

K3.12 TRANSPORTATION AND NAVIGATION

K3.12.1 Existing Flight Paths and Shipping Routes

General flight paths from Anchorage to Bristol Bay and Alaska Peninsula communities are over Iliamna, or the project area if there is inclement weather over Iliamna Lake (FAA 2018; Ravn 2018). Table K3.12-1 lists the existing flightpaths of low altitude flights (up to, but not including, 18,000 feet above mean sea level) in the Environmental Impact Statement (EIS) analysis area. Figure K3.12-1 shows flight paths in the vicinity of Iliamna Lake.

The project would use existing shipping routes to transport supplies to and concentrate from the project area. Figure K3.12-2 shows the project barging routes, which are based on existing routes used for transpacific commercial shipping and traffic to Alaska. An alternative inland barge route that is used under adverse conditions is also included (PLP 2020-RFI-163).

Table K3.12-1: Flight Paths near Iliamna Lake

Flightpath ID	Type	Elevation ¹	Endpoint 1	Endpoint 2	Endpoint 3	Path Over	Route Notes
V462	Victor Airways	14,000	Anchorage	Dillingham	--	Mine site, Port Alsworth, Lake Clark, potentially Lake Clark Pass, Cook Inlet	Route matches path of T223
T223	Low-Altitude RNAV only route	4,400G - 12,400G	Anchorage	Dillingham	--	Mine site, Port Alsworth, Lake Clark, potentially Lake Clark Pass, Cook Inlet	Route matches path of V462
V427	Victor Airways	3,000 – 14,000	Anchorage	Iliamna	King Salmon	Iliamna Lake, near the north ferry terminal, Iliamna, Newhalen, Lake Clark National Park, connects to V462 just south of Lake Clark	Connects with V462/T223 route east of Lake Clark to Anchorage
	Victor Airways	6,000G - 9,000G	Anchorage	Iliamna	King Salmon	Iliamna Lake, near north ferry terminal, Iliamna, Newhalen, Lake Clark National Park, Connects to V462 just south of Lake Clark	Connects with V462/T223 route east of Lake Clark to Anchorage—appears to be the low-version of the same route—no name found
V456	Victor Airways	13,000	Anchorage	Kenai	King Salmon	Kokhanok, south ferry terminal, Iliamna Lake, Pile Bay, north access road, Lake Clark National Park (SE), Cook Inlet	South side of Iliamna Lake
V457	Victor Airways	9,000	Kenai	Iliamna	--	Iliamna, North Road, Lake Clark National Park (SE), Cook Inlet	--
V321	Victor Airways	4,000 – 7,000	Homer	King Salmon	--	Just south of Amakdedori port, Cook Inlet	South of Iliamna Lake, over Amakdedori port
T271	Low-Altitude RNAV only route	4,000G – 11,800G	Anchorage	King Salmon	--	Iliamna Lake, north access road, between ferry terminals for Alt 1 and Alt 2, Lake Clark National Park (SE), Cook Inlet	--
T227	Low-Altitude RNAV only route	3,400G – 13,000G	Big Lake	Port Heiden	--	Alt 2 port access road, north access road, Lake Clark National Park (SE), Cook Inlet	South and east of Iliamna Lake, west of Amakdedori
G4	LF/MF Airway	4,500	Dillingham	Iliamna	--	North access road, Iliamna	--

Table K3.12-1: Flight Paths near Iliamna Lake

Flightpath ID	Type	Elevation ¹	Endpoint 1	Endpoint 2	Endpoint 3	Path Over	Route Notes
R99	LF/MF Airway	5,000	King Salmon	Iliamna	--	Iliamna Lake, north ferry terminal, Iliamna	Along V427 Route
G8	LF/MF Airway	6,000	King Salmon	Homer	--	South ferry terminal, Kokhanok, Iliamna Lake (SE small section)	--
G8 R99	LF/MF Airway	6,100	Iliamna	Homer	--	Alt 2 and Alt 3 natural gas pipeline, Iliamna Bay, Cook Inlet (over pipeline routes)	--
B12	LF/MF Airway	10,000	Iliamna	Kodiak	--	Iliamna, Iliamna Lake, Kokhanok east ferry terminal, south access road, South Kamishak Bay on Cook Inlet	--

Notes:

