108	572500	7464400	-151.3171949	67.28738705	378	0	-90	ADL	732234	KING 120
RSV27-PDH-EAST109	572500	7464800	-151.3169434	67.29097355	400	0	-90	ADL	732228	KING 114
RSV27-PDH-EAST110	572500	7464000	-151.3174463	67.28380055	418	0	-90	ADL	732234	KING 120
RSV27-PDH-EAST111	572500	7463600	-151.3176977	67.28021404	493	0	-90	ADL	732239	KING 125
RSV27-PDH-EAST112	572500	7463200	-151.317949	67.27662754	567	0	-90	ADL	732239	KING 125
RSV27-PDH-EAST113	572700	7465400	-151.3119245	67.2963046	544	0	-90	ADL	732218	KING 104
RSV27-PDH-EAST114	572700	7465000	-151.3121768	67.29271812	462	0	-90	ADL	732228	KING 114
RSV27-PDH-EAST115	572500	7465200	-151.3166918	67.29456004	527	0	-90	ADL	732228	KING 114
RSV27-PDH-EAST116	572700	7465800	-151.3116721	67.29989109	634	0	-90	ADL	732218	KING 104
RSV27-PDH-EAST117	572500	7465600	-151.3164401	67.29814654	604	0	-90	ADL	732218	KING 104
RSV27-PDH-EAST118	572700	7466200	-151.3114196	67.30347757	780	0	-90	ADL	732208	KING 94
RSV27-PDH-EAST119	572500	7466000	-151.3161883	67.30173303	713	0	-90	ADL	732218	KING 104
RSV27-PDH-EAST120	571900	7464600	-151.3309895	67.2893255	406	0	-90	ADL	732227	KING 113
RSV27-PDH-EAST121	571900	7464200	-151.3312389	67.28573898	329	0	-90	ADL	732233	KING 119
RSV27-PDH-EAST122	571900	7463800	-151.3314883	67.28215245	398	0	-90	ADL	732233	KING 119
RSV27-PDH-EAST123	571900	7463400	-151.3317375	67.27856592	422	0	-90	ADL	733216	KING 143
RSV27-PDH-EAST124	571900	7463000	-151.3319867	67.27497939	478	0	-90	ADL	733216	KING 143
RSV27-PDH-EAST125	571700	7464400	-151.3357541	67.28758037	377	0	-90	ADL	732233	KING 119
RSV27-PDH-EAST126	571700	7464800	-151.3355053	67.2911669	440	0	-90	ADL	732227	KING 113
RSV27-PDH-EAST127	571700	7464000	-151.3360027	67.28399384	370	0	-90	ADL	732233	KING 119
RSV27-PDH-EAST128	571700	7463600	-151.3362513	67.2804073	384	0	-90	ADL	733216	KING 143
RSV27-PDH-EAST129	571700	7463200	-151.3364998	67.27682076	399	0	-90	ADL	733216	KING 143
RSV27-PDH-EAST130	571900	7465400	-151.3304905	67.29649855	622	0	-90	ADL	732217	KING 103
RSV27-PDH-EAST131	571900	7465000	-151.33074	67.29291203	495	0	-90	ADL	732227	KING 113
RSV27-PDH-EAST132	571700	7465200	-151.3352565	67.29475343	557	0	-90	ADL	732227	KING 113
RSV27-PDH-EAST133	571900	7465800	-151.3302408	67.30008507	750	0	-90	ADL	732217	KING 103
RSV27-PDH-EAST134	571700	7465600	-151.3350076	67.29833996	704	0	-90	ADL	732217	KING 103
RSV27-PDH-EAST135	571900	7466200	-151.3299911	67.30367158	961	0	-90	ADL	732207	KING 93
RSV27-PDH-EAST136	571700	7466000	-151.3347586	67.30192649	852	0	-90	ADL	732217	KING 103
RSV27-PDH-EAST137	573900	7464600	-151.284589	67.2888368	438	0	-90	ADL	732229	KING 115
RSV27-PDH-EAST138	573900	7464200	-151.2848453	67.28525036	529	0	-90	ADL	732236	KING 122
RSV27-PDH-EAST139	573900	7463800	-151.2851016	67.28166392	616	0	-90	ADL	732236	KING 122
RSV27-PDH-EAST140	573900	7463400	-151.2853577	67.27807747	658	0	-90	ADL	732241	KING 127
RSV27-PDH-EAST141	573700	7464400	-151.2893568	67.28709305	476	0	-90	ADL	732235	KING 121
RSV27-PDH-EAST142	573700	7464750	-151.2891331	67.29023119	345	0	-90	ADL	732229	KING 115
RSV27-PDH-EAST143	573700	7464000	-151.2896124	67.2835066	534	0	-90	ADL	732235	KING 121
RSV27-PDH-EAST144	573700	7463600	-151.2898679	67.27992015	573	0	-90	ADL	732240	KING 126
RSV27-PDH-EAST145	573700	7463200	-151.2901233	67.27633369	658	0	-90	ADL	732240	KING 126
RSV27-PDH-EAST146	573900	7465400	-151.2840761	67.29600967	497	0	-90	ADL	732219	KING 105
RSV27-PDH-EAST147	573900	7465050	-151.2843005	67.29287154	348	0	-90	ADL	732229	KING 115
RSV27-PDH-EAST148	573700	7465200	-151.2888453	67.29426594	459	0	-90	ADL	732229	KING 115
RSV27-PDH-EAST149	573900	7465800	-151.2838195	67.2995961	577	0	-90	ADL	732219	KING 105
RSV27-PDH-EAST150	573700	7465600	-151.2885895	67.29785238	577	0	-90	ADL	732219	KING 105
RSV27-PDH-EAST151	573900	7466200	-151.2835628	67.30318254	658	0	-90	ADL	732210	KING 96
RSV27-PDH-EAST152	573700	7466000	-151.2883336	67.30143882	679	0	-90	ADL	732219	KING 105
RSV27-PDH-EAST153	574700	7464600	-151.2660293	67.28863757	474	0	-90	ADL	732230	KING 116
RSV27-PDH-EAST154	574700	7464200	-151.2662884	67.28505116	546	0	-90	ADL	732237	KING 123
RSV27-PDH-EAST155	574700	7463800	-151.2665474	67.28146475	614	0	-90	ADL	732237	KING 123

