

## AA. Exhibits

### Appendix to the Draft Environmental Assessment for ATAAPS

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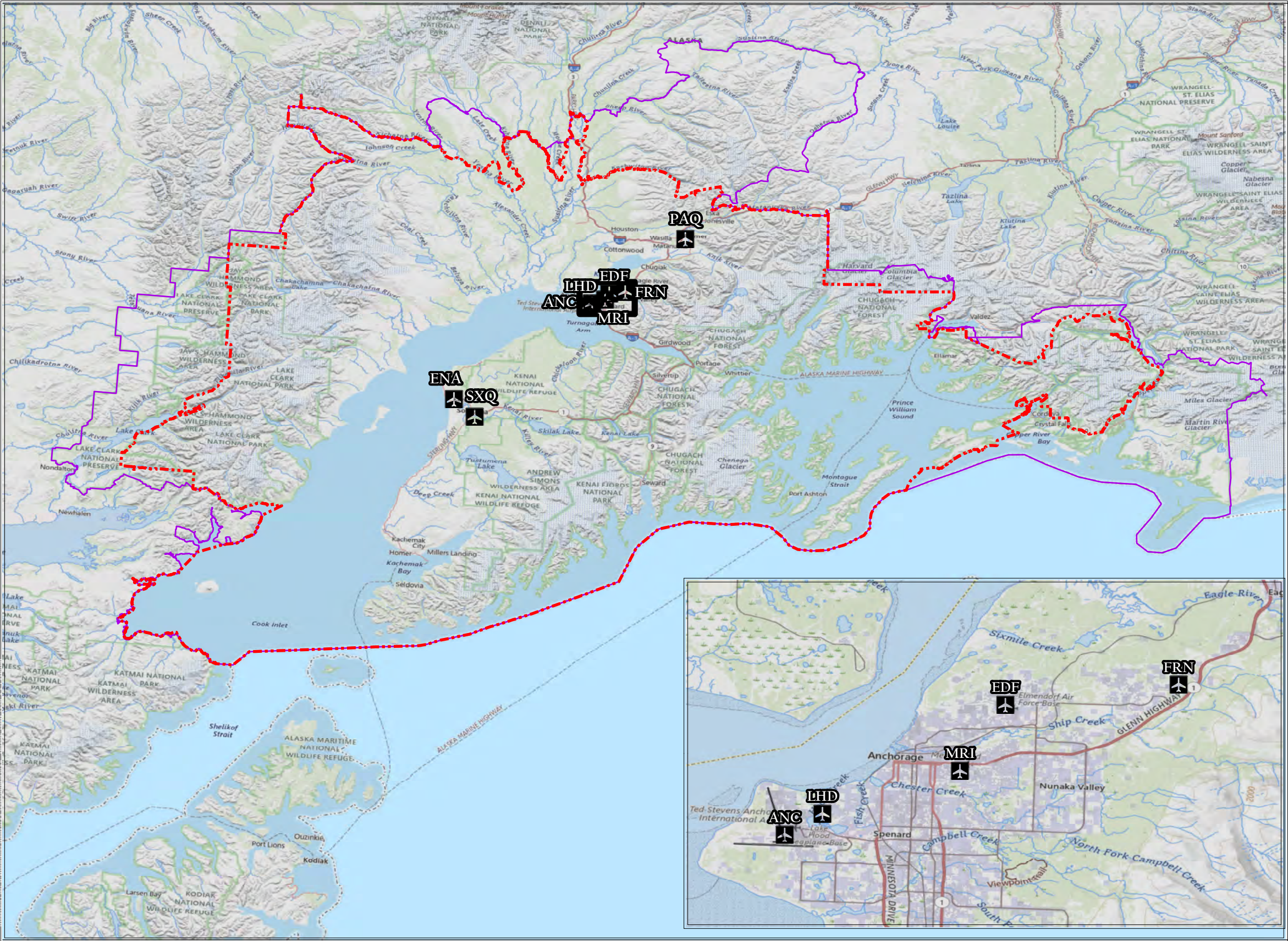
Prepared by:  
United States Department of Transportation  
Federal Aviation Administration



Anchorage, Alaska  
October 2026

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LEGEND

- Study Airport Legend
- General Study Area
- 18K Supplemental Boundary
- US State Tiger Line Boundary

Notes:  
Airport Identifier and Name:  
ANC - Ted Stevens Anchorage International Airport  
EDF - Elmendorf Air Force Base  
ENA - Kenai Municipal Airport  
FRN - Bryant Army Airfield  
LHD - Lake Hood Seaplane Base  
MRI - Merrill Field  
PAQ - Palmer Airport  
SXQ - Soldotna Airport

Projection: GCS North American 1983  
Scale: 1:2,631,162

0 5 10 20 Miles

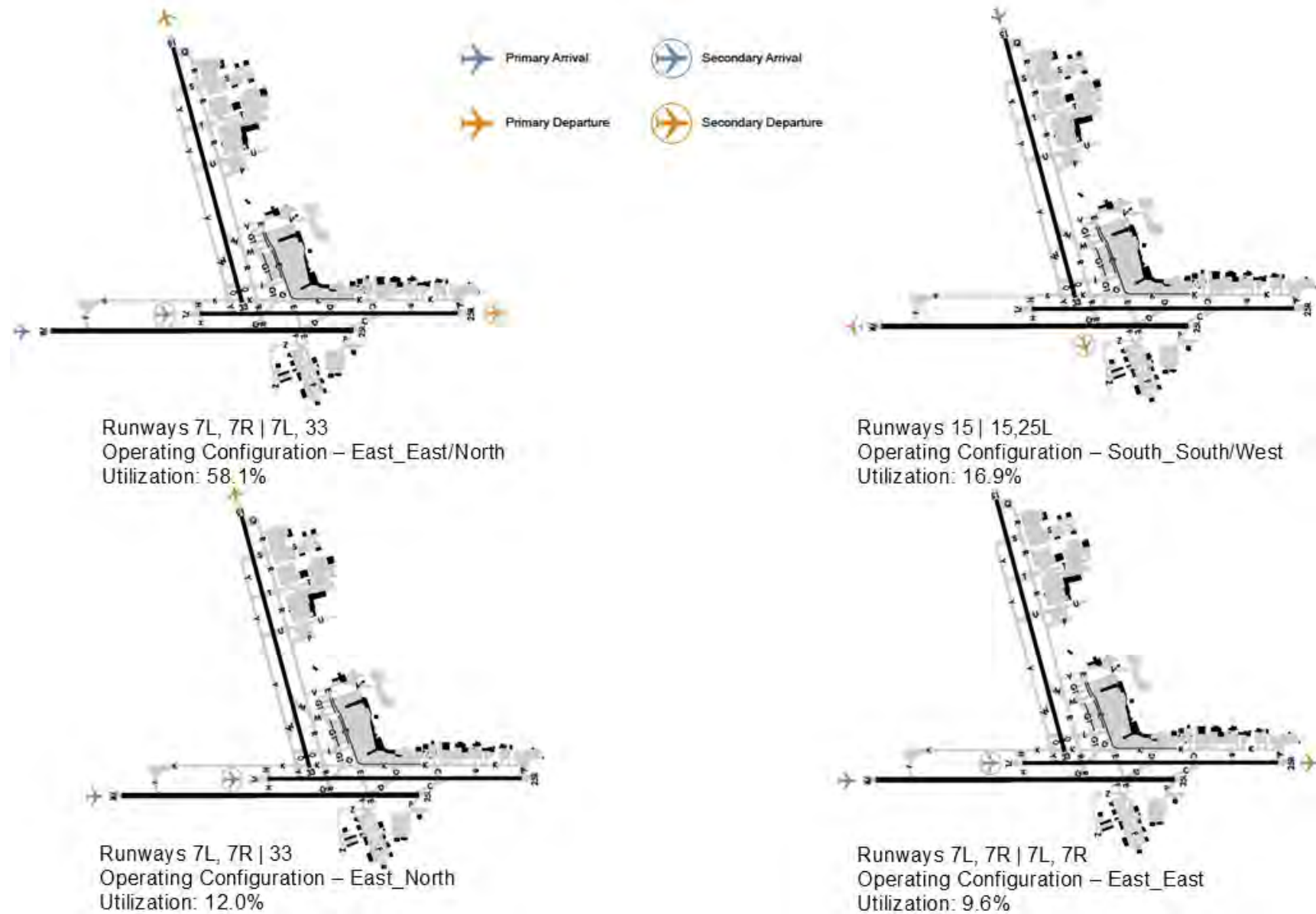


Sources: USGS The National Map: National Boundaries Dataset, National Elevation Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset: U.S. Census Bureau TIGER/Line: HERE Road Data.  
Federal Aviation Administration, NFDC/CIFP waypoints and airports.  
Prepared by: ATAC Corporation, October, 2026.

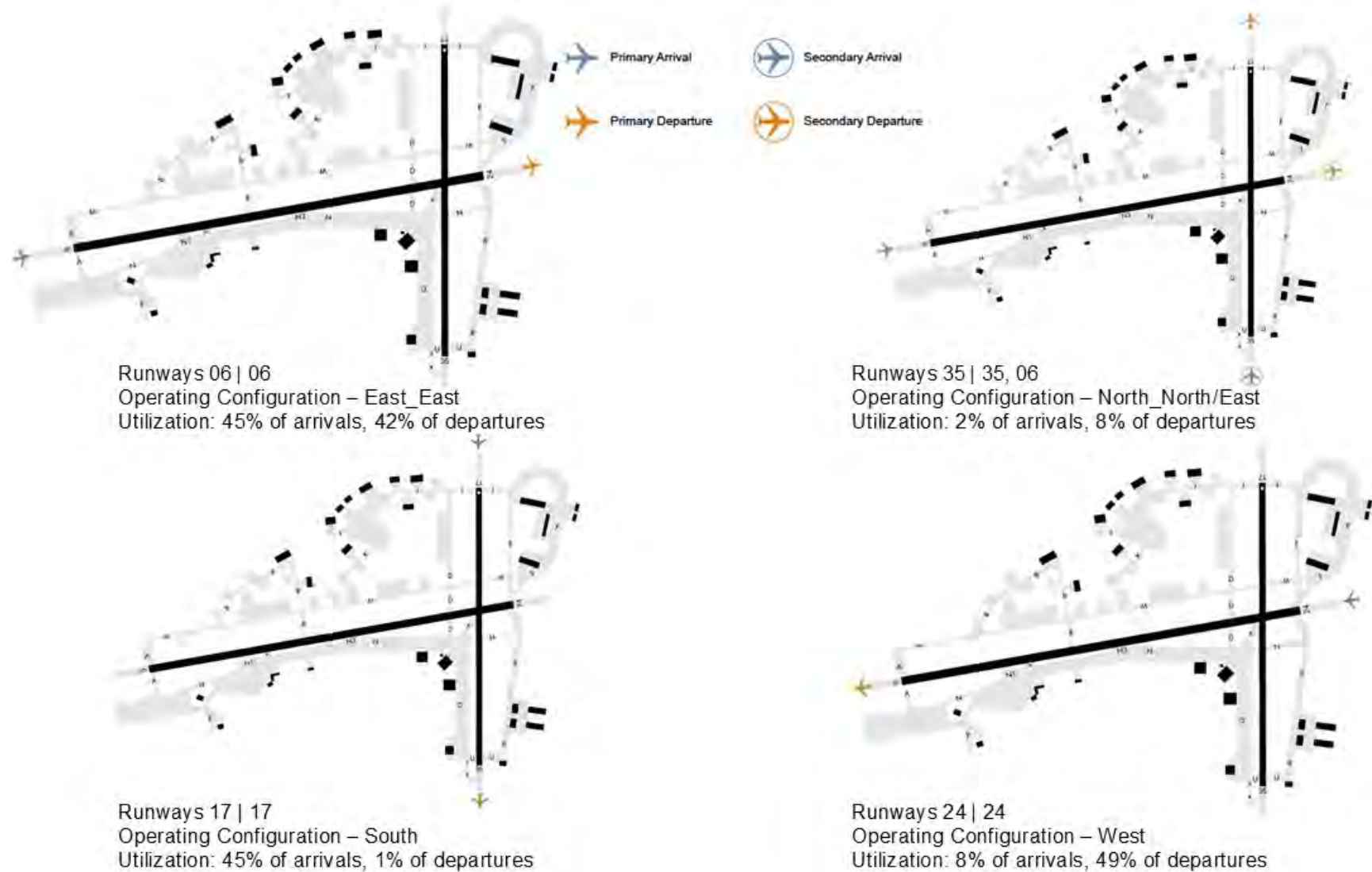
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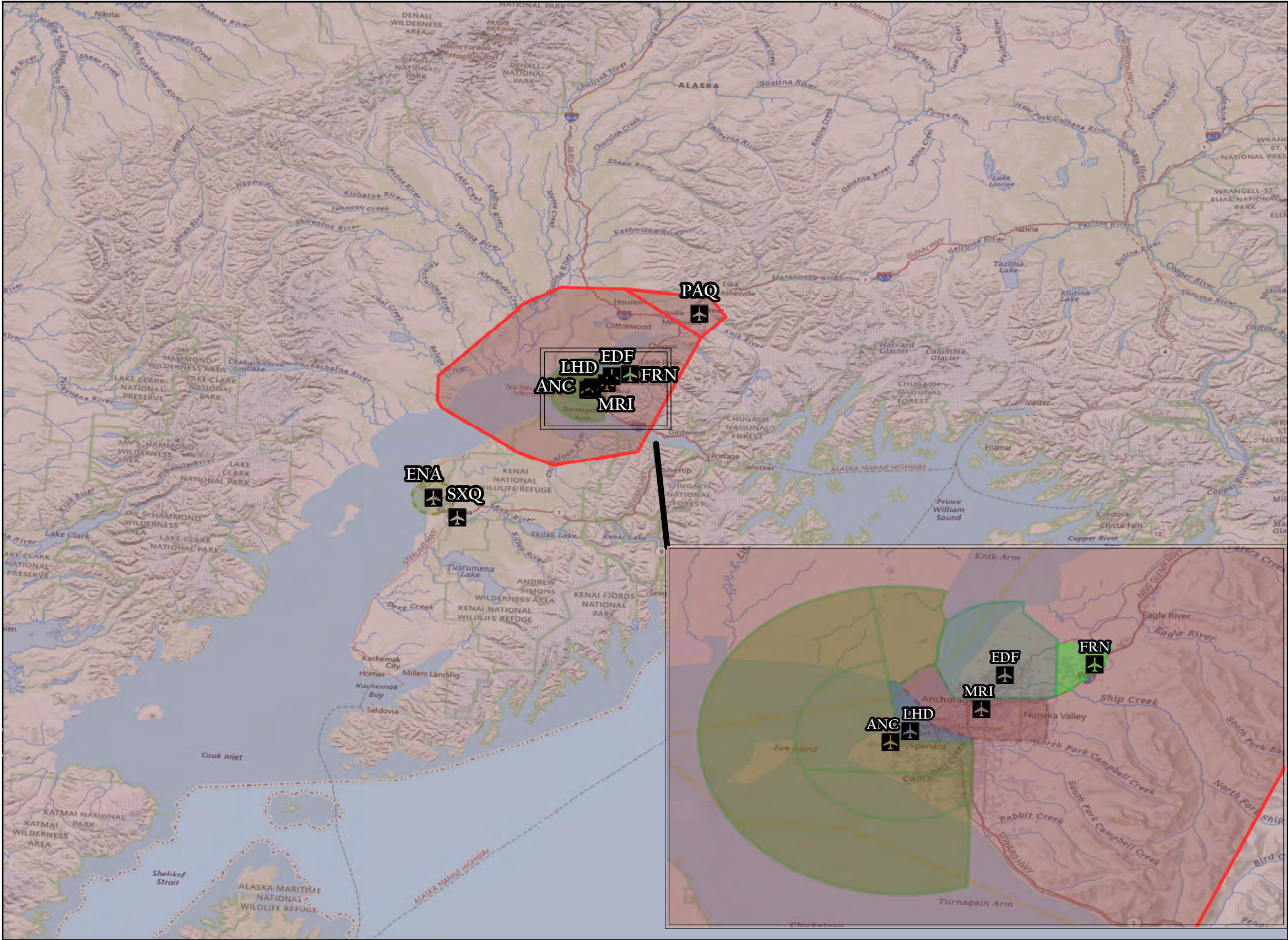
General Study Area

## Exhibit 1-2 ANC Runway Configuration



### Exhibit 1-3 EDF Runway Configuration





LEGEND

- Study Airport Legend
- All TRACON Boundary
- Anchorage Class C Segment
- Elmendorf AFB Class D Segment
- Bryant AAF Class D Segment
- Merrill Field Class D Segment
- Lake Hood Class D Segment
- Kenai Class D Segment
- All TRACON Area
- ZAN ARTCC Area
- US State Tiger Line Boundary

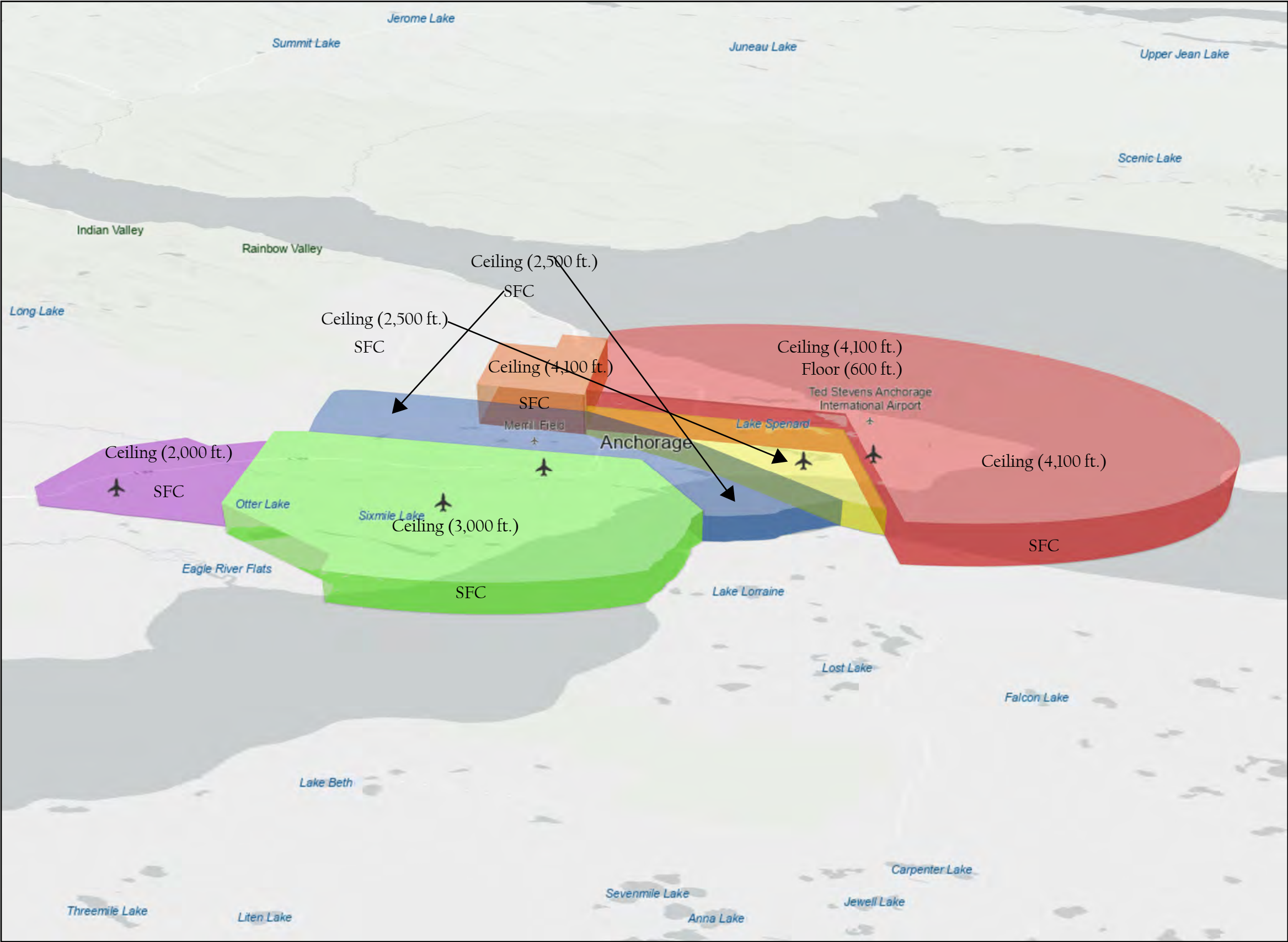
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Scale: 1:2,631,162

0 5 10 20 Miles



Sources: USGS The National Map: National Boundaries Dataset, National Elevation Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset: U.S. Census Bureau TIGER/Line; HERE Road Data.  
Federal Aviation Administration, NFDC/CIFP airspace boundaries, waypoints and airports.  
Prepared by: ATAC Corporation, October 2026.



