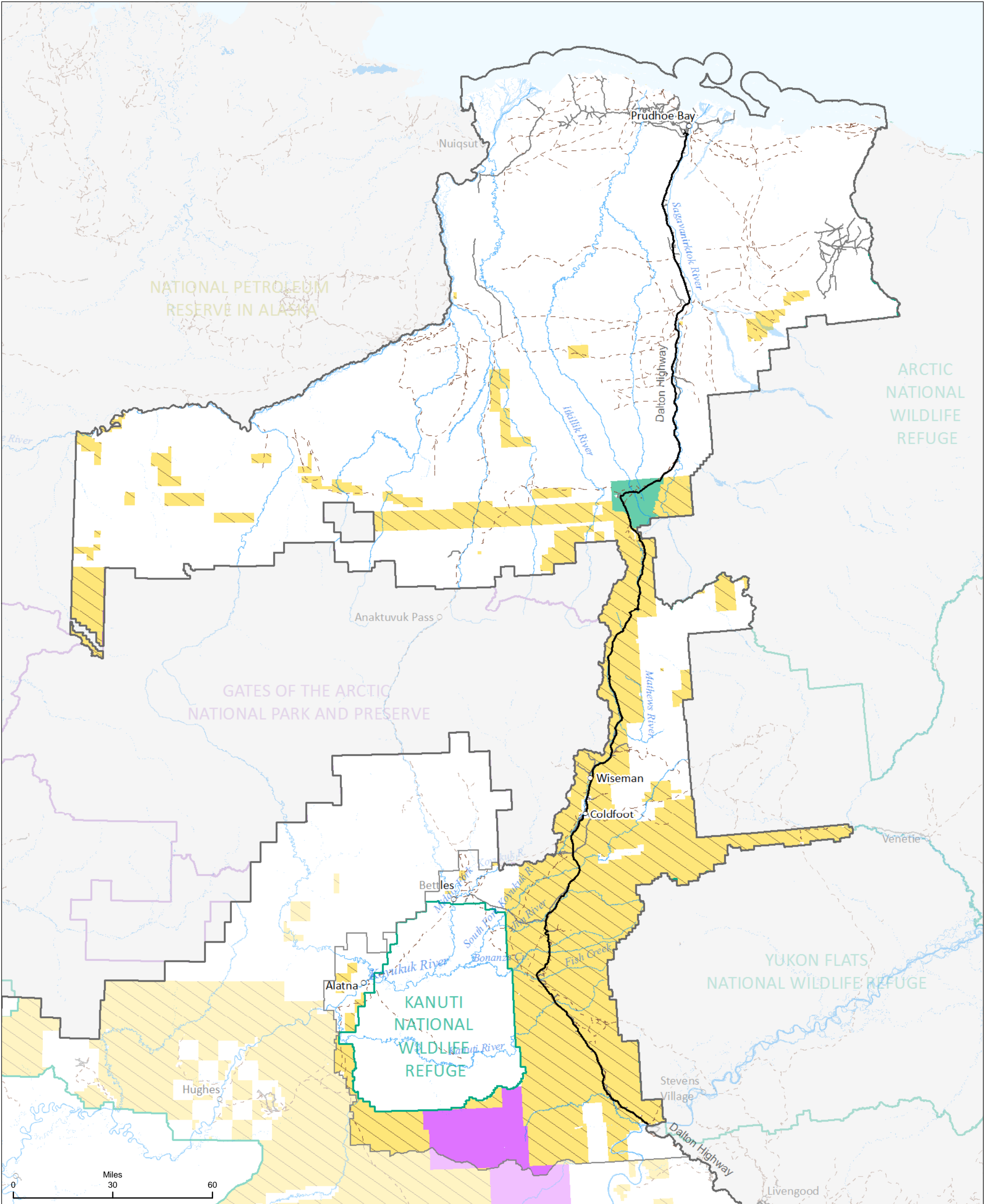


- 
- 2.40 Alternative A: Travel Management Areas
  - 2.41 Alternatives B, C1, C2, and D: Travel Management Areas
  - 2.42 Alternative A: Travel and Transportation Management; Fairbanks Subunit
  - 2.43 Alternative A: Travel and Transportation Management; Middle Yukon Drainages Subunit
  - 2.44 Alternative A: Travel and Transportation Management; Utility Corridor Subunit
  - 2.45 Alternative B: Travel and Transportation Management; Fairbanks Subunit
  - 2.46 Alternative B: Travel and Transportation Management; Middle Yukon Drainages Subunit
  - 2.47 Alternative B: Travel and Transportation Management; Utility Corridor Subunit
  - 2.48 Alternative C1: Travel and Transportation Management; Fairbanks Subunit
  - 2.49 Alternative C1: Travel and Transportation Management; Middle Yukon Drainages Subunit
  - 2.50 Alternative C1: Travel and Transportation Management; Utility Corridor Subunit
  - 2.51 Alternatives C2 and D: Travel and Transportation Management; Fairbanks Subunit
  - 2.52 Alternative C2: Travel and Transportation Management, Middle Yukon Drainages Subunit
  - 2.53 Alternative C2: Travel and Transportation Management; Utility Corridor Subunit
  - 2.54 Alternative D: Travel and Transportation Management, Middle Yukon Drainages Subunit
  - 2.55 Alternative D: Travel and Transportation Management; Utility Corridor Subunit
  - 2.56 Alternative A: Fluid Mineral Leasing
  - 2.57 Alternative B: Fluid Mineral Leasing
  - 2.58 Alternative C1: Fluid Mineral Leasing
  - 2.59 Alternatives C2 and D: Fluid Mineral Leasing
  - 2.60 Alternative B: Fluid Mineral Leasing, No Surface Occupancy
  - 2.61 Alternative C1: Fluid Mineral Leasing, No Surface Occupancy
  - 2.62 Alternative C1: Fluid Mineral Leasing, Controlled Surface Use
  - 2.63 Alternative A: Nonenergy Solid Leasable Minerals
  - 2.64 Alternative B: Nonenergy Solid Leasable Minerals
  - 2.65 Alternative C1: Nonenergy Solid Leasable Minerals
  - 2.66 Alternatives C2 and D: Nonenergy Solid Leasable Minerals
  - 2.67 Alternative A: Locatable Minerals
  - 2.68 Alternative B: Locatable Minerals
  - 2.69 Alternative C1: Locatable Minerals
  - 2.70 Alternatives C2 and D: Locatable Minerals
  - 2.71 Alternative A: Mineral Materials
  - 2.72 Alternative B: Mineral Materials
  - 2.73 Alternative C1: Mineral Materials
  - 2.74 Alternative C2: Mineral Materials
  - 2.75 Alternative D: Mineral Materials
  
  - 3.1 Sensitive Soils: Fairbanks Subunit
  - 3.2 Sensitive Soils: Middle Yukon Drainages Subunit
  - 3.3 Sensitive Soils: Utility Corridor Subunit
  - 3.4 Water Resources
  - 3.5 Aquatic Resources: Fairbanks Subunit
  - 3.6 Aquatic Resources: Middle Yukon Drainages Subunit
  - 3.7 Aquatic Resources: Utility Corridor Subunit
  - 3.8 Watershed Condition
  - 3.9 Landcover: Fairbanks Subunit

- 3.10 Landcover: Middle Yukon Drainages Subunit
- 3.11 Landcover: Utility Corridor Subunit
- 3.12 Central Arctic Caribou Herd, Seasonal Range Use, 2012-2017, Female Caribou
- 3.13 Breeding Bird Survey
- 3.14 Wildland Urban Interface
- 3.15 Paleontological Resources
- 3.16 Visual Resources Inventory Distance Zones
- 3.17 Visual Resources Inventory Scenic Quality
- 3.18 Visual Resources Inventory Sensitivity Levels
- 3.19 Visual Resource Inventory
- 3.20 State- and Native-Selected Lands, and State Top-Filed Lands

Geographic information system (GIS) data have been used to perform acreage calculations and to generate the maps in **Appendix A**. Calculations depend on the quality and availability of data. Most calculations in this RMP are rounded to the nearest 1,000 acres or 1 mile. Given the scale of the analysis, the compatibility constraints between datasets, and the lack of data for some resources, all calculations are approximate and serve for comparison and analytic purposes only. Likewise, the maps in **Appendix A** are provided for illustration only and are subject to the limitations discussed above. The BLM may receive additional or updated data, so acreages may be recalculated and revised later.

Maps in Appendix A display data on Bureau of Land Management surface or subsurface. The Department of Defense's surface and mineral estate are withdrawn and the withdrawal will be retained for all alternatives. As such, this RMP does not make other decisions on DOD land, except for designating the travel management areas



- Seasonal limitations for off-highway vehicle (OHV) travel (closed in summer)\*
- Seasonal limitations for off-highway vehicle (OHV) travel (closed May 1 - June 30)\*
- Limited OHV travel

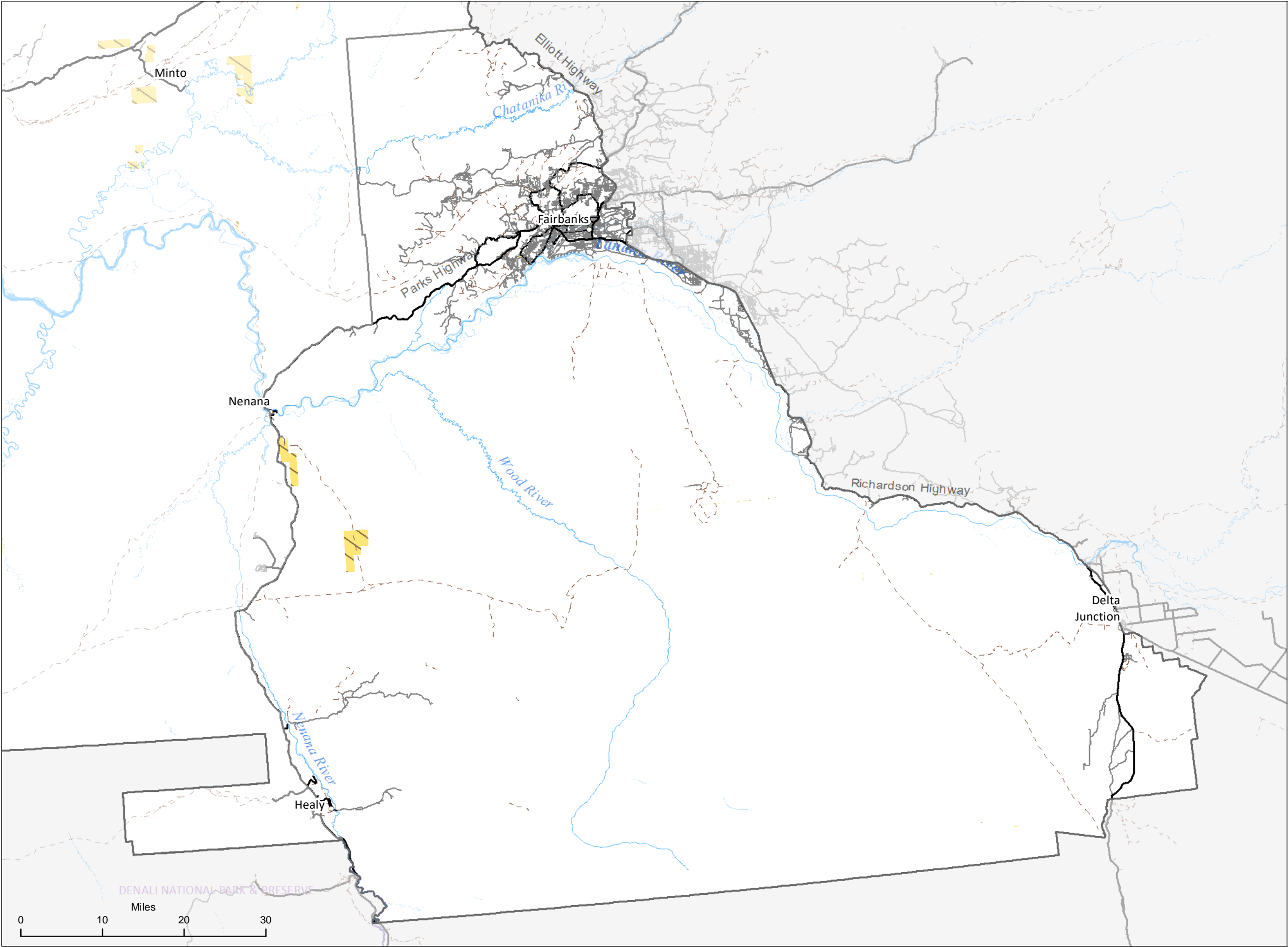
- Roads
- Trails
- RS 2477

\*This is an implementation decision.

Note: during the summer, vehicle use in the decision area is limited to 1,500 pounds curb weight, unless otherwise closed.







- Seasonal limitations for off-highway vehicle (OHV) travel (closed in summer)\*
- Seasonal limitations for off-highway vehicle (OHV) travel (closed May 1 - June 30)\*
- Limited OHV travel
- Roads
- Trails
- RS 2477
- \*This is an implementation decision.

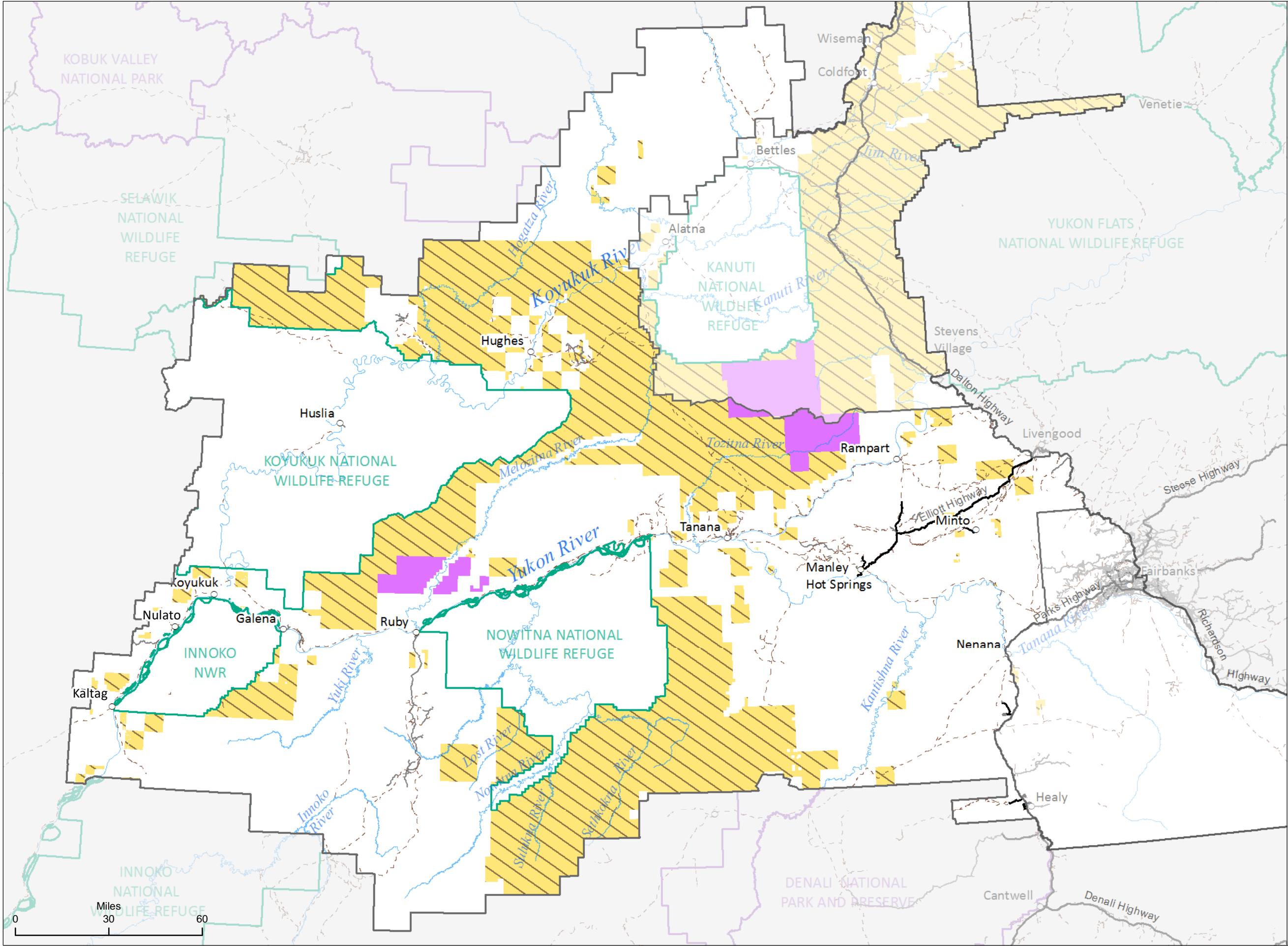
Note: during the summer, vehicle use in the decision area is limited to 1,500 pounds curb weight, unless otherwise closed.

Data Source: BLM GIS 2017

No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed through digital means and may be updated without notification.



Map 2.51



Seasonal limitations for off-highway vehicle (OHV) travel (closed in summer)\*

Seasonal limitations for off-highway vehicle (OHV) travel (closed May 1 - June 30)\*

Limited OHV travel

Roads

Trails

RS 2477

\*This is an implementation decision.

Note: during the summer, vehicle use in the decision area is limited to 1,500 pounds curb weight, unless otherwise closed.

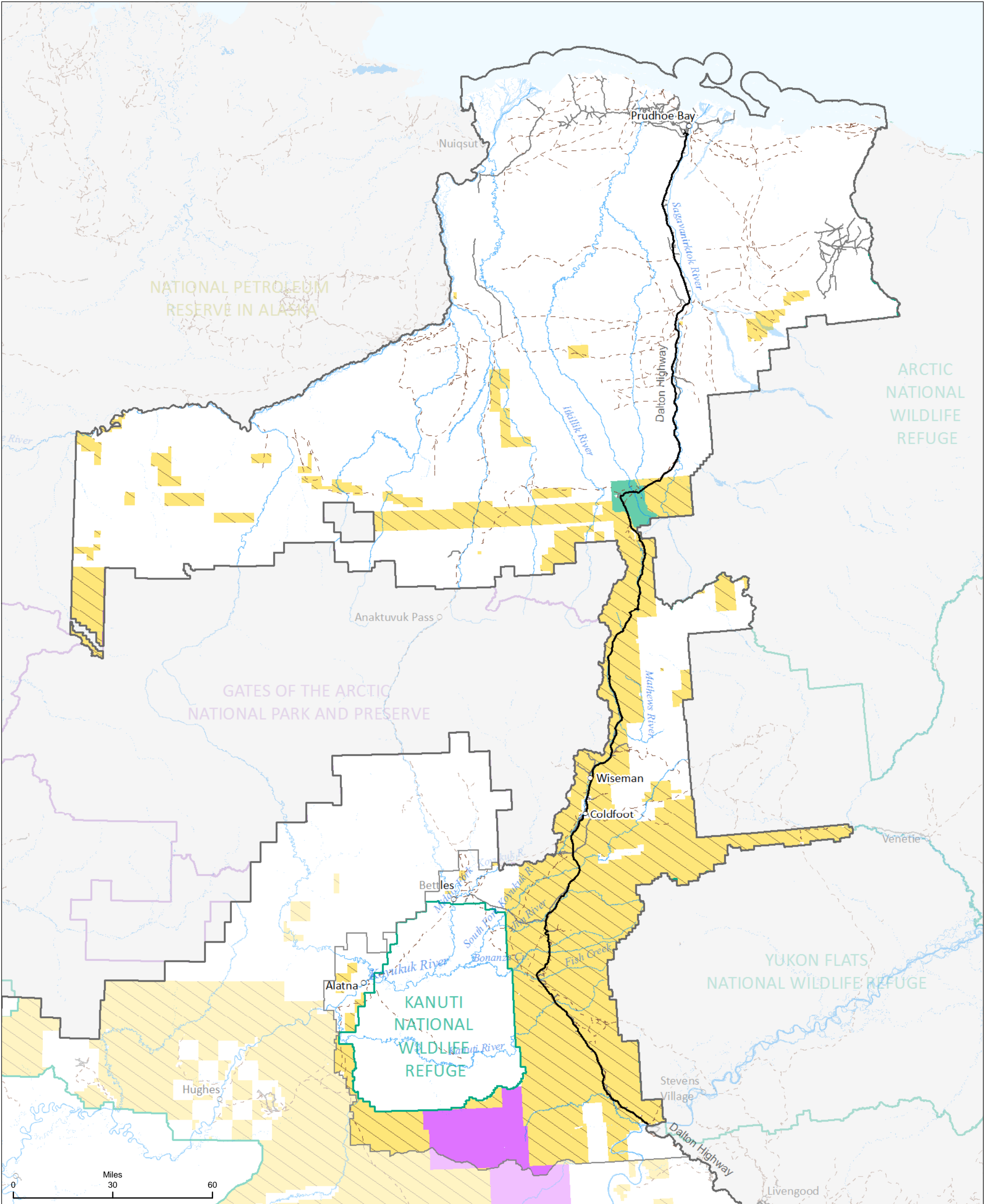
Data Source: BLM GIS 2017

No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed through digital means and may be updated without notification.



Map 2.52

Print Date: 07/16/2020



- Seasonal limitations for off-highway vehicle (OHV) travel (closed in summer)\*
- Seasonal limitations for off-highway vehicle (OHV) travel (closed May 1 - June 30)\*
- Limited OHV travel

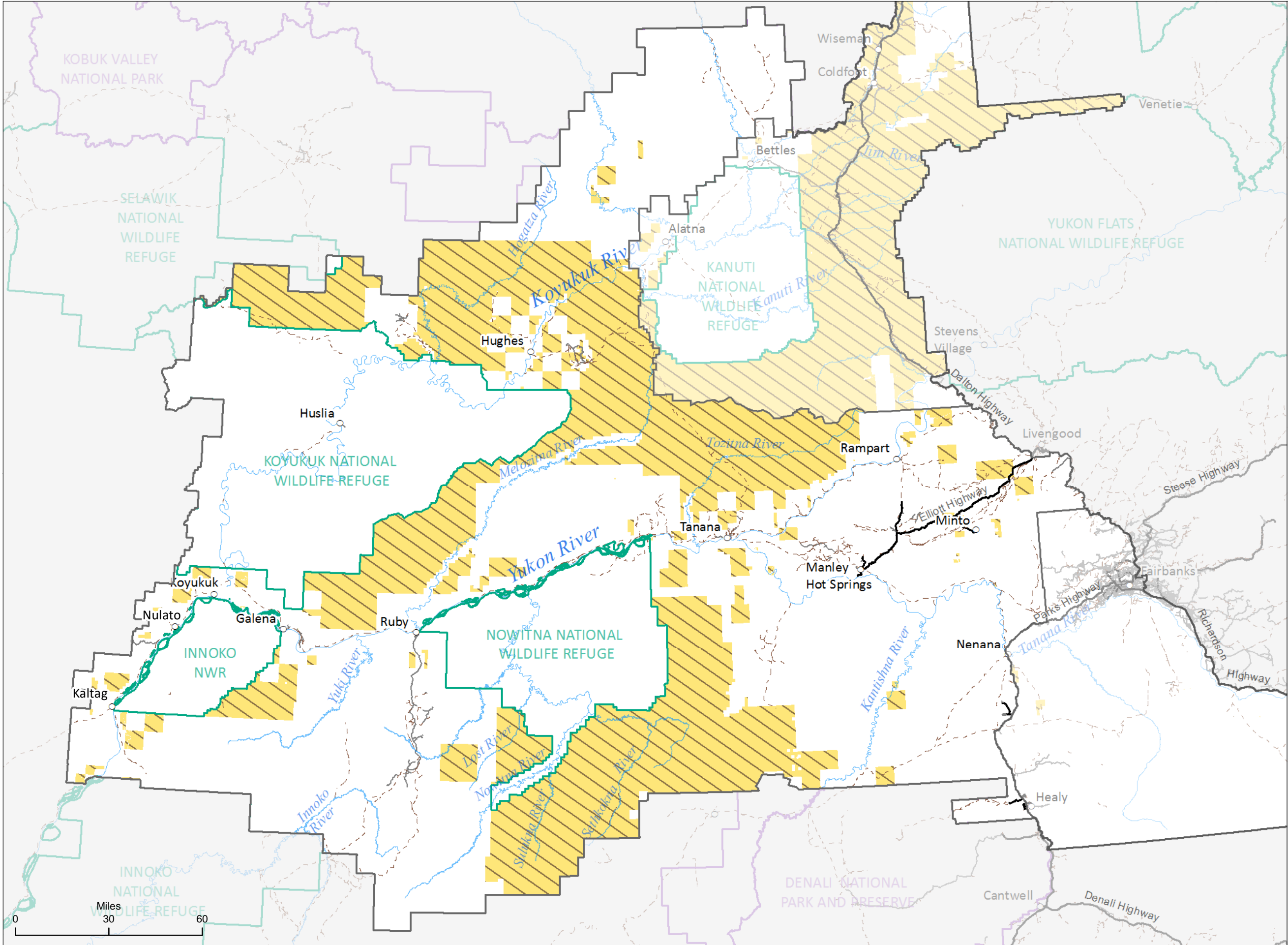
- Roads
- Trails
- RS 2477

\*This is an implementation decision.