RSV27-PDH-EAST156	574500	7464400	-151.2707984	67.28689437	507	0	-90	ADL	732236	KING	122
RSV27-PDH-EAST157	574500	7464800	-151.27054	67.29048078	438	0	-90	ADL	732230	KING	116
RSV27-PDH-EAST158	574500	7464000	-151.2710568	67.28330795	605	0	-90	ADL	732236	KING	122
RSV27-PDH-EAST159	574500	7463600	-151.2713151	67.27972154	670	0	-90	ADL	732241	KING	127
RSV27-PDH-EAST160	574700	7465400	-151.2655109	67.29581037	410	0	-90	ADL	732220	KING	106
RSV27-PDH-EAST161	574700	7464950	-151.2658026	67.29177567	369	0	-90	ADL	732230	KING	116
RSV27-PDH-EAST162	574500	7465200	-151.2702814	67.29406719	396	0	-90	ADL	732230	KING	116
RSV27-PDH-EAST163	574700	7465800	-151.2652515	67.29939677	484	0	-90	ADL	732220	KING	106
RSV27-PDH-EAST164	574500	7465600	-151.2700228	67.2976536	484	0	-90	ADL	732220	KING	106
RSV27-PDH-EAST165	574700	7466200	-151.2649921	67.30298316	561	0	-90	ADL	732210	KING	96
RSV27-PDH-EAST166	574500	7466000	-151.2697641	67.30124001	572	0	-90	ADL	732220	KING	106
RSV27-PDH-EAST167	574300	7464600	-151.2753091	67.28873745	468	0	-90	ADL	732230	KING	116
RSV27-PDH-EAST168	574300	7464200	-151.2755668	67.28515103	559	0	-90	ADL	732236	KING	122
RSV27-PDH-EAST169	574300	7463800	-151.2758245	67.2815646	652	0	-90	ADL	732236	KING	122
RSV27-PDH-EAST170	574300	7463400	-151.276082	67.27797818	705	0	-90	ADL	732241	KING	127
RSV27-PDH-EAST171	574100	7464400	-151.2800776	67.28699398	504	0	-90	ADL	732236	KING	122
RSV27-PDH-EAST172	574100	7464800	-151.2798205	67.29058041	403	0	-90	ADL	732230	KING	116
RSV27-PDH-EAST173	574100	7464000	-151.2803345	67.28340754	609	0	-90	ADL	732236	KING	122
RSV27-PDH-EAST174	574100	7463600	-151.2805914	67.27982111	677	0	-90	ADL	732241	KING	127
RSV27-PDH-EAST175	574300	7465400	-151.2747934	67.29591029	424	0	-90	ADL	732220	KING	106
RSV27-PDH-EAST176	574350	7465000	-151.2738912	67.29231141	360	0	-90	ADL	732230	KING	116
RSV27-PDH-EAST177	574100	7465200	-151.2795633	67.29416683	429	0	-90	ADL	732230	KING	116
RSV27-PDH-EAST178	574300	7465800	-151.2745355	67.2994967	539	0	-90	ADL	732220	KING	106
RSV27-PDH-EAST179	574100	7465600	-151.2793061	67.29775326	502	0	-90	ADL	732220	KING	106
RSV27-PDH-EAST180	574300	7466200	-151.2742774	67.30308312	629	0	-90	ADL	732210	KING	96
RSV27-PDH-EAST181	574100	7466000	-151.2790488	67.30133968	561	0	-90	ADL	732220	KING	106
RSV27-PDH-EAST182	575500	7464600	-151.24747	67.28843619	498	0	-90	ADL	732231	KING	117
RSV27-PDH-EAST183	575500	7464200	-151.2477319	67.28484982	481	0	-90	ADL	732238	KING	124
RSV27-PDH-EAST184	575300	7464400	-151.2522404	67.28669355	502	0	-90	ADL	732237	KING	123
RSV27-PDH-EAST185	575300	7464800	-151.2519792	67.29027992	475	0	-90	ADL	732231	KING	117
RSV27-PDH-EAST186	575500	7465400	-151.246946	67.29560892	452	0	-90	ADL	732221	KING	107
RSV27-PDH-EAST187	575500	7465000	-151.2472081	67.29202256	524	0	-90	ADL	732231	KING	117
RSV27-PDH-EAST188	575300	7465200	-151.2517179	67.2938663	463	0	-90	ADL	732231	KING	117
RSV27-PDH-EAST189	575500	7465800	-151.2466839	67.29919529	391	0	-90	ADL	732221	KING	107
RSV27-PDH-EAST190	575300	7465600	-151.2514565	67.29745267	403	0	-90	ADL	732221	KING	107
RSV27-PDH-EAST191	575500	7466200	-151.2464217	67.30278165	424	0	-90	ADL	732211	KING	97
RSV27-PDH-EAST192	575300	7466000	-151.251195	67.30103904	454	0	-90	ADL	732221	KING	107
RSV27-PDH-EAST193	576100	7465200	-151.2331547	67.29366326	550	0	-90	ADL	732232	KING	118
RSV27-PDH-EAST194	576300	7465800	-151.2281166	67.29899166	400	0	-90	ADL	732222	KING	108
RSV27-PDH-EAST195	576100	7465600	-151.2328905	67.2972496	476	0	-90	ADL	732222	KING	108
RSV27-PDH-EAST196	576300	7466200	-151.2278517	67.30257799	481	0	-90	ADL	732212	KING	98
RSV27-PDH-EAST197	576100	7466000	-151.2326263	67.30083594	431	0	-90	ADL	732222	KING	108
RSV27-PDH-EAST198	575700	7464800	-151.2426989	67.29017869	570	0	-90	ADL	732232	KING	118
RSV27-PDH-EAST199	575900	7465400	-151.2376637	67.2955074	494	0	-90	ADL	732222	KING	108
RSV27-PDH-EAST200	575900	7465000	-151.2379272	67.29192105	562	0	-90	ADL	732232	KING	118
RSV27-PDH-EAST201	575700	7465200	-151.2424363	67.29376505	516	0	-90	ADL	732232	KING	118
RSV27-PDH-EAST202	575900	7465800	-151.2374002	67.29909374	435	0	-90	ADL	732222	KING	108
RSV27-PDH-EAST203	575700	7465600	-151.2421735	67.2973514	444	0	-90	ADL	732222	KING	108
RSV27-PDH-EAST204	575900	7466200	-151.2371366	67.30268008	421	0	-90	ADL	732212	KING	98
RSV27-PDH-EAST205	575700	7466000	-151.2419106	67.30093776	422	0	-90	ADL	732222	KING	108
RSV27-PDH-EAST206	575100	7464600	-151.2567496	67.28853715	472	0	-90	ADL	732231	KING	117
RSV27-PDH-EAST207	575100	7464200	-151.2570101	67.28495076	557	0	-90	ADL	732237	KING	123
RSV27-PDH-EAST208	574900	7464400	-151.2615194	67.28679423	485	0	-90	ADL	732237	KING	123
RSV27-PDH-EAST209	574900	7464800	-151.2612596	67.29038062	407	0	-90	ADL	732231	KING	117
RSV27-PDH-EAST210	574900	7464000	-151.2617791	67.28320783	573	0	-90	ADL	732237	KING	123
RSV27-PDH-EAST211	575100	7465400	-151.2562284	67.29570991	413	0	-90	ADL	732221	KING	107
RSV27-PDH-EAST212	575100	7465000	-151.2564891	67.29212353	459	0	-90	ADL	732231	KING	117
RSV27-PDH-EAST213	574900	7465200	-151.2609996	67.29396701	407	0	-90	ADL	732231	KING	117
RSV27-PDH-EAST214	575100	7465800	-151.2559677	67.29929629	418	0	-90	ADL	732221	KING	107
RSV27-PDH-EAST215	574900	7465600	-151.2607396	67.2975534	431	0	-90	ADL	732221	KING	107
RSV27-PDH-EAST216	575100	7466200	-151.2557069	67.30288267	511	0	-90	ADL	732211	KING	97