LEGEND

- Airports
- Merrill Segment
- Lake Hood Segment
- Bryant Segment
- Elmendorf Segment
- International Segment
- Seward Hwy. Segment

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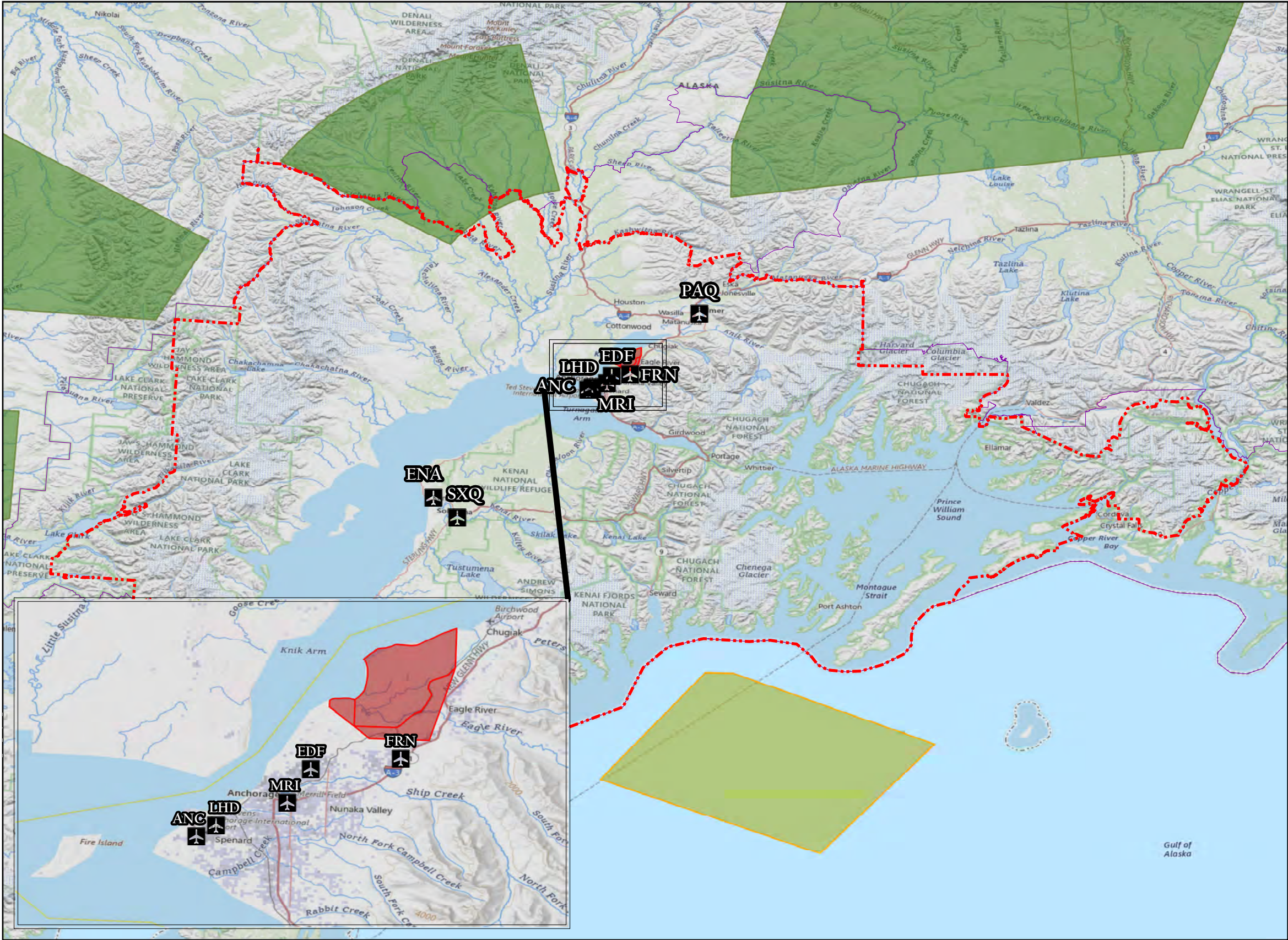
0 0.35 0.7 1.4 Miles



Sources: World Street map: Municipality of Anchorage, Matanuska-Susitna Borough GIS, Esri, Garmin, NGA, USGS, World Elevation 3D/Terrain3D: Airbus, USGS, NGA, NASA, CGIAR, NLS, OS, N, and the GIS User Community.  
Federal Aviation Administration, NFDC/CIIP airspace boundaries, waypoints and airports.  
Prepared by: ATAC Corporation, August 2026.

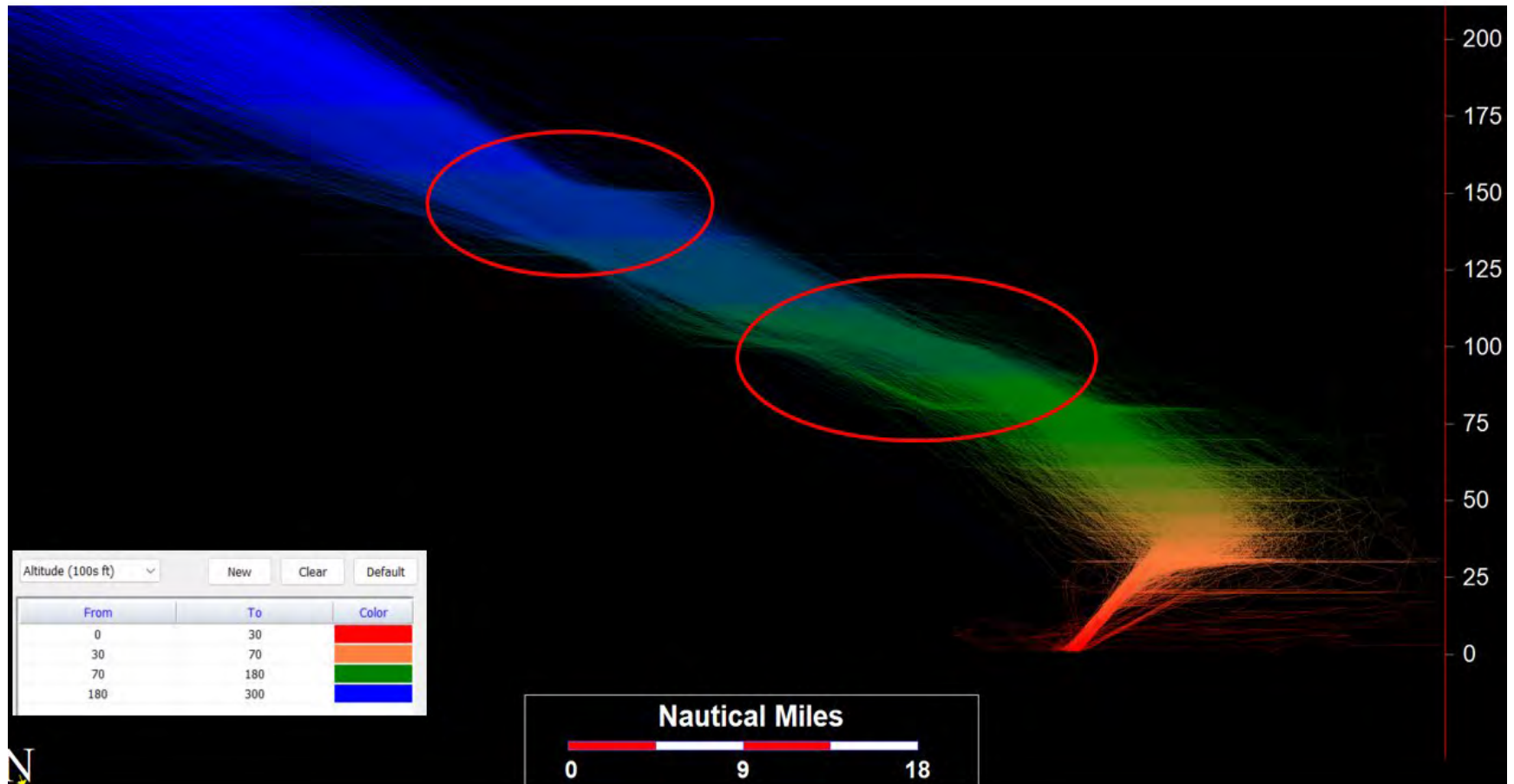
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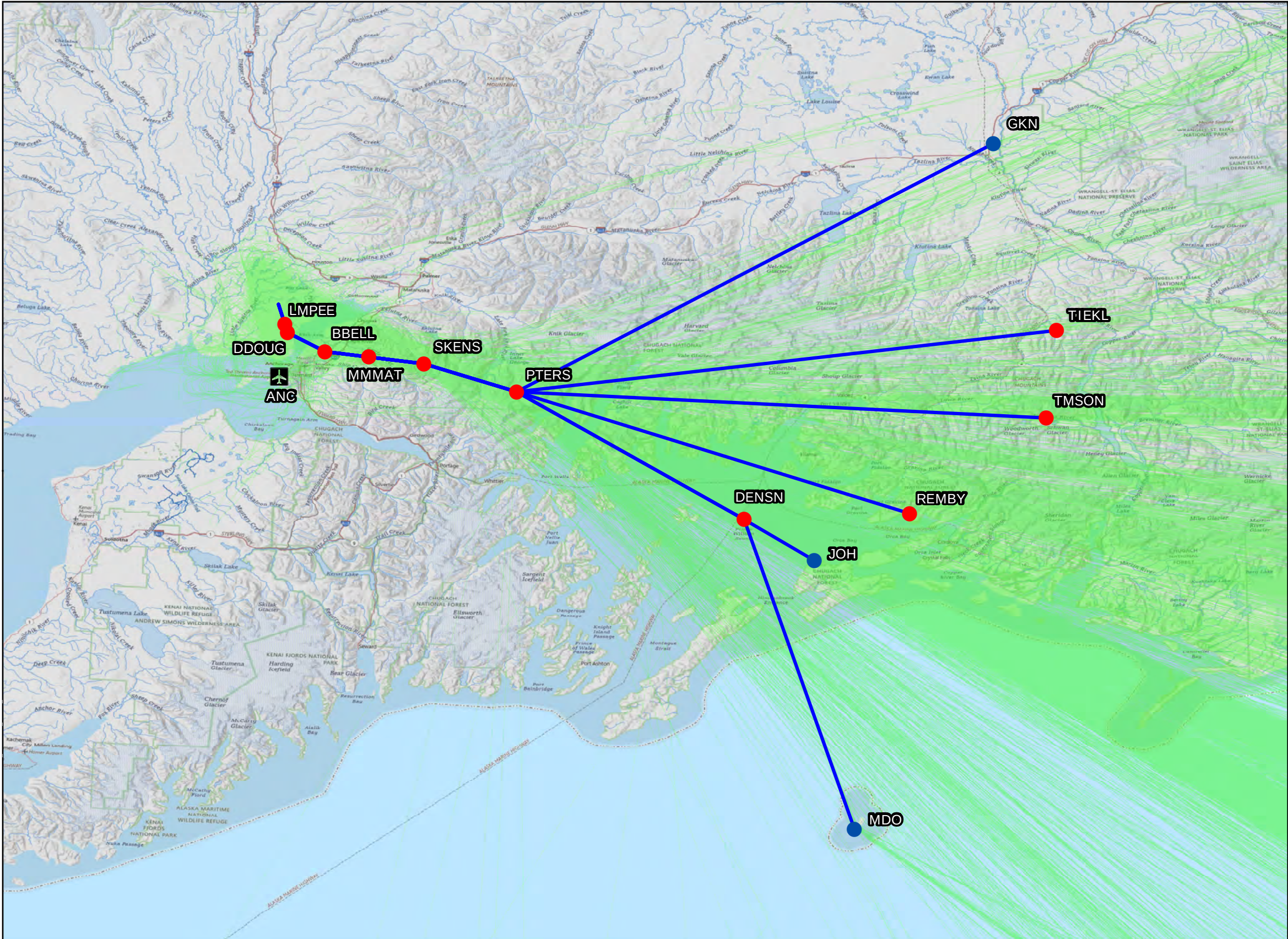
Anchorage Part 93 Airspace



Sources: USGS The National Map: National Boundaries Dataset, National Elevation Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset: U.S. Census Bureau TIGER/Line; HERE Road Data.  
Federal Aviation Administration, NFDC/CIFP airspace boundaries, waypoints and airports.  
Prepared by: ATAC Corporation, October 2026.

## Exhibit 2-1 ANC PTERS Arrivals





LEGEND

- Study Airport
- GPS-based Waypoint
- Ground-based Navigational Aid
- PTERS STAR**
- PTERS STAR
- Existing Conditions ANC PTERS Arrival Flight Track
- US State Tiger Line Boundary

Notes:  
Airport Identifier and Name:  
ANC - Ted Stevens Anchorage International Airport

Projection :GCS North American 1983  
Scale: 1:2,631,162

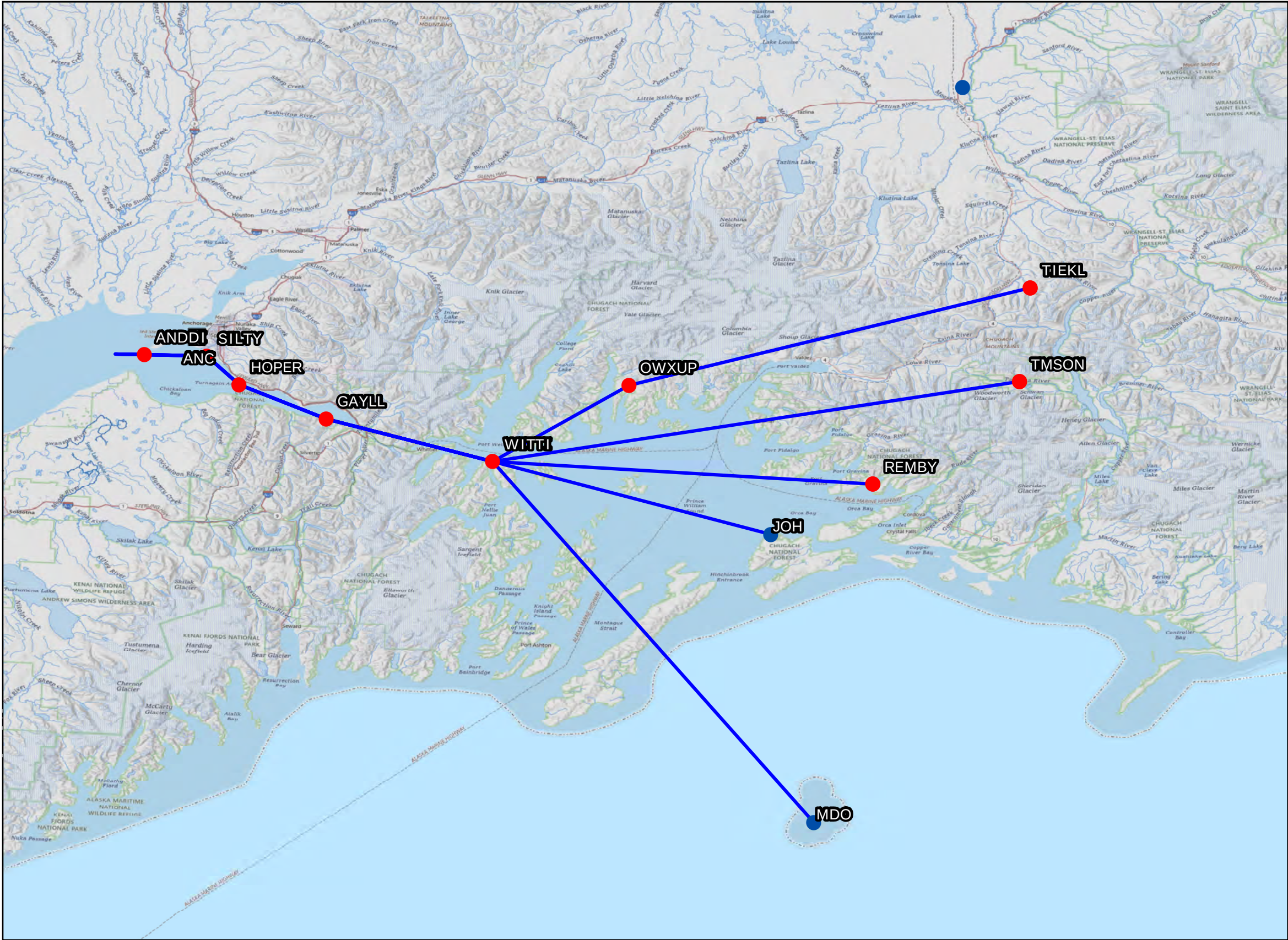
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Sources: USGS The National Map: National Boundaries Dataset, National Elevation Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset: U.S. Census Bureau TIGER/Line; HERE Road Data.  
Federal Aviation Administration, NFDC/CIFP procedures, waypoints and airports.Performance Data and Reporting System (PDARS), flight tracks.  
Prepared by: ATAC Corporation, October, 2023.

