

# Alaska Department of Environmental Conservation



Amendments to:  
State Air Quality Control Plan

Volume III: Appendix III.K.4.b

Maps of Wildfires affecting Alaska's Class 1 Areas

Appendix to  
Section III. K: Areawide Pollutant Control Program for  
Regional Haze

**Adopted**

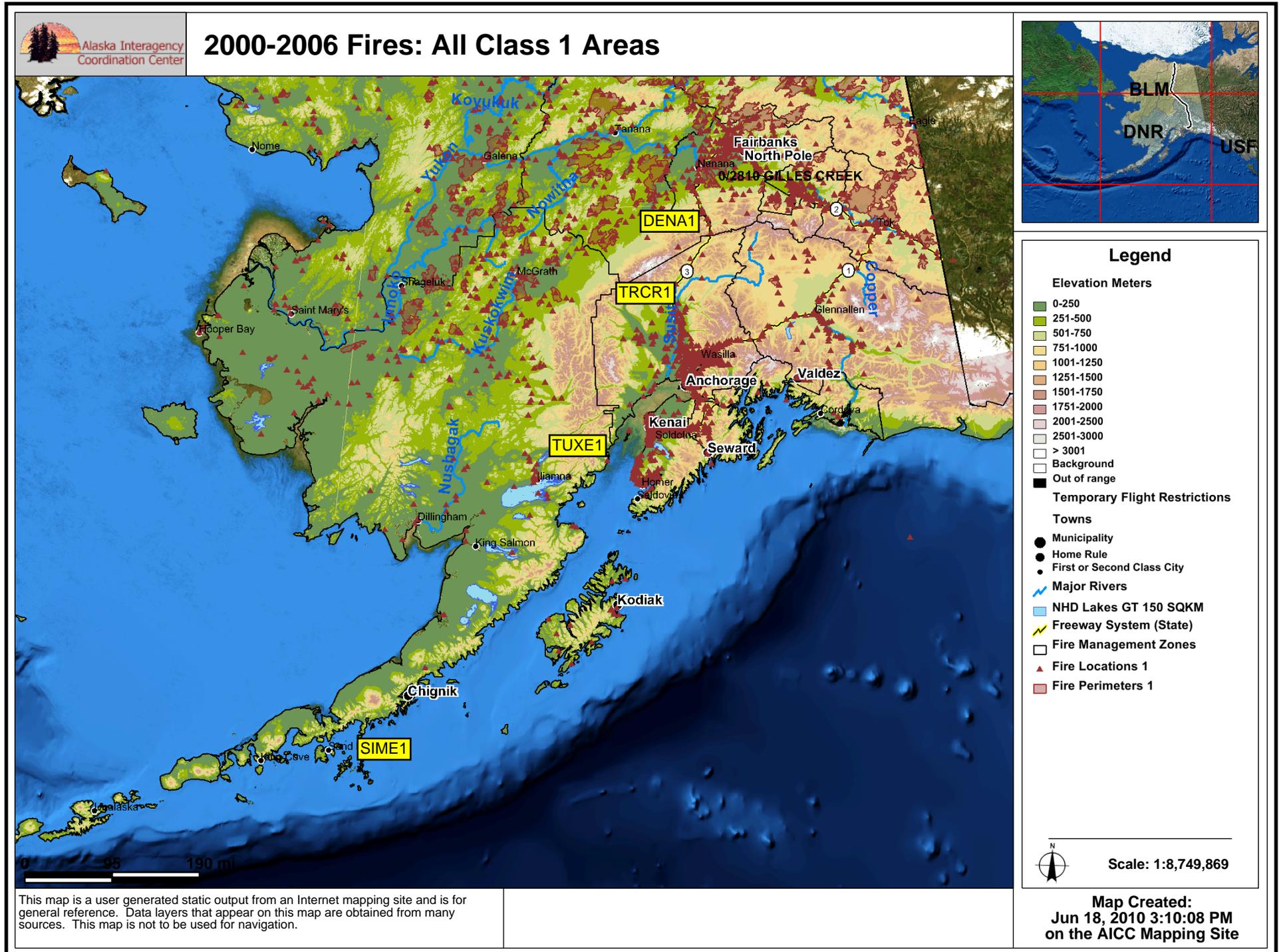
**February 11, 2011**

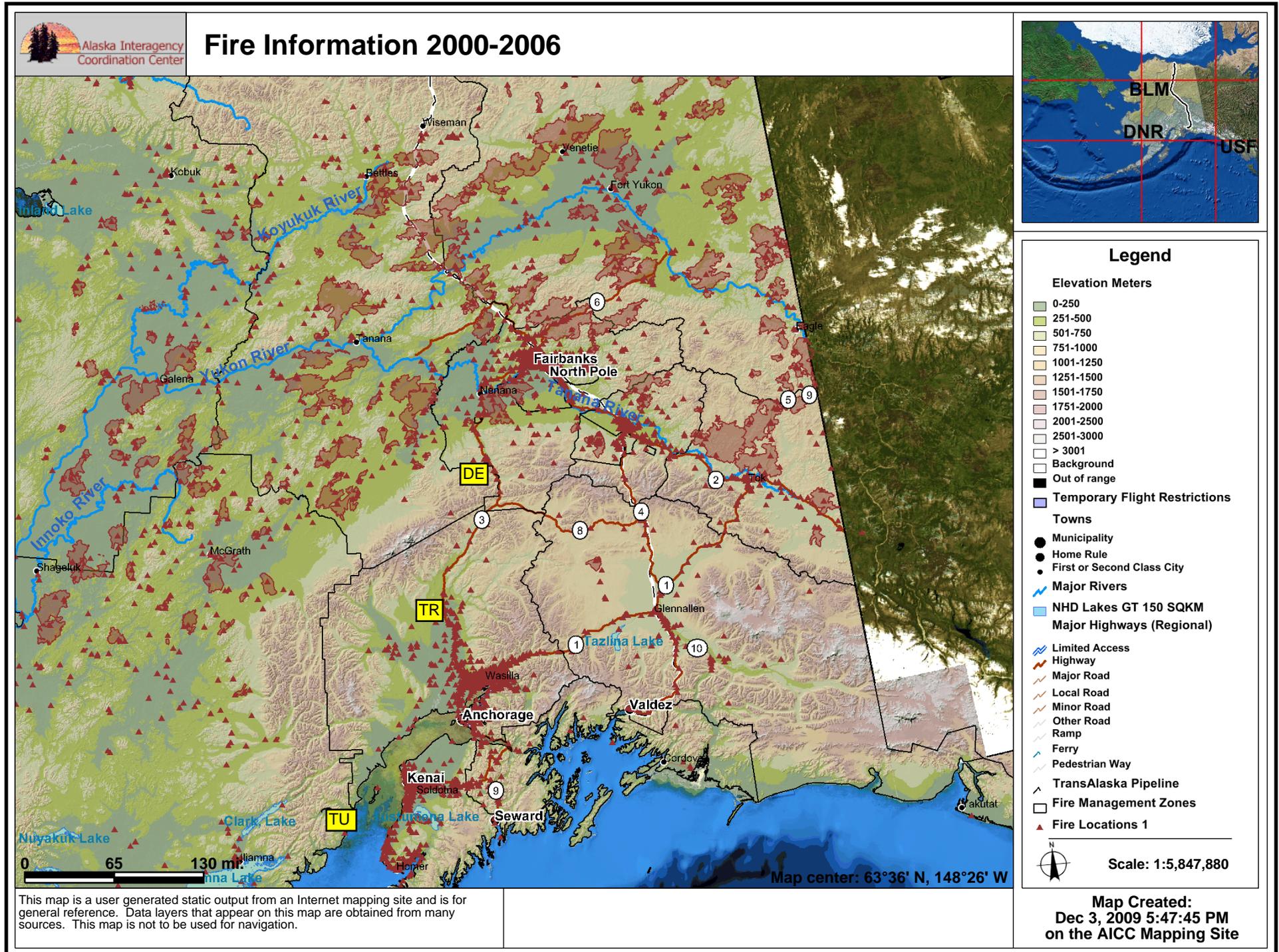
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## Maps of Wildfires affecting Alaska's Class 1 Areas

Historical fire information and mapping in the following figures is provided by the Alaska Interagency Coordination Center (AICC) (<http://fire.ak.blm.gov/aicc.php>). AICC cooperators include the Bureau of Land Management, State of Alaska Department of Natural Resources, USDA Forest Service, National Park Service, Bureau of Indian Affairs, and the Fish and Wildlife Service.