Note: during the summer, vehicle use in the decision area is limited to 1,500 pounds curb weight, unless otherwise closed.







Seasonal limitations for off-highway vehicle (OHV) travel (closed in summer)\*

Seasonal limitations for off-highway vehicle (OHV) travel (closed May 1 - June 30)\*

Limited OHV travel

Roads

Trails

RS 2477

\*This is an implementation decision.

Note: during the summer, vehicle use in the decision area is limited to 1,500 pounds curb weight, unless otherwise closed.

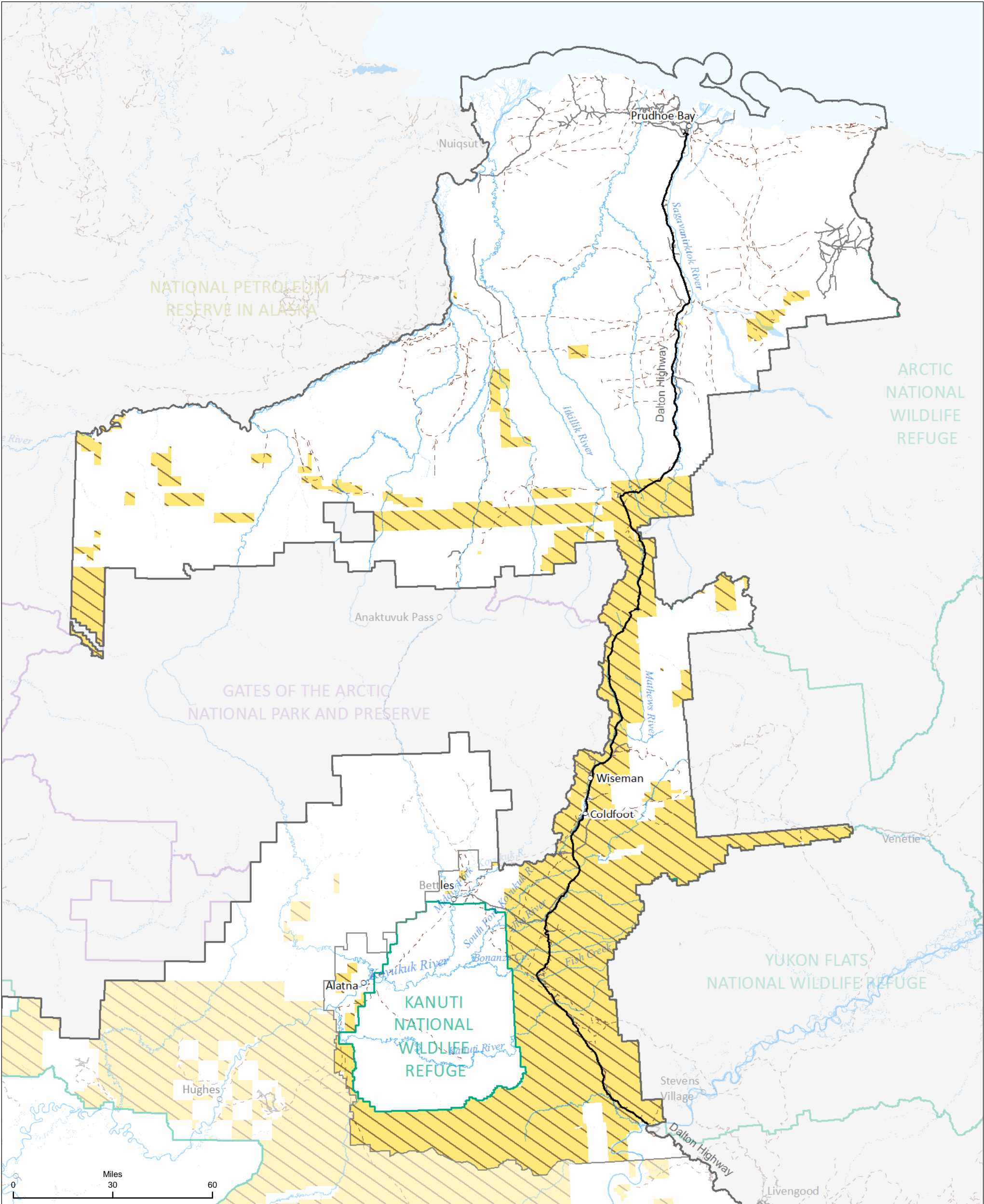
Data Source: BLM GIS 2017

No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed through digital means and may be updated without notification.



Map 2.54

Print Date: 07/16/2020



- Seasonal limitations for off-highway vehicle (OHV) travel (closed in summer)\*

Seasonal limitations for off-highway vehicle (OHV) travel (closed May 1 - June 30)\*

Limited OHV travel
- Roads

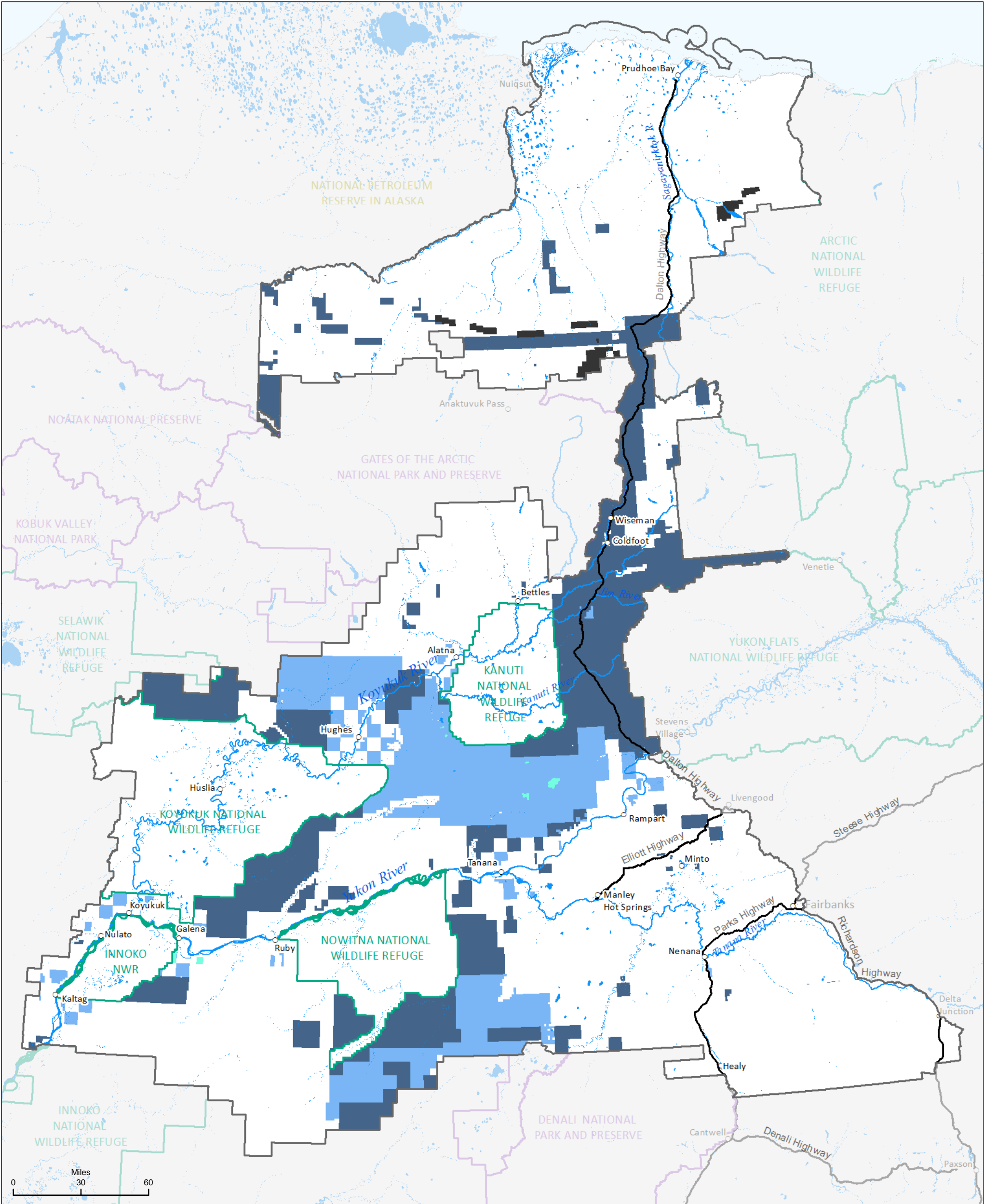
Trails

RS 2477
- \*This is an implementation decision.

Note: during the summer, vehicle use in the decision area is limited to 1,500 pounds curb weight, unless otherwise closed.

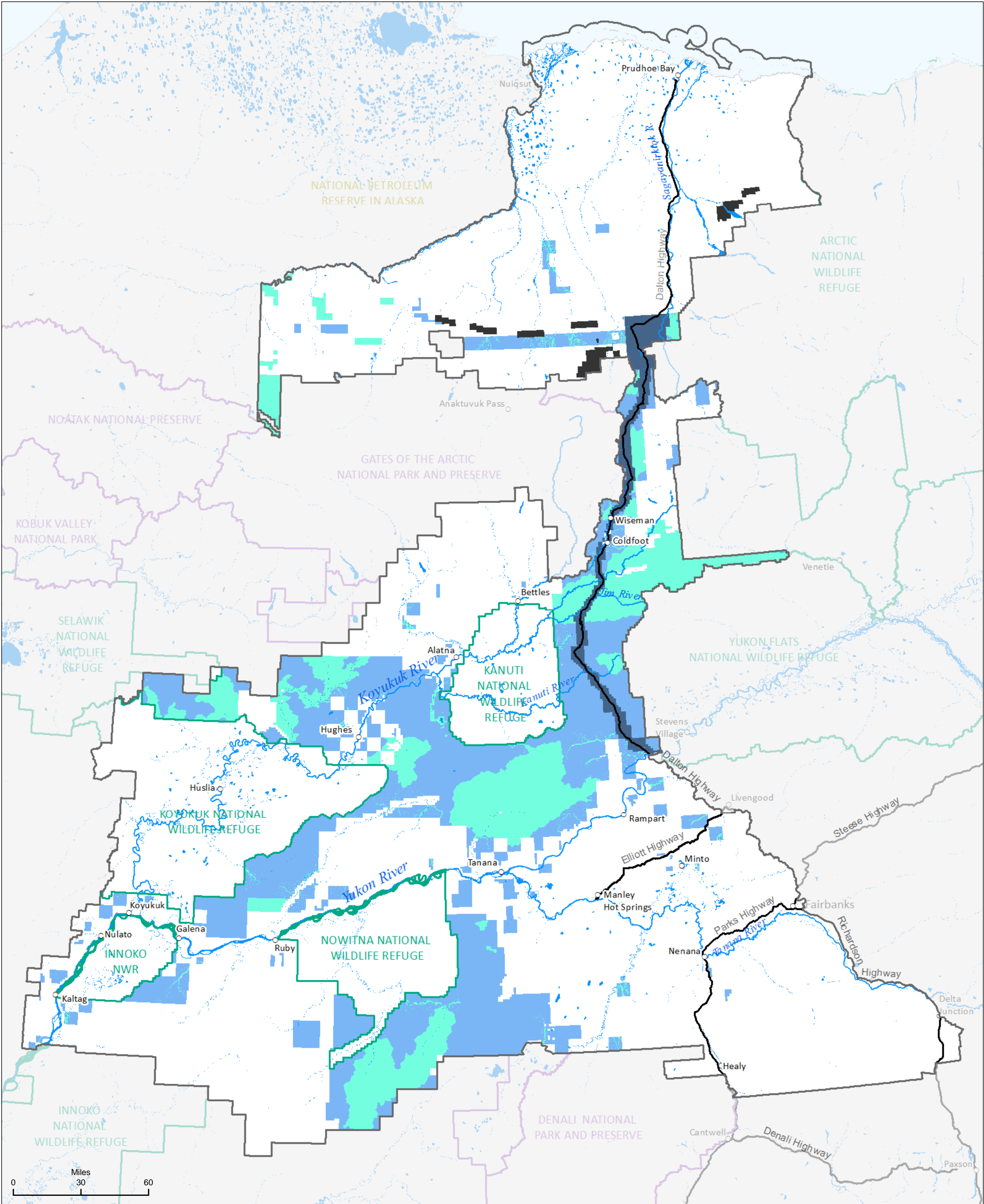






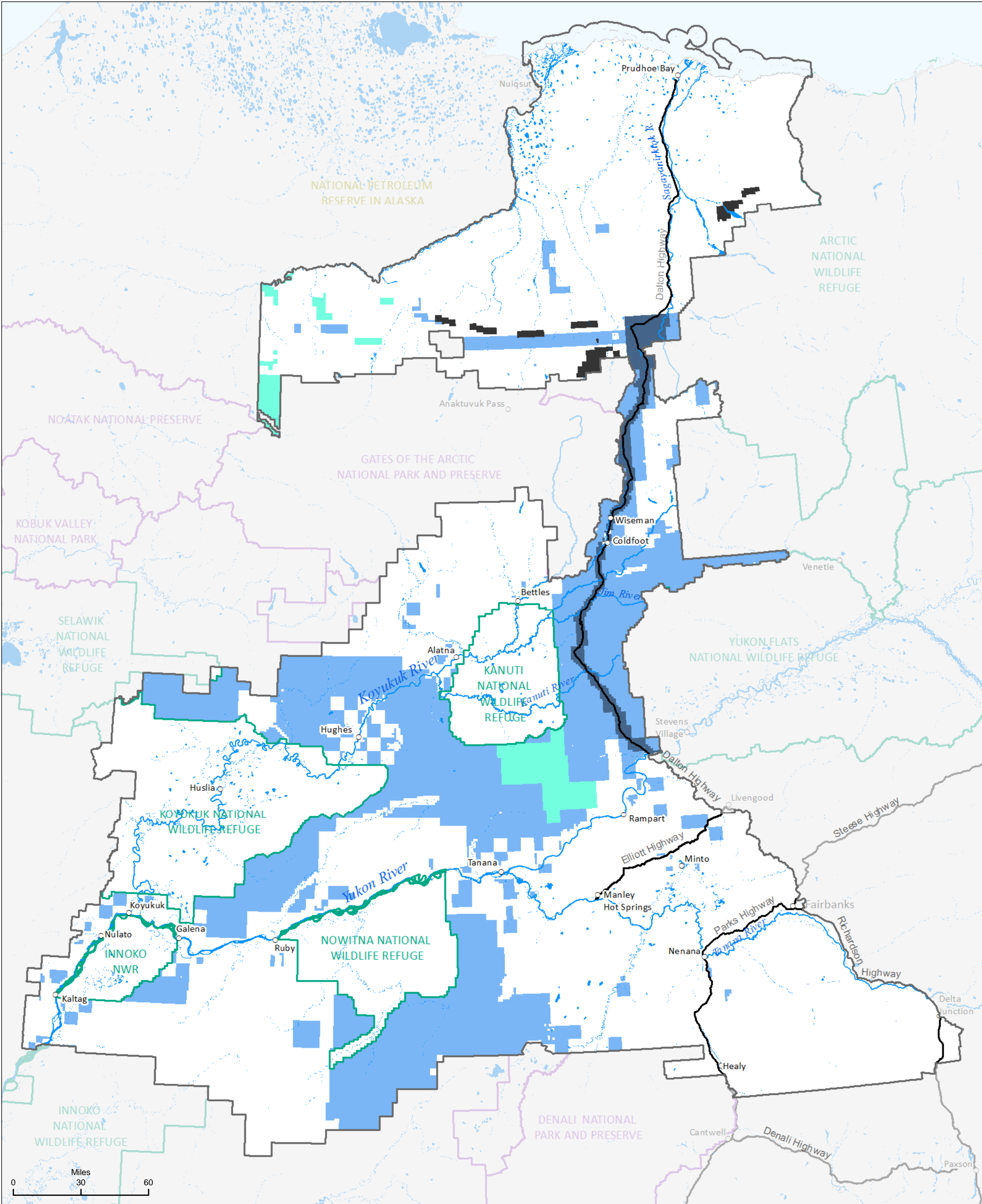
- Closed to fluid mineral leasing per Alaska Native Claims Settlement Act (ANCSA) public land orders (PLOs)
- Closed to fluid mineral leasing and development
- Open to fluid mineral leasing and development
- BLM surface, Native patent subsurface





- Withdrawn from fluid mineral leasing and development
- Open to fluid mineral leasing and development
- Closed to fluid mineral leasing and development
- BLM surface, Native patent subsurface





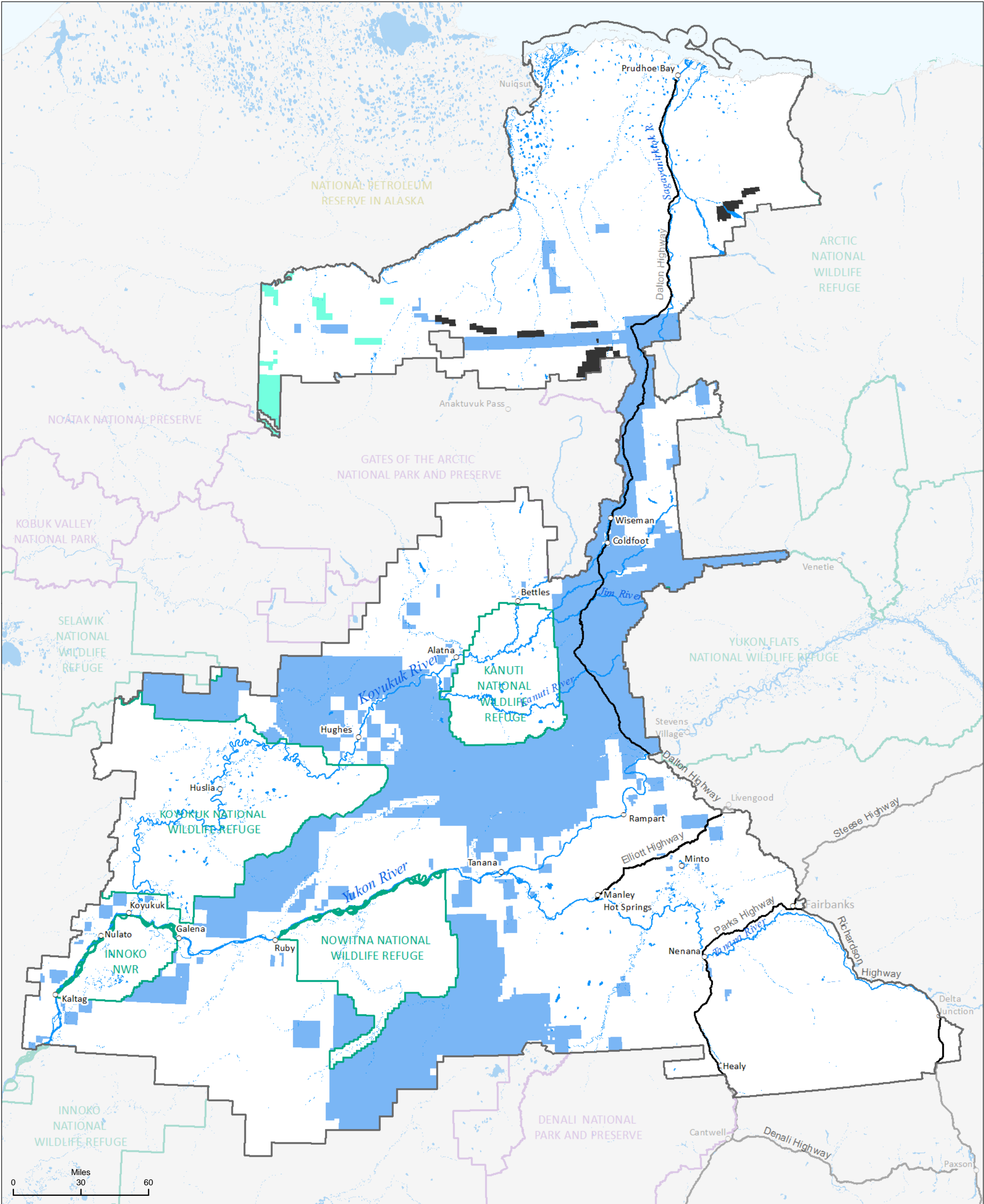
- Withdrawn from fluid mineral leasing and development
- Open to fluid mineral leasing and development
- BLM surface, Native patent subsurface
- Closed to fluid mineral leasing and development






No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed through digital means and may be updated without notification.