RSV27-PDH-EAST217	574900	7466000	-151.2604795	67.30113979	503	0	-90	ADL	732221	KING 107
RSV27-PDH-EAST218	573500	7464600	-151.2938689	67.28893561	404	0	-90	ADL	732229	KING 115
RSV27-PDH-EAST219	573500	7464200	-151.2941239	67.28534915	492	0	-90	ADL	732235	KING 121
RSV27-PDH-EAST220	573500	7463800	-151.2943787	67.28176269	521	0	-90	ADL	732235	KING 121
RSV27-PDH-EAST221	573500	7463400	-151.2946335	67.27817623	577	0	-90	ADL	732240	KING 126
RSV27-PDH-EAST222	573300	7464400	-151.2986361	67.28719158	432	0	-90	ADL	732235	KING 121
RSV27-PDH-EAST223	573300	7464850	-151.29835	67.29122636	352	0	-90	ADL	732229	KING 115
RSV27-PDH-EAST224	573300	7464000	-151.2988903	67.28360512	487	0	-90	ADL	732235	KING 121
RSV27-PDH-EAST225	573300	7463600	-151.2991444	67.28001865	556	0	-90	ADL	732240	KING 126
RSV27-PDH-EAST226	573300	7463200	-151.2993984	67.27643218	636	0	-90	ADL	732240	KING 126
RSV27-PDH-EAST227	573500	7465400	-151.2933588	67.29610852	536	0	-90	ADL	732219	KING 105
RSV27-PDH-EAST228	573500	7465000	-151.2936139	67.29252207	417	0	-90	ADL	732229	KING 115
RSV27-PDH-EAST229	573300	7465200	-151.2981274	67.29436451	495	0	-90	ADL	732229	KING 115
RSV27-PDH-EAST230	573500	7465800	-151.2931036	67.29969497	667	0	-90	ADL	732219	KING 105
RSV27-PDH-EAST231	573300	7465600	-151.2978729	67.29795097	610	0	-90	ADL	732219	KING 105
RSV27-PDH-EAST232	573500	7466200	-151.2928483	67.30328142	827	0	-90	ADL	732209	KING 95
RSV27-PDH-EAST233	573300	7466000	-151.2976184	67.30153743	752	0	-90	ADL	732219	KING 105
RSV27-PDH-EAST234	570700	7462600	-151.3600563	67.2716794	311	0	-90	ADL	733082	JO 685
RSV27-PDH-EAST235	570500	7462800	-151.364571	67.27351998	306	0	-90	ADL	733081	JO 684
RSV27-PDH-EAST236	571500	7462600	-151.3415092	67.27148891	426	0	-90	ADL	733083	JO 686
RSV27-PDH-EAST237	571300	7462800	-151.3460224	67.27333001	360	0	-90	ADL	733082	JO 685
RSV27-PDH-EAST238	571100	7462600	-151.3507827	67.27158442	342	0	-90	ADL	733082	JO 685
RSV27-PDH-EAST239	570900	7462800	-151.3552967	67.27342526	322	0	-90	ADL	733082	JO 685
RSV27-PDH-EAST240	572300	7462600	-151.3229624	67.27129627	714	0	-90	ADL	733084	JO 687
RSV27-PDH-EAST241	572100	7462800	-151.3274742	67.27313789	583	0	-90	ADL	733083	JO 686
RSV27-PDH-EAST242	572500	7462800	-151.3182002	67.27304103	682	0	-90	ADL	733084	JO 687
RSV27-PDH-EAST243	571900	7462600	-151.3322357	67.27139286	549	0	-90	ADL	733083	JO 686
RSV27-PDH-EAST244	571700	7462800	-151.3367483	67.27323422	453	0	-90	ADL	733083	JO 686
RSV27-PDH-EAST245	570300	7462600	-151.36933	67.27177384	301	0	-90	ADL	733081	JO 684
RSV27-PDH-EAST246	570100	7462800	-151.3738454	67.27361417	300	0	-90	ADL	733214	KING 141
RSV27-PDH-EAST247	570700	7466625	-151.3575881	67.3077693	510	0	-90	ADL	732206	KING 92
RSV27-PDH-EAST248	570500	7466425	-151.3623543	67.30602339	444	0	-90	ADL	732205	KING 91
RSV27-PDH-EAST249	571500	7467425	-151.338516	67.31475153	759	0	-90	ADL	732191	KING 77
RSV27-PDH-EAST250	571500	7467000	-151.3387801	67.31094084	705	0	-90	ADL	732191	KING 77
RSV27-PDH-EAST251	571500	7466600	-151.3390286	67.30735432	823	0	-90	ADL	732207	KING 93
RSV27-PDH-EAST252	571300	7467225	-151.343285	67.31300619	670	0	-90	ADL	732190	KING 76
RSV27-PDH-EAST253	571300	7466800	-151.3435484	67.30919549	685	0	-90	ADL	732206	KING 92
RSV27-PDH-EAST254	571300	7466400	-151.3437961	67.30560895	768	0	-90	ADL	732206	KING 92
RSV27-PDH-EAST255	571100	7467025	-151.3480534	67.3112607	600	0	-90	ADL	732190	KING 76
RSV27-PDH-EAST256	571100	7466600	-151.348316	67.30745	633	0	-90	ADL	732206	KING 92
RSV27-PDH-EAST257	570900	7466825	-151.3528211	67.30951507	574	0	-90	ADL	732206	KING 92
RSV27-PDH-EAST258	570900	7466400	-151.3530829	67.30570436	598	0	-90	ADL	732206	KING 92
RSV27-PDH-EAST259	572300	7467400	-151.3199515	67.31433433	965	0	-90	ADL	732192	KING 78
RSV27-PDH-EAST260	572300	7467000	-151.3202028	67.31074784	1137	0	-90	ADL	732192	KING 78
RSV27-PDH-EAST261	572300	7466600	-151.3204541	67.30716134	1058	0	-90	ADL	732208	KING 94
RSV27-PDH-EAST262	572100	7467200	-151.3247218	67.31258954	1030	0	-90	ADL	732191	KING 77
RSV27-PDH-EAST263	572100	7467600	-151.3244711	67.31617604	931	0	-90	ADL	732191	KING 77
RSV27-PDH-EAST264	572100	7466800	-151.3249724	67.30900304	1066	0	-90	ADL	732207	KING 93
RSV27-PDH-EAST265	572100	7466400	-151.3252229	67.30541653	1016	0	-90	ADL	732207	KING 93
RSV27-PDH-EAST266	572300	7468200	-151.3194485	67.32150731	760	0	-90	ADL	732176	KING 62
RSV27-PDH-EAST267	572300	7467800	-151.3197	67.31792082	816	0	-90	ADL	732176	KING 62
RSV27-PDH-EAST268	572100	7468000	-151.3242203	67.31976254	811	0	-90	ADL	732175	KING 61
RSV27-PDH-EAST269	573100	7467400	-151.3013717	67.31413915	1172	0	-90	ADL	732193	KING 79
RSV27-PDH-EAST270	573100	7467000	-151.3016259	67.31055269	1144	0	-90	ADL	732193	KING 79
RSV27-PDH-EAST271	573100	7466600	-151.3018799	67.30696623	1066	0	-90	ADL	732209	KING 95
RSV27-PDH-EAST272	572900	7467200	-151.3061434	67.31239491	1277	0	-90	ADL	732192	KING 78
RSV27-PDH-EAST273	572900	7467600	-151.3058899	67.31598138	1089	0	-90	ADL	732192	KING 78
RSV27-PDH-EAST274	572900	7466800	-151.3063968	67.30880844	1139	0	-90	ADL	732208	KING 94
RSV27-PDH-EAST275	572900	7466400	-151.3066501	67.30522197	932	0	-90	ADL	732208	KING 94
RSV27-PDH-EAST276	573100	7468200	-151.3008632	67.32131206	969	0	-90	ADL	732177	KING 63
RSV27-PDH-EAST277	573100	7467800	-151.3011175	67.3177256	1160	0	-90	ADL	732177	KING 63