- A) Wildfire Impacts on Alaska Class 1 Areas, 2000-2006. Wildland fires are frequent and widespread in Alaska's Interior. Depending on prevailing weather systems, visibility at any of the Class 1 Areas may be affected by fire. IMPROVE monitoring sites are labeled in yellow.
- B) A Closer Look at Wildfire Impacts on Denali and Tuxedni Class 1 Areas, 2000-2006. Denali C1A is affected by fires from every direction, but the two Denali IMPROVE sites (DE and TR) are separated by the Alaska Range, and have different fire exposures. Tuxedni (TU) is affected by fewer, more distant fires than Denali.
- C) Mapped Fires for Individual years, 2000-2006, centered on Denali Class 1 Area. Each year is different with respect to fire locations and sizes.
- D) Wildfire Impacts at Denali Class 1 Area over the Longer Term: 1990-2009. Denali visibility is strongly affected by wildfire, with Organic Matter Carbon and Elemental Carbon the dominant aerosols. Aerosols from the mapped fires vary according to fire location, severity, timing, and land cover - the types of vegetation and soil burned. Over decades, land cover of Alaska's Interior changes, affecting future fire regimes and future biogenic emissions of forests, wetlands, and tundra. Land cover change will itself alter visibility of Denali Class 1 Area.

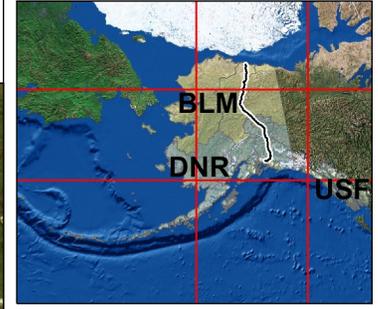
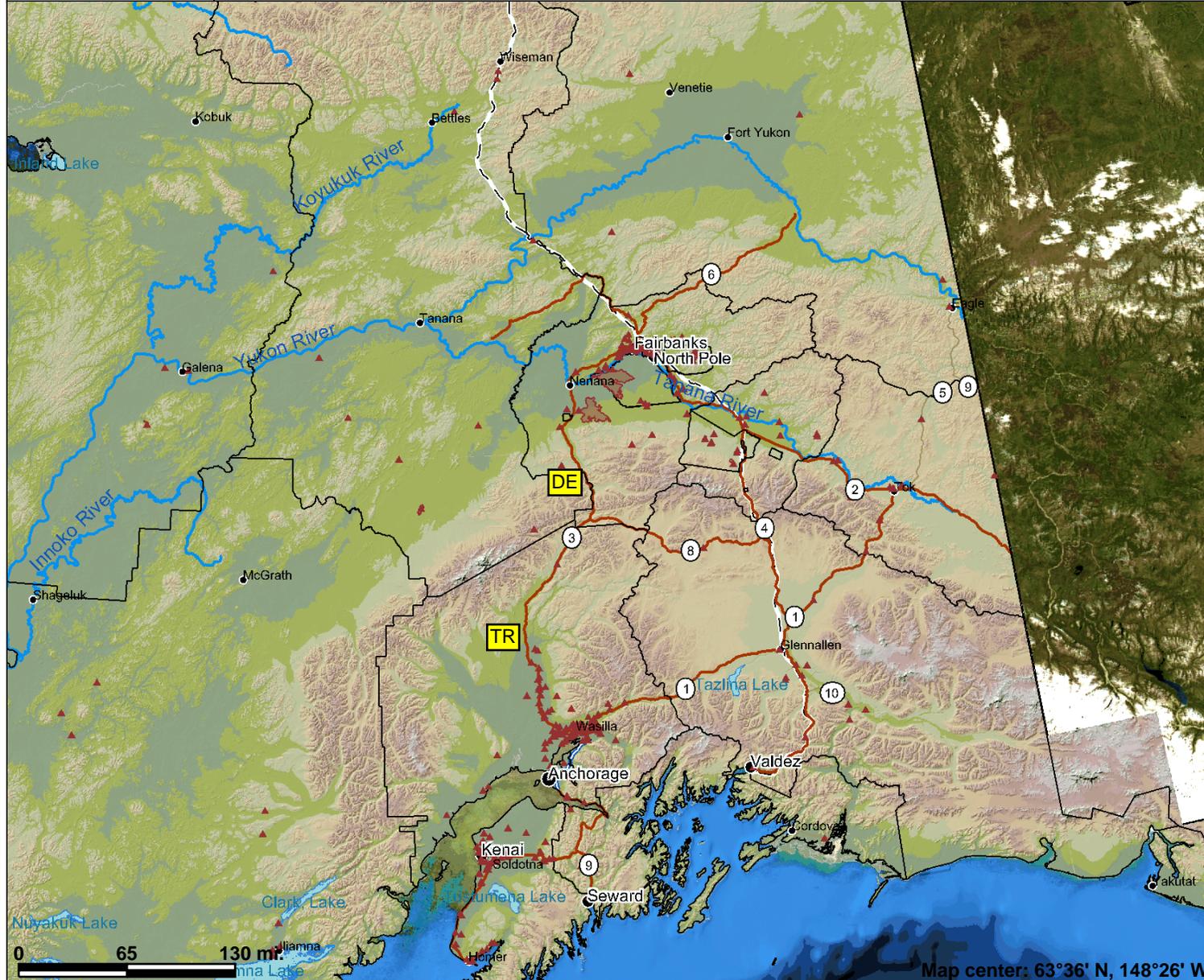