Exhibit 2-2

Existing Conditions ANC PTERS Arrivals



LEGEND

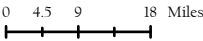
- Study Airport
- GPS-based Waypoint
- Ground-based Navigational Aid

WITTI SID

- WITTI SID
- US State Tiger Line Boundary

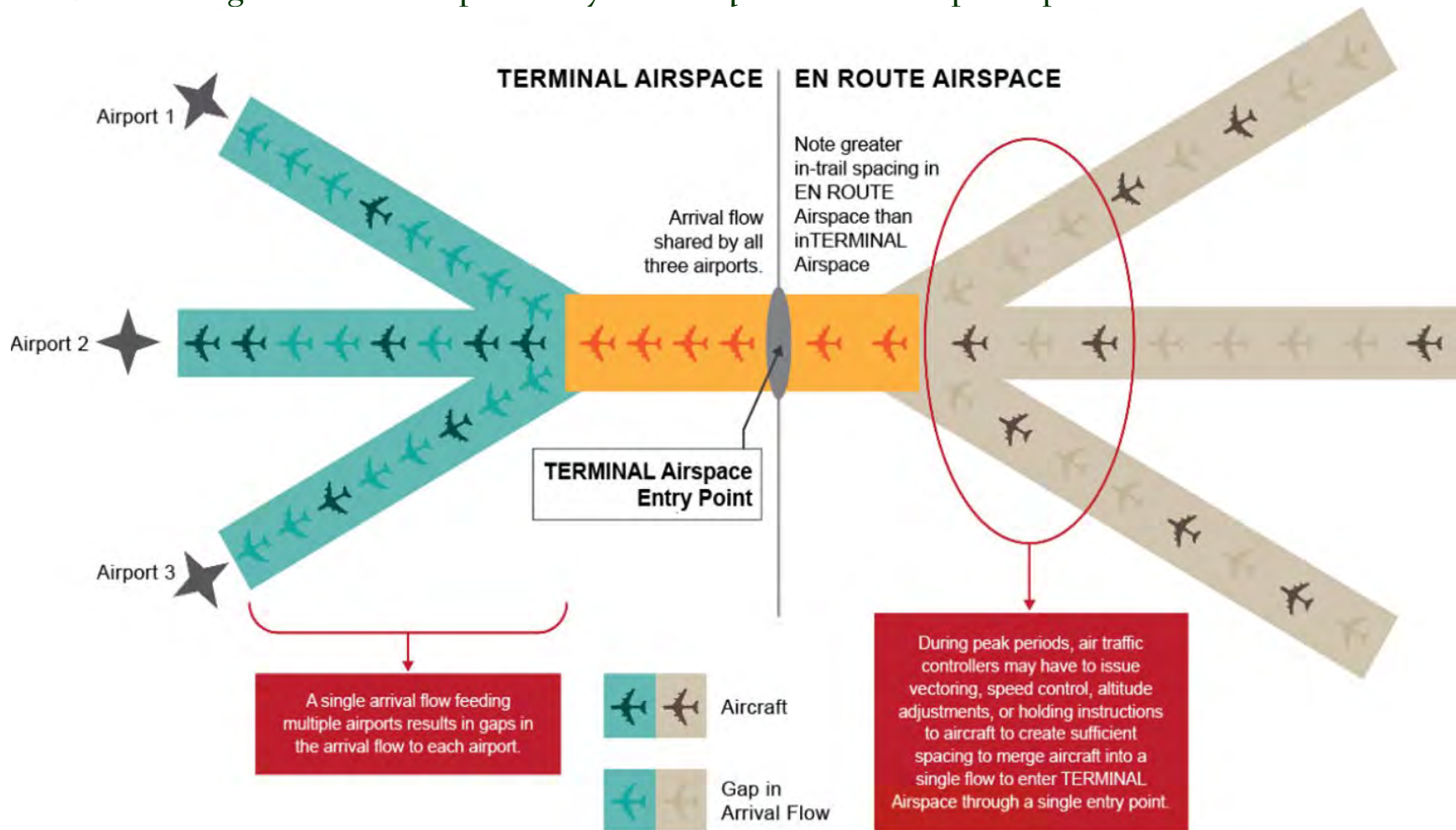
Notes:  
Airport Identifier and Name:  
ANC - Ted Stevens Anchorage International Airport

Projection: GCS North American 1983  
Scale: 1:2,631,162

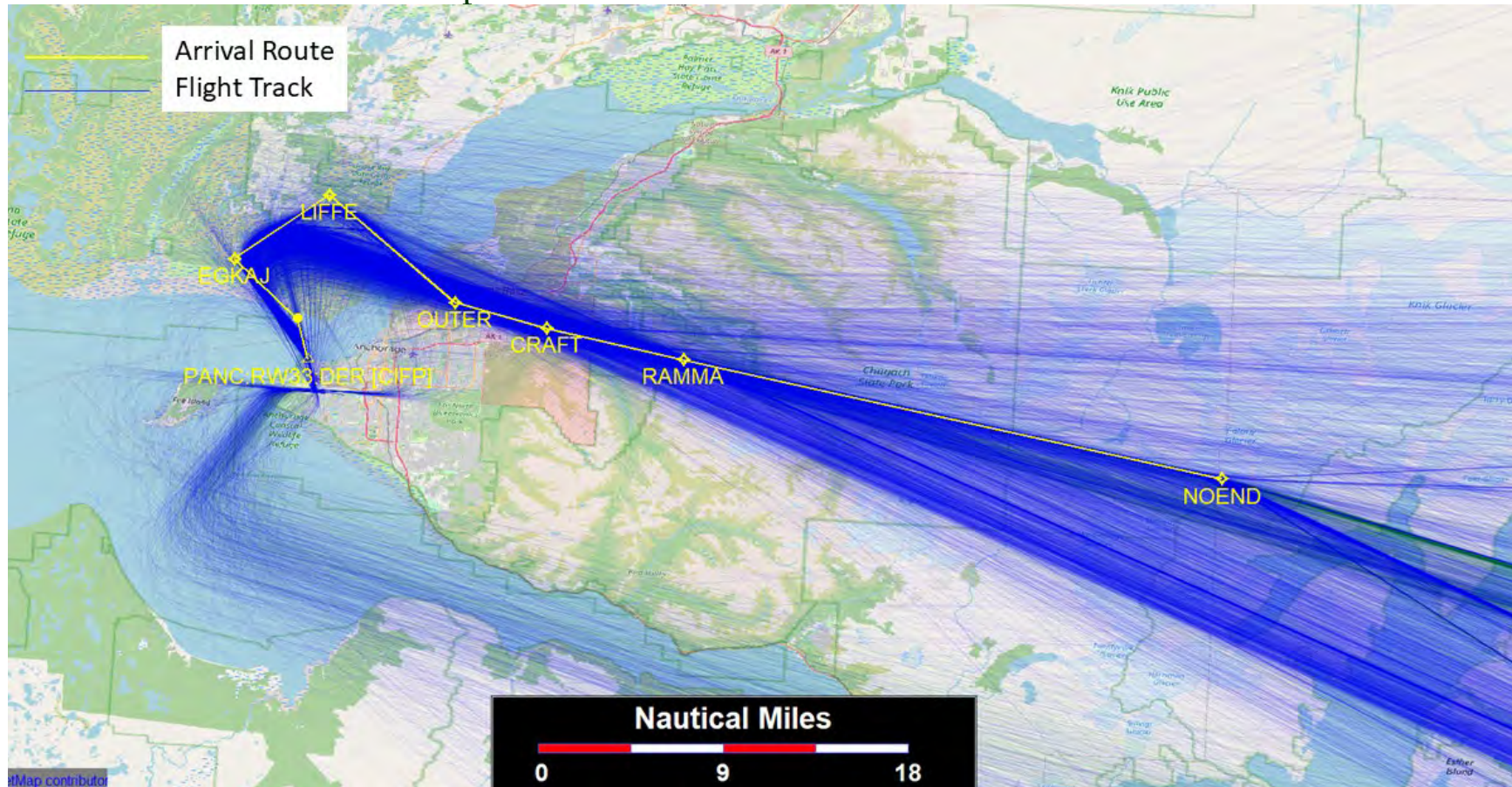


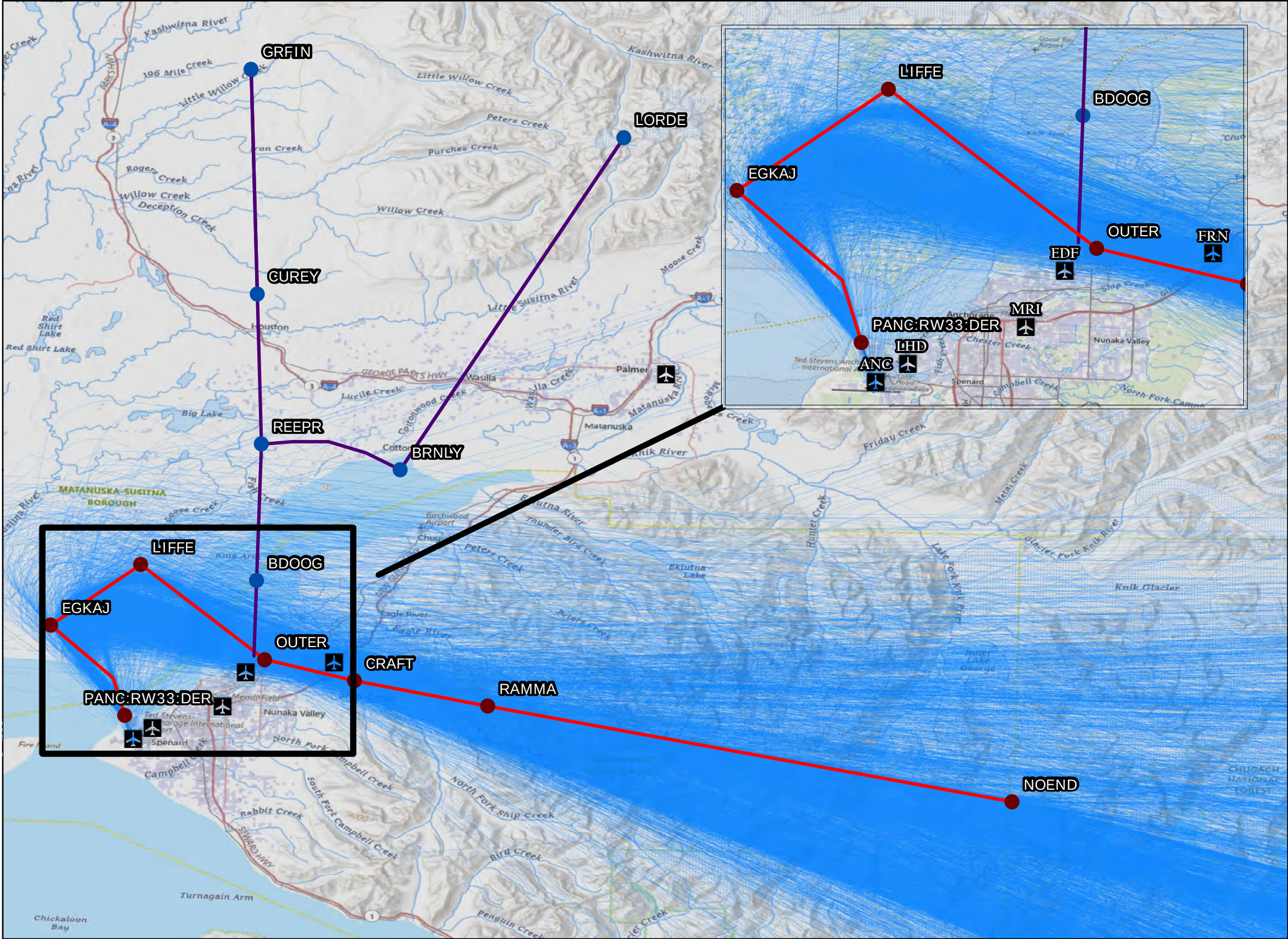
Sources: USGS The National Map: National Boundaries Dataset, National Elevation Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset: U.S. Census Bureau TIGER/Line; HERE Road Data.  
Federal Aviation Administration, NFDC/CIFF procedures, waypoints and airports. Performance Data and Reporting System (PDARS), flight tracks.  
Prepared by: ATAC Corporation, October, 2026.

## Exhibit 2-4 Single Terminal Airspace Entry Point Sequenced to Multiple Airports



## Exhibit 2-5 ANC Eastbound Departures





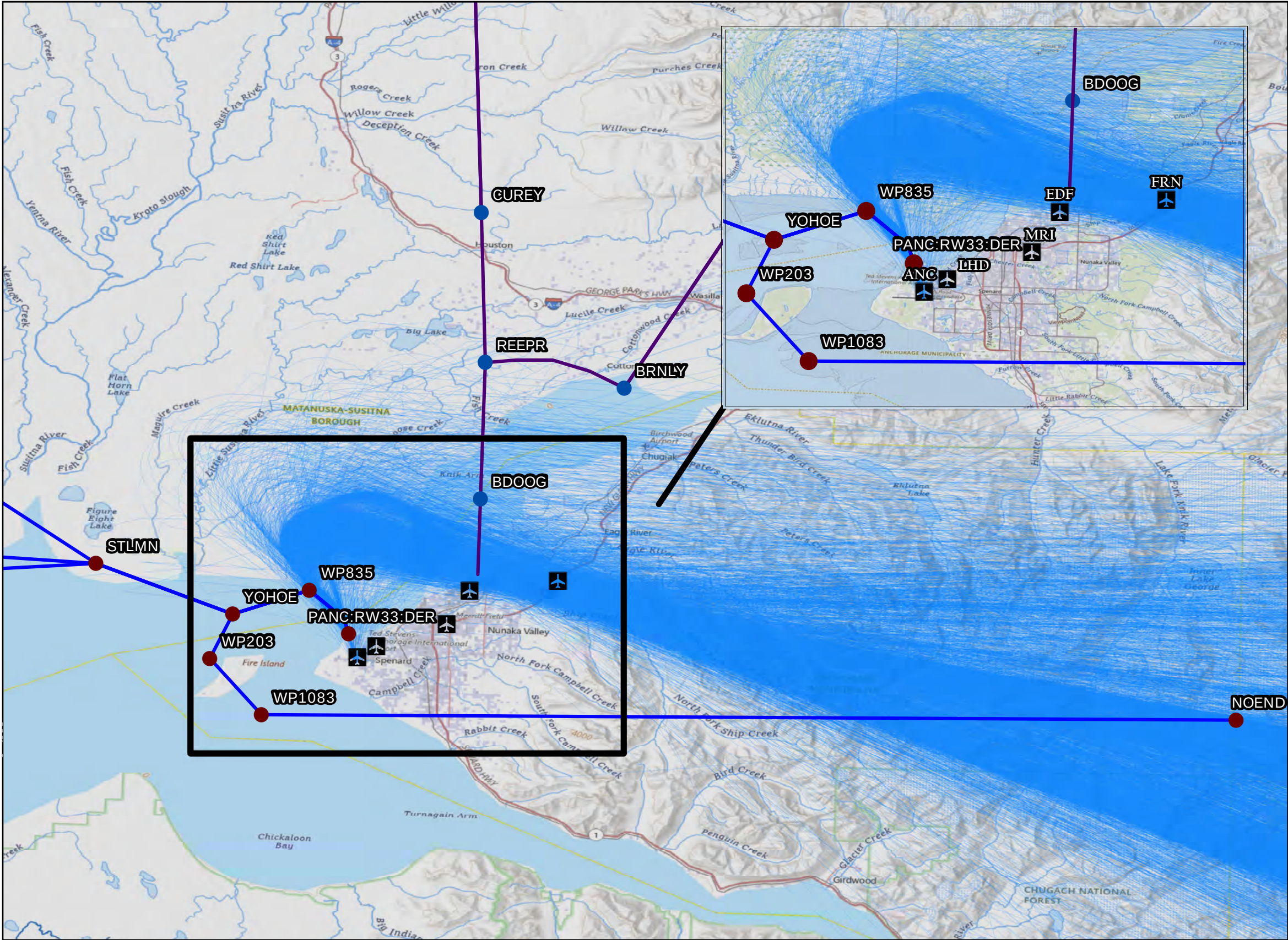
**LEGEND**

- Study Airport
- ILS Waypoint
- ILS RWY 17
- RNAV Waypoint
- NOEND SID
- Existing Conditions NOEND Flight Track
- US State Tiger Line Boundary

**Notes:**  
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MRI - Merrill Field  
PAQ - Palmer Airport  
SXQ - Soldotna Airport

Projection: GCS North American 1983  
Scale: 1:2,631,162

0 1.25 2.5 5 Miles



**LEGEND**

- Study Airport
- RNAV Waypoint
- Interim Proposed YOHOE SID
- ILS Waypoint
- ILS RWY 17
- Existing Conditions NOEND Flight Track
- US State Tiger Line Boundary

Notes:

Airport Identifier and Name:

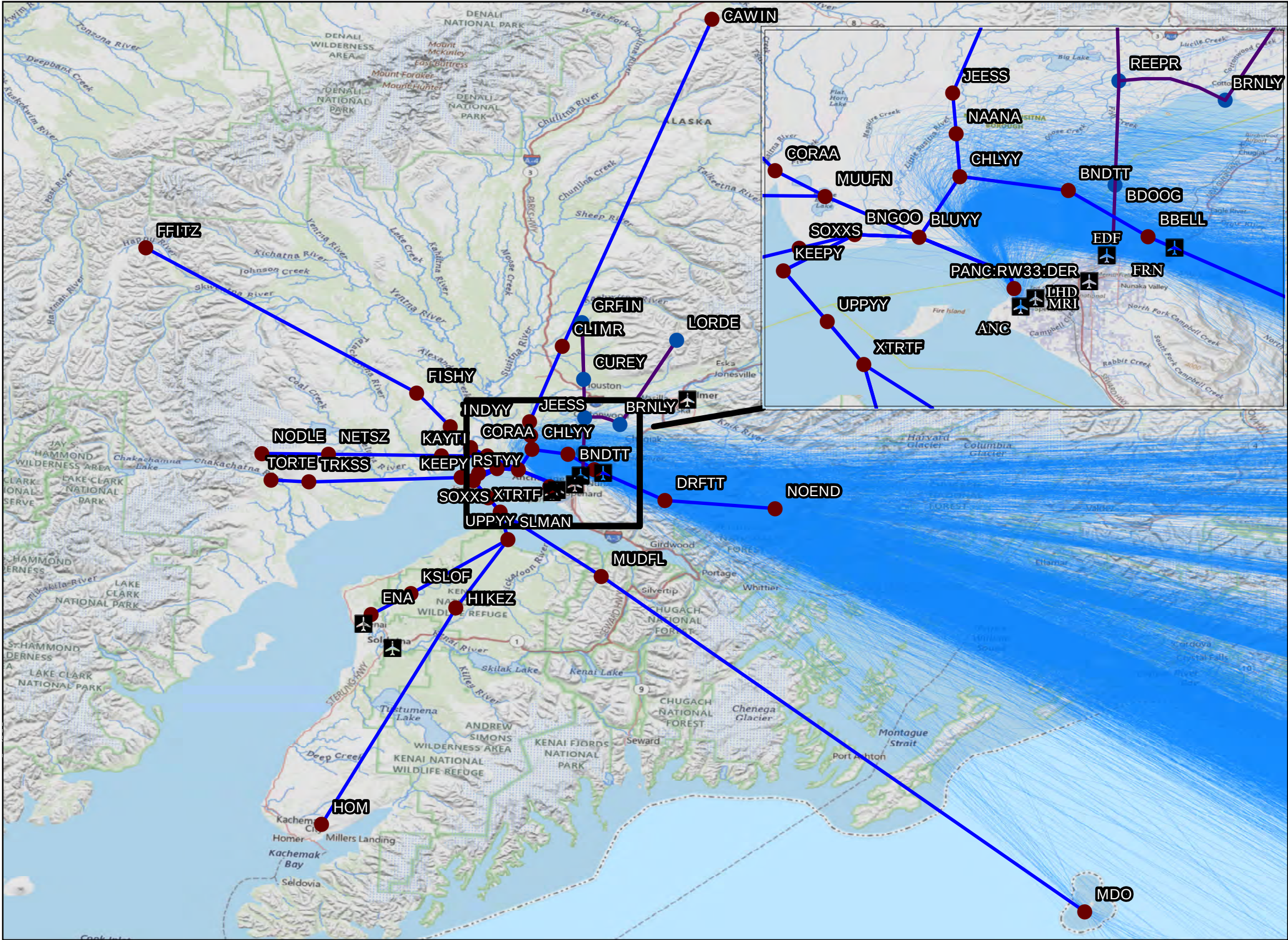
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Projection: GCS North American 1983  
Scale: 1:2,631,162

0 1.25 2.5 5 Miles

Sources: USGS The National Map: National Boundaries Dataset, National Elevation Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset: U.S. Census Bureau TIGER/Line; HERE Road Data. Federal Aviation Administration, NFDC/CIFP procedures, waypoints and airports. ATAC, Performance Data -and Reporting System (PDARS) flight tracks. Prepared by: ATAC Corporation, October, 2026.

Exhibit 3-2  
First Iteration of Eastbound ANC SID



**LEGEND**

- Study Airport
- ILS Waypoint
- EDF HI-ILS RWY 17
- RNAV Procedure Waypoint

**Proposed BLUYY SID**

- Proposed BLUYY SID
- Existing Conditions NOEND Flight Track
- US State Tiger Line Boundary

**Notes:**  
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Some waypoint names are omitted to improve readability and clarity.