RSV27-PDH-EAST278	572900	7468000	-151.3056363	67.31956784	1093	0	-90	ADL 732176	KING 62	
RSV27-PDH-EAST279	573100	7468600	-151.3006088	67.32489851	858	0	-90	ADL 732161	KING 47	
RSV27-PDH-EAST280	572900	7468400	-151.3053827	67.32315431	943	0	-90	ADL 732176	KING 62	
RSV27-PDH-EAST281	572700	7467400	-151.3106616	67.31423701	1080	0	-90	ADL 732192	KING 78	
RSV27-PDH-EAST282	572700	7467000	-151.3109143	67.31065053	1217	0	-90	ADL 732192	KING 78	
RSV27-PDH-EAST283	572700	7466600	-151.311167	67.30706405	989	0	-90	ADL 732208	KING 94	
RSV27-PDH-EAST284	572500	7467200	-151.3154325	67.3124925	1122	0	-90	ADL 732192	KING 78	
RSV27-PDH-EAST285	572500	7467600	-151.3151804	67.31607898	919	0	-90	ADL 732192	KING 78	
RSV27-PDH-EAST286	572500	7466800	-151.3156845	67.30890601	1128	0	-90	ADL 732208	KING 94	
RSV27-PDH-EAST287	572500	7466400	-151.3159365	67.30531952	911	0	-90	ADL 732208	KING 94	
RSV27-PDH-EAST288	572700	7468200	-151.3101558	67.32140996	939	0	-90	ADL 732176	KING 62	
RSV27-PDH-EAST289	572700	7467800	-151.3104087	67.31782348	919	0	-90	ADL 732176	KING 62	
RSV27-PDH-EAST290	572500	7468000	-151.3149283	67.31966546	841	0	-90	ADL 732176	KING 62	
RSV27-PDH-EAST291	572500	7468400	-151.314676	67.32325194	858	0	-90	ADL 732176	KING 62	
RSV27-PDH-EAST292	571900	7467400	-151.3292414	67.31443112	939	0	-90	ADL 732191	KING 77	
RSV27-PDH-EAST293	571900	7467000	-151.3294914	67.31084461	876	0	-90	ADL 732191	KING 77	
RSV27-PDH-EAST294	571900	7466600	-151.3297413	67.3072581	1016	0	-90	ADL 732207	KING 93	
RSV27-PDH-EAST295	571700	7467200	-151.3340111	67.31268605	822	0	-90	ADL 732191	KING 77	
RSV27-PDH-EAST296	571700	7467600	-151.3337618	67.31627257	881	0	-90	ADL 732191	KING 77	
RSV27-PDH-EAST297	571700	7466800	-151.3342603	67.30909953	823	0	-90	ADL 732207	KING 93	
RSV27-PDH-EAST298	571700	7466400	-151.3345095	67.30551301	996	0	-90	ADL 732207	KING 93	
RSV27-PDH-EAST299	571900	7467800	-151.3289914	67.31801763	902	0	-90	ADL 732175	KING 61	
RSV27-PDH-EAST300	573900	7467400	-151.2827923	67.31394182	929	0	-90	ADL 732194	KING 80	
RSV27-PDH-EAST301	573900	7467000	-151.2830493	67.31035539	905	0	-90	ADL 732194	KING 80	
RSV27-PDH-EAST302	573900	7466600	-151.2833061	67.30676896	704	0	-90	ADL 732210	KING 96	
RSV27-PDH-EAST303	573700	7467200	-151.2875653	67.31219813	1010	0	-90	ADL 732193	KING 79	
RSV27-PDH-EAST304	573700	7467575	-151.287325	67.31556041	850	0	-90	ADL 732193	KING 79	
RSV27-PDH-EAST305	573700	7466800	-151.2878215	67.3086117	784	0	-90	ADL 732209	KING 95	
RSV27-PDH-EAST306	573700	7466400	-151.2880775	67.30502526	779	0	-90	ADL 732209	KING 95	
RSV27-PDH-EAST307	573900	7468200	-151.2822783	67.32111466	882	0	-90	ADL 732178	KING 64	
RSV27-PDH-EAST308	573900	7467825	-151.2825193	67.31775239	761	0	-90	ADL 732178	KING 64	
RSV27-PDH-EAST309	573700	7468000	-151.2870527	67.319371	932	0	-90	ADL 732177	KING 63	
RSV27-PDH-EAST310	573900	7468600	-151.2820211	67.32470108	819	0	-90	ADL 732162	KING 48	
RSV27-PDH-EAST311	573700	7468400	-151.2867962	67.32295742	917	0	-90	ADL 732177	KING 63	
RSV27-PDH-EAST312	573900	7469000	-151.2817639	67.32828749	669	0	-90	ADL 732162	KING 48	
RSV27-PDH-EAST313	573700	7468800	-151.2865397	67.32654385	723	0	-90	ADL 732161	KING 47	
RSV27-PDH-EAST314	574700	7467400	-151.2642133	67.31374234	637	0	-90	ADL 732195	KING 81	
RSV27-PDH-EAST315	574700	7467000	-151.264473	67.31015595	622	0	-90	ADL 732195	KING 81	
RSV27-PDH-EAST316	574700	7466600	-151.2647326	67.30656956	582	0	-90	ADL 732211	KING 97	
RSV27-PDH-EAST317	574500	7467200	-151.2689875	67.31199921	709	0	-90	ADL 732194	KING 80	
RSV27-PDH-EAST318	574500	7467600	-151.2687285	67.31558561	672	0	-90	ADL 732194	KING 80	
RSV27-PDH-EAST319	574500	7466800	-151.2692465	67.30841281	686	0	-90	ADL 732210	KING 96	
RSV27-PDH-EAST320	574500	7466400	-151.2695053	67.30482641	623	0	-90	ADL 732210	KING 96	
RSV27-PDH-EAST321	574700	7468200	-151.2636937	67.32091511	667	0	-90	ADL 732179	KING 65	
RSV27-PDH-EAST322	574700	7467800	-151.2639535	67.31732873	592	0	-90	ADL 732179	KING 65	
RSV27-PDH-EAST323	574500	7468000	-151.2684694	67.319172	694	0	-90	ADL 732178	KING 64	
RSV27-PDH-EAST324	574700	7468600	-151.2634337	67.3245015	680	0	-90	ADL 732163	KING 49	
RSV27-PDH-EAST325	574500	7468400	-151.2682102	67.3227584	796	0	-90	ADL 732178	KING 64	
RSV27-PDH-EAST326	574700	7469000	-151.2631737	67.32808788	632	0	-90	ADL 732163	KING 49	
RSV27-PDH-EAST327	574500	7468800	-151.2679509	67.32634479	728	0	-90	ADL 732162	KING 48	
RSV27-PDH-EAST328	574300	7467400	-151.2735028	67.31384235	769	0	-90	ADL 732194	KING 80	
RSV27-PDH-EAST329	574300	7467000	-151.2737611	67.31025594	799	0	-90	ADL 732194	KING 80	
RSV27-PDH-EAST330	574300	7466600	-151.2740193	67.30666953	741	0	-90	ADL 732210	KING 96	
RSV27-PDH-EAST331	574100	7467200	-151.2782764	67.31209894	882	0	-90	ADL 732194	KING 80	
RSV27-PDH-EAST332	574100	7467600	-151.2780187	67.31568536	782	0	-90	ADL 732194	KING 80	
RSV27-PDH-EAST333	574100	7466800	-151.2785339	67.30851252	851	0	-90	ADL 732210	KING 96	
RSV27-PDH-EAST334	574100	7466400	-151.2787914	67.3049261	636	0	-90	ADL 732210	KING 96	
RSV27-PDH-EAST335	574300	7468200	-151.2729859	67.32101515	833	0	-90	ADL 732178	KING 64	
RSV27-PDH-EAST336	574300	7467800	-151.2732444	67.31742875	670	0	-90	ADL 732178	KING 64	
RSV27-PDH-EAST337	574100	7468000	-151.277761	67.31927177	730	0	-90	ADL 732178	KING 64	
RSV27-PDH-EAST338	574300	7468600	-151.2727274	67.32460156	800	0	-90	ADL 732162	KING 48	