Data Source: BLM GIS 2017

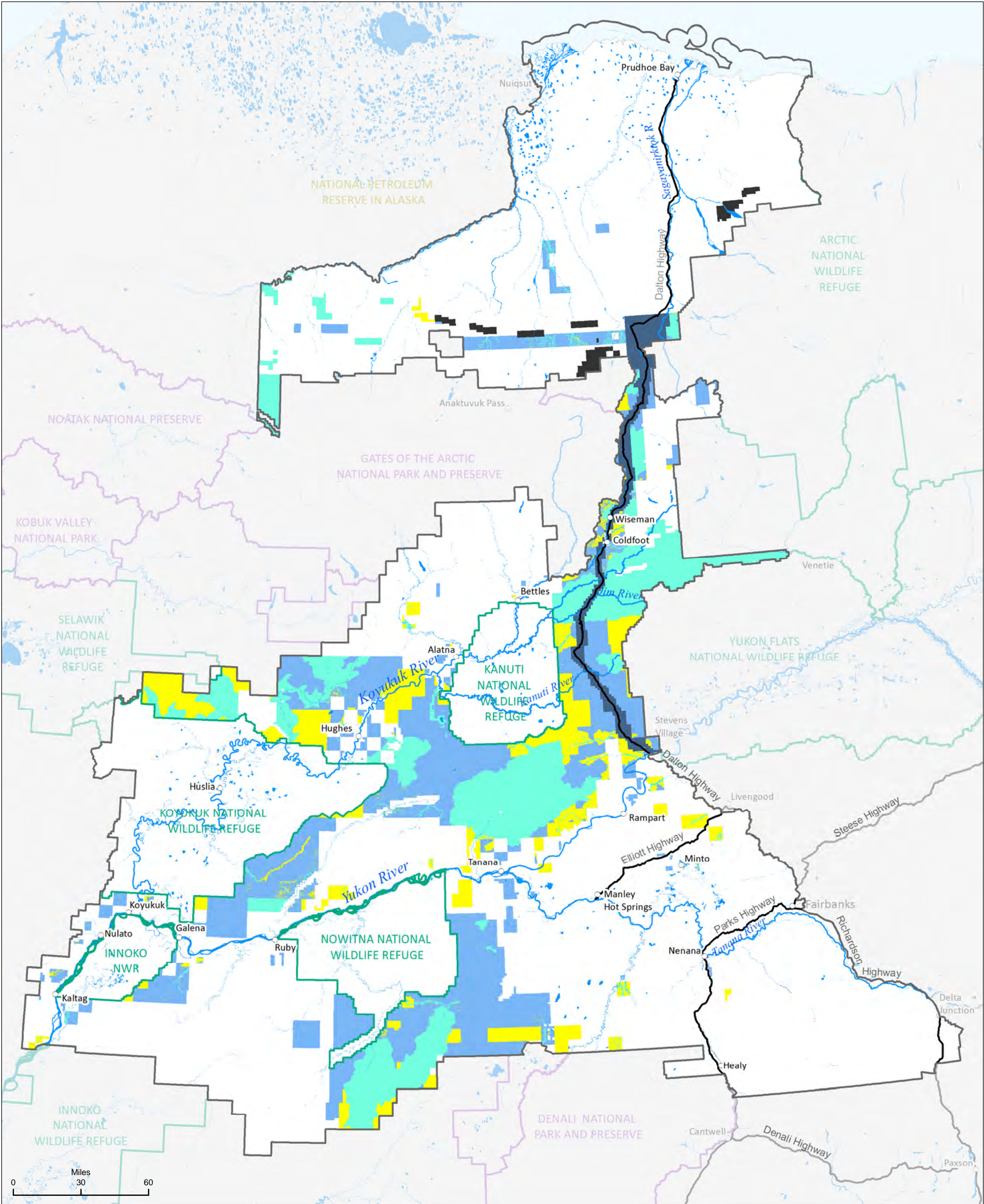




-  Closed to fluid mineral leasing and development
-  Open to fluid mineral leasing and development
-  BLM surface, Native patent subsurface



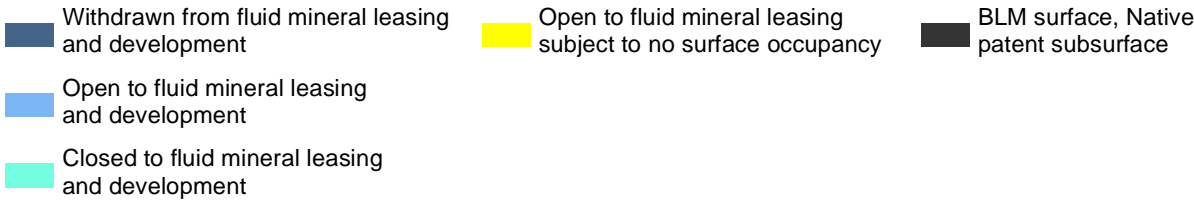




- Withdrawn from fluid mineral leasing and development
- Open to fluid mineral leasing subject to no surface occupancy
- BLM surface, Native patent subsurface
- Open to fluid mineral leasing and development
- Closed to fluid mineral leasing and development

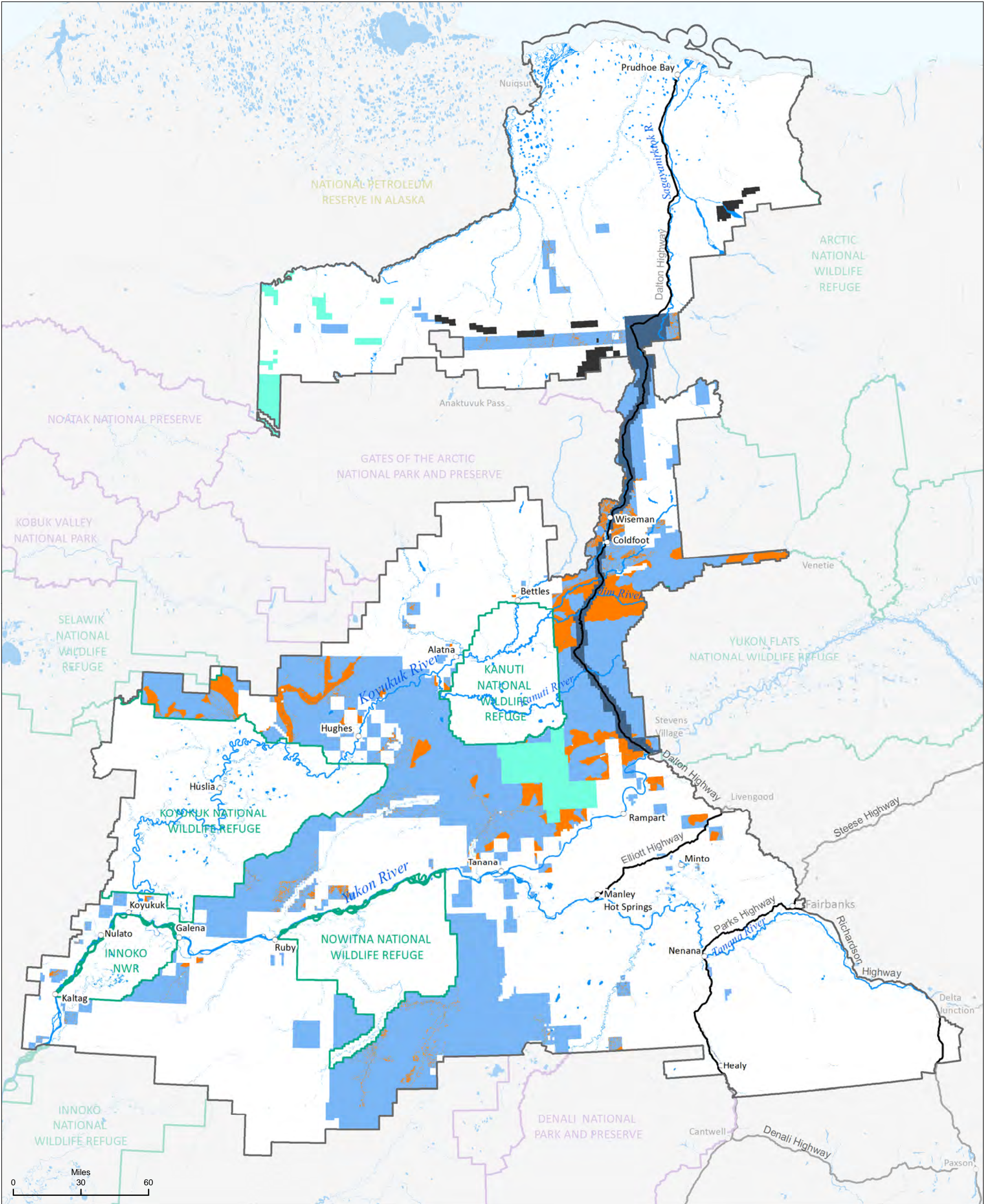






Map 2.61








- Withdrawn from fluid mineral leasing and development
- Open to fluid mineral leasing and development
- Closed to fluid mineral leasing and development
- Open to fluid mineral leasing subject to controlled surface use
- BLM surface, Native patent subsurface



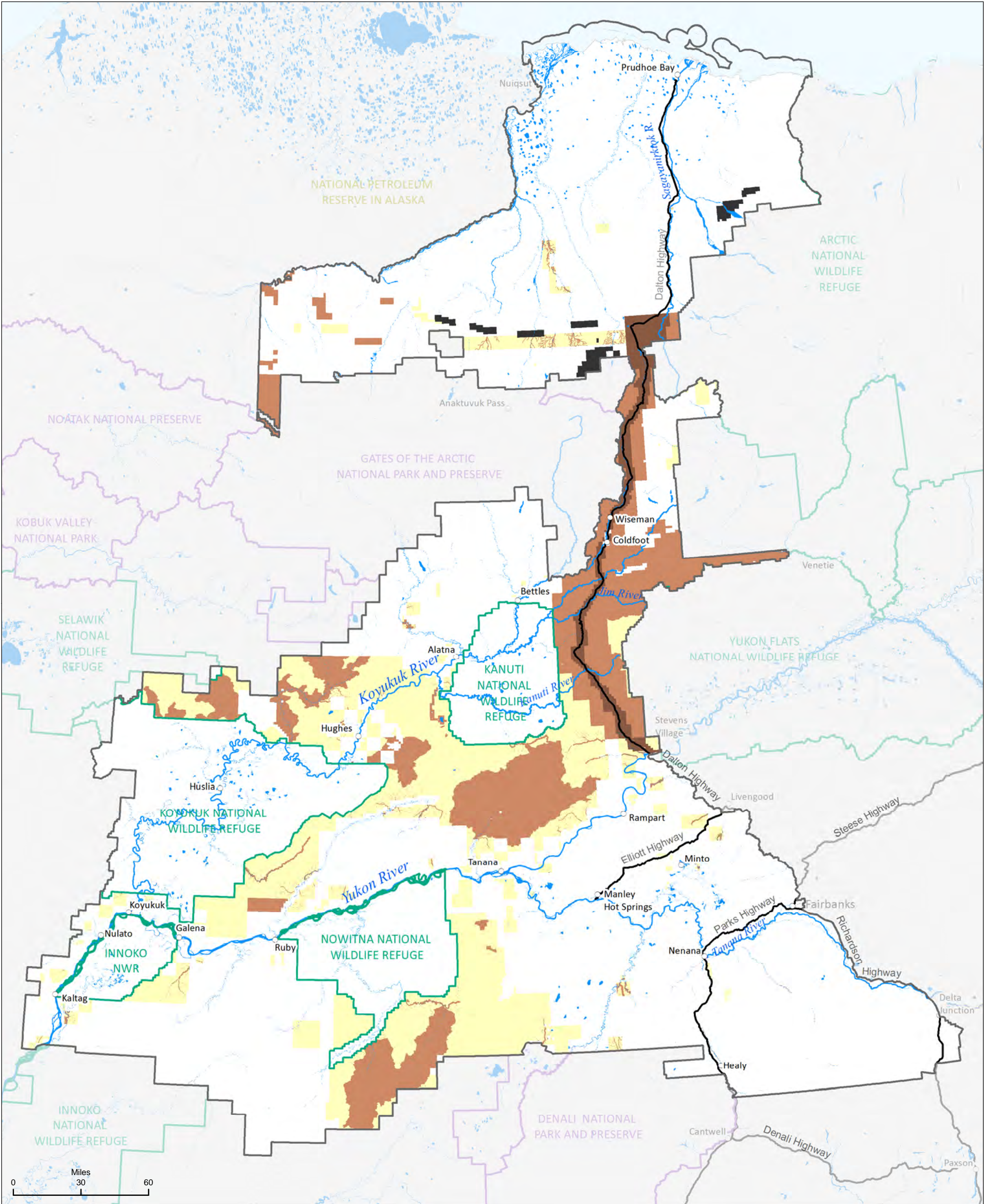




-  Closed to nonenergy solid mineral leasing per Alaska Native Claims Settlement Act (ANCSA) public land orders (PLOs)
  Closed to nonenergy solid mineral leasing and development
  BLM surface, Native patent subsurface
  Open to nonenergy solid mineral leasing and development



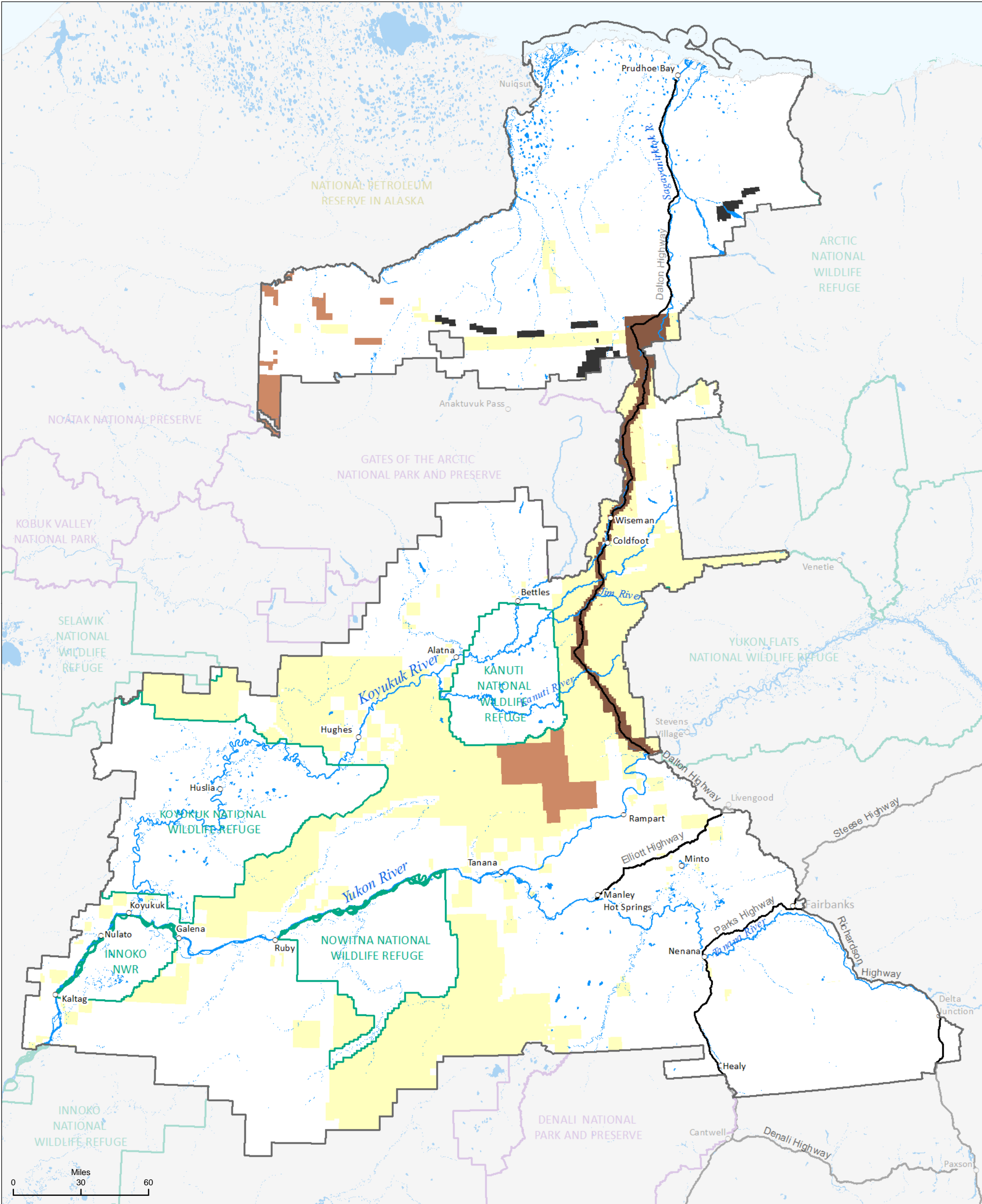




- Withdrawn from fluid mineral leasing and development
- Closed to nonenergy solid mineral leasing and development
- Open to nonenergy solid mineral leasing and development
- BLM surface, Native patent subsurface

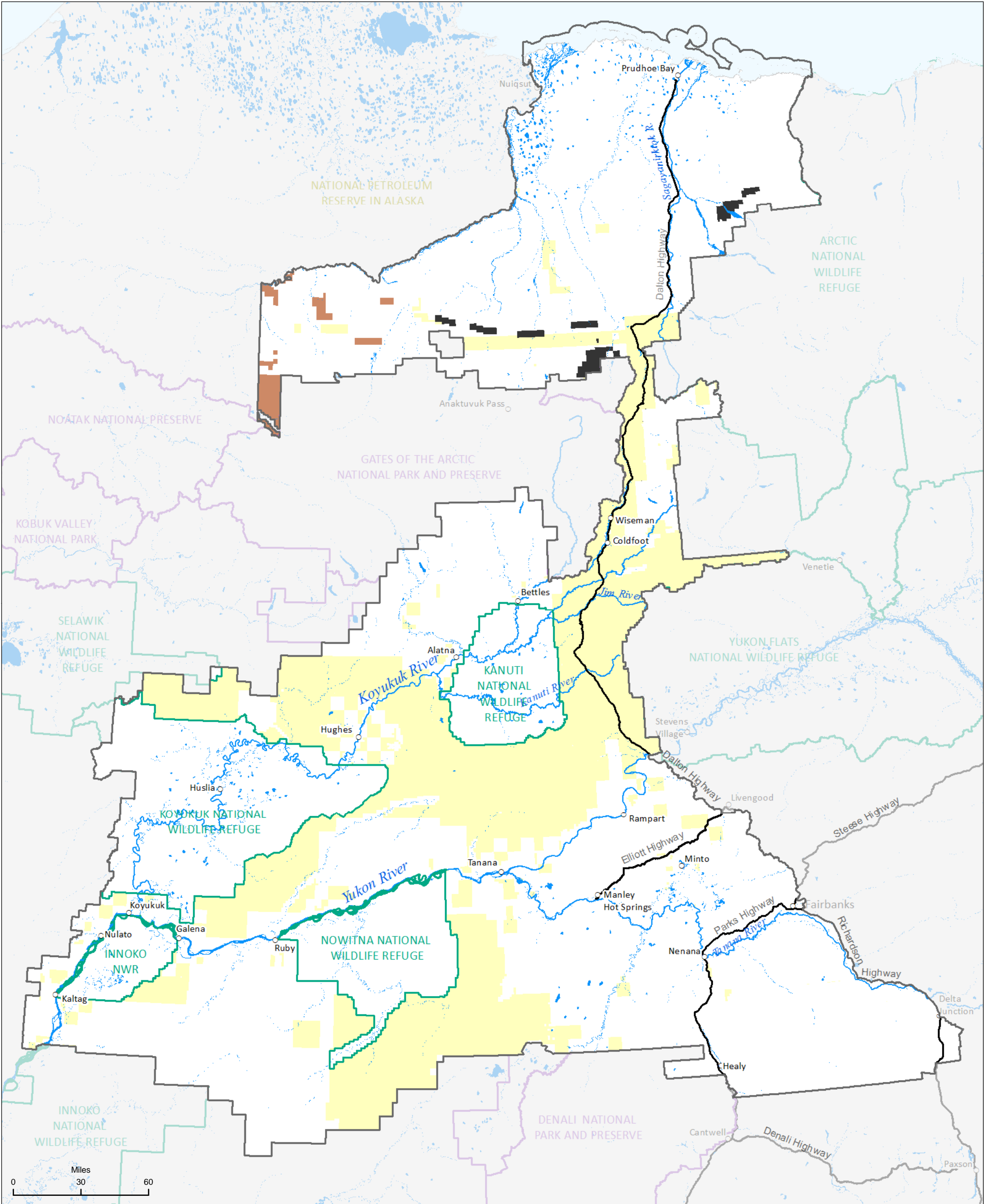






- Withdrawn from fluid mineral leasing and development
- BLM surface, Native patent subsurface
- Closed to nonenergy solid mineral leasing and development
- Open to nonenergy solid mineral leasing and development

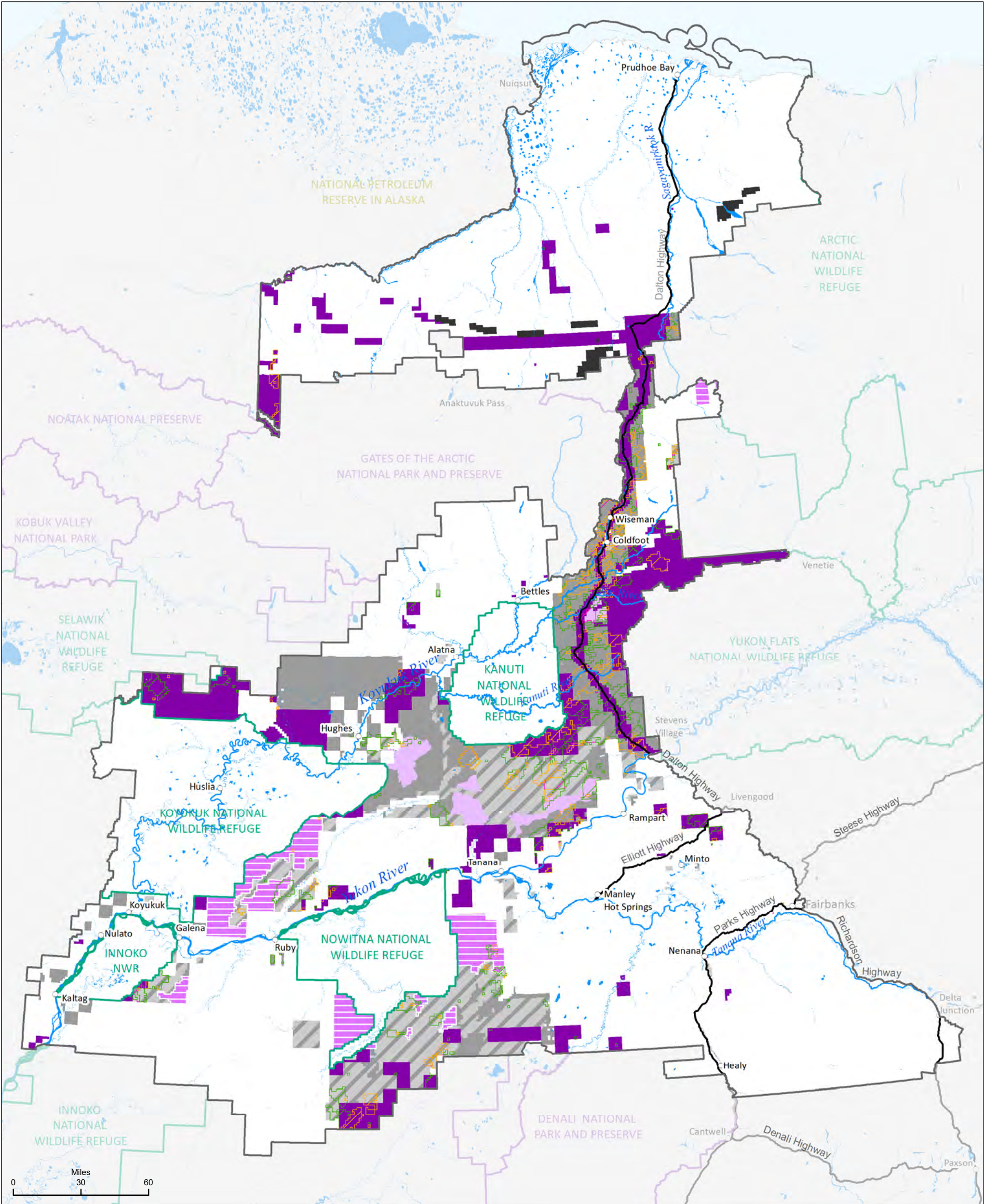




- Closed to nonenergy solid mineral leasing and development
- Open to nonenergy solid mineral leasing and development
- BLM surface, Native patent subsurface