¹Elevation is given in feet above mean sea level

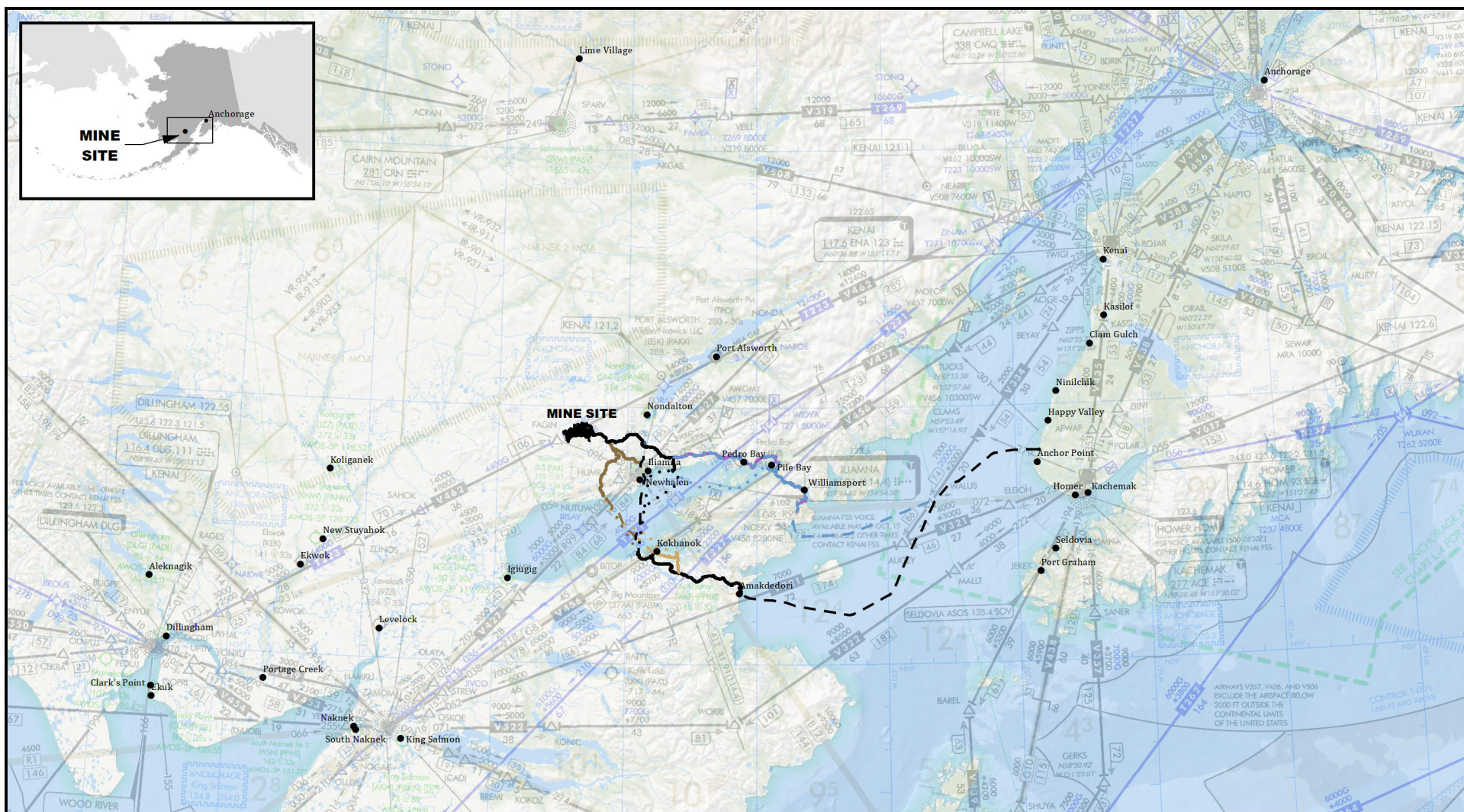
Alt = alternative

LF/MF = Airways based on Low-Frequency / Medium-Frequency radio frequencies

RNAV = Area Navigation—a type of route and navigation method

SE = Southeast

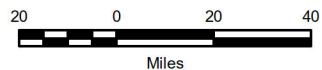
Source: FAA 2018



Sources: PLP 2020-RF1168; PLP 2019-RF1153;
FAA IFR Low Altitude Chart Dec 2019



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Action Alternatives

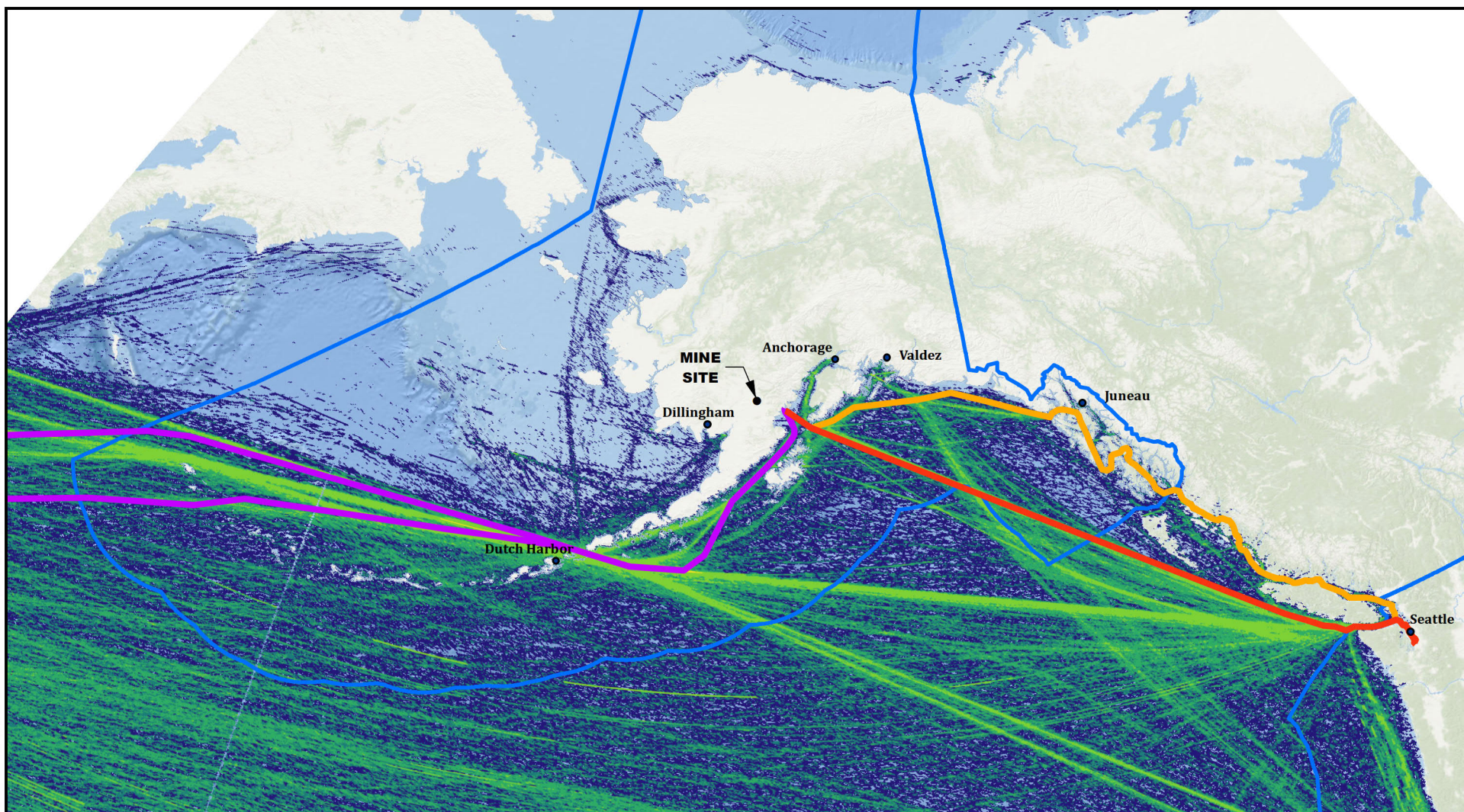
- Ferry Routes
- Natural Gas Pipelines
- Alternative 1a
- Alternative 1

- Alternative 1 Kokhanok East Ferry Terminal Variant
- Alternative 2
- Alternative 2 Newhalen River North Crossing Variant
- Alternative 3

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FLIGHT PATHS

FIGURE K3.12-1



Sources: PLP 2020-RF1168



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150 0 150 300
Miles

Shipping Route

- Bulk Carrier Vessels
- Supply Barge - Alternate
- Supply Barge - Main

Global Shipping Lanes

- ≤3
 - ≤5
 - ≤10
 - ≤50
 - +50
- Number of tracks from
Oct. 2004 to Oct. 2005.*

Other Features

- US Exclusive Economic Zone

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SHIPPING ROUTES

FIGURE K3.12-2