RSV27-PDH-EAST339	574100	7468400	-151.2775032	67.32285818	895	0	-90	ADL 732178	KING 64
RSV27-PDH-EAST340	574300	7469000	-151.2724687	67.32818795	660	0	-90	ADL 732162	KING 48
RSV27-PDH-EAST341	574100	7468800	-151.2772453	67.32644459	714	0	-90	ADL 732162	KING 48
RSV27-PDH-EAST342	575500	7467400	-151.2456346	67.31354072	467	0	-90	ADL 732196	KING 82
RSV27-PDH-EAST343	575500	7467000	-151.245897	67.30995436	470	0	-90	ADL 732196	KING 82
RSV27-PDH-EAST344	575500	7466600	-151.2461594	67.30636801	484	0	-90	ADL 732212	KING 98
RSV27-PDH-EAST345	575300	7467200	-151.2504101	67.31179814	477	0	-90	ADL 732195	KING 81
RSV27-PDH-EAST346	575300	7467600	-151.2501483	67.3153845	497	0	-90	ADL 732195	KING 81
RSV27-PDH-EAST347	575300	7466800	-151.2506718	67.30821178	485	0	-90	ADL 732211	KING 97
RSV27-PDH-EAST348	575300	7466400	-151.2509335	67.30462541	501	0	-90	ADL 732211	KING 97
RSV27-PDH-EAST349	575500	7468200	-151.2451094	67.32071342	482	0	-90	ADL 732180	KING 66
RSV27-PDH-EAST350	575500	7467800	-151.245372	67.31712707	470	0	-90	ADL 732180	KING 66
RSV27-PDH-EAST351	575300	7468000	-151.2498864	67.31897086	499	0	-90	ADL 732179	KING 65
RSV27-PDH-EAST352	575500	7468650	-151.2448138	67.32474806	467	0	-90	ADL 732164	KING 50
RSV27-PDH-EAST353	575300	7468400	-151.2496244	67.32255722	508	0	-90	ADL 732179	KING 65
RSV27-PDH-EAST354	575500	7469000	-151.2445839	67.32788611	519	0	-90	ADL 732164	KING 50
RSV27-PDH-EAST355	575300	7468800	-151.2493623	67.32614358	497	0	-90	ADL 732163	KING 49
RSV27-PDH-EAST356	576300	7467000	-151.2273214	67.30975063	451	0	-90	ADL 732197	KING 83
RSV27-PDH-EAST357	576300	7466600	-151.2275866	67.30616431	478	0	-90	ADL 732212	KING 98
RSV27-PDH-EAST358	576100	7467200	-151.231833	67.31159493	427	0	-90	ADL 732196	KING 82
RSV27-PDH-EAST359	576100	7467600	-151.2315684	67.31518126	461	0	-90	ADL 732196	KING 82
RSV27-PDH-EAST360	576150	7466800	-151.2309367	67.30799583	391	0	-90	ADL 732212	KING 98
RSV27-PDH-EAST361	576100	7466400	-151.232362	67.30442227	429	0	-90	ADL 732212	KING 98
RSV27-PDH-EAST362	575950	7467400	-151.2351842	67.31342636	402	0	-90	ADL 732196	KING 82
RSV27-PDH-EAST363	575850	7467000	-151.2377702	67.30986549	410	0	-90	ADL 732196	KING 82
RSV27-PDH-EAST364	575900	7466600	-151.236873	67.30626643	453	0	-90	ADL 732212	KING 98
RSV27-PDH-EAST365	575700	7467200	-151.2411215	67.3116968	447	0	-90	ADL 732196	KING 82
RSV27-PDH-EAST366	575700	7467600	-151.2408583	67.31528315	447	0	-90	ADL 732196	KING 82
RSV27-PDH-EAST367	575700	7466800	-151.2413846	67.30811046	468	0	-90	ADL 732212	KING 98
RSV27-PDH-EAST368	575700	7466400	-151.2416477	67.30452411	461	0	-90	ADL 732212	KING 98
RSV27-PDH-EAST369	575900	7468200	-151.2358174	67.32061177	469	0	-90	ADL 732180	KING 66
RSV27-PDH-EAST370	575950	7467800	-151.2349201	67.31701269	408	0	-90	ADL 732180	KING 66
RSV27-PDH-EAST371	575700	7468000	-151.240595	67.31886949	462	0	-90	ADL 732180	KING 66
RSV27-PDH-EAST372	575900	7468600	-151.2355533	67.3241981	457	0	-90	ADL 732164	KING 50
RSV27-PDH-EAST373	575700	7468400	-151.2403317	67.32245583	456	0	-90	ADL 732180	KING 66
RSV27-PDH-EAST374	575900	7469000	-151.2352891	67.32778443	473	0	-90	ADL 732164	KING 50
RSV27-PDH-EAST375	575700	7468800	-151.2400682	67.32604217	490	0	-90	ADL 732164	KING 50
RSV27-PDH-EAST376	575100	7467400	-151.2549239	67.3136418	521	0	-90	ADL 732195	KING 81
RSV27-PDH-EAST377	575100	7467000	-151.255185	67.31005542	513	0	-90	ADL 732195	KING 81
RSV27-PDH-EAST378	575100	7466600	-151.255446	67.30646905	506	0	-90	ADL 732211	KING 97
RSV27-PDH-EAST379	574900	7467200	-151.2596988	67.31189894	568	0	-90	ADL 732195	KING 81
RSV27-PDH-EAST380	574900	7467600	-151.2594383	67.31548532	570	0	-90	ADL 732195	KING 81
RSV27-PDH-EAST381	574900	7466800	-151.2599591	67.30831256	554	0	-90	ADL 732211	KING 97
RSV27-PDH-EAST382	574900	7466400	-151.2602194	67.30472618	537	0	-90	ADL 732211	KING 97
RSV27-PDH-EAST383	575100	7468200	-151.2544015	67.32081453	531	0	-90	ADL 732179	KING 65
RSV27-PDH-EAST384	575100	7467800	-151.2546627	67.31722817	525	0	-90	ADL 732179	KING 65
RSV27-PDH-EAST385	574900	7468000	-151.2591778	67.3190717	574	0	-90	ADL 732179	KING 65
RSV27-PDH-EAST386	575100	7468600	-151.2541401	67.3244009	542	0	-90	ADL 732163	KING 49
RSV27-PDH-EAST387	574900	7468400	-151.2589172	67.32265808	599	0	-90	ADL 732179	KING 65
RSV27-PDH-EAST388	575100	7468950	-151.2539114	67.32753897	518	0	-90	ADL 732163	KING 49
RSV27-PDH-EAST389	574900	7468800	-151.2586566	67.32624445	595	0	-90	ADL 732163	KING 49
RSV27-PDH-EAST390	573500	7467400	-151.292082	67.31404075	997	0	-90	ADL 732193	KING 79
RSV27-PDH-EAST391	573500	7467000	-151.2923375	67.31045431	935	0	-90	ADL 732193	KING 79
RSV27-PDH-EAST392	573500	7466600	-151.292593	67.30686786	870	0	-90	ADL 732209	KING 95
RSV27-PDH-EAST393	573300	7467200	-151.2968543	67.31229679	1094	0	-90	ADL 732193	KING 79
RSV27-PDH-EAST394	573300	7467600	-151.2965994	67.31588324	1056	0	-90	ADL 732193	KING 79
RSV27-PDH-EAST395	573300	7466800	-151.2971091	67.30871034	999	0	-90	ADL 732209	KING 95
RSV27-PDH-EAST396	573300	7466400	-151.2973638	67.30512388	970	0	-90	ADL 732209	KING 95
RSV27-PDH-EAST397	573500	7468200	-151.2915707	67.32121363	912	0	-90	ADL 732177	KING 63
RSV27-PDH-EAST398	573500	7467800	-151.2918264	67.31762719	986	0	-90	ADL 732177	KING 63
RSV27-PDH-EAST399	573300	7468000	-151.2963445	67.31946969	1011	0	-90	ADL 732177	KING 63