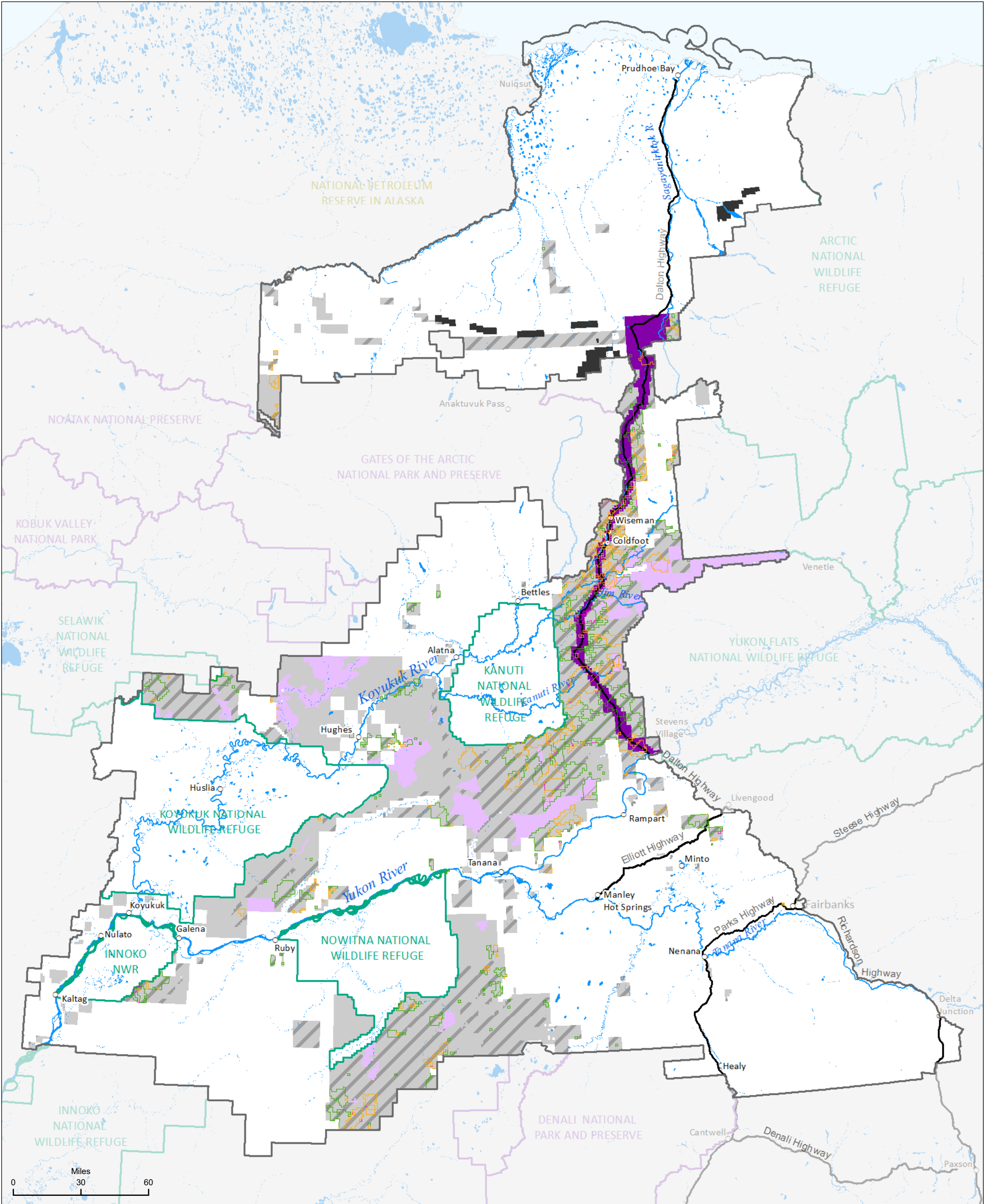




- |   |                              |                                       |
|---|------------------------------|---------------------------------------|
| Withdrawn under public land orders                      | Mineral Potential High (10<) | BLM surface, Native patent subsurface |
| Withdrawn, but open to metalliferous                    | Medium (4–9)                 |                                       |
| Recommended for withdrawal from locatable mineral entry | Low (1–3)                    |                                       |
| Open to locatable mineral entry                         | None (0)                     |                                       |
| Open, State or Native-selection, segregated             |                              |                                       |







- |   |                              |                                       |
|---|------------------------------|---------------------------------------|
| Withdrawn from locatable mineral entry                  | Mineral Potential High (10<) | BLM surface, Native patent subsurface |
| Recommended for withdrawal from locatable mineral entry | Medium (4–9)                 |                                       |
| Open to locatable mineral entry                         | Low (1–3)                    |                                       |
| Open, State or Native-selection, segregated             | None (0)                     |                                       |

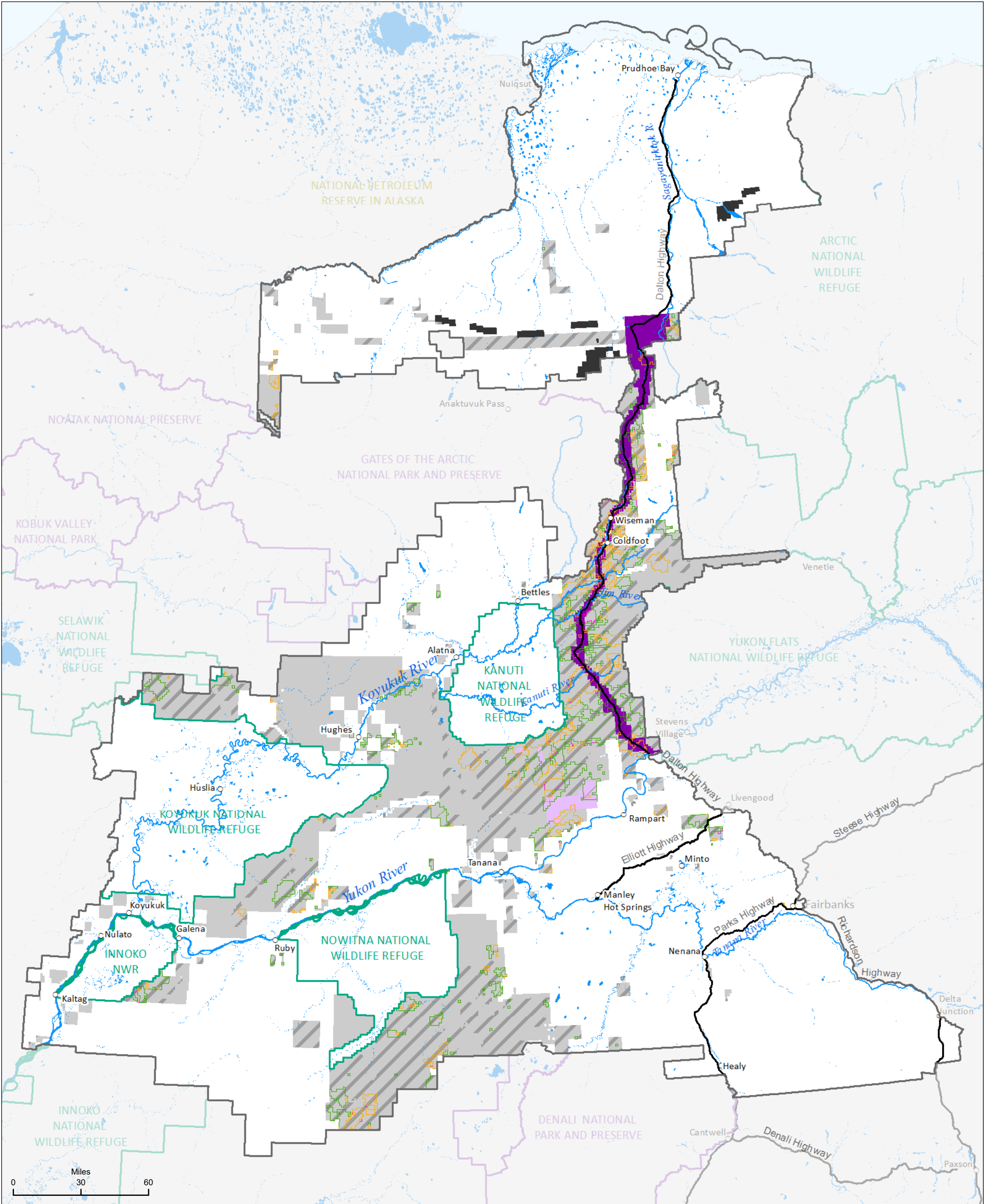
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Data Source: BLM GIS 2017



Map 2.68

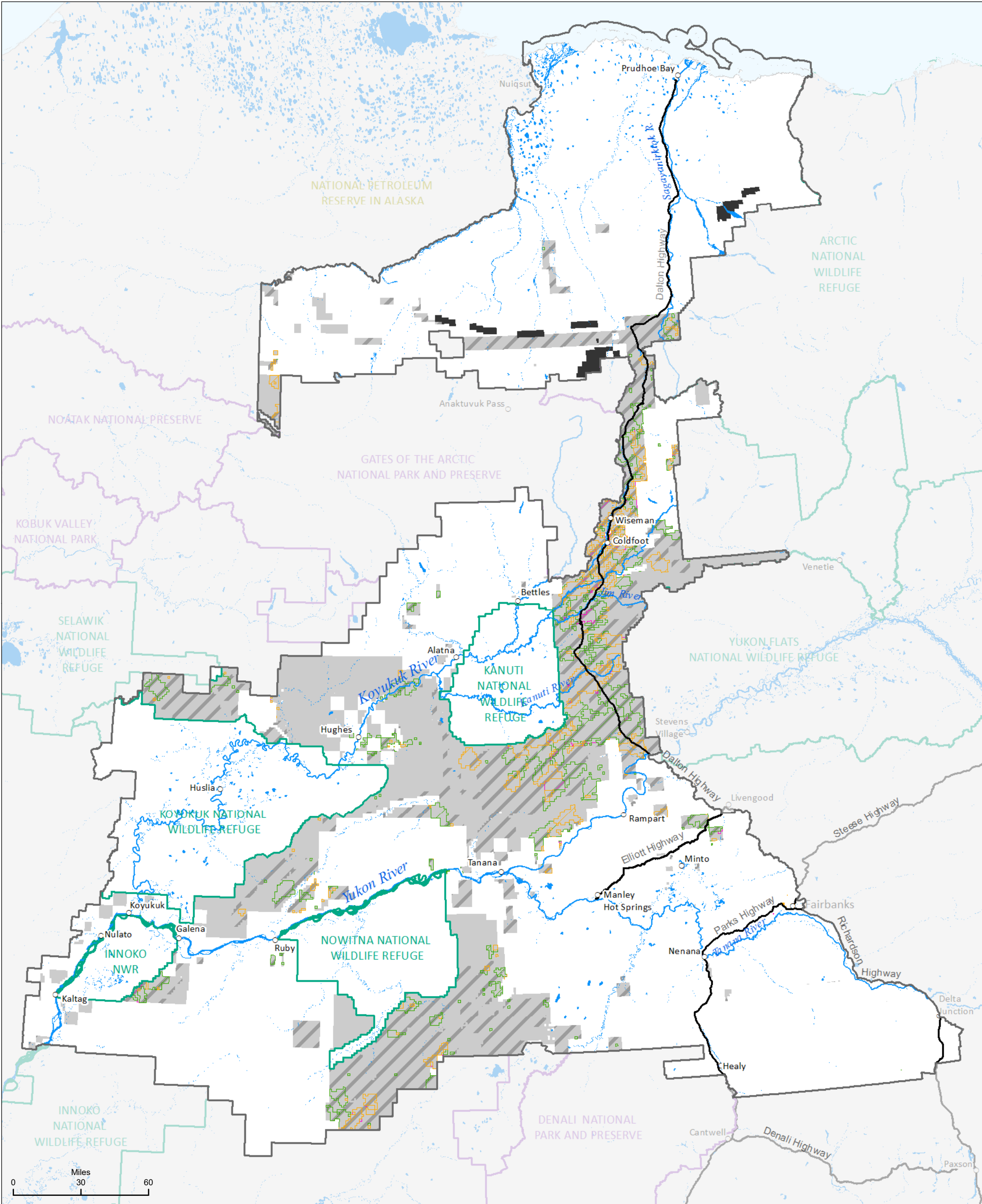
Print Date: 10/29/2020



- |   |                                |                                       |
|---|--------------------------------|---------------------------------------|
| Withdrawn from locatable mineral entry                  | Mineral Potential High (10<)   | BLM surface, Native patent subsurface |
| Recommended for withdrawal from locatable mineral entry | Mineral Potential Medium (4–9) |                                       |
| Open to locatable mineral entry                         | Mineral Potential Low (1–3)    |                                       |
| Open, State or Native-selection, segregated             | Mineral Potential None (0)     |                                       |







Withdrawn from locatable mineral entry

Recommended for withdrawal from locatable mineral entry

Open to locatable mineral entry

Open, State or Native-selection, segregated

Mineral Potential

High (10<)

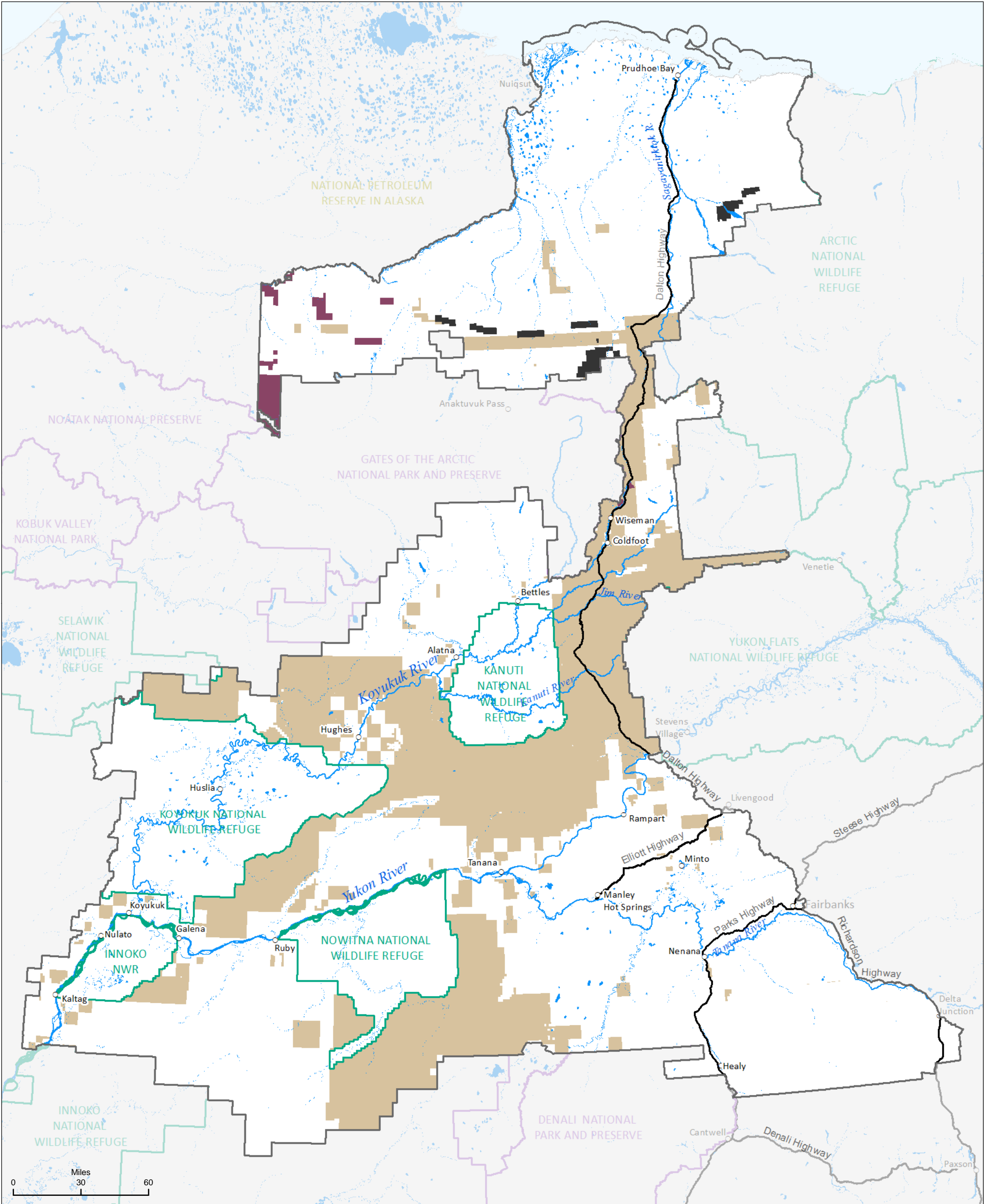
Medium (4–9)

Low (1–3)

None (0)

BLM surface, Native patent subsurface



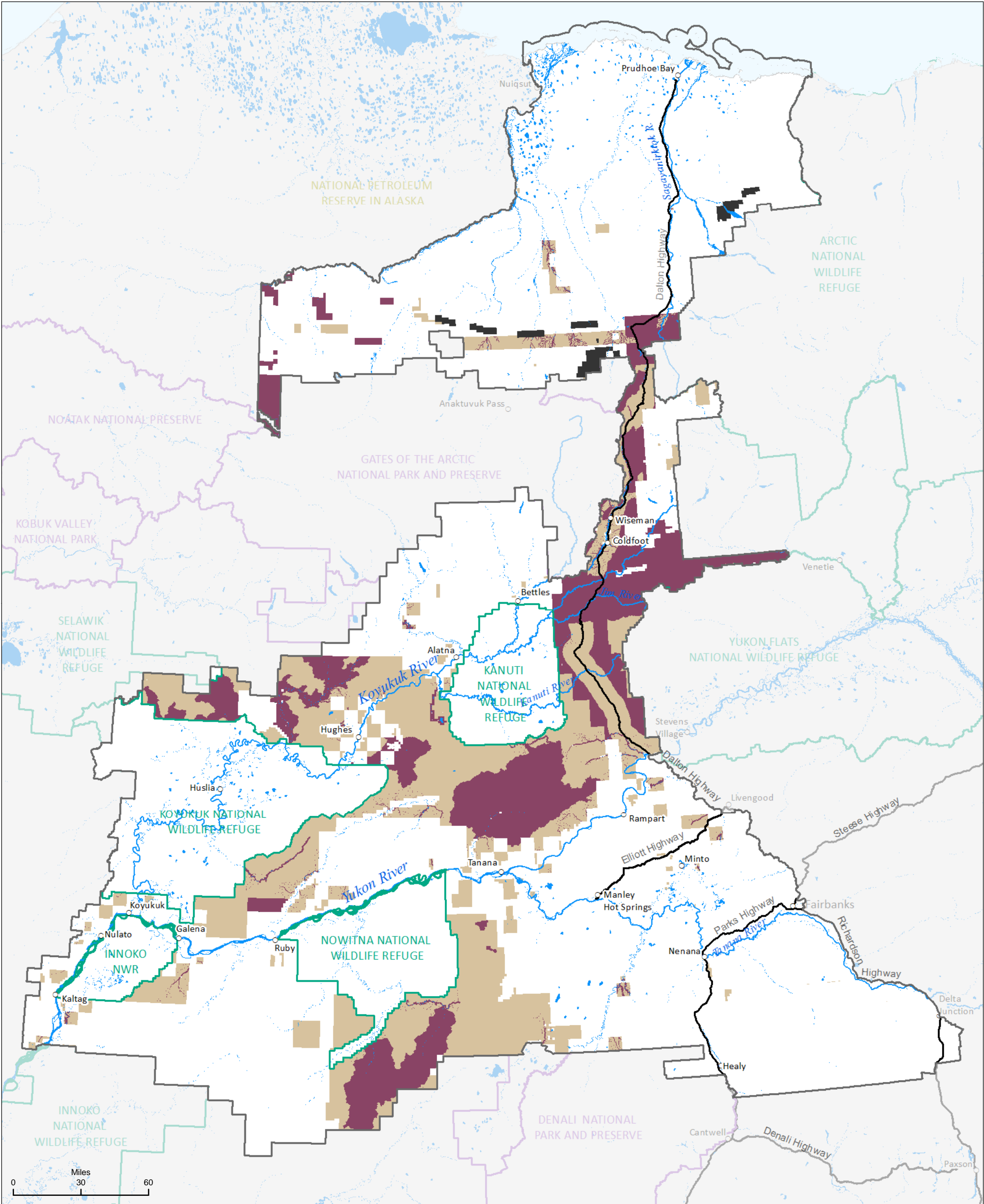


- Closed to mineral material disposal
- Open to mineral materials disposal
- BLM surface, Native patent subsurface



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Data Source: BLM GIS 2017



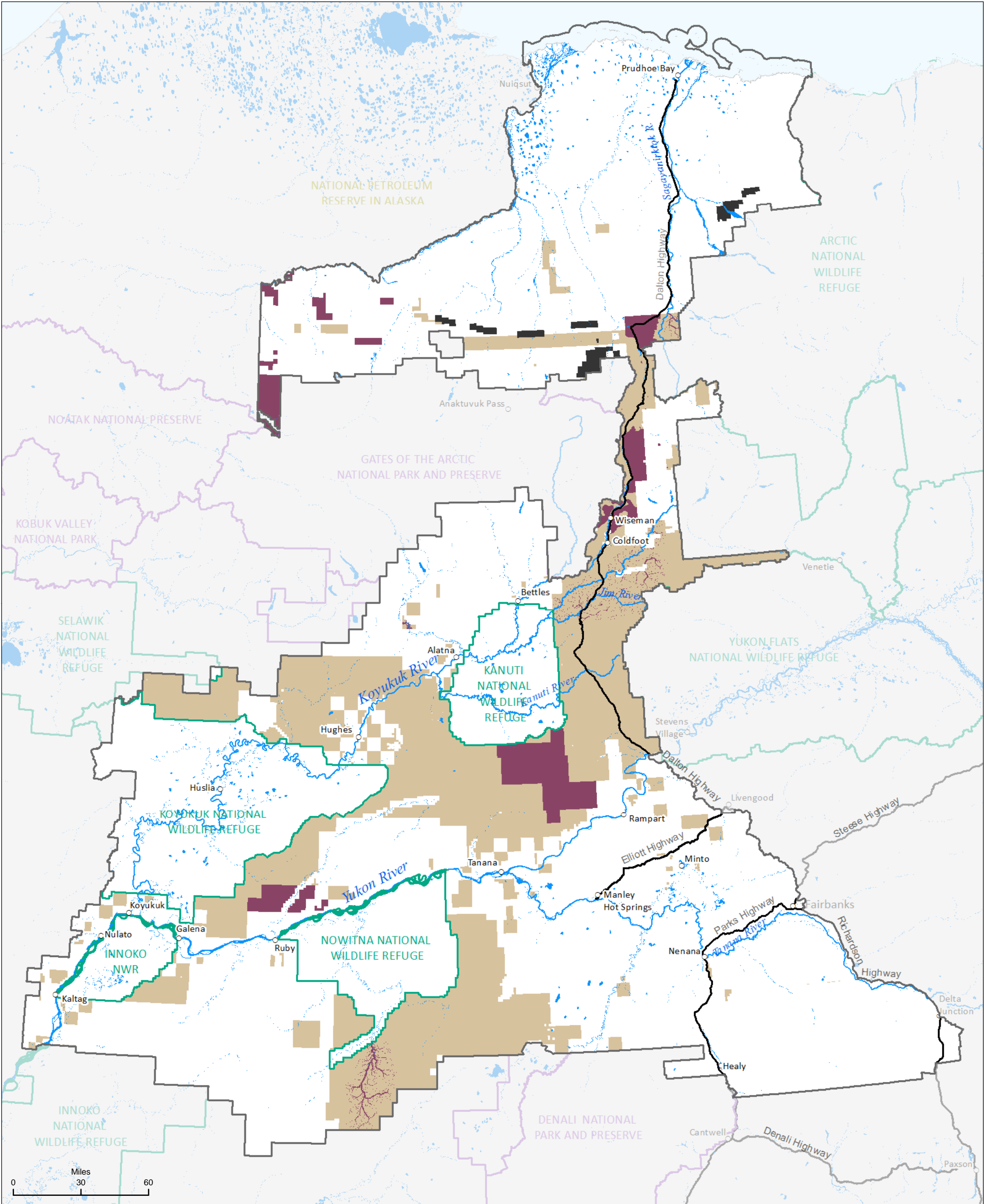
- Closed to mineral materials disposal
- Open to mineral materials disposal
- BLM surface, Native patent subsurface