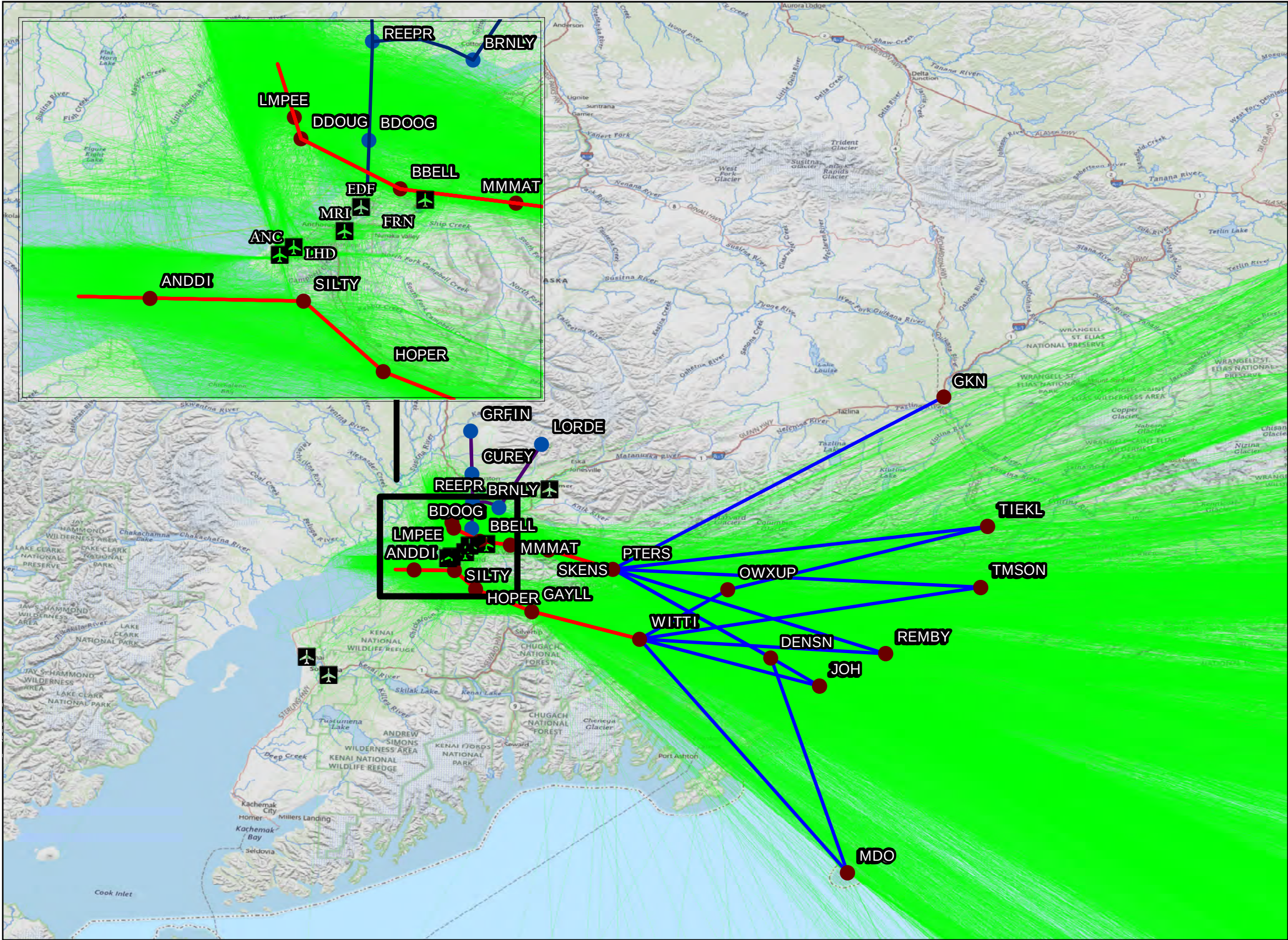
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Scale: 1:2,631,162

0 5 10 20 Miles

Sources: USGS The National Map: National Boundaries Dataset, National Elevation Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset: U.S. Census Bureau TIGER/Line; HERE Road Data.  
Federal Aviation Administration, NFDC/CIFP procedures, waypoints and airports. ATAC, Performance Data Analysis and Reporting System (PDARS) flight tracks.  
Prepared by: ATAC Corporation, October, 2026.

Exhibit 3-3

ANC BLUYY SID – Final Proposed Design



LEGEND

- Study Airport
- Existing Conditions PTERS/WITTI STARs**
- Enroute transition
- Runway Transition
- Procedure Waypoint
- ILS Waypoint
- ILS RWY 17
- Existing Conditions PTERS/WITTI Flight Track
- US State Tiger Line Boundary

Notes:  
Airport Identifier and Name:  
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LHD - Lake Hood Seaplane Base  
MRI - Merrill Field  
PAQ - Palmer Airport  
SXQ - Soldotna Airport

Some waypoint names are omitted to improve readability and clarity

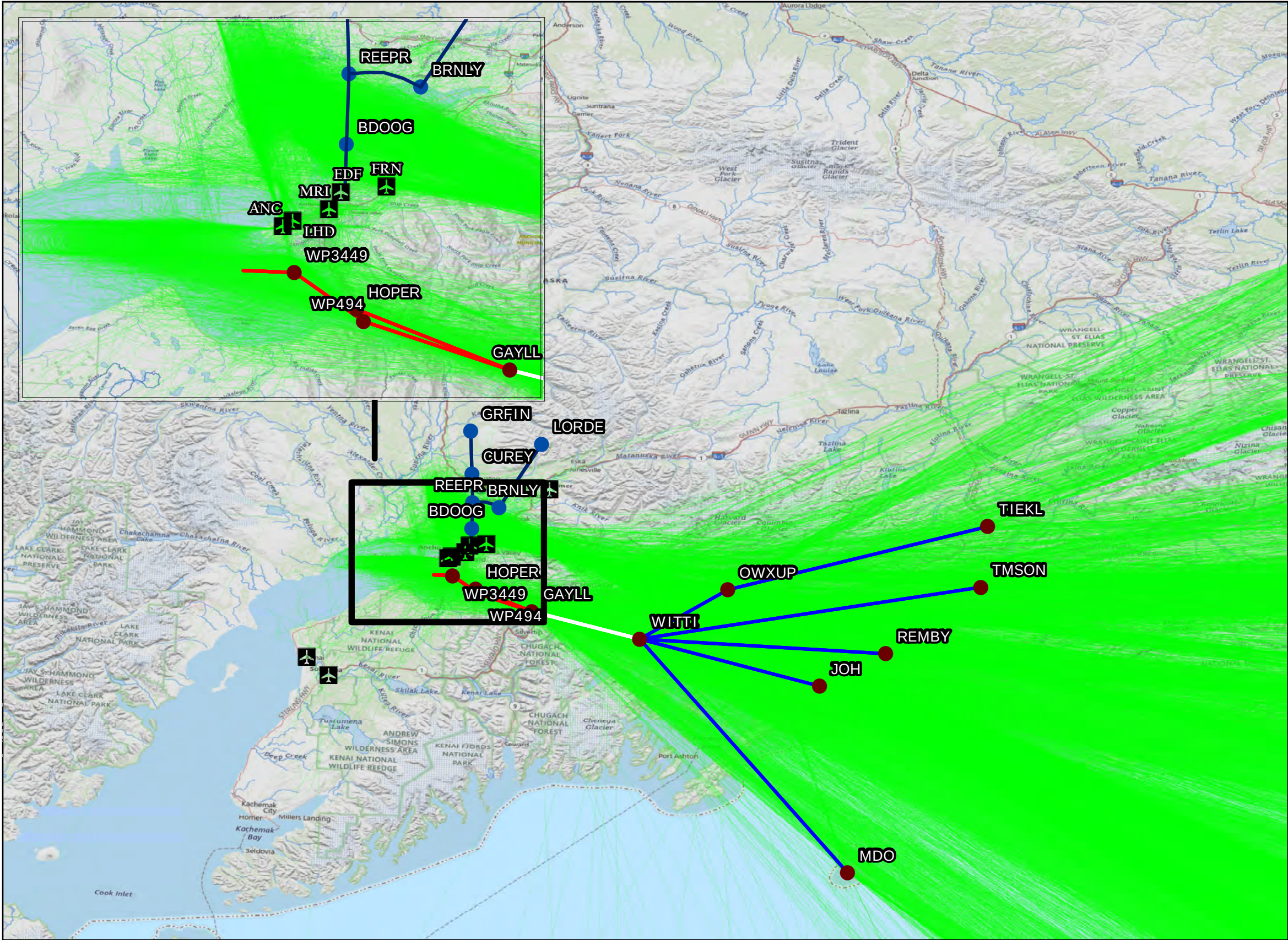
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Scale: 1:2,631,162

0 5 10 20 Miles

Sources: USGS The National Map: National Boundaries Dataset, National Elevation Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset: U.S. Census Bureau TIGER/Line; HERE Road Data.  
Federal Aviation Administration, NFDC/CIFP procedures, waypoints and airports. ATAC, Performance Data Analysis and Reporting System (PDARS) flight tracks.  
Prepared by: ATAC Corporation, October, 2026.

Exhibit 3-4

Current Procedures – PTERS and WITTI STARs



LEGEND

- Study Airport
- Interim Proposed WITT STAR**
- Enroute Transition
- Runway Transition
- Procedure Waypoint
- ILS Waypoint
- ILS RWY 17
- Existing Conditions PTERS/WITT Flight Track
- US State Tiger Line Boundary

Notes:  
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Some waypoint names are omitted to improve readability and clarity

Projection: GCS North American 1983  
Scale: 1:2,631,162

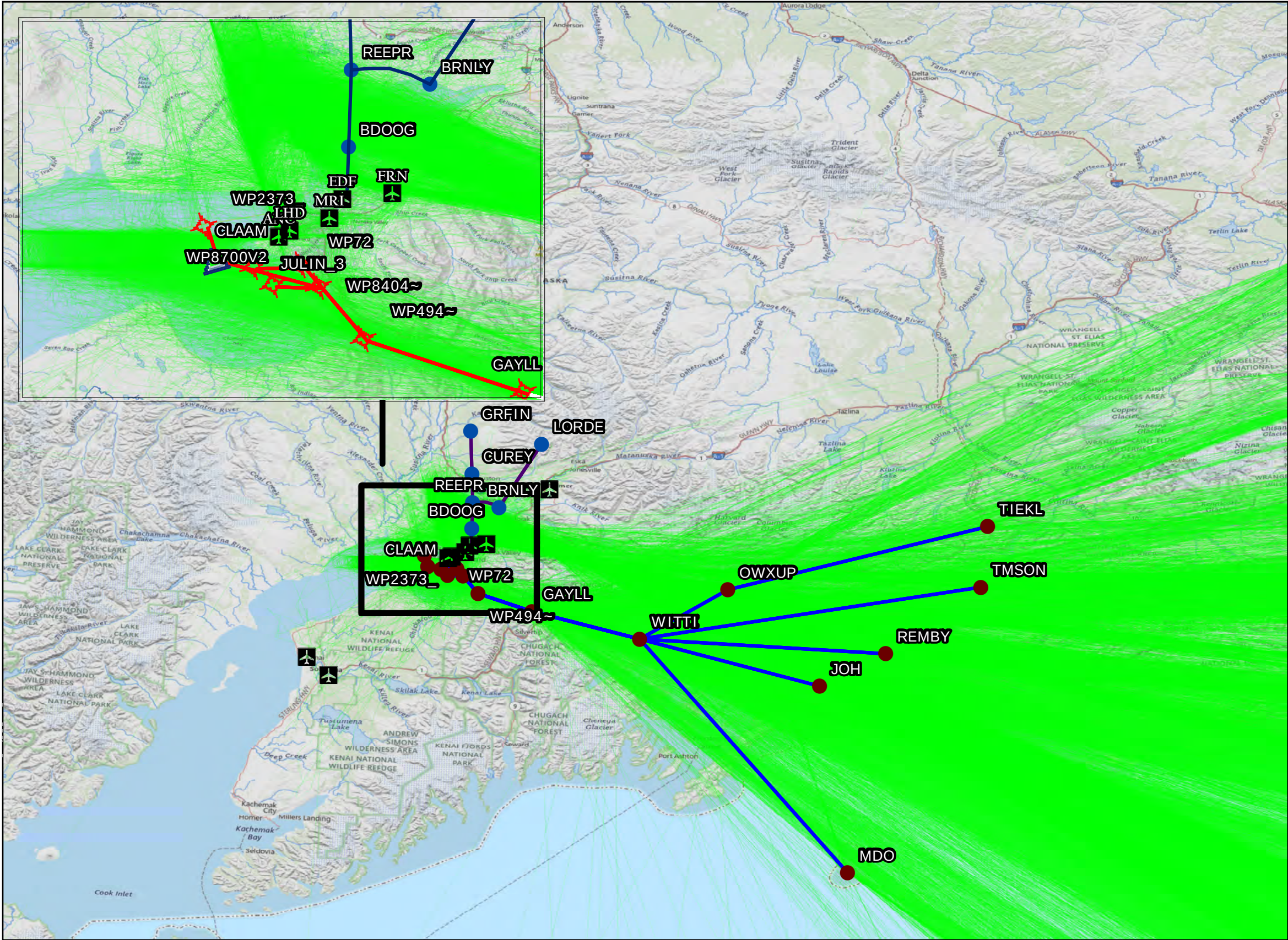
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Sources: USGS The National Map: National Boundaries Dataset, National Elevation Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset: U.S. Census Bureau TIGER/Line; HERE Road Data.  
Federal Aviation Administration, NFDC/CIFP procedures, waypoints and airports. ATAC, Performance Data Analysis and Reporting System (PDARS) flight tracks.  
Prepared by: ATAC Corporation, October, 2026.

Exhibit 3-5

Interim Design – Up-Numbered WITT STAR



LEGEND

- Study Airport
- WITTI STAR Final Proposed Design
- Procedure Waypoint
- ILS Waypoint
- ILS RWY 17
- Existing Conditions PTERS/WITTI Flight Track
- US State Tiger Line Boundary

Notes:  
Airport Identifier and Name:  
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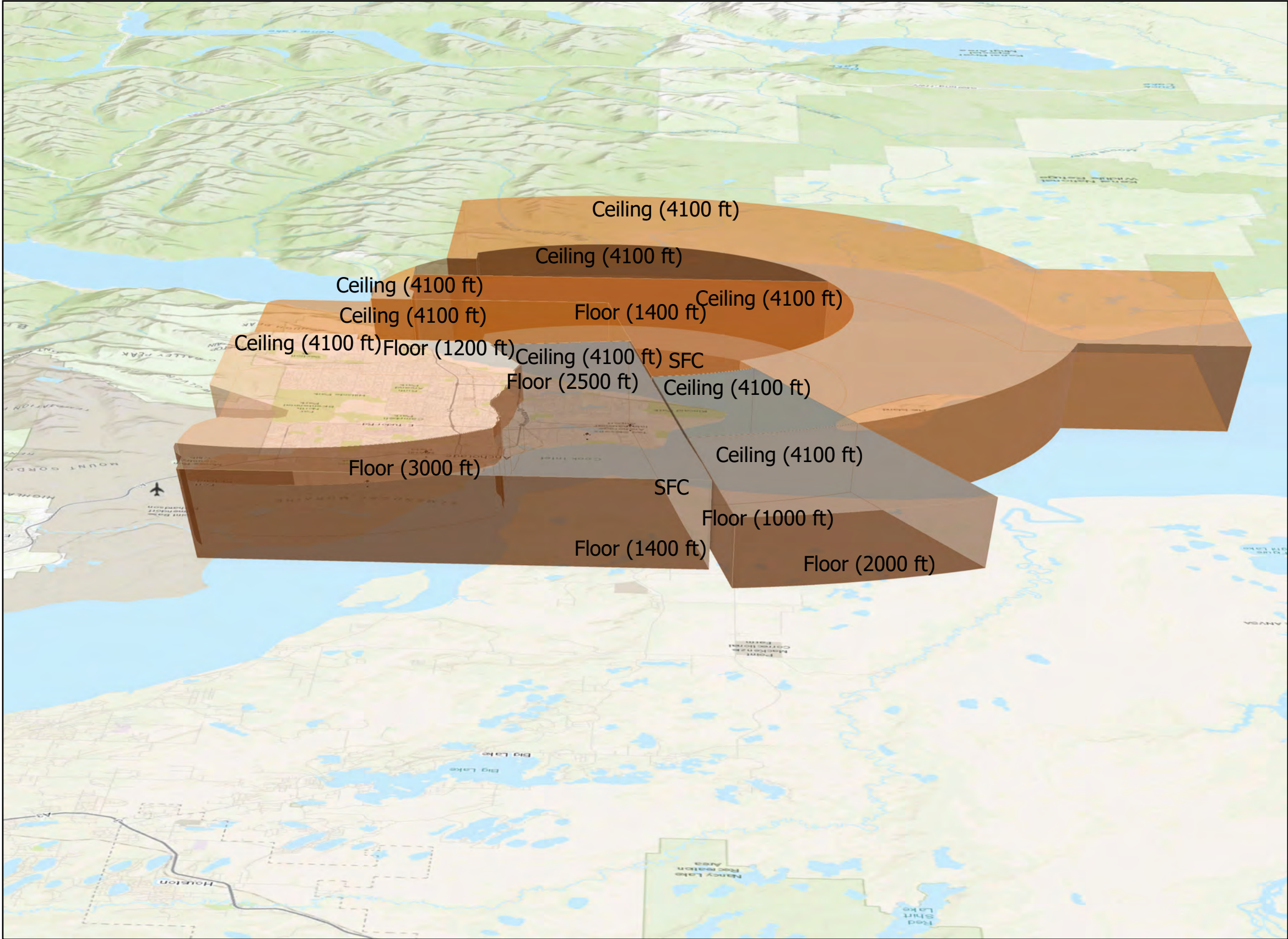
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Sources: USGS The National Map: National Boundaries Dataset, National Elevation Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset: U.S. Census Bureau TIGER/Line; HERE Road Data.  
Federal Aviation Administration, NFDC/CIFP procedures, waypoints and airports. ATAC, Performance Data Analysis and Reporting System (PDARS) flight tracks.  
Prepared by: ATAC Corporation, October, 2026.