# Fire Information 2001



### Legend

**Elevation Meters**

- 0-250
- 251-500
- 501-750
- 751-1000
- 1001-1250
- 1251-1500
- 1501-1750
- 1751-2000
- 2001-2500
- 2501-3000
- > 3001
- Background
- Out of range

**Temporary Flight Restrictions**

- Temporary Flight Restrictions

**Towns**

- Municipality
- Home Rule
- First or Second Class City

**Major Rivers**

- Major Rivers

**NHD Lakes GT 150 SQKM**

- NHD Lakes GT 150 SQKM

**Major Highways (Regional)**

- Limited Access Highway
- Highway
- Major Road
- Major Road
- Local Road
- Minor Road
- Other Road
- Ramp
- Ferry
- Pedestrian Way
- TransAlaska Pipeline

**Fire Management Zones**

- Fire Management Zones

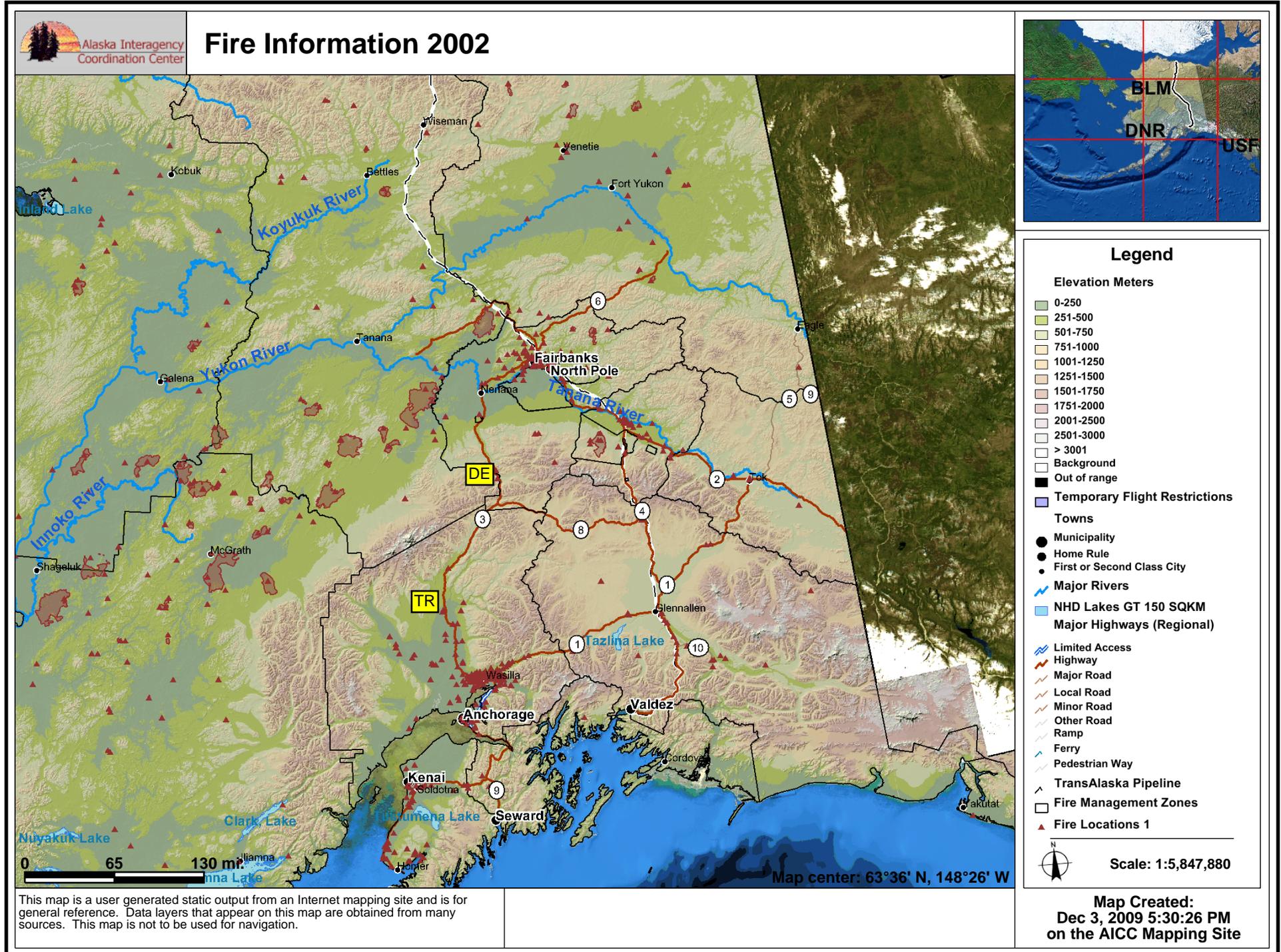
**Fire Locations 1**

- Fire Locations 1

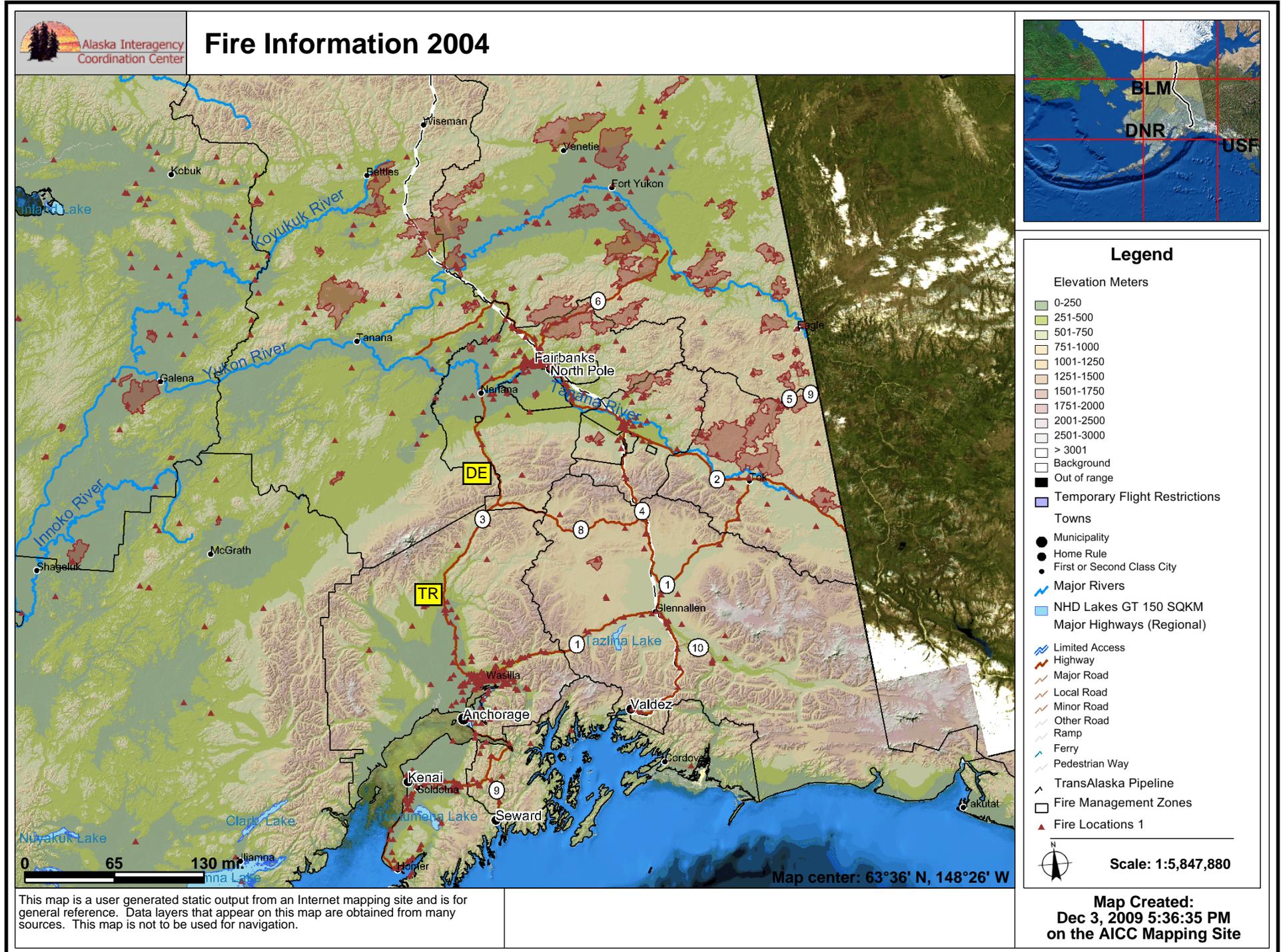
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on the AICC Mapping Site

This map is a user generated static output from an Internet mapping site and is for general reference. Data layers that appear on this map are obtained from many sources. This map is not to be used for navigation.







0 65 130 mi.