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Data Source: BLM GIS 2017



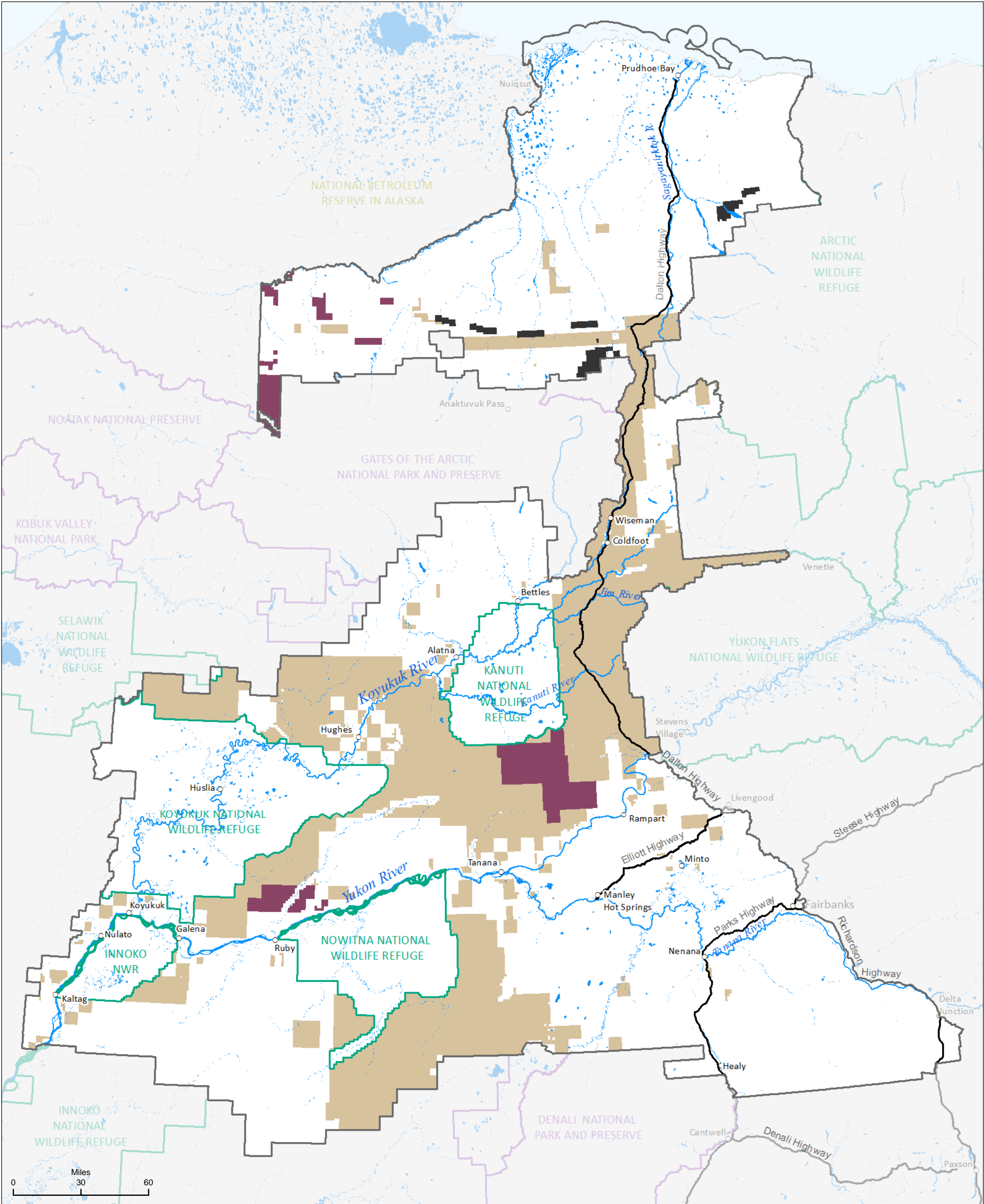


- Closed to mineral materials disposal
- Open to mineral materials disposal
- BLM surface, Native patent subsurface



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Data Source: BLM GIS 2017



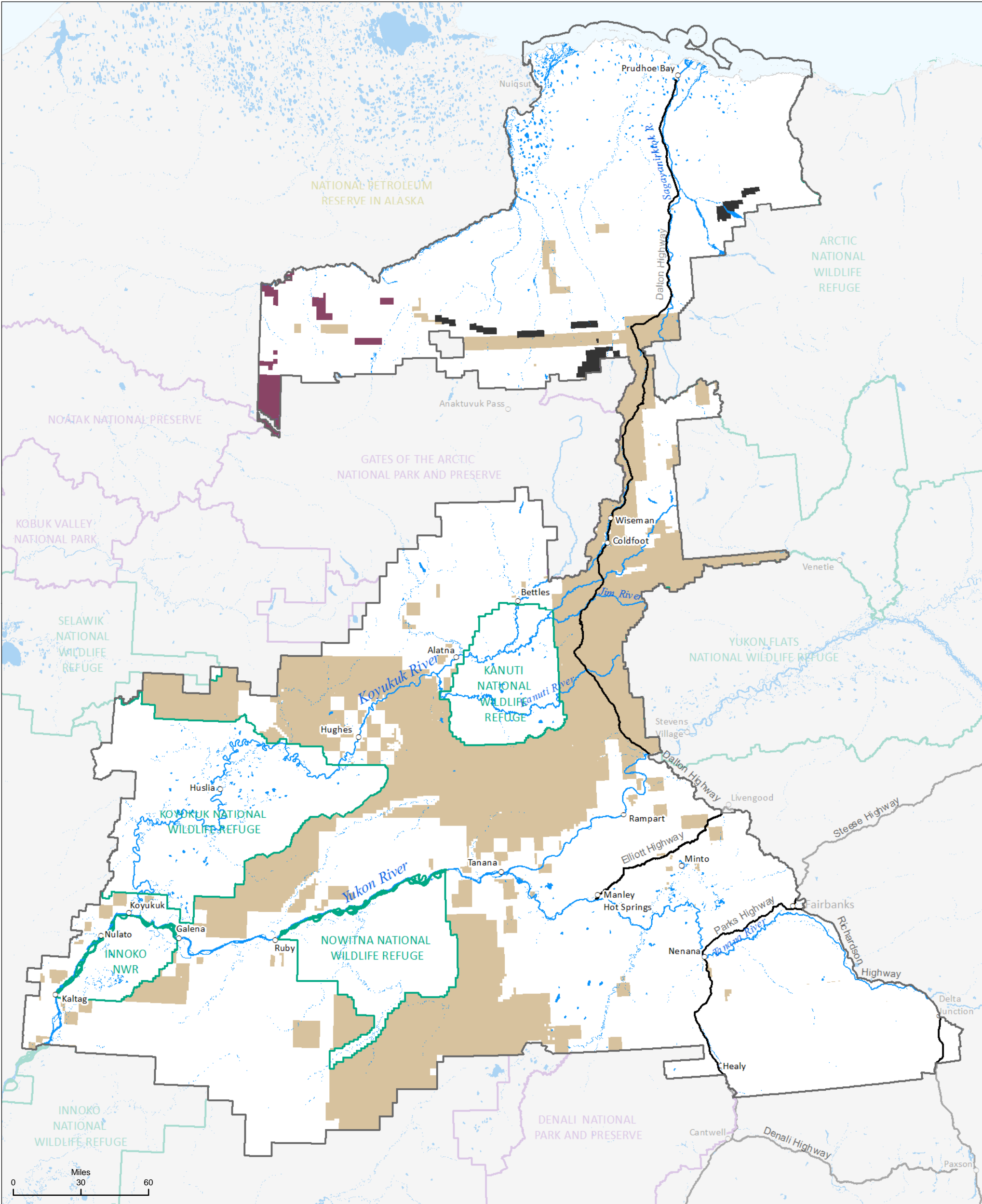
- Closed to mineral materials disposal
- Open to mineral materials disposal
- BLM surface, Native patent subsurface



No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed through digital means and may be updated without notification.

Data Source: BLM GIS 2017



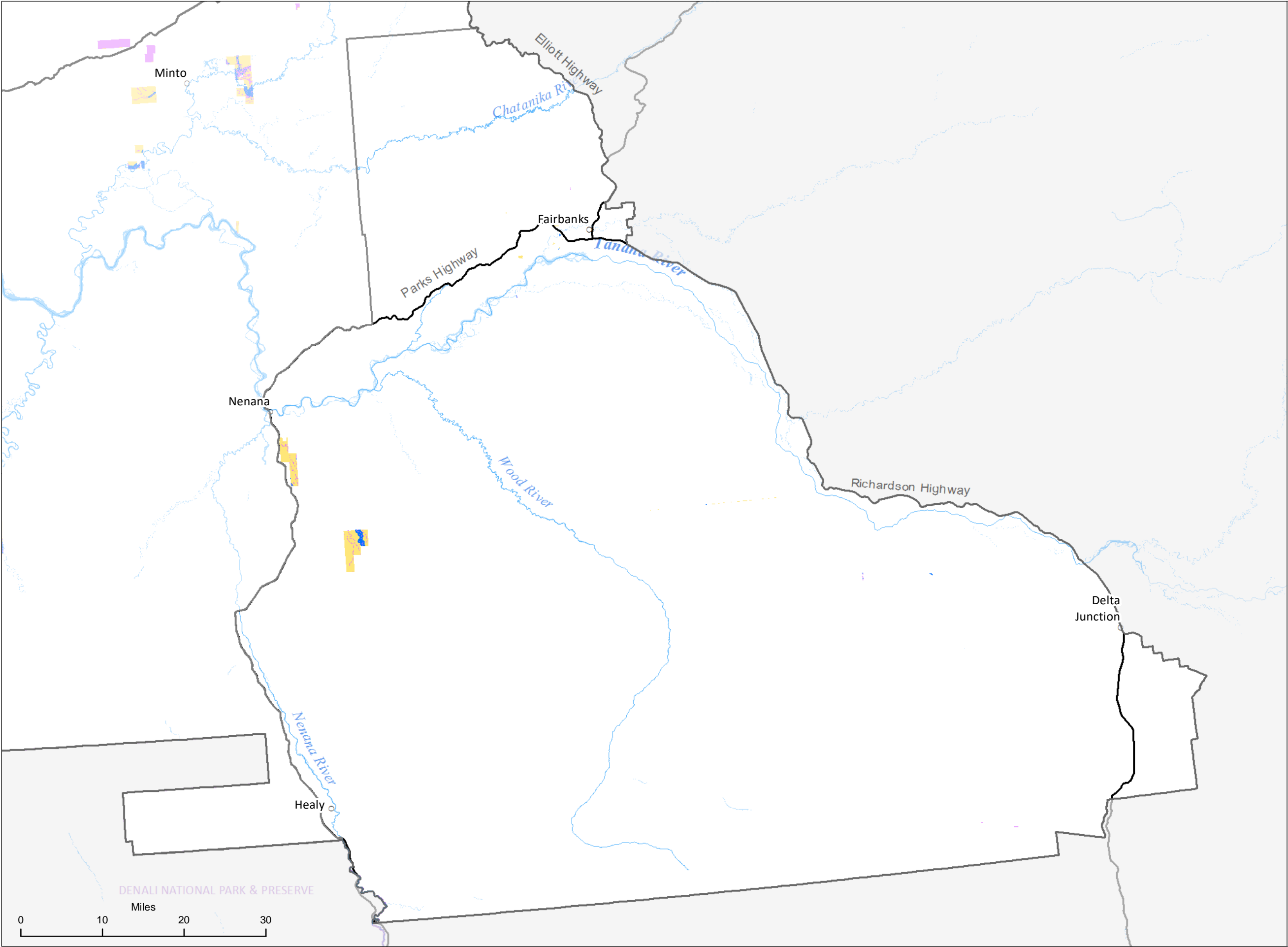


- Closed to mineral materials disposal
- Open to mineral materials disposal
- BLM surface, Native patent subsurface



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Data Source: BLM GIS 2017



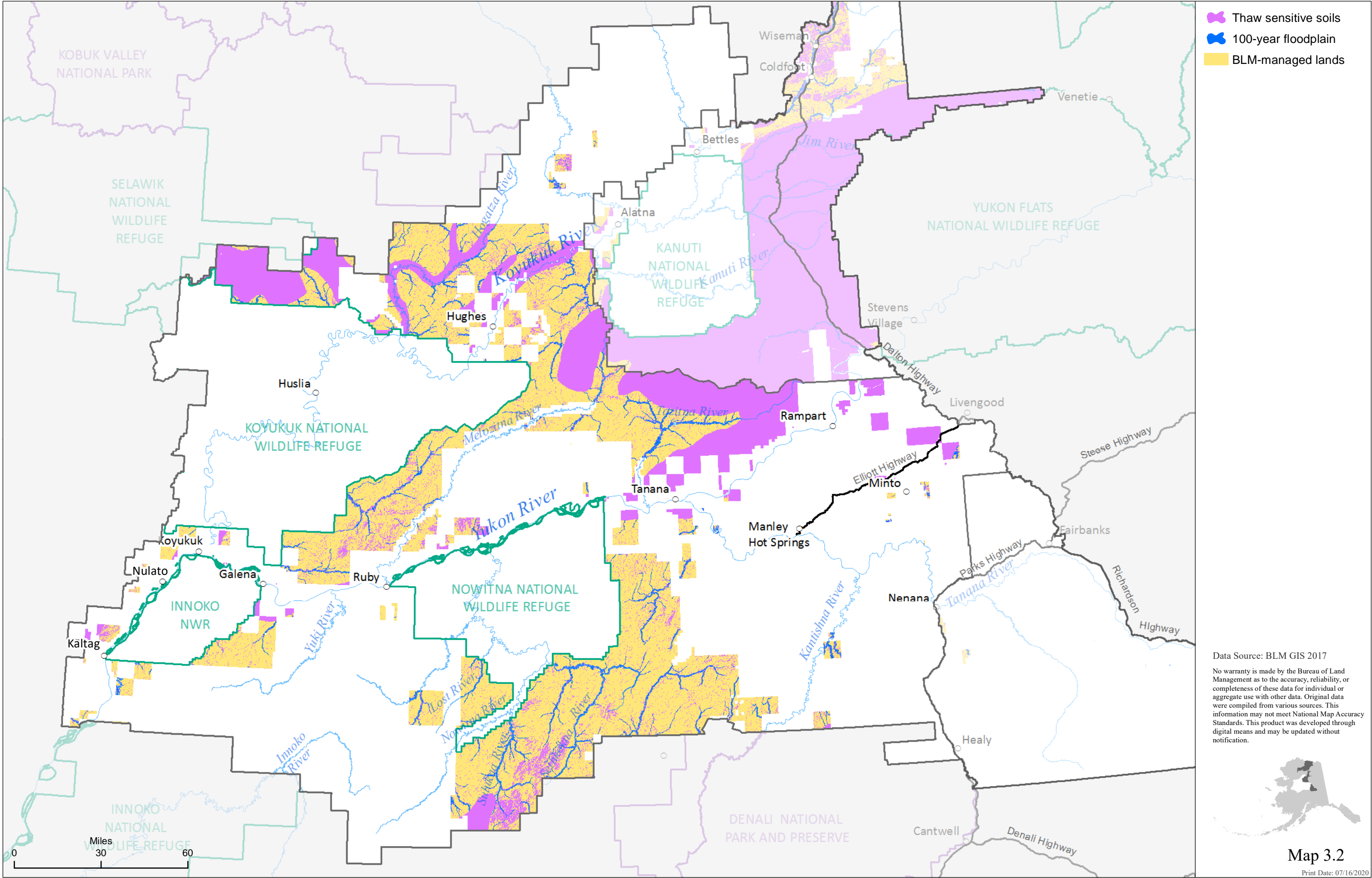
- Thaw sensitive soils
- 100-year floodplain
- BLM-managed lands

Data Source: BLM GIS 2017

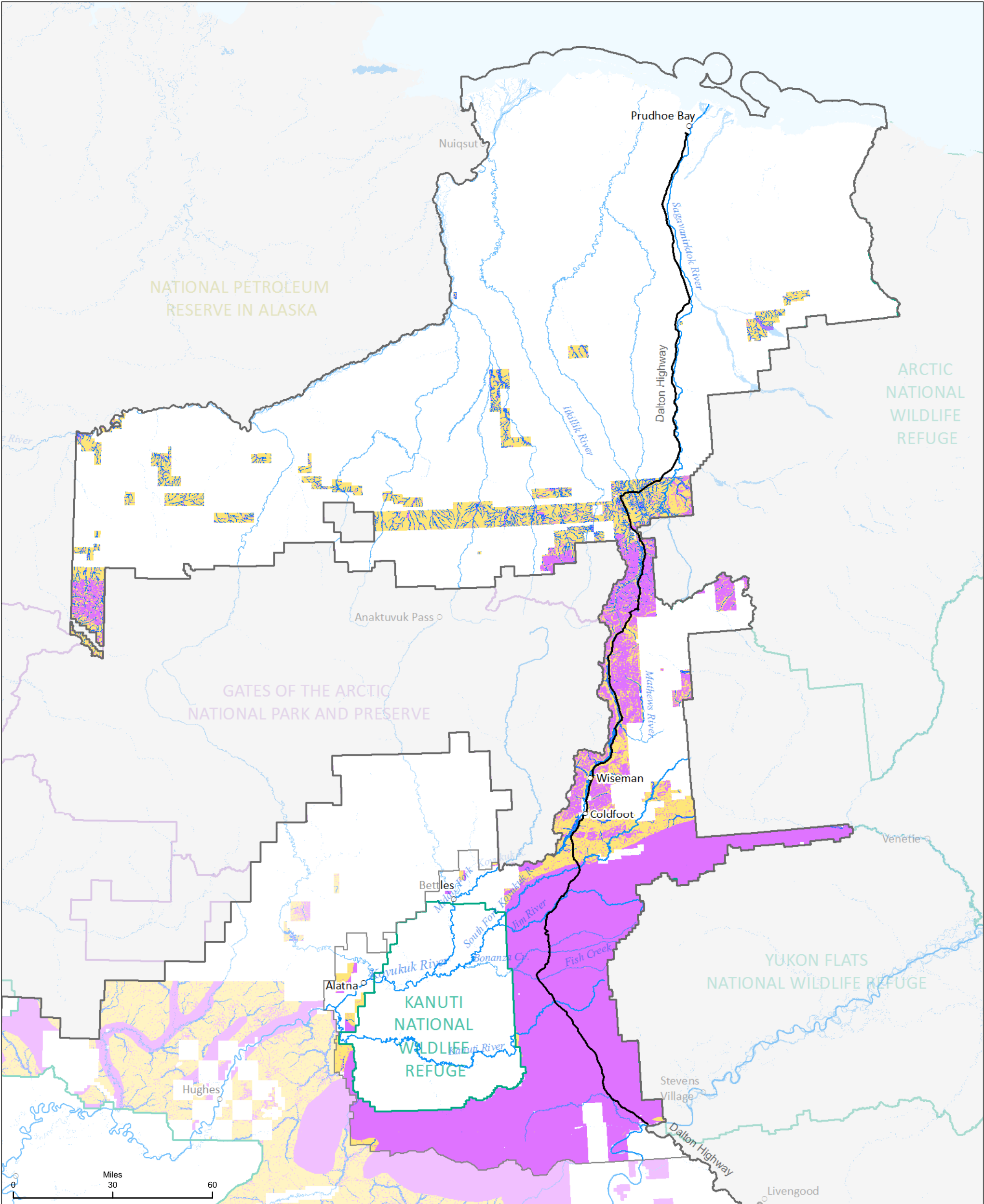
No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed through digital means and may be updated without notification.



Map 3.1







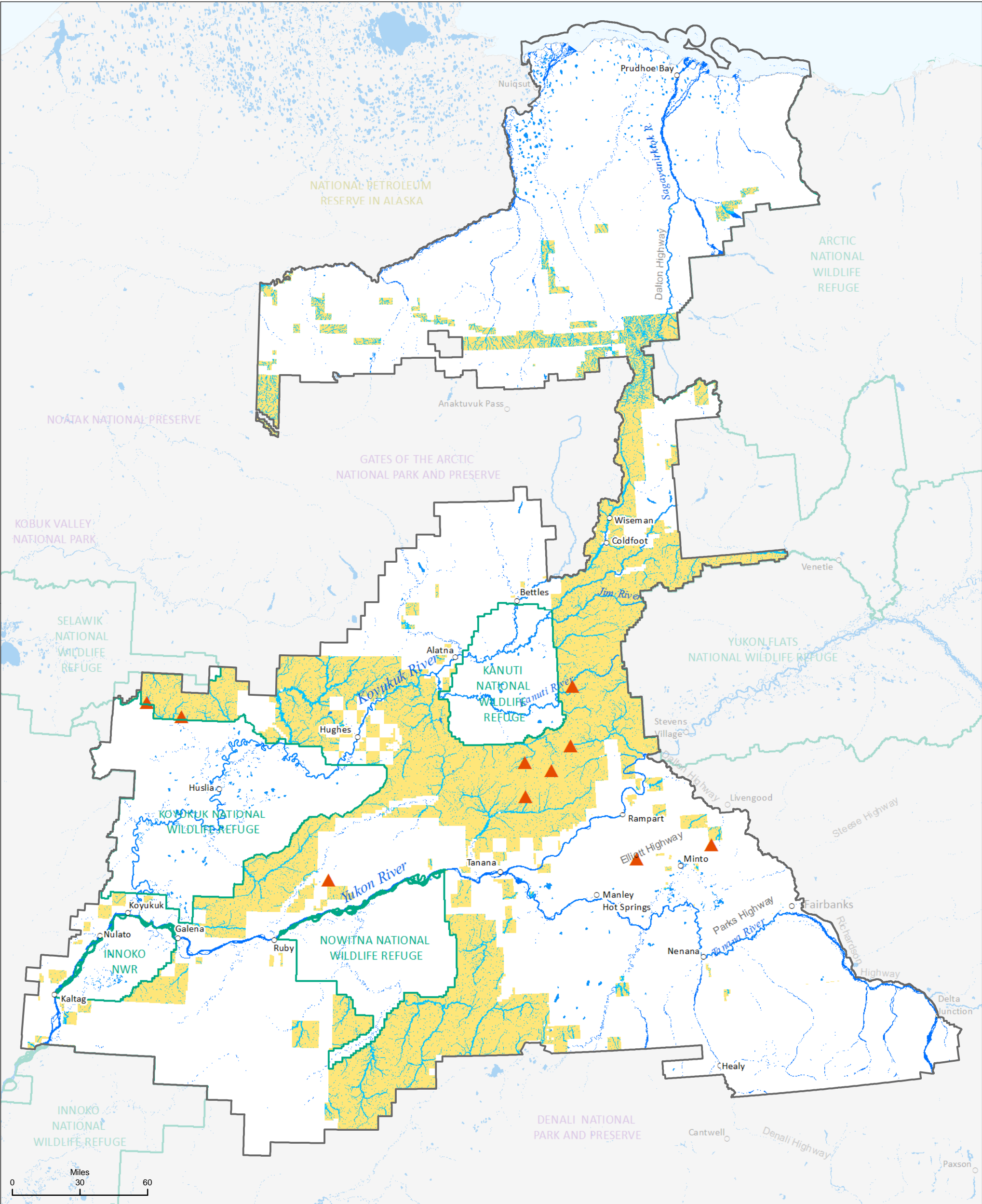
- Thaw sensitive soils
- 100-year floodplain
- BLM-managed lands



No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed through digital means and may be updated without notification.