Exhibit 3-6

WITTI STAR – Proposed Update



LEGEND

- ✈ Airports
- Airspace ANC AREA A
- Airspace ANC AREA B
- Airspace ANC AREA C
- Airspace ANC AREA D
- Airspace ANC AREA E
- Airspace ANC AREA F
- Airspace ANC AREA G
- Airspace ANC AREA H
- Airspace ANC AREA I

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0 0.65 1.3 2.6 Miles



Sources: World Street map: Municipality of Anchorage, Matanuska-Susitna Borough GIS, Esri, Garmin, NGA, USGS, World Elevation 3D/Terrain3D: Airbus, USGS, NGA, NASA, CGIAR, NLS, OS, N, and the GIS User Community.  
Federal Aviation Administration, NFDC/CIFP airspace boundaries, waypoints and airports.  
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Exhibit 3-7-1

ATAAPS Proposed Action  
ANC Class C Airspace

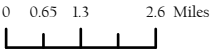


LEGEND

- ✈ Airports
- Airspace ANC Part 93  
Lake Otis Segment

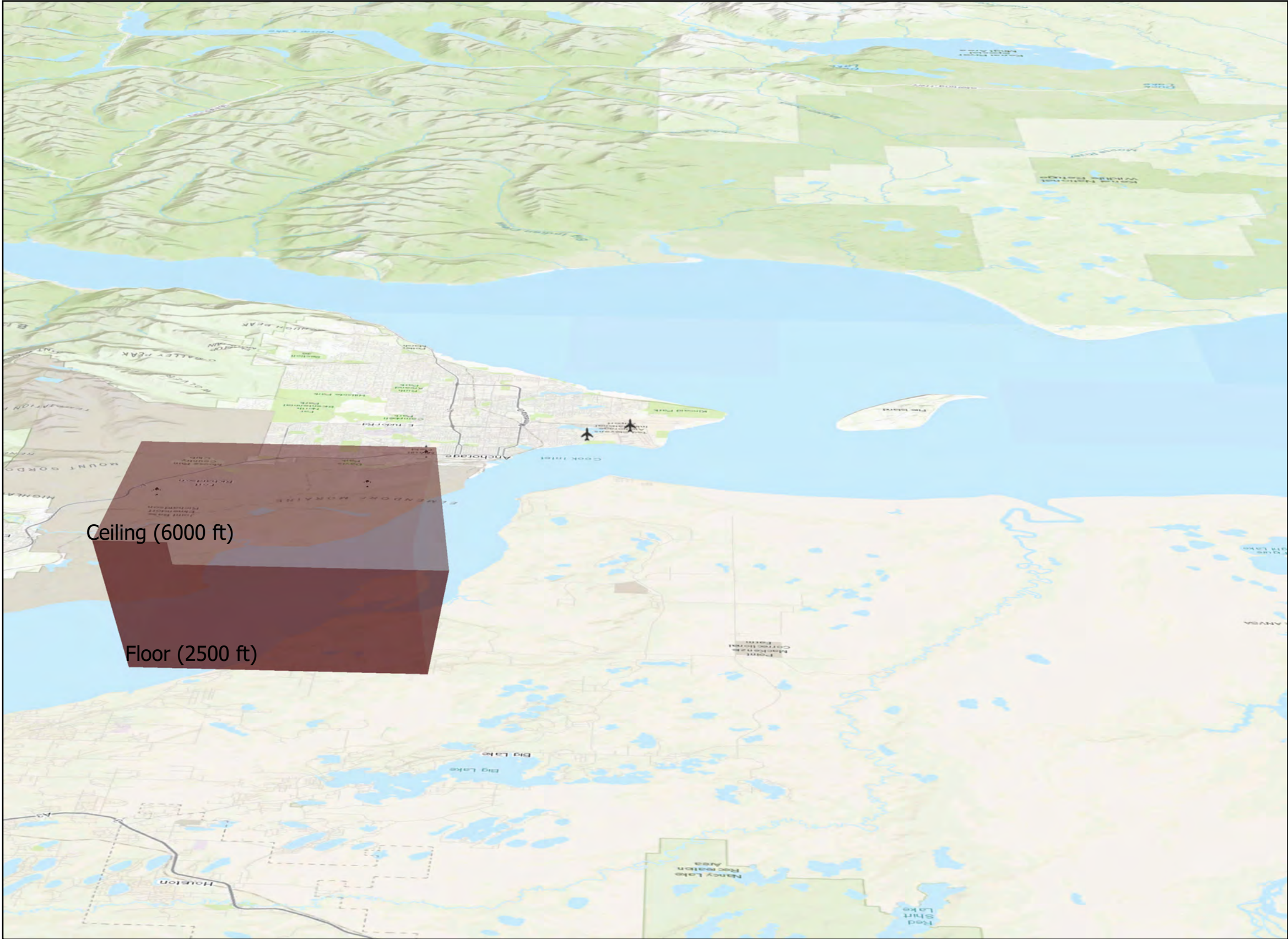
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Federal Aviation Administration, NFDC/CIFP airspace boundaries, waypoints and airports.  
Prepared by: ATAC Corporation, October 2026.

Exhibit 3-7-2  
ATAAPS Proposed Action Airspace  
ANC Part 93 Lake Otis Segment

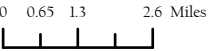


LEGEND

- Airports
- Airspace ANC Part 93 Valley Segment

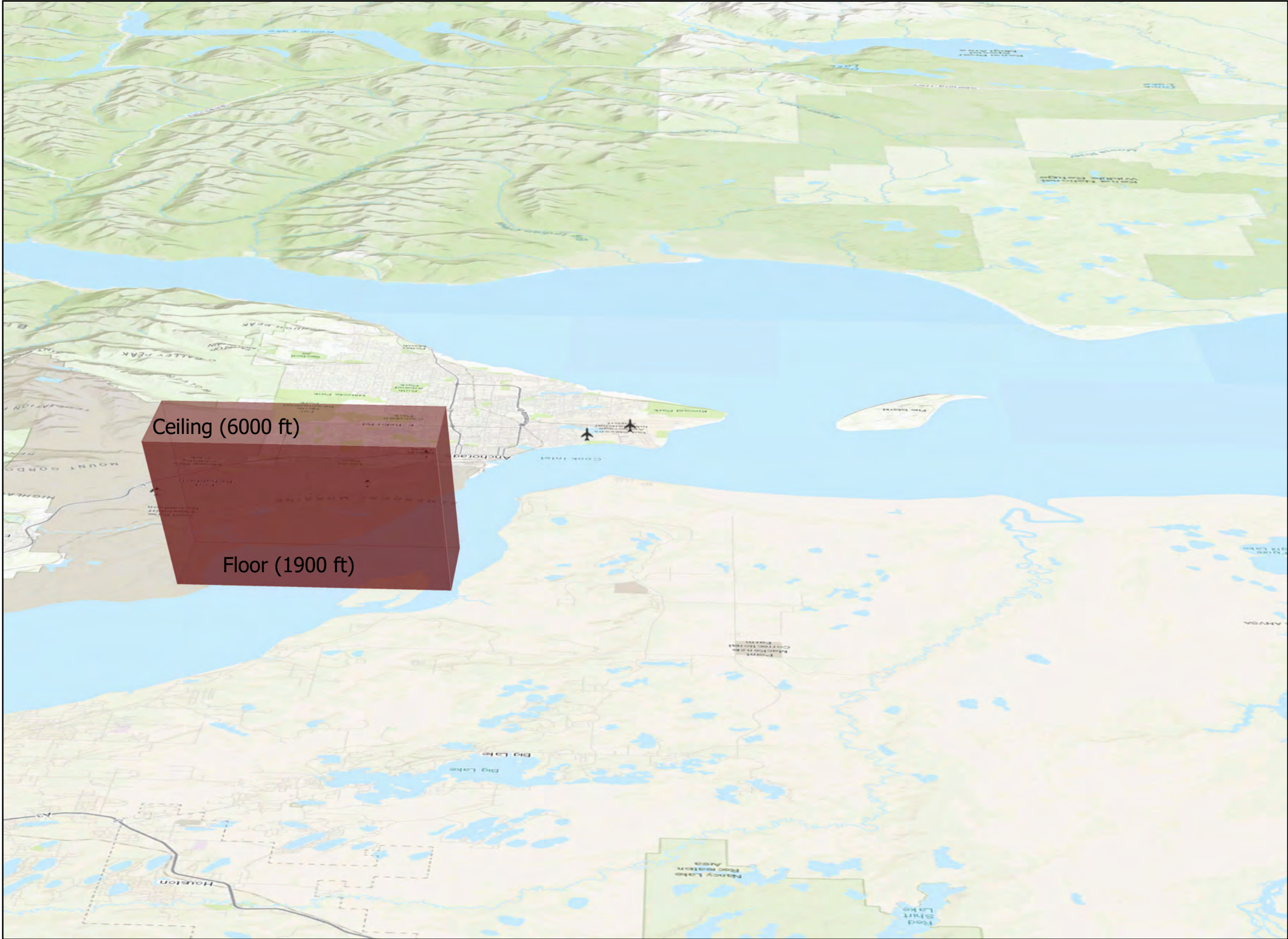
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Sources: World Street map: Municipality of Anchorage, Matanuska-Susitna Borough GIS, Esri, Garmin, NGA, USGS, World Elevation 3D/Terrain3D: Airbus, USGS, NGA, NASA, CGIAR, NLS, OS, N, and the GIS User Community.  
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Prepared by: ATAC Corporation, October 2026.

Exhibit 3-7-3  
ATAAPS Proposed Action Airspace  
ANC Part 93 Valley Segment

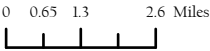


LEGEND

- ✈ Airports
- Airspace ANC Part 93  
Goose Bay Segment

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MRI - Merrill Field

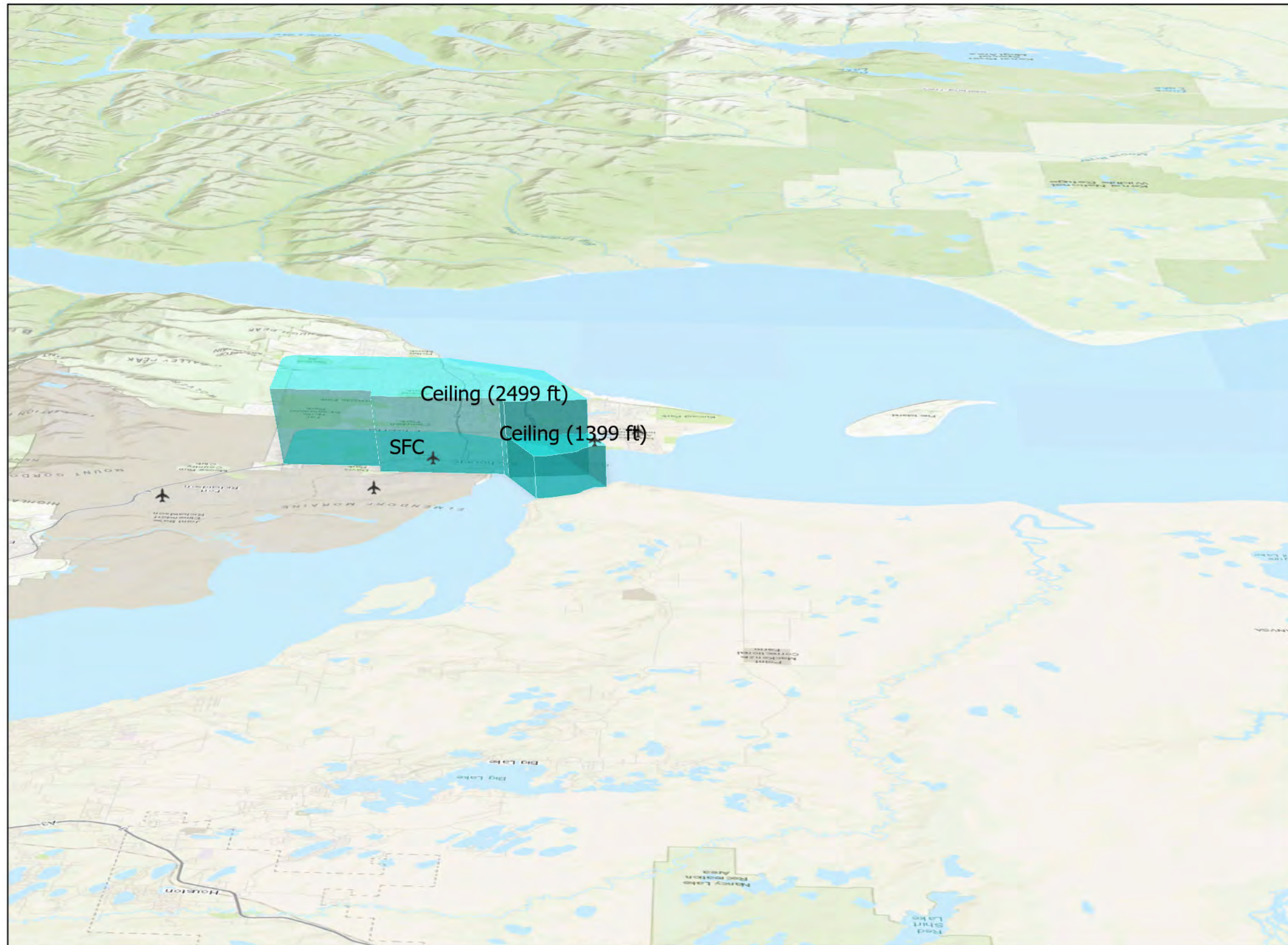
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Prepared by: ATAC Corporation, October 2026.

Exhibit 3-7-4

ATAAPS Proposed Action Airspace  
ANC Part 93 Goose Bay Segment



#### LEGEND

-  Airports
-  Airspace MRI Delta
-  Airspace MRI SHELF

#### Notes:

##### Airport Identifier and Name:

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0 0.65 1.3 2.6 Miles



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Federal Aviation Administration, NFDC/CIFF airspace boundaries, waypoints and airports.  
Prepared by: ATAC Corporation, October 2026.

Exhibit 3-7-5

ATAAPS Proposed Action Airspace  
MRI Delta

DRAFT

October 2026



LEGEND

- Airports
- Airspace LHD Delta
- Airspace LHD SHELF

Notes:  
Airport Identifier and Name:  
ANC - Ted Stevens Anchorage International Airport  
EDF - Elmendorf Air Force Base  
FRN - Bryant Army Airfield  
LHD - Lake Hood Seaplane Base  
MRI - Merrill Field

Projection: GCS North American 1983  
Scale: 1:2,631,162

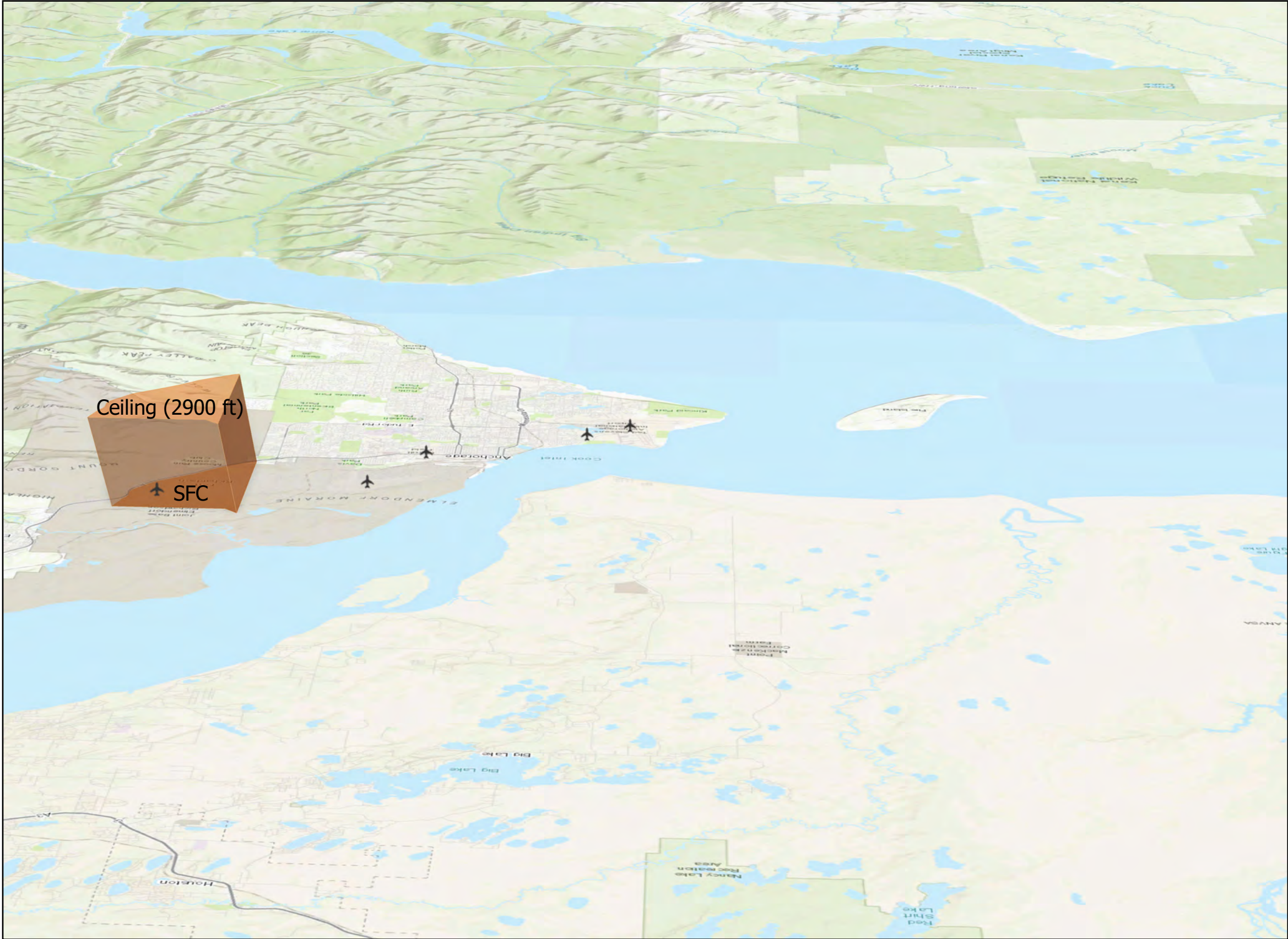
0 0.65 1.3 2.6 Miles



Sources: World Street map: Municipality of Anchorage, Matanuska-Susitna Borough GIS, Esri, Garmin, NGA, USGS, World Elevation 3D/Terrain3D: Airbus, USGS, NGA, NASA, CGIAR, NLS, OS, N, and the GIS User Community.  
Federal Aviation Administration, NFDC/CIFF airspace boundaries, waypoints and airports.  
Prepared by: ATAC Corporation, October 2026.

Exhibit 3-7-6

ATAAPS Proposed Action Airspace  
LHD Delta

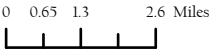


LEGEND

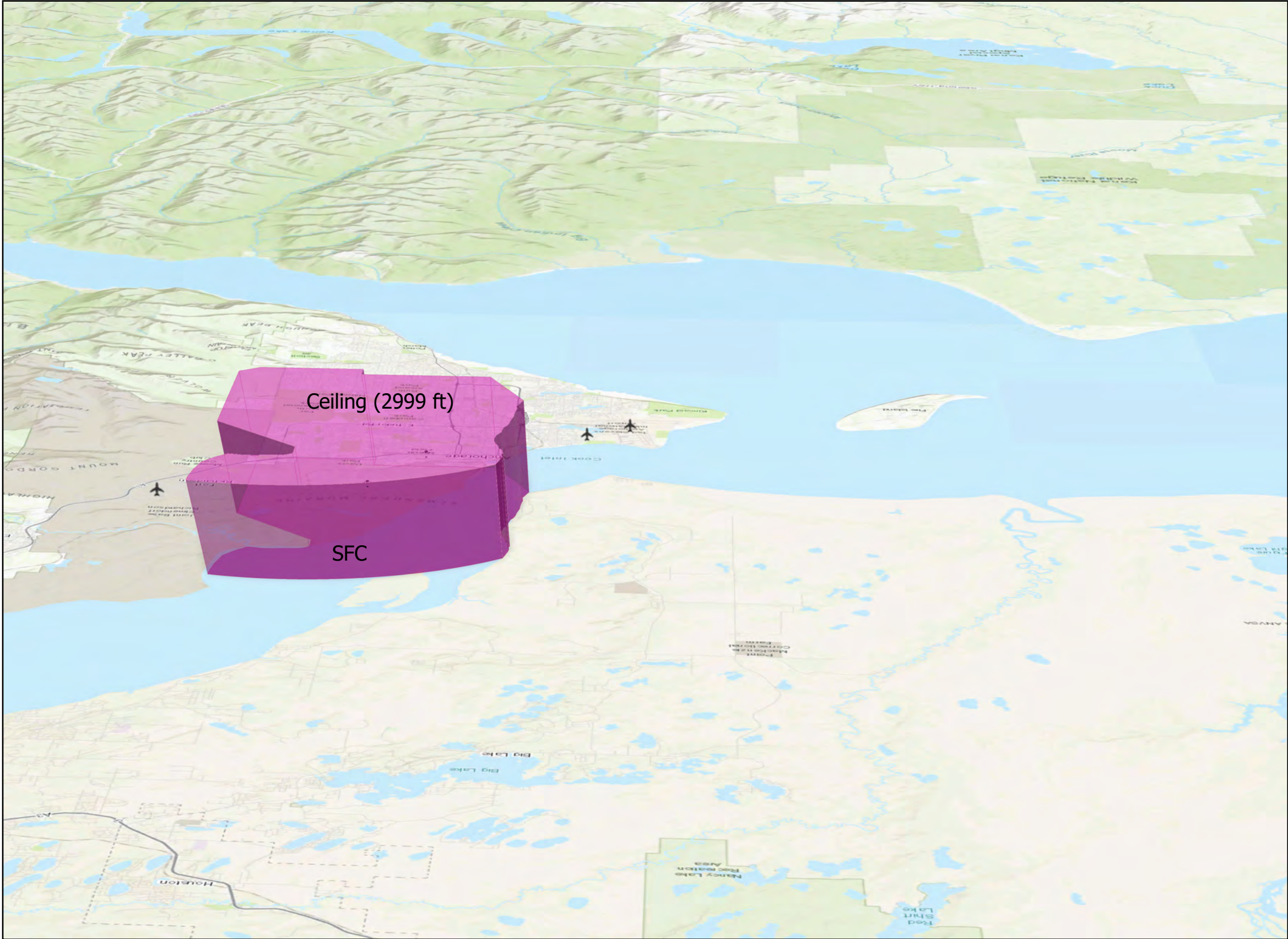
- ✈ Airports
- Airspace FRN Delta

Notes:  
Airport Identifier and Name:  
ANC - Ted Stevens Anchorage International Airport  
EDF - Elmendorf Air Force Base  
FRN - Bryant Army Airfield  
LHD - Lake Hood Seaplane Base  
MRI - Merrill Field

Projection : GCS North American 1983  
Scale: 1:2,631,162



Sources: World Street map: Municipality of Anchorage, Matanuska-Susitna Borough GIS, Esri, Garmin, NGA, USGS, World Elevation 3D/Terrain3D: Airbus, USGS, NGA, NASA, CGIAR, NLS, OS, N, and the GIS User Community.  
Federal Aviation Administration, NFDC/CIFP airspace boundaries, waypoints and airports.  
Prepared by: ATAC Corporation, October 2026.