RSV27-PDH-EAST400	573500	7468600	-151.2913149	67.32480006	768	0	-90	ADL 732161	KING 47
RSV27-PDH-EAST401	573300	7468400	-151.2960894	67.32305613	822	0	-90	ADL 732177	KING 63
RSV27-PDH-EAST402	573500	7469000	-151.2910591	67.3283865	757	0	-90	ADL 732161	KING 47
RSV27-PDH-EAST403	573300	7468800	-151.2958343	67.32664258	791	0	-90	ADL 732161	KING 47
RSV27-PDH-EAST404	574700	7469400	-151.2629136	67.33167426	605	0	-90	ADL 732147	KING 33
RSV27-PDH-EAST405	574500	7469200	-151.2676915	67.32993118	625	0	-90	ADL 732162	KING 48
RSV27-PDH-EAST406	574300	7469400	-151.27221	67.33177435	638	0	-90	ADL 732146	KING 32
RSV27-PDH-EAST407	574100	7469200	-151.2769873	67.33003099	669	0	-90	ADL 732162	KING 48
RSV27-PDH-EAST408	575500	7469400	-151.244321	67.33147246	513	0	-90	ADL 732148	KING 34
RSV27-PDH-EAST409	575300	7469200	-151.2491002	67.32972993	521	0	-90	ADL 732163	KING 49
RSV27-PDH-EAST410	575700	7469200	-151.2398047	67.32962851	487	0	-90	ADL 732164	KING 50
RSV27-PDH-EAST411	575100	7469400	-151.2536172	67.33157363	574	0	-90	ADL 732147	KING 33
RSV27-PDH-EAST412	574900	7469250	-151.2583632	67.33027912	541	0	-90	ADL 732163	KING 49
RSV27-PDH-EAST413	574500	7469600	-151.267432	67.33351756	657	0	-90	ADL 732146	KING 32
RSV27-PDH-EAST414	575300	7469600	-151.2488379	67.33331628	543	0	-90	ADL 732147	KING 33
RSV27-PDH-EAST415	575700	7469600	-151.239541	67.33321484	481	0	-90	ADL 732148	KING 34
RSV27-PDH-EAST416	574900	7469600	-151.258135	67.33341719	645	0	-90	ADL 732147	KING 33