Map center: 63°36' N, 148°26' W

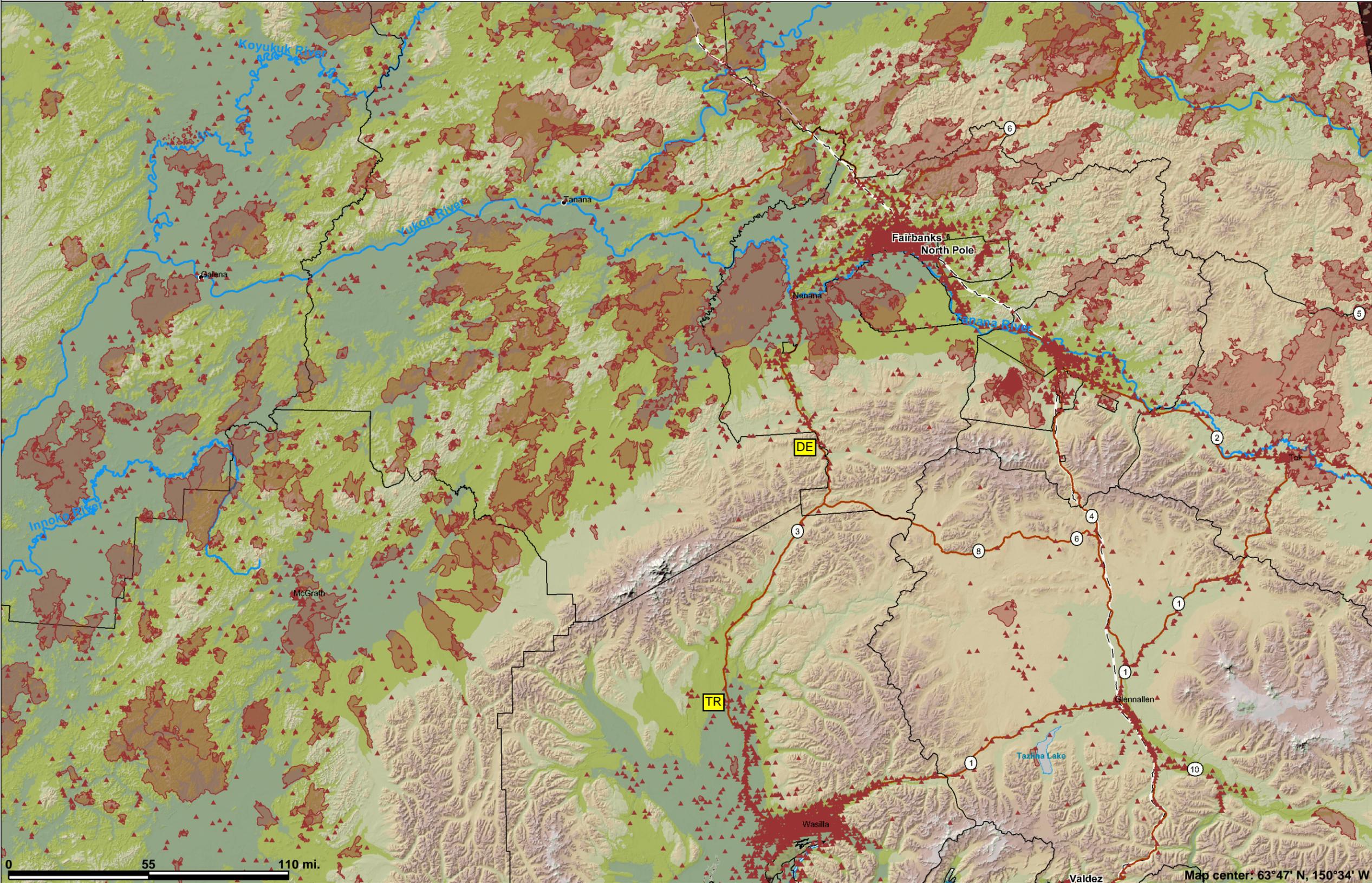
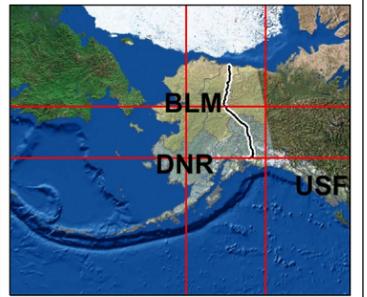
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# Fire Information 1990-2009



### Legend

**Elevation Meters**

- 0-250
- 251-500
- 501-750
- 751-1000
- 1001-1250
- 1251-1500
- 1501-1750
- 1751-2000
- 2001-2500
- 2501-3000
- > 3001
- Background
- Out of range

**Temporary Flight Restrictions**

- Temporary Flight Restrictions

**Towns**

- Municipality
- Home Rule
- First or Second Class City

**Major Rivers**

- Major Rivers

**NHD Lakes GT 100 SQKM**

- NHD Lakes GT 100 SQKM

**Major Highways (Regional)**

- Major Highways (Regional)

**Limited Access Highway**

- Limited Access Highway

**Major Road**

- Major Road

**Local Road**

- Local Road

**Minor Road**

- Minor Road

**Other Road**

- Other Road

**Ramp**

- Ramp

**Ferry**

- Ferry

**Pedestrian Way**

- Pedestrian Way

**TransAlaska Pipeline**

- TransAlaska Pipeline

**Fire Management Zones**

- Fire Management Zones

**Fire Locations 1**

- Fire Locations 1

**Fire Perimeters 1**

- Fire Perimeters 1

Scale: 1:2,465,924

Map center: 63°47' N, 150°34' W

0 55 110 mi.

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