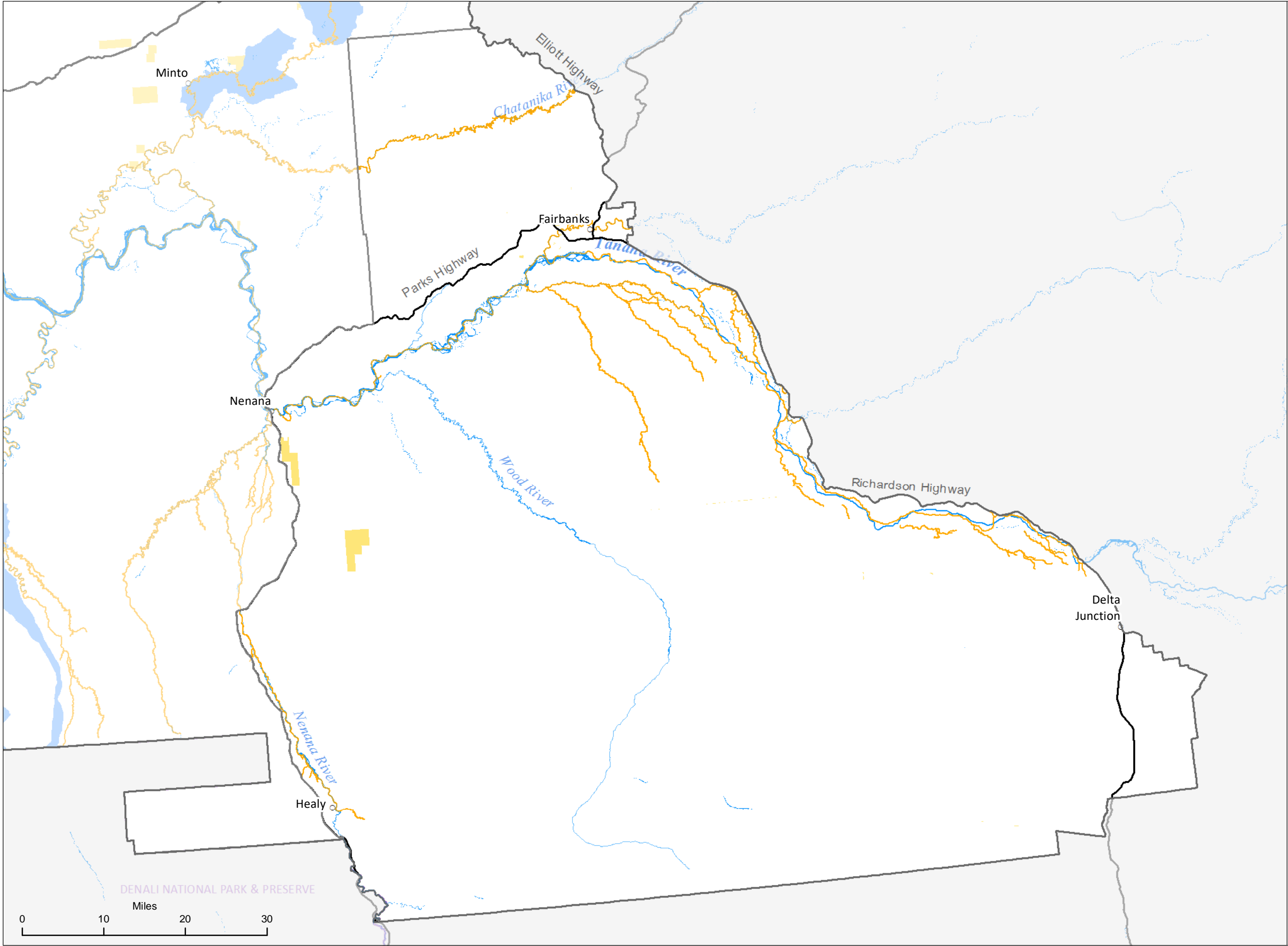
Data Source: BLM GIS 2017

Map 3.3



- Hot spring
- 100-year floodplain
- Lentic area
- BLM-managed lands





- High-value watershed
- Medium-value watershed
- Essential fish habitat
- BLM-managed lands

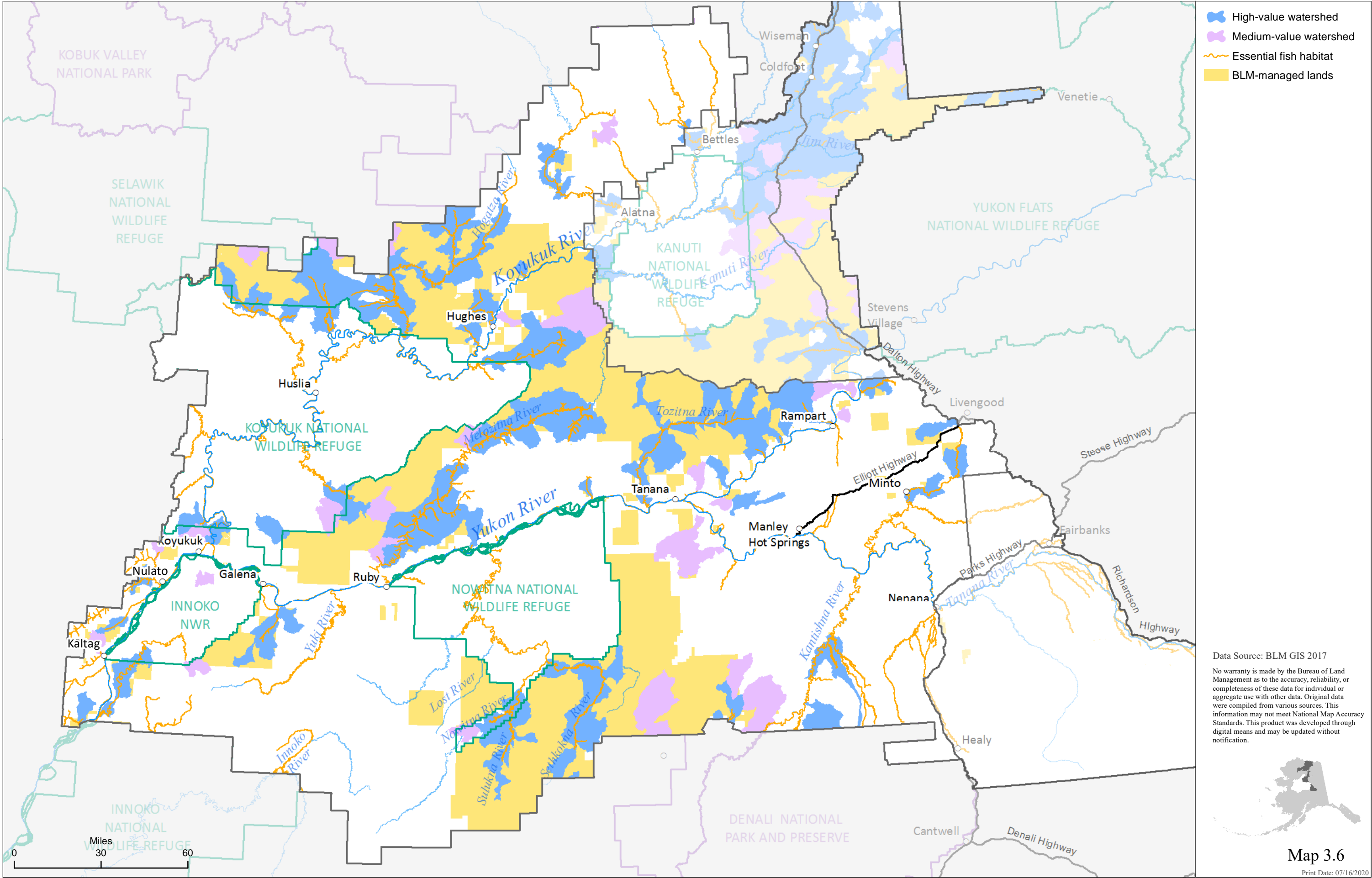
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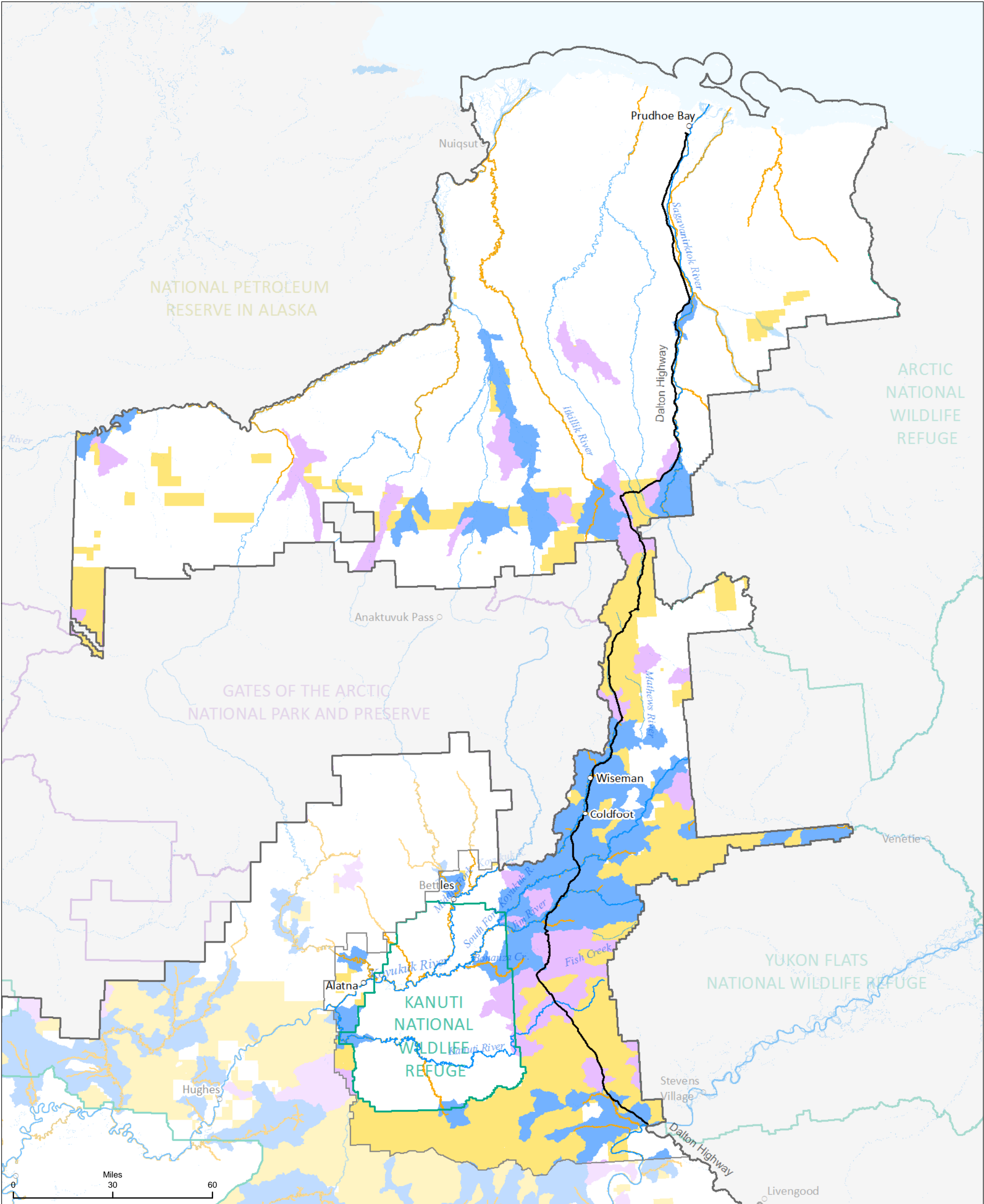
No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed through digital means and may be updated without notification.



Map 3.5







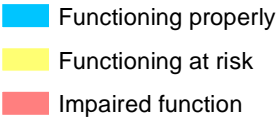
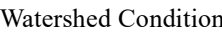
- High-value watershed
- Medium-value watershed
- Essential fish habitat
- BLM-managed lands

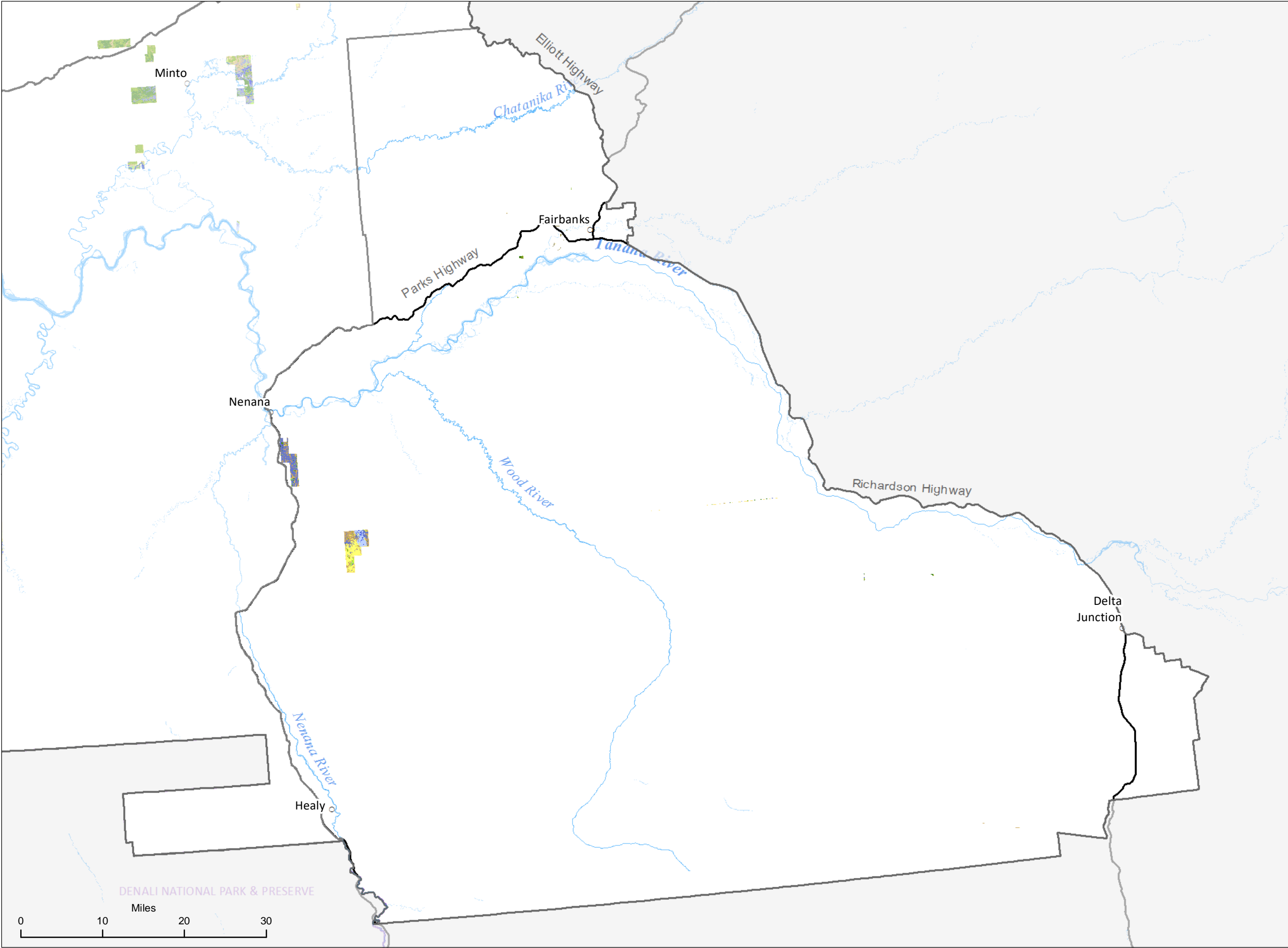


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Data Source: BLM GIS 2017

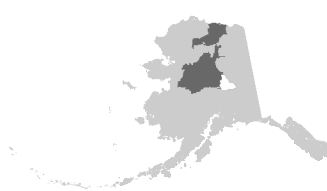






Data Source: BLM GIS 2017

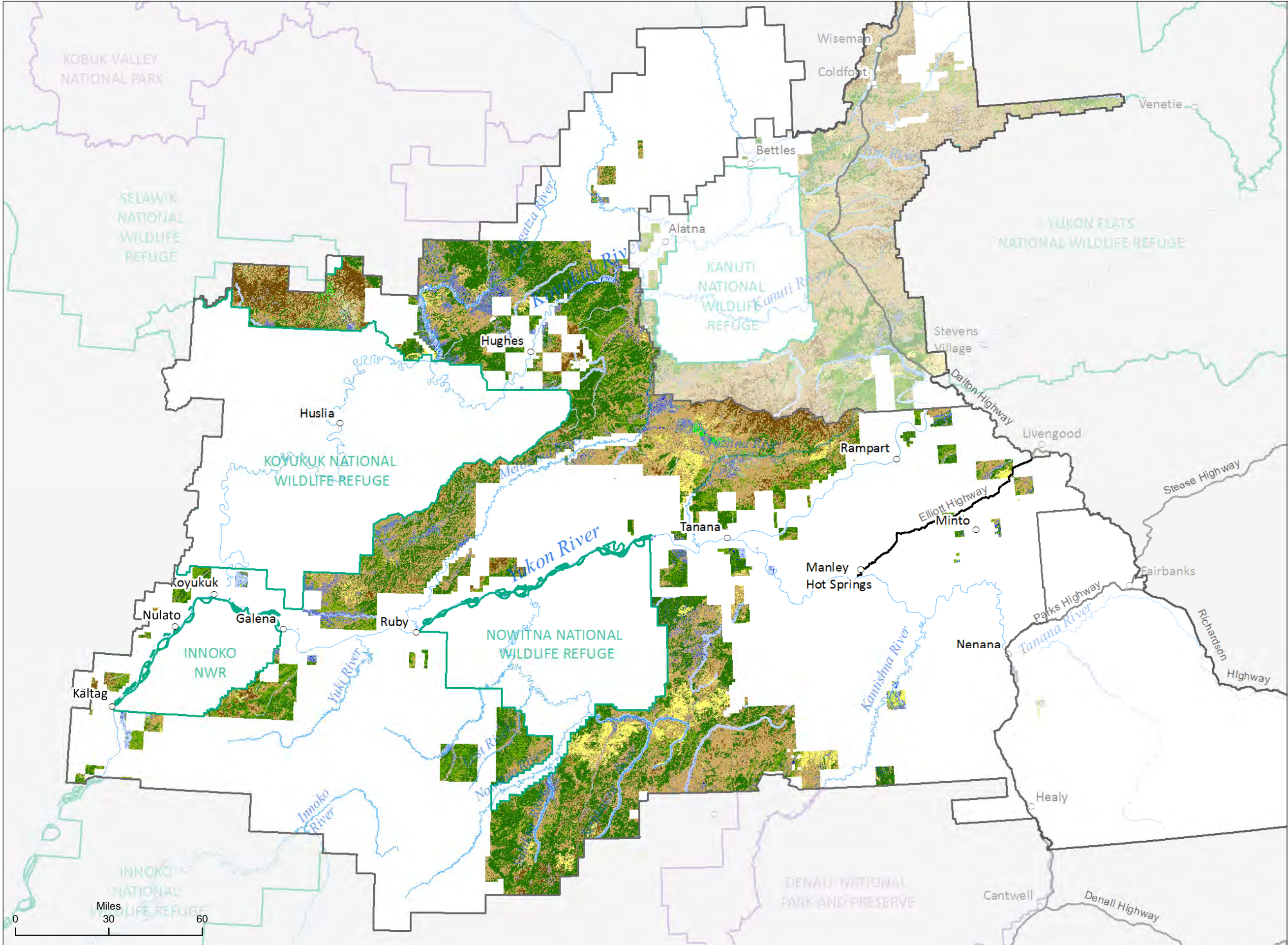
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**Map 3.9**

Print Date: 07/16/2020





- Alpine and arctic tussock tundra
- Alpine dwarf shrub tundra
- Barren land
- Cultivated crops
- Developed
- Emergent herbaceous wetlands
- Grassland/herbaceous
- Lowland woody wetland
- Moss
- Open water
- Perennial ice/snow
- Riparian forest and shrub
- Sedge/herbaceous
- Upland low and tall shrub
- Upland mesic spruce forest
- Upland mesic spruce-hardwood forest

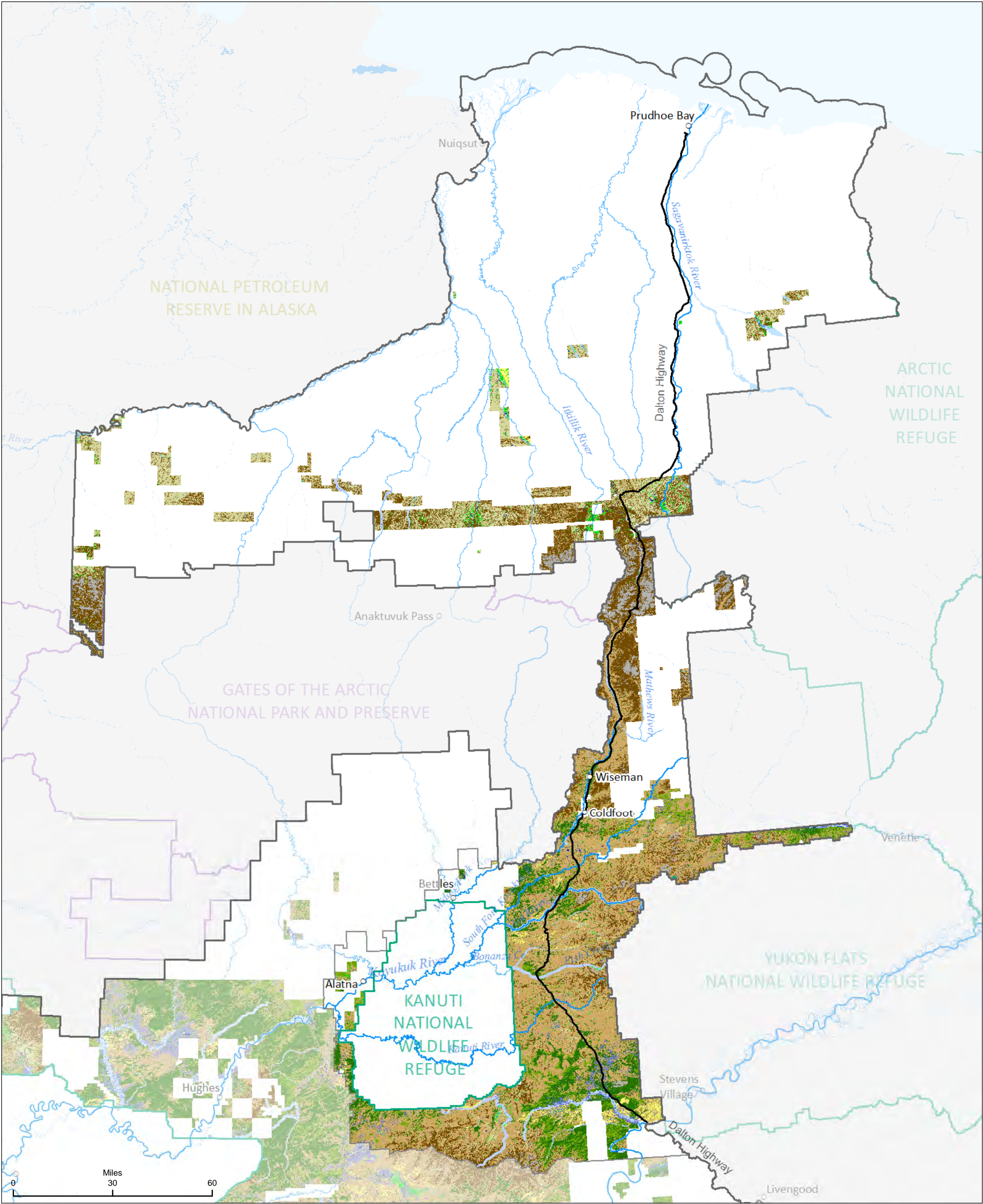
Data Source: BLM GIS 2017

No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed through digital means and may be updated without notification.