LEGEND

- ✈ Airports
- Airspace EDF Delta

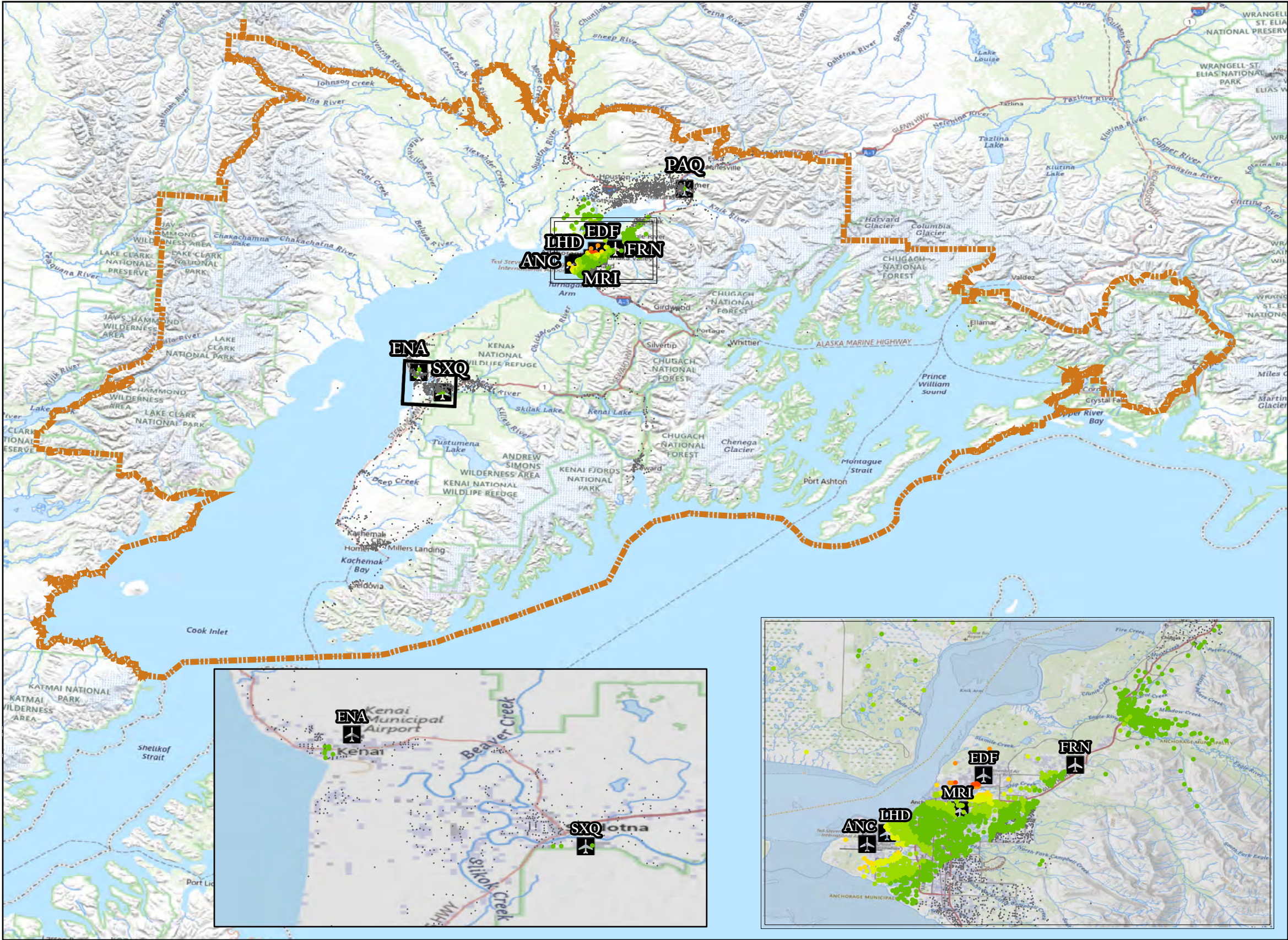
Notes:  
Airport Identifier and Name:  
ANC - Ted Stevens Anchorage International Airport  
EDF - Elmendorf Air Force Base  
FRN - Bryant Army Airfield  
LHD - Lake Hood Seaplane Base  
MRI - Merrill Field

Projection : GCS North American 1983  
Scale: 1:2,631,162

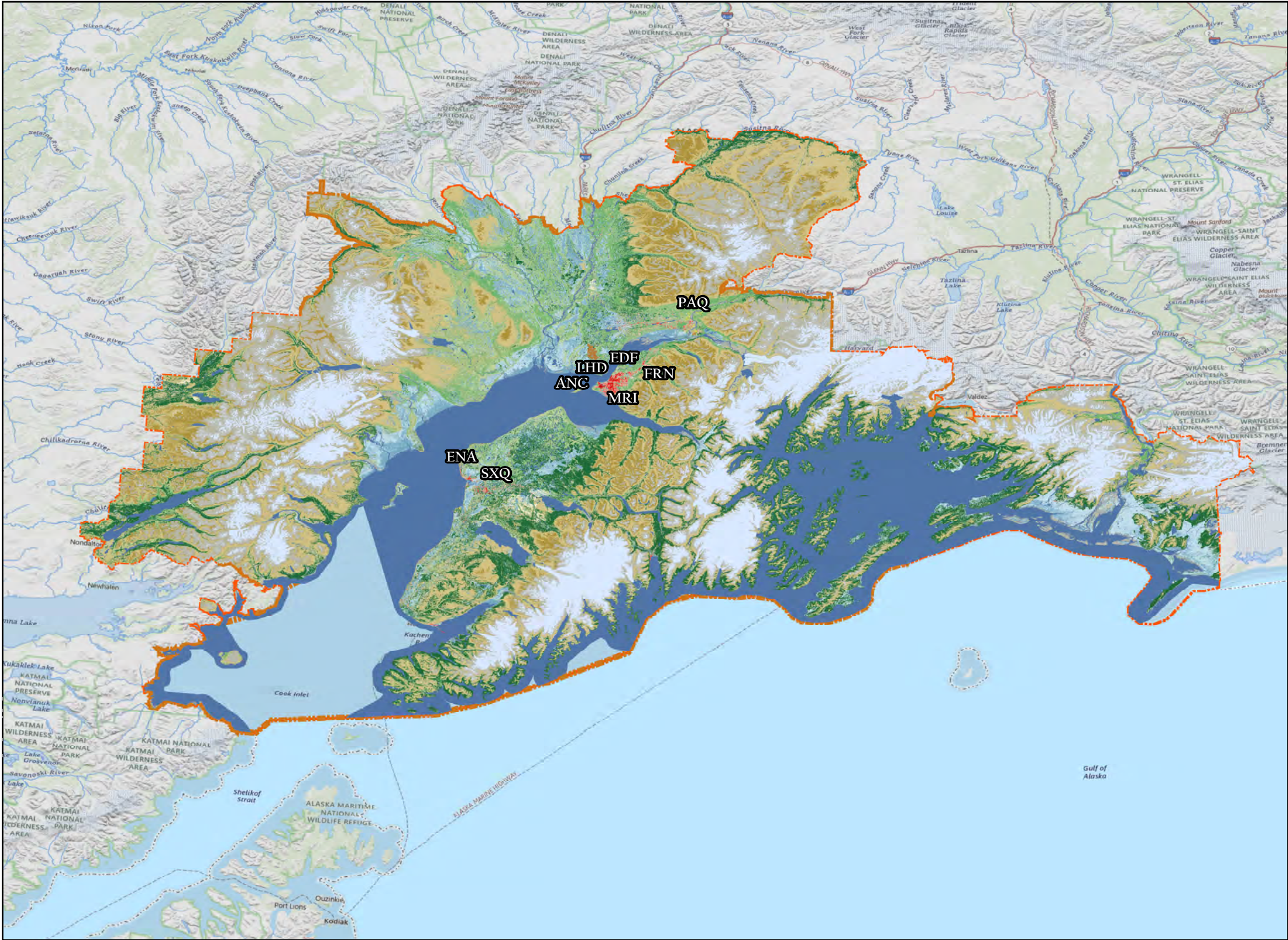
0 0.65 1.3 2.6 Miles



Sources: World Street map: Municipality of Anchorage, Matanuska-Susitna Borough GIS, Esri, Garmin, NGA, USGS, World Elevation 3D/Terrain3D: Airbus, USGS, NGA, NASA, CGIAR, NLS, OS, N, and the GIS User Community.  
Federal Aviation Administration, NFDC/CIFP airspace boundaries, waypoints and airports.  
Prepared by: ATAC Corporation, October 2026.



Sources: USGS The National Map: National Boundaries Dataset, National Elevation Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset: U.S. Census Bureau TIGER/Line; HERE Road Data.  
Federal Aviation Administration, NFDC/CIFP airspace boundaries, waypoints and airports. ATAC Corp. AEDT 3e Existing Conditions census centroid noise results  
Prepared by: ATAC Corporation, September 2026.



LEGEND

N/A

Open Water

Perennial Ice/Snow

Developed, Open Space

Developed, Low Intensity

Developed, Medium Intensity

Developed, High Intensity

Barren Land (Rock/Sand/Clay)

Deciduous Forest

Evergreen Forest

Mixed Forest

Dwarf Scrub

Shrub/Scrub

Grassland/Herbaceous

Sedge/Herbaceous

Moss

Pasture/Hay

Cultivated Crops

Woody Wetlands

Emergent Herbaceous Wetlands

General Study Area

I8K Supplemental Boundary\_V2

Study Airport Legend

US State Tiger Line Boundary

Notes:

Airport Identifier and Name:

ANC - Ted Stevens Anchorage International Airport

EDF - Elmendorf Air Force Base

ENA - Kenai Municipal Airport

FRN - Bryant Army Airfield

LHD - Lake Hood Seaplane Base

MRI - Merrill Field

PAQ - Palmer Airport

SXQ - Soldotna Airport

Projection :GCS North American 1983

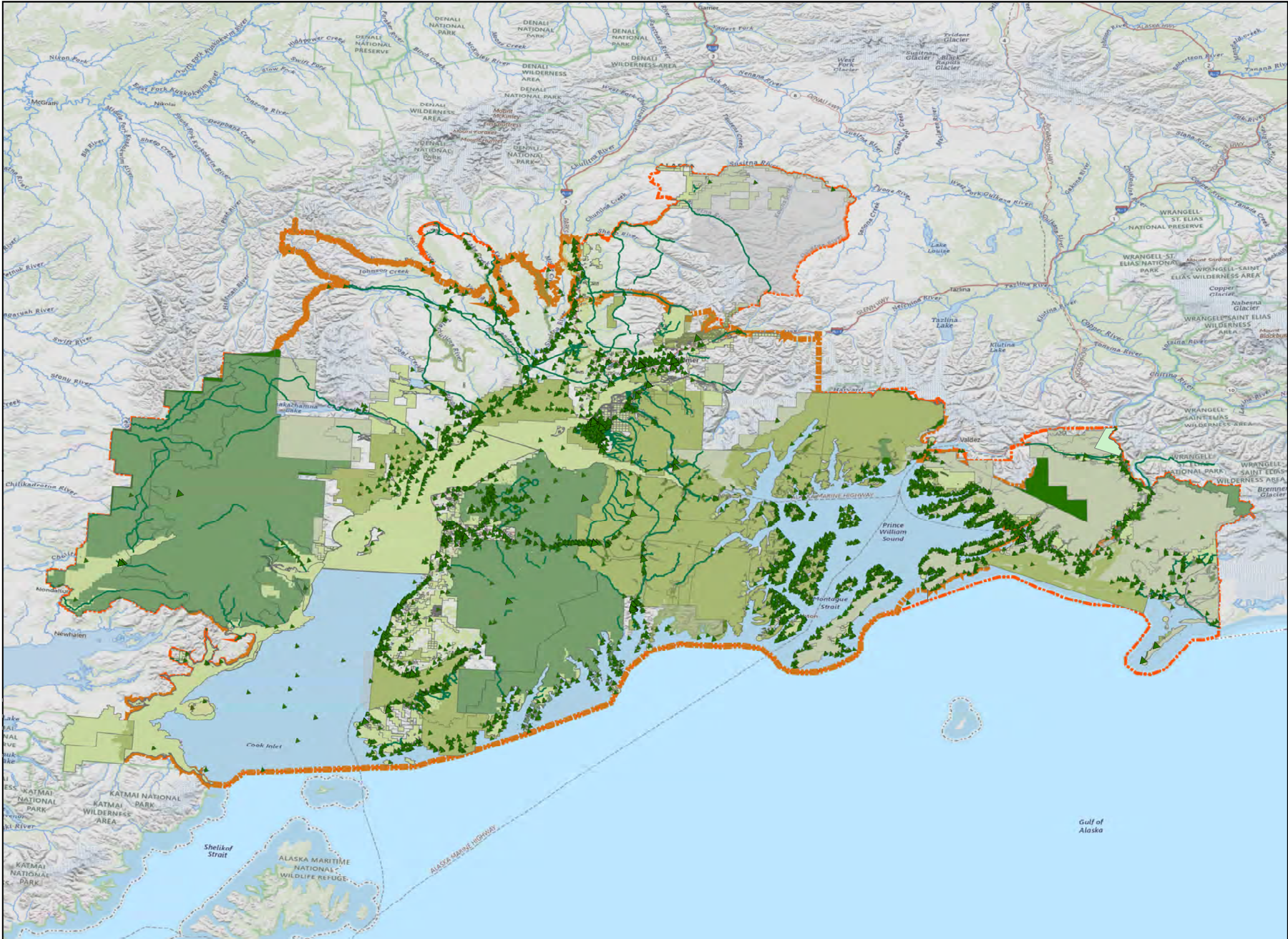
Scale: 1:2,631,162

0 5 10 20 Miles

Sources: USGS The National Map: National Boundaries Dataset, National Elevation Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset: U.S. Census Bureau TIGER/Line; HERE Road Data.  
Federal Aviation Administration, NFDC/CIFF airspace boundaries, waypoints and airports.  
Prepared by: ATAC Corporation, October 2026.

Exhibit 4-2

Land Coverage in the Study Areas



LEGEND

- Section 4F, Section 106, Cultural, Historic Resource Points
- Section 4F, Section 106, Cultural, Historic Resource Lines
- Terrestrial 1 - managed for biodiversity - disturbance events proceed or are mimicked
- Terrestrial 2 - managed for biodiversity - disturbance events suppressed
- Terrestrial 3 - managed for multiple uses - subject to extractive (e.g. mining or logging) or OHV use
- Marine Area, 1 - managed for biodiversity - disturbance events proceed or are mimicked
- Marine Area, 2 - managed for biodiversity - disturbance events suppressed
- Marine Area, 3 - managed for multiple uses - subject to extractive (e.g. mining or logging) or OHV use
- Other Section 4F, Section 106, Cultural, Historic Resource Areas
- Tuxedni
- General Study Area
- 18K Supplemental Boundary
- US State Tiger Line Boundary

Notes:  
Airport Identifier and Name:  
ANC - Ted Stevens Anchorage International Airport  
EDF - Elmendorf Air Force Base  
ENA - Kenai Municipal Airport  
FRN - Bryant Army Airfield  
LHD - Lake Hood Seaplane Base  
MRI - Merrill Field  
PAQ - Palmer Airport  
SXQ - Soldotna Airport

Projection: GCS North American 1983  
Scale: 1:2,631,162

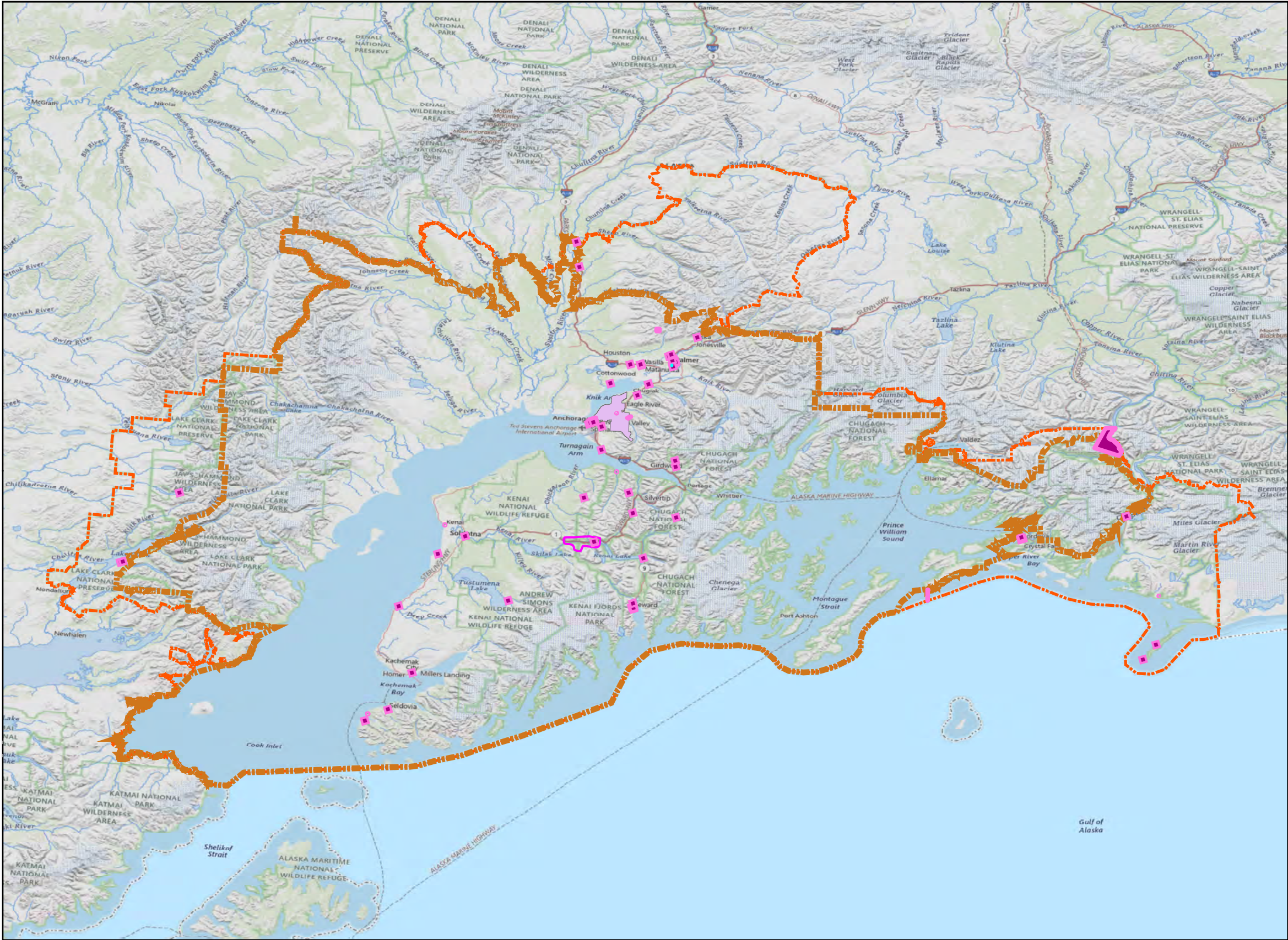
0 5 10 20 Miles



Sources: USGS The National Map: National Boundaries Dataset, National Elevation Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset: U.S. Census Bureau TIGER/Line; HERE Road Data.