HARDROCK NARRATIVE *REQUIRED

(33)

A narrative of the operation is required. Please attach a written narrative to this application. The narrative should include the information to answer the prompts provided below and include any additional information relevant to the proposed activities.

Refer to Attachment

1.) Describe access to property, drill/trench sites, including length and type of access routes. Describe access reclamation measures to be conducted and timeline.

2.) Describe exploration method, scope of work proposed, equipment, when and where activities will occur, personnel housing location and camp description.

3.) Describe site preparation activities and pre-reclamation measures.

4.) Describe pad construction and dimensions.

5.) Describe drill core management, to include transportation of core, storage, and removal or disposal from the exploration project.

6.) Describe drill waste and drill water management, drill fluids and disposal methods. Attach msds/sds for all substances.

7.) Describe fuel handling at exploration drill sites (pads and trenches) and off site (camp or base operations).

8.) Discuss spill prevention and response plan.

9.) Describe water use including estimate of daily water use.

10.) Describe how the operation will avoid and/or mitigate potential impacts to fish, wildlife and cultural resources: describe closure, plugging methodology, surface reclamation and abandonment.

Hardrock Narrative

1.) Describe access to property, drill/trench sites, including length and type of access routes. Describe access reclamation measures to be conducted and timeline.

Access to the property and all proposed drill sites will be by helicopter. No roads, trails, or other surface access routes will be constructed as part of the exploration program. Personnel, equipment, fuel, and supplies will be transported directly between the exploration camp and drill locations by helicopter.

Drill sites will be reclaimed concurrently with drilling activities where practical and upon completion of drilling at each site. Drill fluids and cuttings will be managed using a centrifuge to separate solids from water. Recovered water will be reused in the drilling process where practical. Drill cuttings will be returned to the drill hole, buried within reclaimed sumps where utilized, or otherwise stabilized and reclaimed in accordance with permit requirements. Drill holes will be filled with drill cuttings to within approximately 20 feet of the surface and sealed with bentonite chips to prevent water movement between formations.

Any temporary sumps, drill pads, equipment staging areas, or helicopter landing areas will be dewatered if necessary, backfilled with native material, recontoured to blend with surrounding terrain, and cleared of equipment, supplies, debris, and non-native materials. Final reclamation will be completed at the end of the field season or upon completion of the exploration program, with all disturbed areas restored to a stable condition consistent with the surrounding landscape.

2.) Describe exploration method, scope of work proposed, equipment, when and where activities will occur, personnel housing location and camp description.

Exploration activities will consist primarily of helicopter-supported diamond core drilling to evaluate mineral targets within the project area. The proposed scope of work includes the construction and operation of temporary drill sites, collection of geological, geochemical, and geotechnical data, and support activities necessary to conduct the exploration program safely and efficiently.

Activities are anticipated to occur between June and September each year. Personnel, drill equipment, fuel, supplies, and camp materials will be transported by helicopter from either Coldfoot and/or the temporary exploration camp to drill locations. No roads or permanent access routes will be constructed as part of the program.

Equipment may include helicopter-supported diamond drill rigs (Boart Longyear LF-70 or similar), helicopters (Airbus AS350 B3 or similar), fuel storage systems (Fly-tanks), water pumps and hoses, drill water recirculation tanks, centrifuges for drill fluid and cuttings management, generators, communication equipment, and ancillary exploration equipment. Temporary sumps may be utilized for drill fluid management where necessary.

Personnel will be housed at Coldfoot Lodge or at temporary exploration camps that are designed to accommodate up to 24 personnel. The camp will consist of Alaska Structures fabric buildings or similar temporary structures used for sleeping quarters, kitchen and dining facilities, offices, storage, first aid, and sanitation facilities. Camp infrastructure may include fuel storage, generators, water treatment systems, wastewater management systems, and designated waste storage areas. All camp operations will be conducted in accordance with applicable permits, environmental management plans, and spill prevention requirements.

Drill sites and camp facilities will be reclaimed upon completion of activities. Drill holes will be plugged in accordance with Alaska requirements, drill cuttings and fluids will be managed utilizing a centrifuge and approved reclamation methods, temporary sumps will be backfilled and recontoured where utilized, and all equipment, supplies, structures, fuel, waste, and debris will be removed from the site. Disturbed areas will be restored to a stable condition consistent with the surrounding landscape at the completion of the program or field season.

3.) Describe site preparation activities and pre-reclamation measures.

Site preparation activities will be limited due to the helicopter-supported nature of the exploration program. No roads, trails, or permanent infrastructure will be constructed. Temporary drill sites will be established at selected drill collar locations using existing natural terrain where practical. Minor vegetation clearing, leveling, or brush removal may be required to safely position drill equipment and support operations. Temporary helicopter landing areas and equipment staging areas may also be established as needed.

Pre-reclamation measures will include minimizing surface disturbance, avoiding unnecessary vegetation removal, utilizing existing natural openings where practical, properly storing fuel and hazardous materials in accordance with spill prevention requirements, and containing drill fluids and cuttings using tanks, centrifuges, and/or temporary sumps where required. Disturbance will be confined to the smallest area necessary to safely conduct operations. Topsoil and organic material displaced during site preparation will be retained for use during reclamation where practical.

Reclamation planning will be incorporated into all exploration activities to facilitate concurrent reclamation and minimize long-term impacts.

4.) Describe pad construction and dimensions.