Map 3.10





- |                                  |                              |                                     |
|----------------------------------|------------------------------|-------------------------------------|
| Alpine and arctic tussock tundra | Emergent herbaceous wetlands | Perennial ice/snow                  |
| Alpine dwarf shrub tundra        | Grassland/herbaceous         | Riparian forest and shrub           |
| Barren land                      | Lowland woody wetland        | Sedge/herbaceous                    |
| Cultivated crops                 | Moss                         | Upland low and tall shrub           |
| Developed                        | Open water                   | Upland mesic spruce forest          |
|                                  |                              | Upland mesic spruce-hardwood forest |

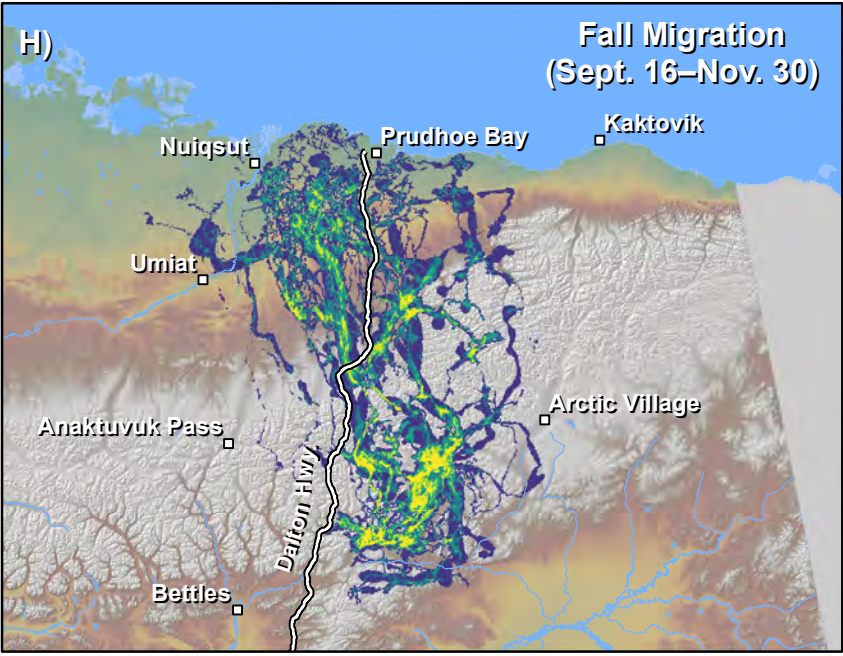
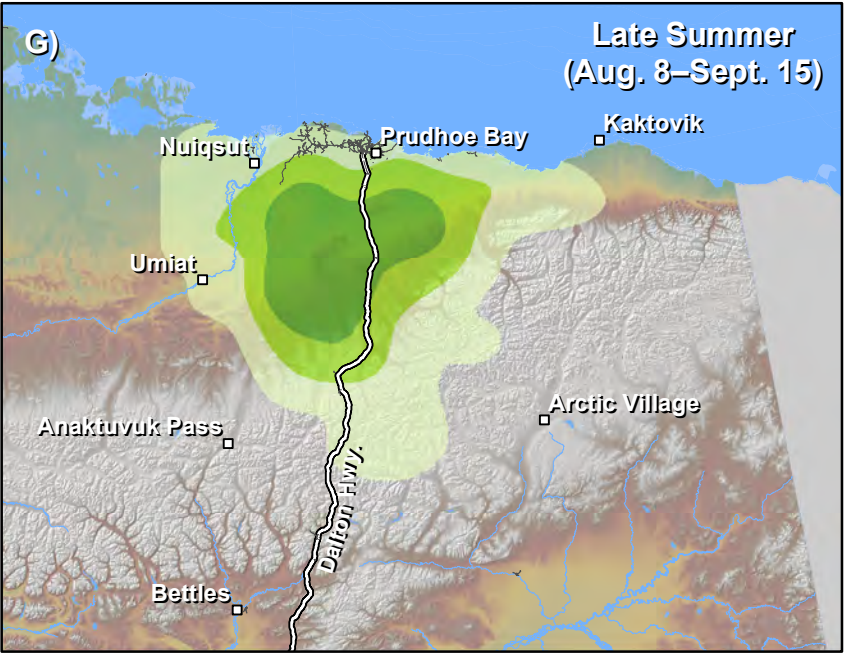
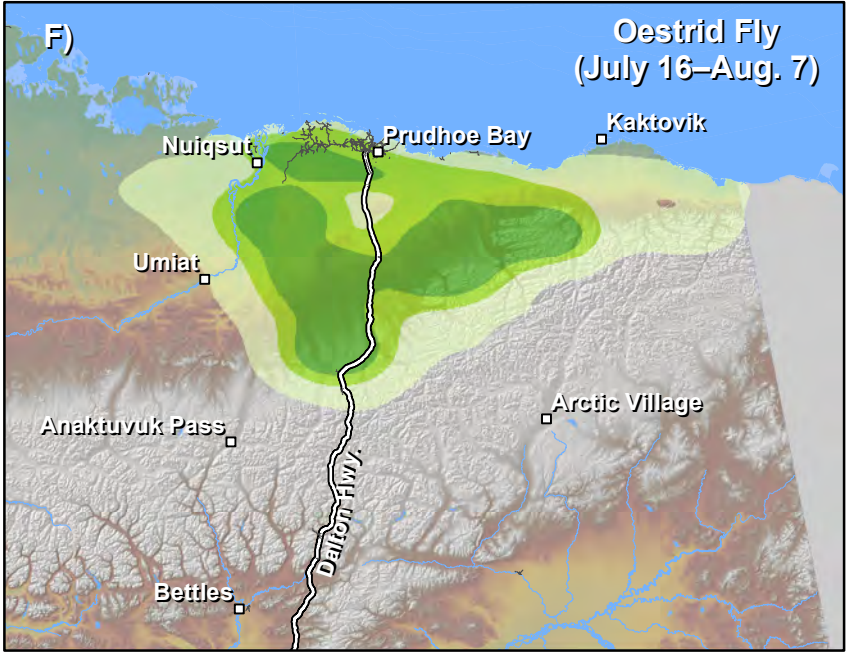
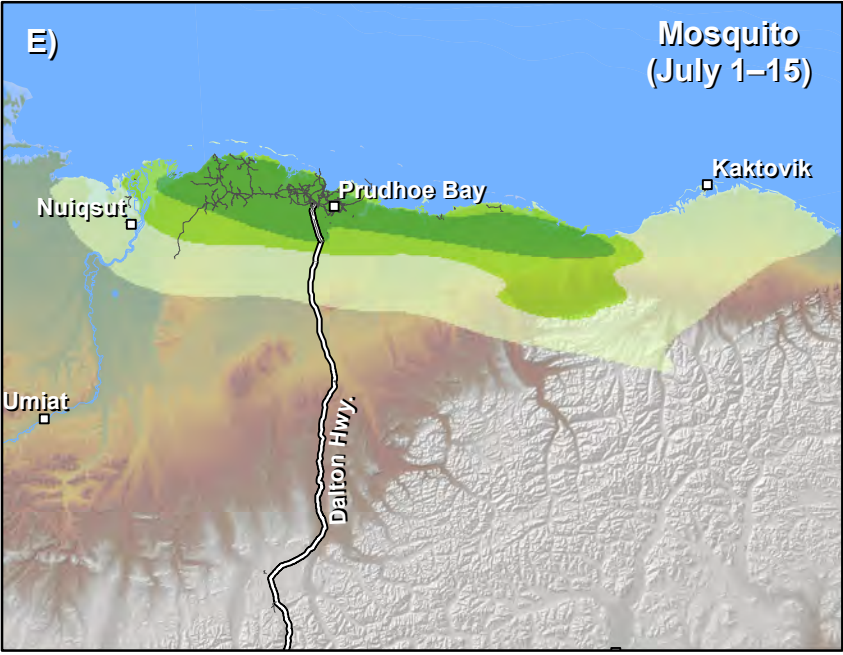
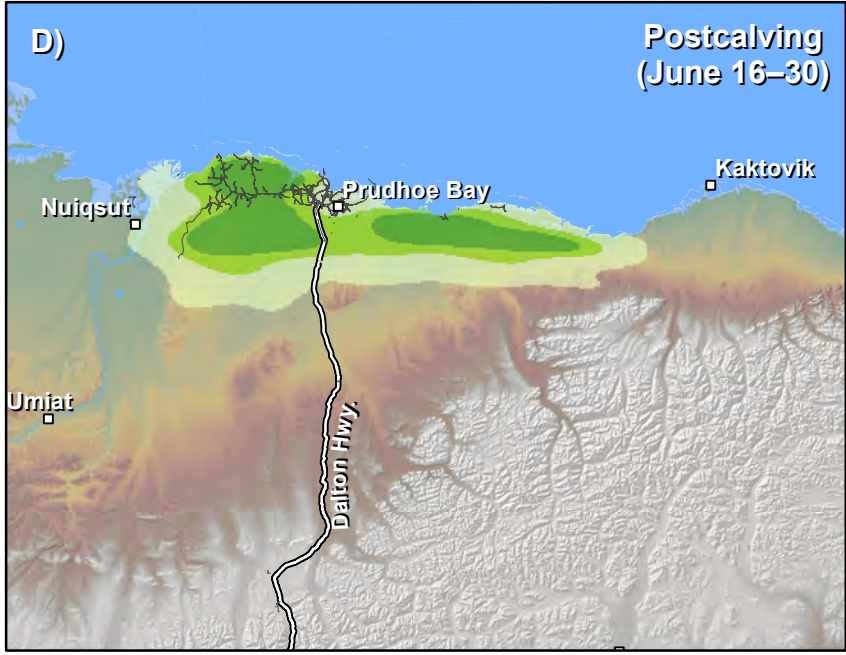
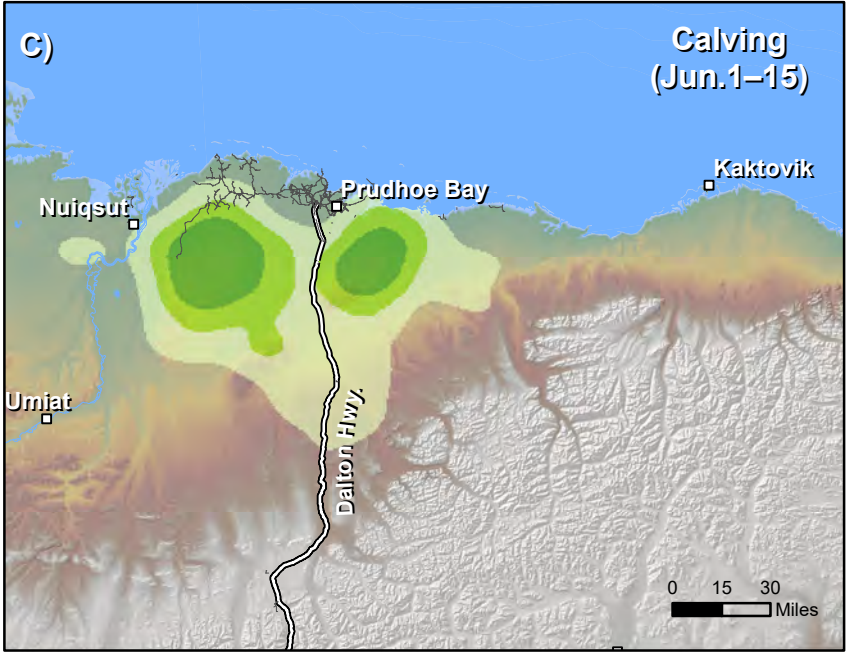
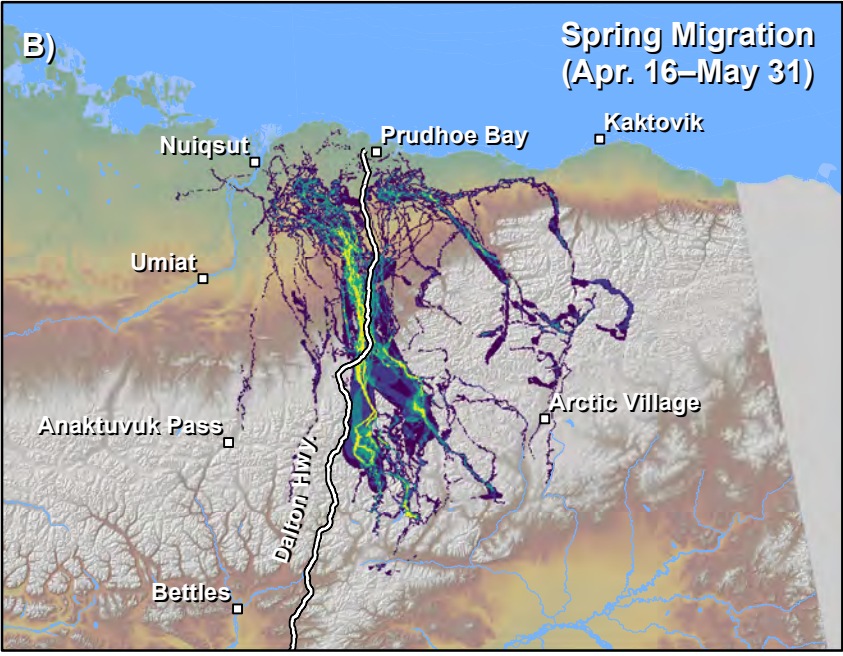
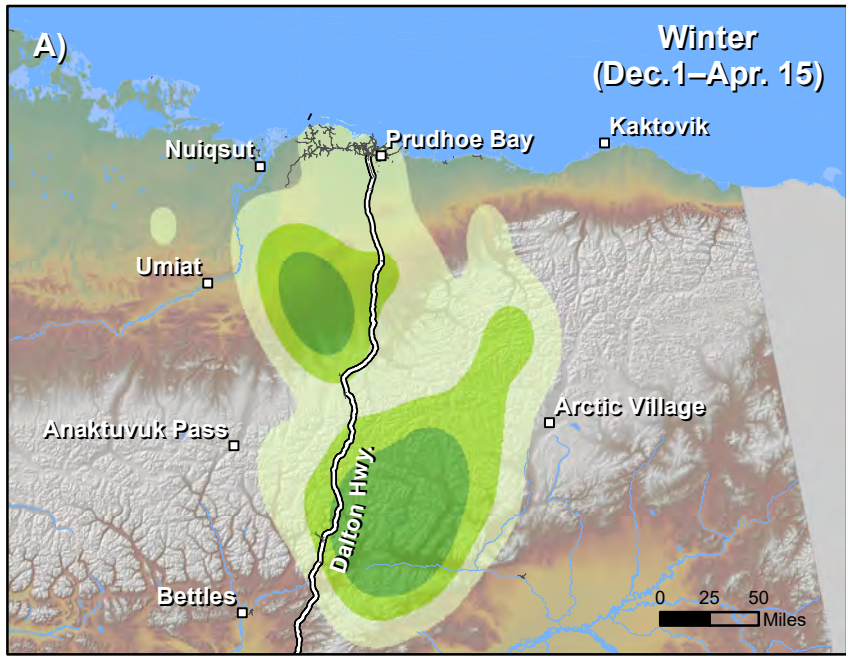


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Data Source: BLM GIS 2017

Map 3.11





**Central Arctic Caribou Herd, Seasonal Range Use, 2012–2017, Female Caribou**

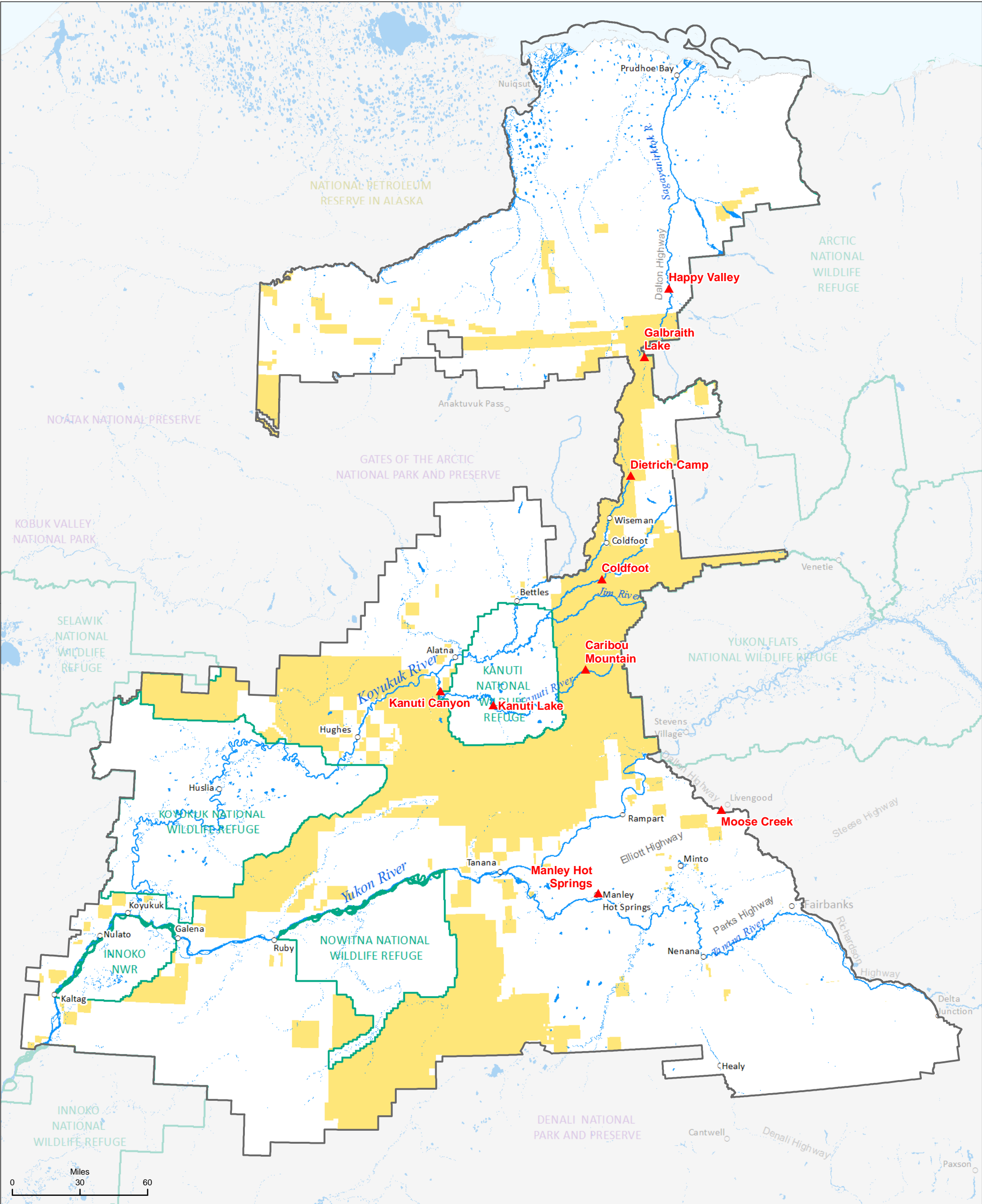
Areas of Concentrated Use		Percent Use During Migration	
<span style="display:inline-block; width:10px; height:10px; background-color:darkgreen;"></span>	High Density	<span style="display:inline-block; width:10px; height:10px; background-color:purple;"></span>	0–1
<span style="display:inline-block; width:10px; height:10px; background-color:lightgreen;"></span>	Medium Density	<span style="display:inline-block; width:10px; height:10px; background-color:darkblue;"></span>	1–2
<span style="display:inline-block; width:10px; height:10px; background-color:yellow;"></span>	Low Density	<span style="display:inline-block; width:10px; height:10px; background-color:teal;"></span>	2–3
		<span style="display:inline-block; width:10px; height:10px; background-color:lightblue;"></span>	3–4
		<span style="display:inline-block; width:10px; height:10px; background-color:limegreen;"></span>	4–5
		<span style="display:inline-block; width:10px; height:10px; background-color:yellow;"></span>	>5

Data source: Utilization distribution contours from fixed-kernel analysis of locations of radio-collared female caribou (collar data from ADF&G, USGS, ConocoPhillips Alaska, and ExxonMobil Alaska).

Contours enclose stated percentages of all collar locations. High-, medium-, and low-density areas are the 50%, 75%, and 95% utilization distribution contours, respectively. Bandwidth calculated using the plugin method. Seasonal kernels are averages of daily utilization distributions calculated every other day during the season. Migration percentages were calculated from the 95% utilization distribution of dynamic Brownian Bridge movement models for each individual.







- ▲ Breeding bird survey observation
- BLM-managed lands

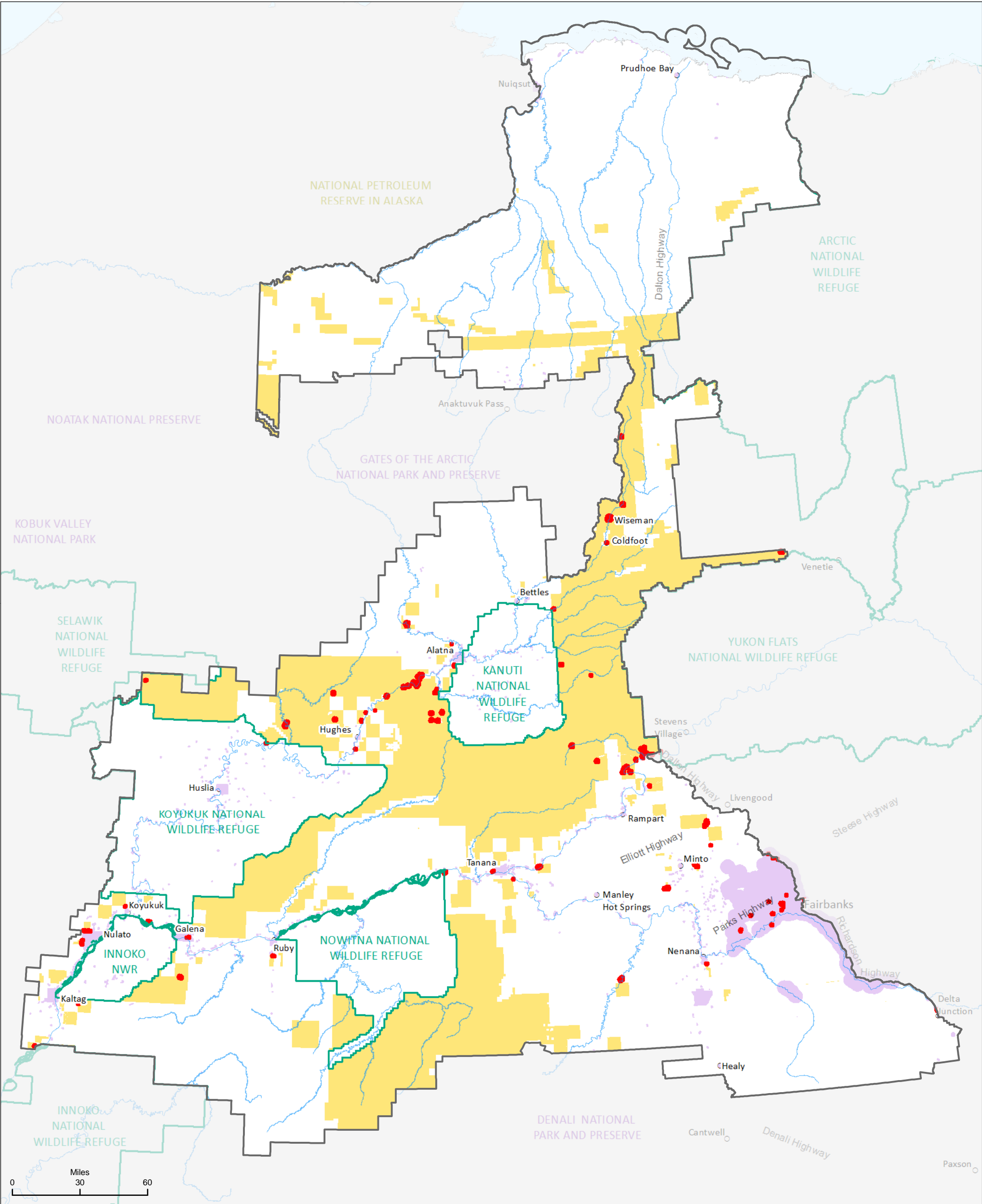


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Data Source: BLM GIS 2017, USGS GIS 2018