Federal Aviation Administration, NFDC/CIIP airspace boundaries, waypoints and airports. For a complete listing of section 4(f) and 106 resources see table S4.1 in the Noise Technical Report.

Prepared by: ATAC Corporation, September 2026.



**LEGEND**

- National Register of Historic Places Point\*
- National Register of Historic Places Polygon\*
- Sqilantu Archaeological District
- Military Boundary including Eligible Properties
- General Study Area
- 18K Supplemental Boundary
- US State Tiger Line Boundary

Notes:  
Airport Identifier and Name:  
ANC - Ted Stevens Anchorage International Airport  
EDF - Elmendorf Air Force Base  
ENA - Kenai Municipal Airport  
FRN - Bryant Army Airfield  
LHD - Lake Hood Seaplane Base  
MRI - Merrill Field  
PAQ - Palmer Airport  
SXQ - Soldotna Airport

\*Other eligible and listed properties are analyzed in the Evenly-Spaced Grid and Section 4(f), Historic, and Cultural Resources grids.

Projection: GCS North American 1983  
Scale: 1:2,631,162

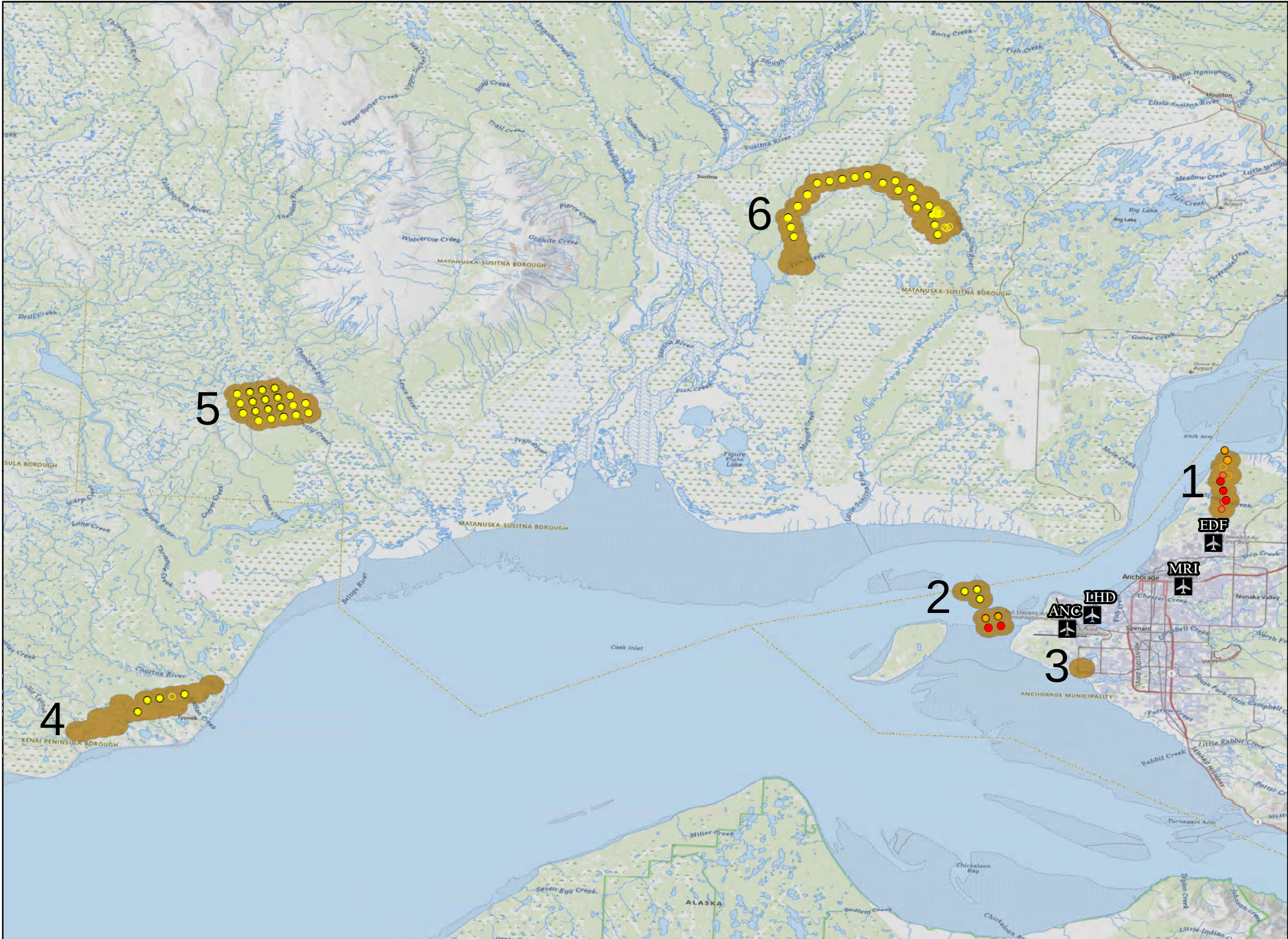
0 5 10 20 Miles

North Arrow

Sources: USGS The National Map: National Boundaries Dataset, National Elevation Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset: U.S. Census Bureau TIGER/Line; HERE Road Data.  
Federal Aviation Administration, NFDC/CIIP airspace boundaries, waypoints and airports. For a complete listing of section 4(f) and 106 resources see table S4.1 in the Noise Technical Report.  
Prepared by: ATAC Corporation, October 2026.

Exhibit 4-4

Historic and Cultural Resources in the Study Areas



Sources: USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset. USGS GlobalEcosystems: U.S. Census Bureau TIGER/Line; Federal Aviation Administration, NFDC/CIFP airspace boundaries, waypoints, routes, and airports. PDARS/AEDT, flight tracks and corridors. Prepared by: ATAC Corporation, October 2026.

**LEGEND**

**Section 4(f) and I06 Reportable and Significant Effects**

- Section 4(f) Centroid Exposed to a DNL above 65 dB with a DNL 1.5 dB Increase
- Section 4(f) Centroid Exposed to a DNL 60 to 65 dB with a DNL 3 dB Increase
- Section 4(f) Centroid Exposed to a DNL 45 to 60 dB with a DNL 5 dB Increase

**Evenly-Spaced Grid Reportable and Significant Effects**

- Evenly-Spaced Grid Centroid Exposed to a DNL above 65 dB with a DNL 1.5 dB Increase
- Evenly-Spaced Grid Centroid Exposed to a DNL 60 to 65 dB with a DNL 3 dB Increase
- Evenly-Spaced Grid Centroid Exposed to a DNL 45 to 60 dB with a DNL 5 dB Increase
- ATAAPS Area of Potential Effect
- Study Airport
- General Study Area
- US State Tiger Line Boundary

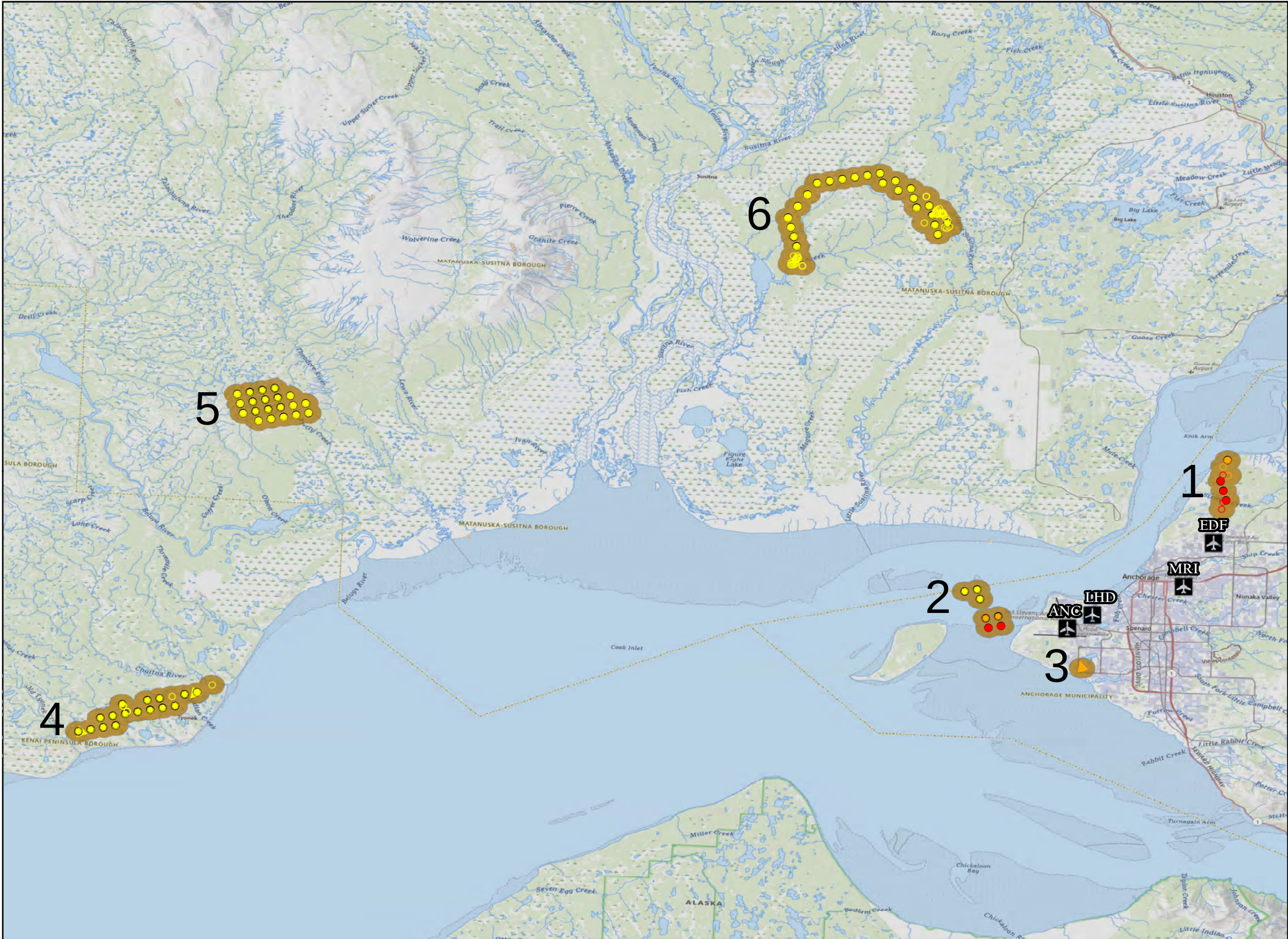
Notes:  
Airport Identifier and Name:  
ANC - Ted Stevens Anchorage International Airport  
EDF - Elmendorf Air Force Base  
FRN - Bryant Army Airfield  
LHD - Lake Hood Seaplane Base  
MRI - Merrill Field

Projection: GCS North American 1983  
Scale: 1:2,631,162  
0 15 30 60 Miles



Exhibit 5-1

**Change in Aircraft Noise – Reportable and Significant Noise Increase 2027**



**LEGEND**

**Section 4(f) Reportable and Significant Effects**

- Section 4(f) Centroid Exposed to a DNL above 65 dB with a DNL 1.5 dB Increase
- Section 4(f) Centroid Exposed to a DNL 60 to 65 dB with a DNL 3 dB Increase
- Section 4(f) Centroid Exposed to a DNL 45 to 60 dB with a DNL 5 dB Increase

**Evenly-Spaced Grid Reportable and Significant Effects**

- Evenly-Spaced Grid Centroid Exposed to a DNL above 65 dB with a DNL 1.5 dB Increase
- Evenly-Spaced Grid Centroid Exposed to a DNL 60 to 65 dB with a DNL 3 dB Increase
- Evenly-Spaced Grid Centroid Exposed to a DNL 45 to 60 dB with a DNL 5 dB Increase

**US Census Reportable Noise Effects**

- US Census Population Centroid Exposed to a DNL 60 to 65 dB with a DNL 3 dB Increase
- US Census Population Centroid Exposed to a DNL 45 to 60 dB with a DNL 5 dB Increase
- ATAAPS Area of Potential Effect
- Study Airport
- General Study Area
- US State Tiger Line Boundary

Notes:  
Airport Identifier and Name:  
ANC - Ted Stevens Anchorage International Airport  
EDF - Elmendorf Air Force Base  
FRN - Bryant Army Airfield  
LHD - Lake Hood Seaplane Base  
MRI - Merrill Field

Projection: GCS North American 1983  
Scale: 1:2,631,162

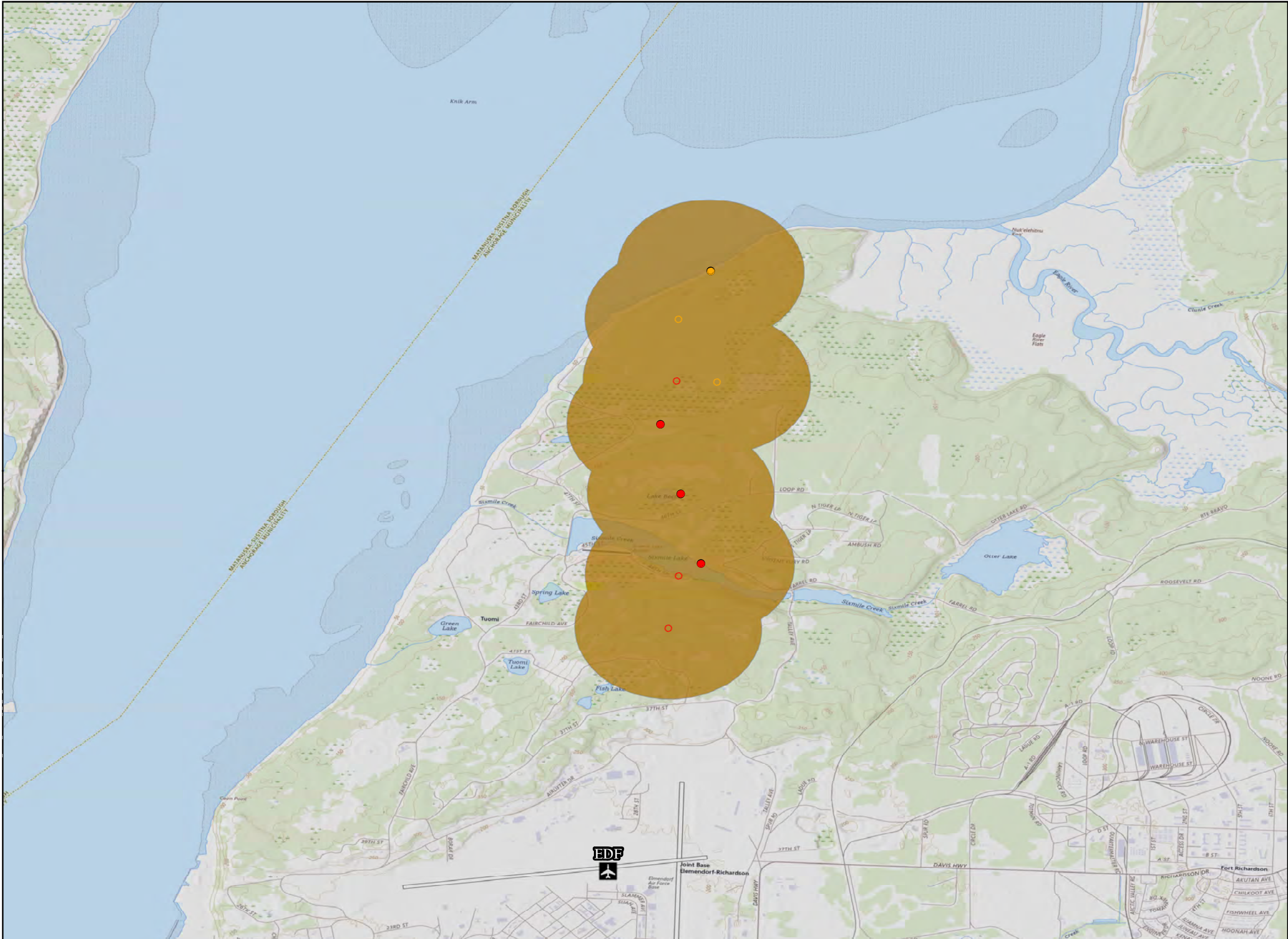
0 1 2 4 Miles



Sources: USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset. USGS GlobalEcosystems: U.S. Census Bureau TIGER/Line; Federal Aviation Administration, NFDC/CIFP airspace boundaries, waypoints, routes, and airports. PDARS/AEDT, flight tracks and corridors. Prepared by: ATAC Corporation, October 2026.