Drill pads will be constructed of rough-cut timber and wood decking and will be sized only as necessary to safely support drilling operations. Pad dimensions will not exceed 20 feet by 20 feet. Pads will be placed on the existing ground surface with minimal site preparation and disturbance. Upon completion of drilling activities, all pad materials will be removed from the site and the underlying area will be inspected, recontoured as necessary, and reclaimed to a stable condition consistent with the surrounding terrain.

5.) Describe drill core management, to include transportation of core, storage, and removal or disposal from the exploration project.

All drill core will be collected in labeled core boxes at each drill site and transported by helicopter to Coldfoot, where the core will be logged. Core will be logged, photographed, sampled, and securely stored in designated storage area.

At the completion of the exploration program, drill core designated for long-term retention will be removed from the project area and transported to an off-site storage facility. Any waste rock generated from core cutting and sampling activities will be managed in accordance with applicable regulatory requirements. No drill core will be abandoned at drill sites. Following demobilization, all core boxes, storage racks, sampling materials, and related equipment will be removed from the project area unless otherwise authorized.

6.) Describe drill waste and drill water management, drill fluids and disposal methods. Attach msds/sds for all substances.

Water for drilling will be withdrawn from approved water sources and used in accordance with water use authorizations. Drill return water will be managed on site and prevented from entering surface waters. Drill cuttings will be collected and buried in designated upland locations away from waterbodies, wetlands, and fish-bearing streams.

Only environmentally acceptable drill additives will be used as required. Fuel, lubricants, and drill additives will be stored and handled in accordance with the project's Spill Prevention, Control, and Countermeasure (SPCC) Plan. Any excess drill fluids, additives, or contaminated materials will be removed from site and disposed of at an approved facility.

Safety Data Sheets (SDS) for all drill additives and substances proposed for use during the program are attached.

7.) Describe fuel handling at exploration drill sites (pads and trenches) and off site (camp or base operations).

Fuel required for drilling and exploration activities will be transported, stored, and handled in accordance with the project's Spill Prevention, Control, and Countermeasure (SPCC) Plan and Project Environmental Management Plan (EMP). At drill pad locations, fuel will be stored in approved containers equipped with secondary containment capable of holding at least 110% of the largest container volume. Refueling activities will be supervised by trained personnel, and spill response equipment will be maintained at all fueling locations.

At camp and Coldfoot operations, fuel will be stored in dedicated tanks or containers within lined secondary containment systems meeting the 110% capacity requirement. Fuel transfers will follow established operating procedures to prevent spills and releases. Any spills or leaks will be immediately contained, cleaned up, and reported in accordance with applicable regulatory requirements.

8.) Discuss spill prevention and response plan.

A Spill Prevention, Control, and Countermeasure (SPCC) Plan will be prepared by a qualified third-party professional prior to the commencement of field activities. The SPCC Plan will outline measures for spill prevention, fuel storage and handling, secondary containment requirements, inspection procedures, training requirements, spill reporting, and emergency response actions.

Fuel, lubricants, and other petroleum products will be stored and handled in accordance with the SPCC Plan. Secondary containment with a minimum capacity of 110% of the largest container will be maintained at fuel storage areas, and spill response equipment will be available at camp, fuel storage locations, and active work sites.

In the event of a spill, work will stop as necessary, the source will be contained and controlled, and contaminated materials will be recovered for proper disposal. All spills will be reported and managed in accordance with applicable ADEC and DNR reporting requirements. Personnel will receive spill prevention and response training prior to conducting field activities

9.) Describe water use including estimate of daily water use.

Water will be withdrawn from approved surface water sources for camp use and diamond drilling activities. Camp water will be used for drinking, cooking, washing, sanitation, and other domestic purposes. A maximum of 1,200 gallons per day (gpd) will be required for camp operations, based on an estimated 24-person occupancy.

Additional water may be used for drilling operations and will be withdrawn from approved water sources in accordance with applicable permits and authorizations. Water use will be managed to minimize withdrawals and impacts on aquatic resources.

10.) Describe how the operation will avoid and/or mitigate potential impacts to fish, wildlife and cultural resources: describe closure, plugging methodology, surface reclamation and abandonment.

Exploration activities will be conducted in a manner that minimizes disturbance to fish, wildlife, and cultural resources. Drill pads, camps, fuel storage areas, and water withdrawal locations will be sited away from sensitive habitats, waterbodies, wetlands, and known cultural or historical resources where practicable. Wildlife interactions will be managed in accordance with applicable permit requirements, and all waste will be stored and managed to avoid attracting wildlife.

Upon completion of drilling, all drill holes will be plugged in accordance with Alaska Department of Natural Resources requirements. Drill sites will be reclaimed by removing all equipment, fuel, supplies, waste, and temporary structures. Drill cuttings will be buried, sumps reclaimed as necessary, and disturbed areas stabilized to promote natural revegetation.

Following program completion, all exploration sites will be inspected to confirm that equipment and materials have been removed, drill holes have been properly sealed, and disturbed areas have been reclaimed. The objective of reclamation is to return the site to a condition that is stable, non-polluting, and compatible with the surrounding environment.

2025 ANNUAL RECLAMATION STATEMENT (33)

☐ Placer Mining
☐ Suction Dredging
☑ Hardrock Exploration

APMA # F2151

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, Cassandra Beaumont 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: 0 cubic yards (Includes stripping and processed material.)

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

Total acreage disturbed in 2025 State 0, Federal 0, Private 0. (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: 0 acres.

Total un-reclaimed acres: 0.0675 (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:

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

Relationship to Claim(s)
☑ Owner ☐ Lessee ☐ Operator
☐ Agent For: _____

Signed Beaumont, Cassandra Digitally signed by Beaumont, Cassandra Date: 2026.10.09 14:22:50 -07'00' Date 9 October 26

2026 RECLAMATION PLAN FORM (HARDROCK EXPLORATION)

☑ A. RECLAMATION PLAN	☐ B. RECLAMATION PLAN VOLUNTARY	☑ C. LETTER OF INTENT (34)
(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).	(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).	(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: 0.0675 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 1.5 acres. Total acreage (currently disturbed plus new acres): 1.568 acres.

Acreage disturbed by land status: 0.0675 State (general) _____ State (Mental Health) _____ Private _____ Federal

Total acreage to be reclaimed in 2026 1.568 acres; Total volume of material to be disturbed in 2026: 1.5 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, hardwear, 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.**

Cassandra Beaumont
Printed name (Applicant)

Beaumont, Cassandra Digitally signed by Beaumont, Cassandra Date: 2026.10.09 14:23:46 -07'00'
Signature (Applicant)

Relationship to Mineral Property:

☑ Owner ☐ Lessee ☐ Operator
☐ Agent For: _____

Date: 9 October 26

APMA #: F2151