Map 3.13





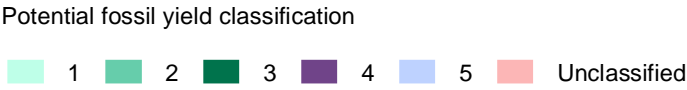
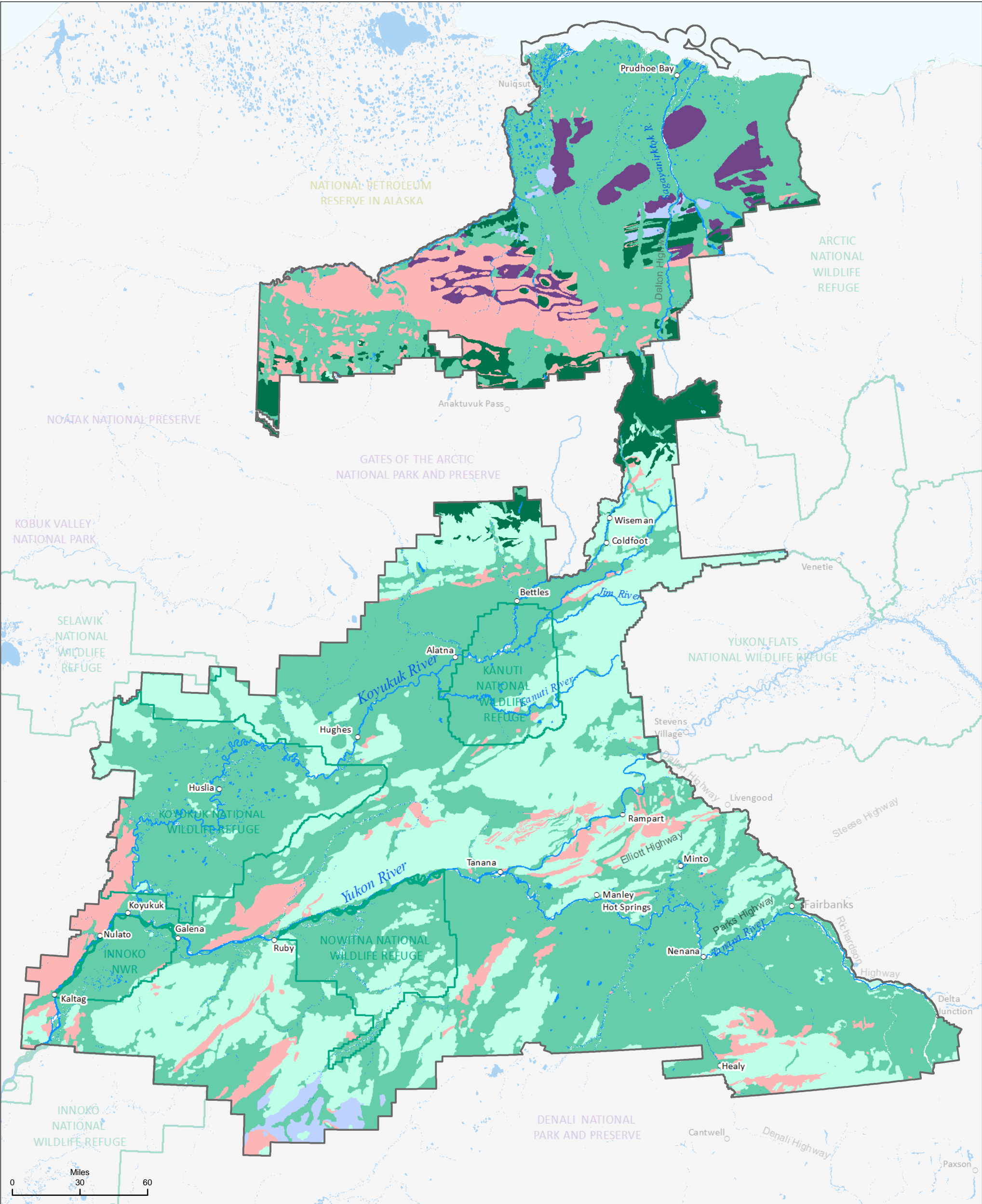
- BLM-managed forested wildland urban interface
- WUI
- BLM-managed lands



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Data Source: BLM GIS 2017

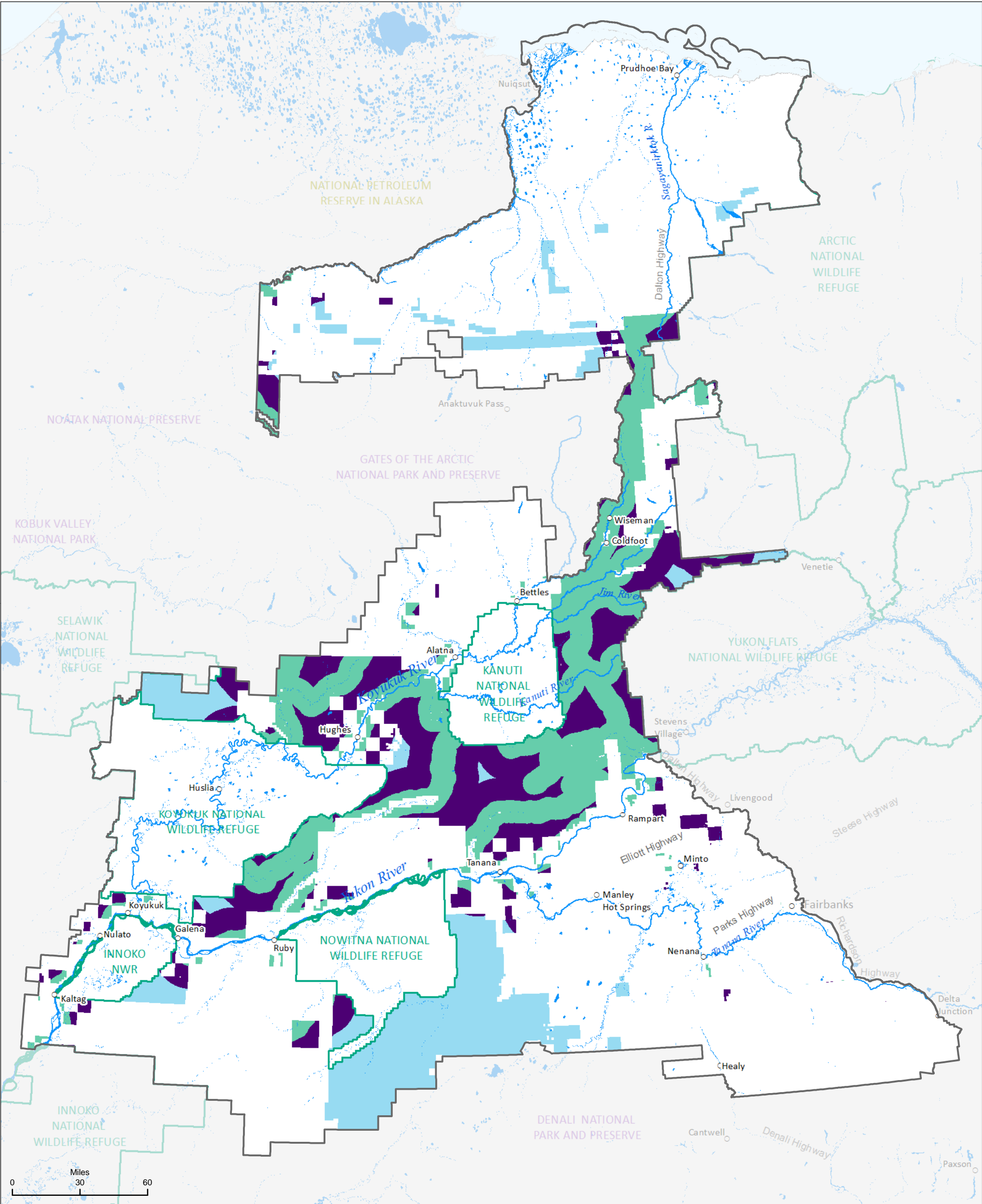
Map 3.14



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Data Source: BLM GIS 2017



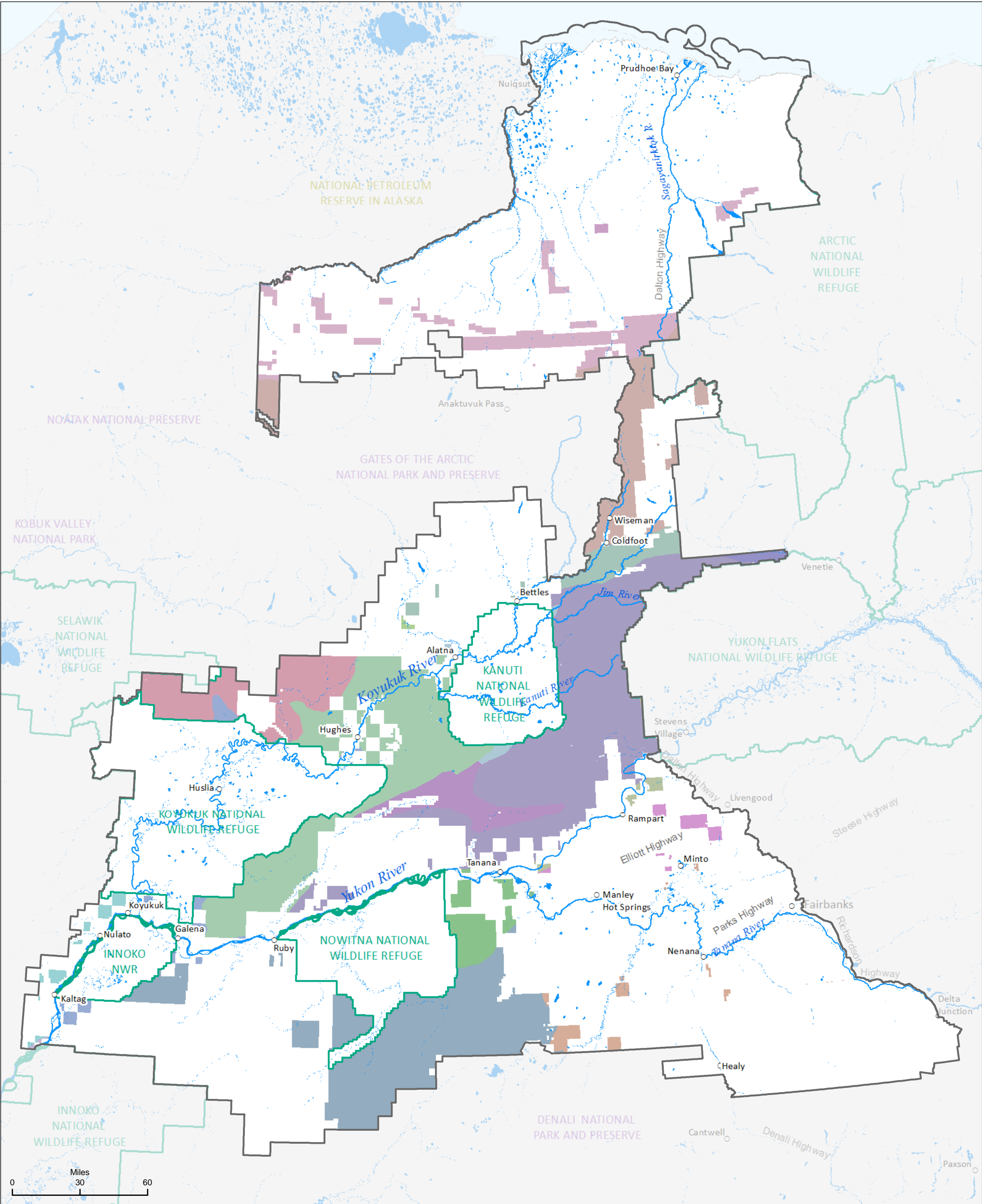


- Background visibility, generally from 5 to 15 miles
- Foreground-middleground, visibility generally up to 5 miles
- Seldom seen, hidden from view, or not in foreground/middleground or background visibility zones



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Data Source: BLM GIS 2017



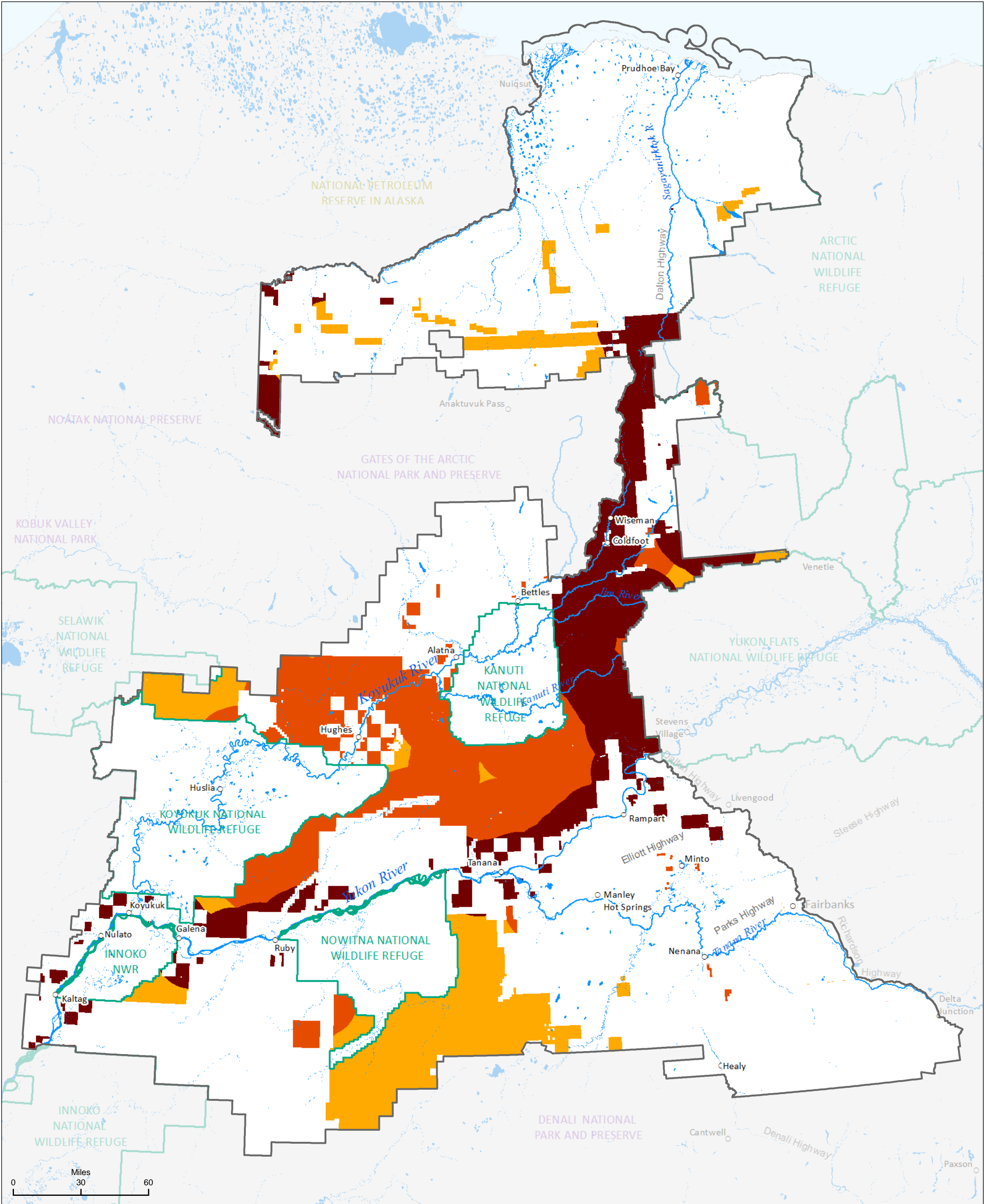
- |  |                           |                    |                           |
|--|---------------------------|--------------------|---------------------------|
| Alaska Range (Central and Eastern Part)    | Innoko Lowlands           | Northern Foothills | Tanana-Kuskokwim Lowland  |
| Ambler-Chandalar Ridge and Lowland Section | Kanuti Flats              | Nowitna Lowland    | Tozitna-Melozitna Lowland |
| Arctic Coastal Plain                       | Kobuk Selawik Lowland     | Nulato Hills       | Yukon Flats Section       |
| Arctic Foothills                           | Kokrine-Hodzana Highlands | Pah River Section  | Yukon-Tanana Upland       |
| Central and Eastern Brooks Range           | Koyukuk Flats             | Porcupine Plateau  |                           |
| Indian River Upland                        | Kuskokwim Mountains       | Rampart Trough     |                           |



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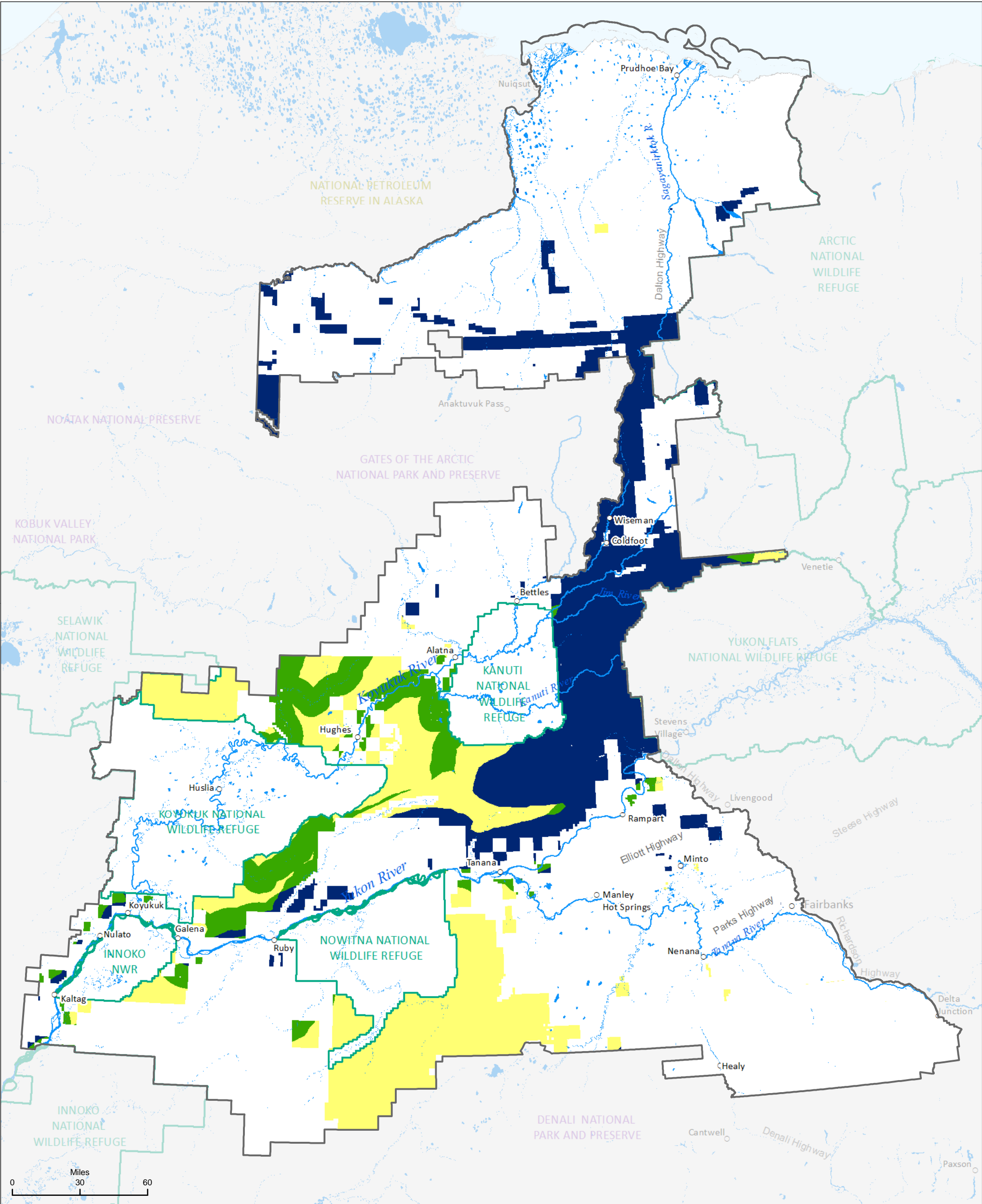
Data Source: BLM GIS 2017





- Maintenance of visual quality has high value
- Maintenance of visual quality has moderate value
- Maintenance of visual quality has low value





- VRI Class II
- VRI Class III
- VRI Class IV

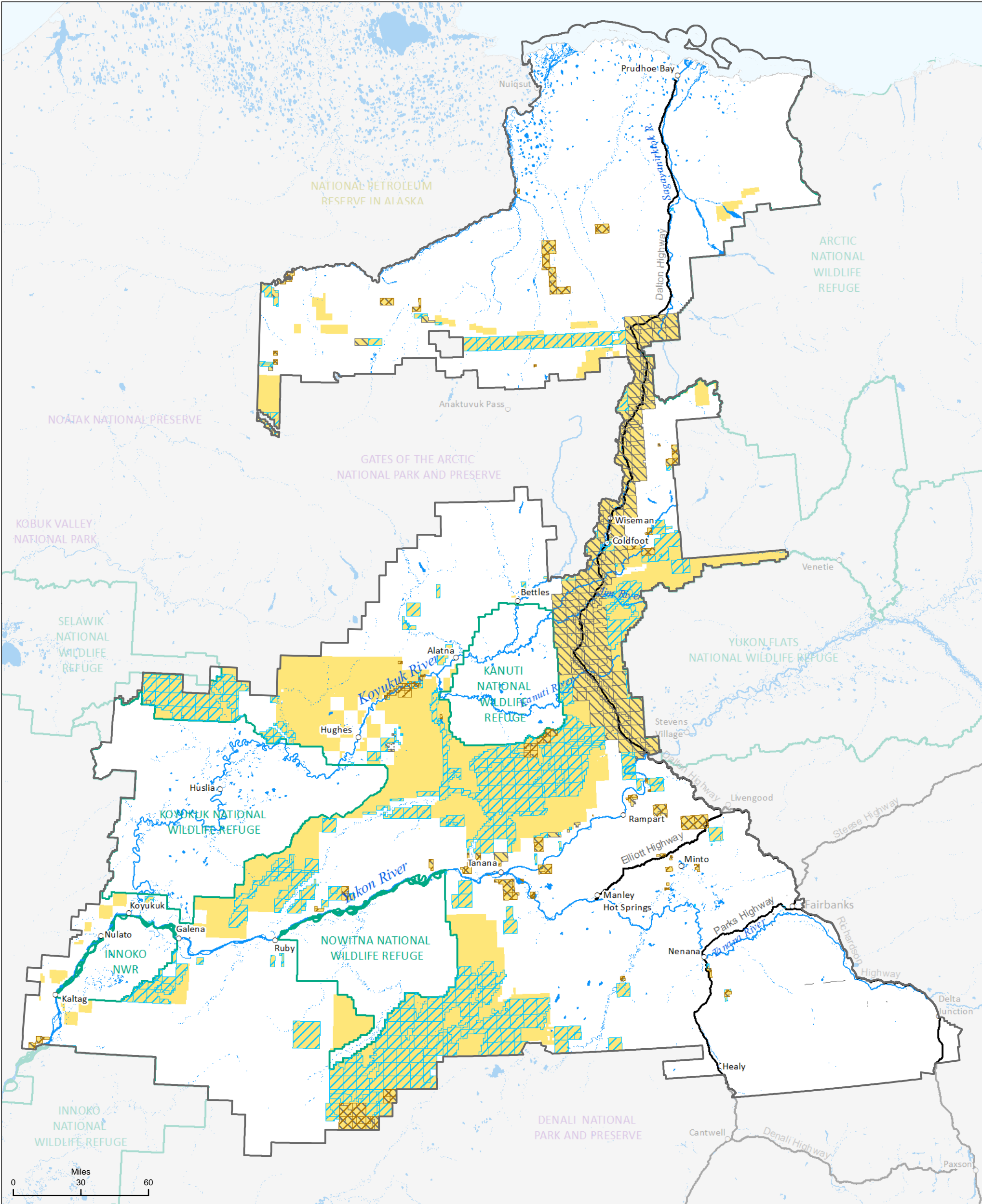


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Data Source: BLM GIS 2017

Map 3.19





- Native-selection
- BLM-managed lands
- State-selection
- State of Alaska top-filed lands



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Data Source: BLM GIS 2017

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