Exhibit 5-2

Change in Aircraft Noise – Reportable and Significant Noise Increase 2032



**LEGEND**

**Section 4(f) and Section 106 Historic and Cultural Resources Reportable and Significant Effects**

- Section 4(f) and Section 106 Historic and Cultural Resources Centroid Exposed to a DNL above 65 dB with a DNL 1.5 dB Increase
- Section 4(f) and Section 106 Historic and Cultural Resources Centroid Exposed to a DNL 60 to 65 dB with a DNL 3 dB Increase

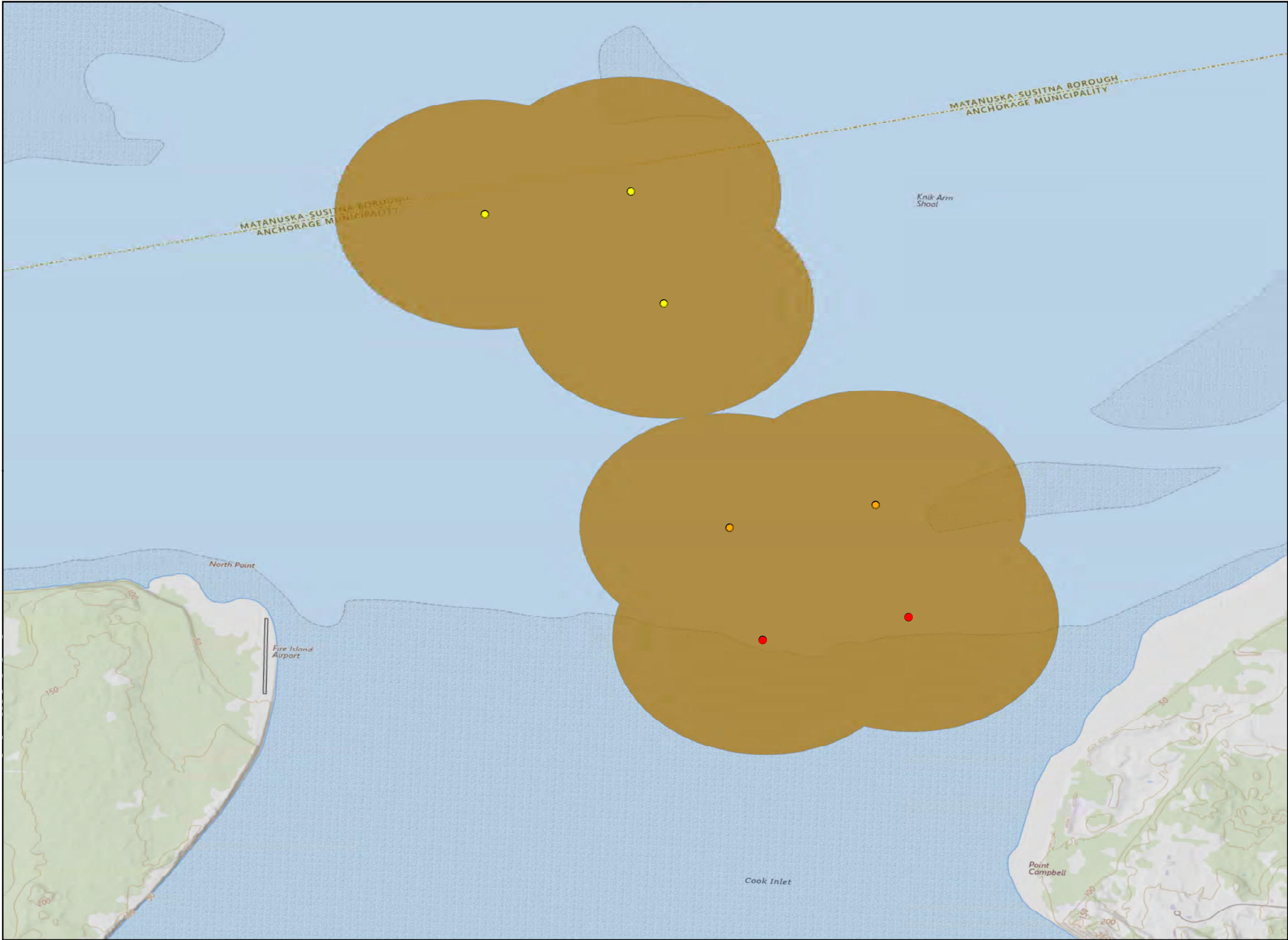
**Evenly-Spaced Grid Reportable and Significant Effects**

- Evenly-Spaced Grid Centroid Exposed to a DNL above 65 dB with a DNL 1.5 dB Increase
- Evenly-Spaced Grid Centroid Exposed to a DNL 60 to 65 dB with a DNL 3 dB Increase
- Areas of Potential Effect
- US State Tiger Line Boundary

**Notes:**  
Airport Identifier and Name:  
ANC - Ted Stevens Anchorage International Airport  
EDF - Elmendorf Air Force Base  
FRN - Bryant Army Airfield  
LHD - Lake Hood Seaplane Base  
MRI - Merrill Field

Projection: GCS North American 1983  
Scale: 1:2,631,162  
0 0.125 0.25 0.5 Miles  
North Arrow

Area of Noise Increases (Area 1) – Reportable and Significant Noise Increase 2032



**LEGEND**

**Section 4(f) and Section 106 Historic and Cultural Resources Reportable and Significant Effects**

- Section 4(f) and Section 106 Historic and Cultural Resources Centroid Exposed to a DNL above 65 dB with a DNL 1.5 dB Increase
- Section 4(f) and Section 106 Historic and Cultural Resources Centroid Exposed to a DNL 60 to 65 dB with a DNL 3 dB Increase
- Section 4(f) and Section 106 Historic and Cultural Resources Centroid Exposed to a DNL 45 to 60 dB with a DNL 5 dB Increase

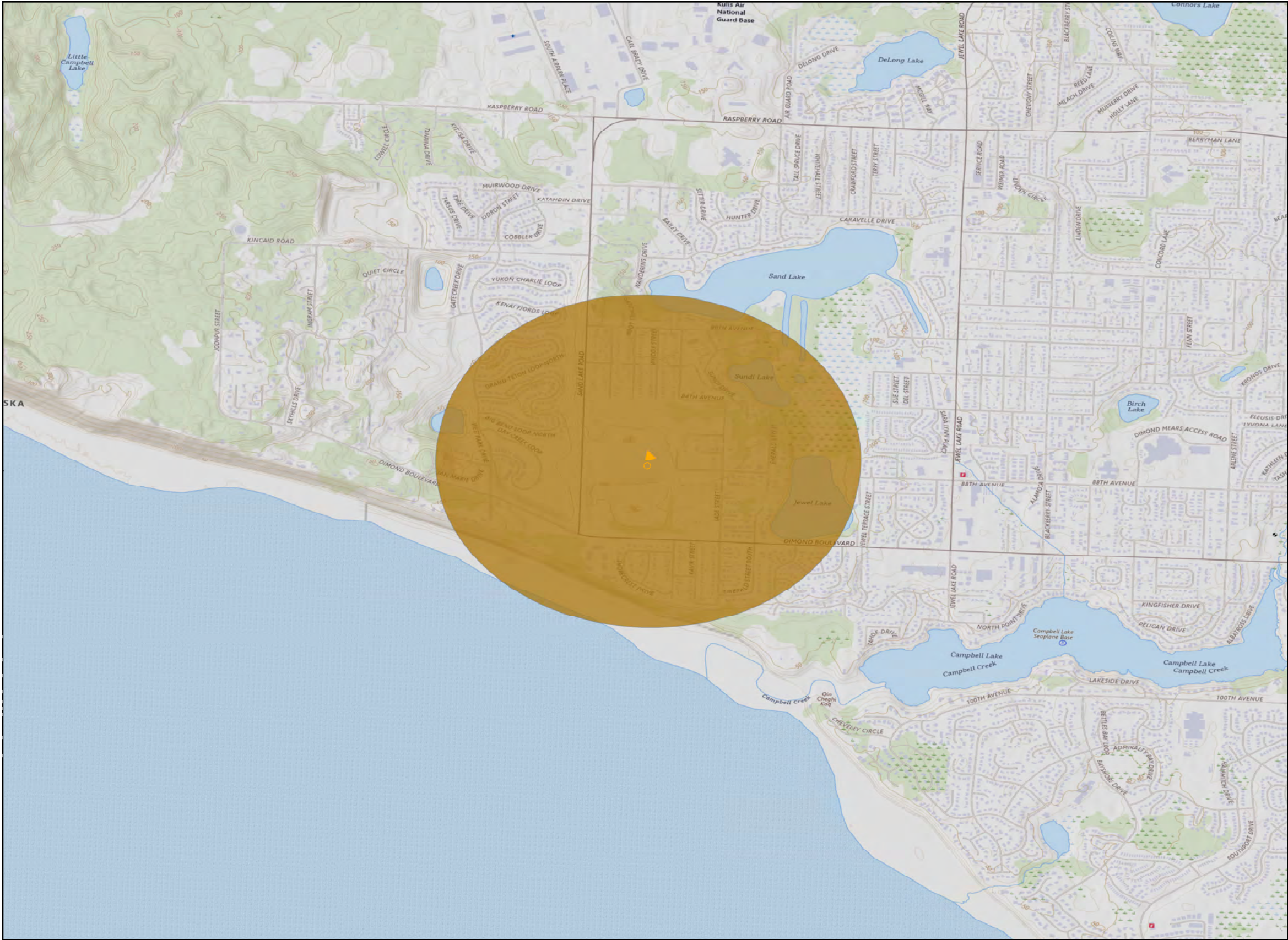
**Evenly-Spaced Grid Reportable and Significant Effects**

- Evenly-Spaced Grid Centroid Exposed to a DNL above 65 dB with a DNL 1.5 dB Increase
- Evenly-Spaced Grid Centroid Exposed to a DNL 60 to 65 dB with a DNL 3 dB Increase
- Evenly-Spaced Grid Centroid Exposed to a DNL 45 to 60 dB with a DNL 5 dB Increase
- Areas of Potential Effect
- US State Tiger Line Boundary

**Notes:**  
Airport Identifier and Name:  
ANC - Ted Stevens Anchorage International Airport  
EIDF - Elmendorf Air Force Base  
FRN - Bryant Army Airfield  
LHD - Lake Hood Seaplane Base  
MRI - Merrill Field

Projection: GCS North American 1983  
Scale: 1:2,631,162

0 0.075 0.15 0.3 Miles



**LEGEND**

Section 4(f) and Section 106 Historic and Cultural Resources Reportable and Significant Effects

- Section 4(f) and Section 106 Historic and Cultural Resources Centroid Exposed to a DNL 60 to 65 dB with a DNL 3 dB Increase

US Census Reportable Noise Effects

- US Census Population Centroid Exposed to a DNL 60 to 65 dB with a DNL 3 dB Increase
- Areas of Potential Effect
- US State Tiger Line Boundary

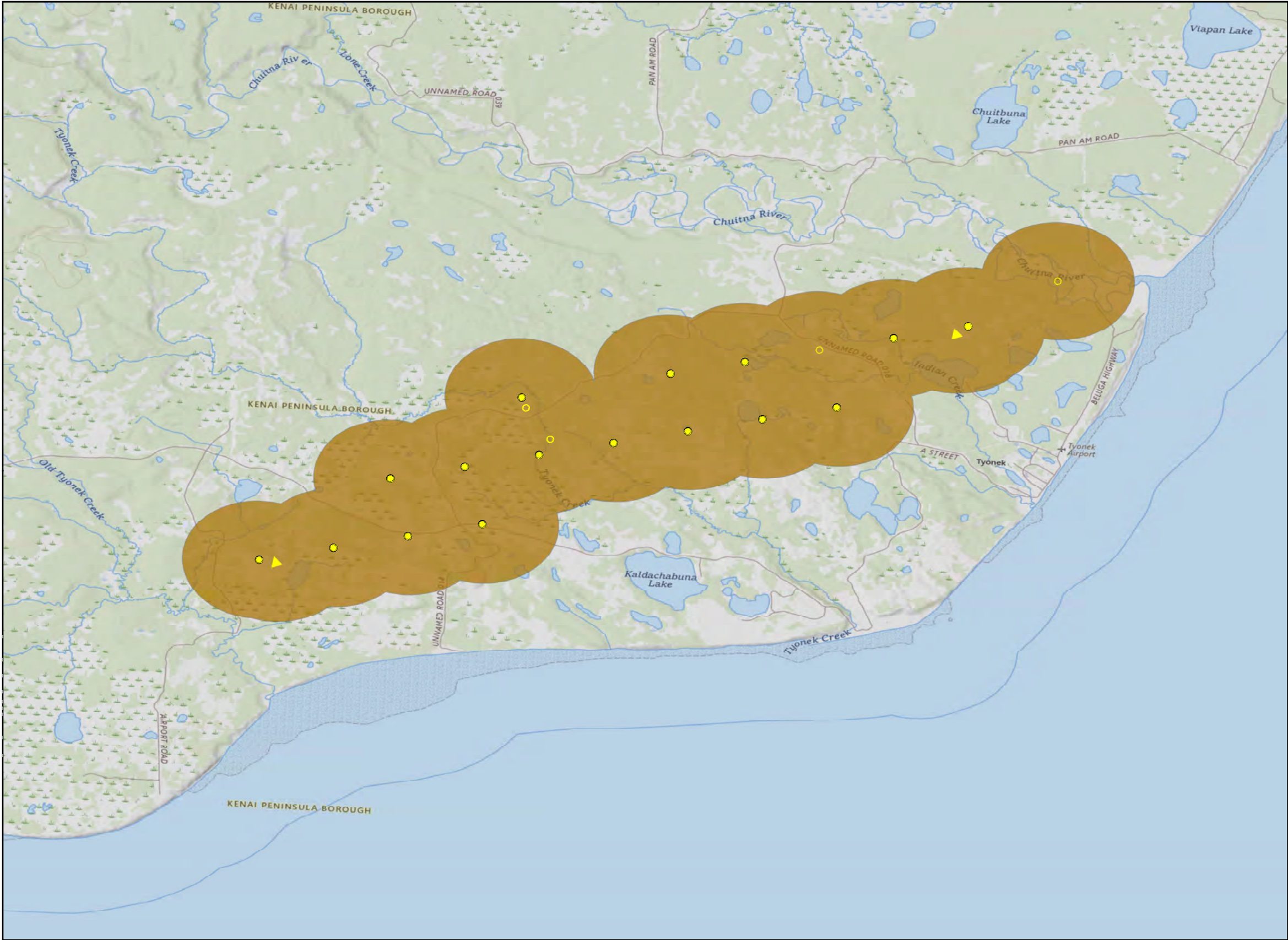
Notes:

Airport Identifier and Name:  
 ANC - Ted Stevens Anchorage International Airport  
 EDF - Elmendorf Air Force Base  
 FRN - Bryant Army Airfield  
 LHD - Lake Hood Seaplane Base  
 MRI - Merrill Field

Projection: GCS North American 1983  
 Scale: 1:2,631,162

0 0.05 0.1 0.2 Miles

North arrow pointing up.



**LEGEND**

Section 4(f) and Section 106 Historic and Cultural Resources Reportable and Significant Effects

- Section 4(f) and Section 106 Historic and Cultural Resources Centroid Exposed to a DNL 45 to 60 dB with a DNL 5 dB Increase

Evenly-Spaced Grid Reportable and Significant Effects

- Evenly-Spaced Grid Centroid Exposed to a DNL 45 to 60 dB with a DNL 5 dB Increase

US Census Reportable Noise Effects

- US Census Population Centroid Exposed to a DNL 45 to 60 dB with a DNL 5 dB Increase
- Areas of Potential Effect
- US State Tiger Line Boundary

Notes:  
Airport Identifier and Name:  
ANC - Ted Stevens Anchorage International Airport  
EDF - Elmendorf Air Force Base  
FRN - Bryant Army Airfield  
LHD - Lake Hood Seaplane Base  
MRI - Merrill Field

Projection: GCS North American 1983  
Scale: 1:2,631,162

0 0.15 0.3 0.6 Miles

Sources: USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset. USGS GlobalEcosystems: U.S. Census Bureau TIGER/Line; Federal Aviation Administration, NFDC/CIFP airspace boundaries, waypoints, routes, and airports. PDARS/AEDT, flight tracks and corridors. ATAC, AEDT Noise Results.  
Prepared by: ATAC Corporation, September 2026.

Exhibit 5-2-4

Area of Noise Increases (Area 4) – Reportable and Significant Noise Increase 2032

- Section 4(f) and Section 106 Historic and Cultural Resources Centroid Exposed to a DNL 45 to 60 dB with a DNL 5 dB Increase

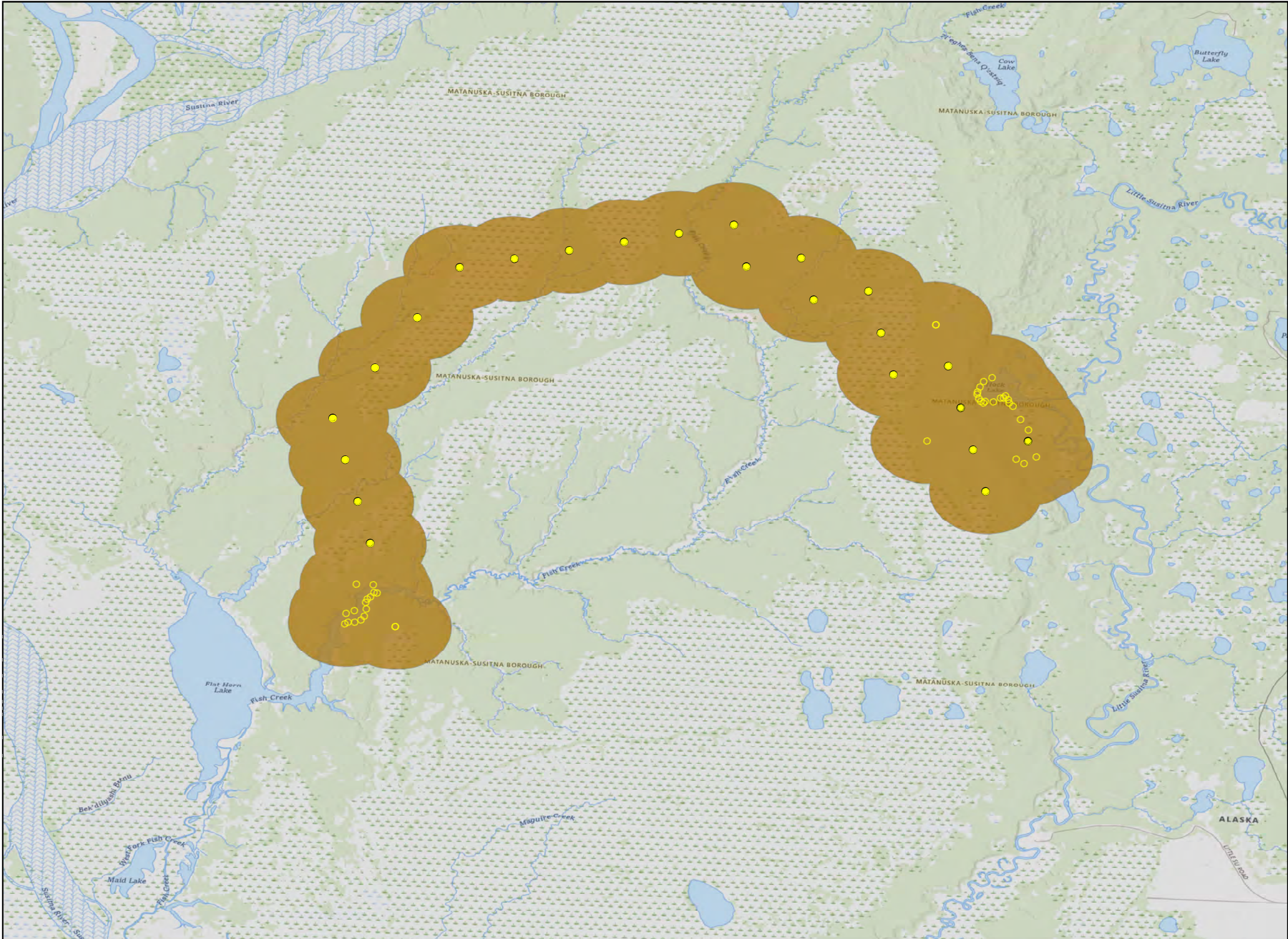
- Evenly-Spaced Grid Centroid Exposed to a DNL 45 to 60 dB with a DNL 5 dB Increase

 US State Tiger Line Boundary

A horizontal number line representing distance in miles. It has tick marks at 0, 0.4, 0.8, and 1.6. The segment between 0 and 0.4 is shaded gray.



### Area of Noise Increases (Area 5) – Reportable and Significant Noise Increase 2032



**LEGEND**

Section 4(f) and Section 106 Historic and Cultural Resources Reportable and Significant Effects

- Section 4(f) and Section 106 Historic and Cultural Resources Centroid Exposed to a DNL 45 to 60 dB with a DNL 5 dB Increase

Evenly-Spaced Grid Reportable and Significant Effects

- Evenly-Spaced Grid Centroid Exposed to a DNL 45 to 60 dB with a DNL 5 dB Increase
- Areas of Potential Effect
- US State Tiger Line Boundary

**Notes:**  
Airport Identifier and Name:  
ANC - Ted Stevens Anchorage International Airport  
EDF - Elmendorf Air Force Base  
FRN - Bryant Army Airfield  
LHD - Lake Hood Seaplane Base  
MRI - Merrill Field

Projection: GCS North American 1983  
Scale: 1:2,631,162

0 0.4 0.8 1.6 Miles

Sources: USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset. USGS GlobalEcosystems: U.S. Census Bureau TIGER/Line; Federal Aviation Administration, NFDC/CIFP airspace boundaries, waypoints, routes, and airports. PDARS/AEDT, flight tracks and corridors. ATAC, AEDT Noise Results.  
Prepared by: ATAC Corporation, September 2026.

Exhibit 5-2-6

Area of Noise Increases (Area 6) – Reportable and Significant Noise Increase 2032