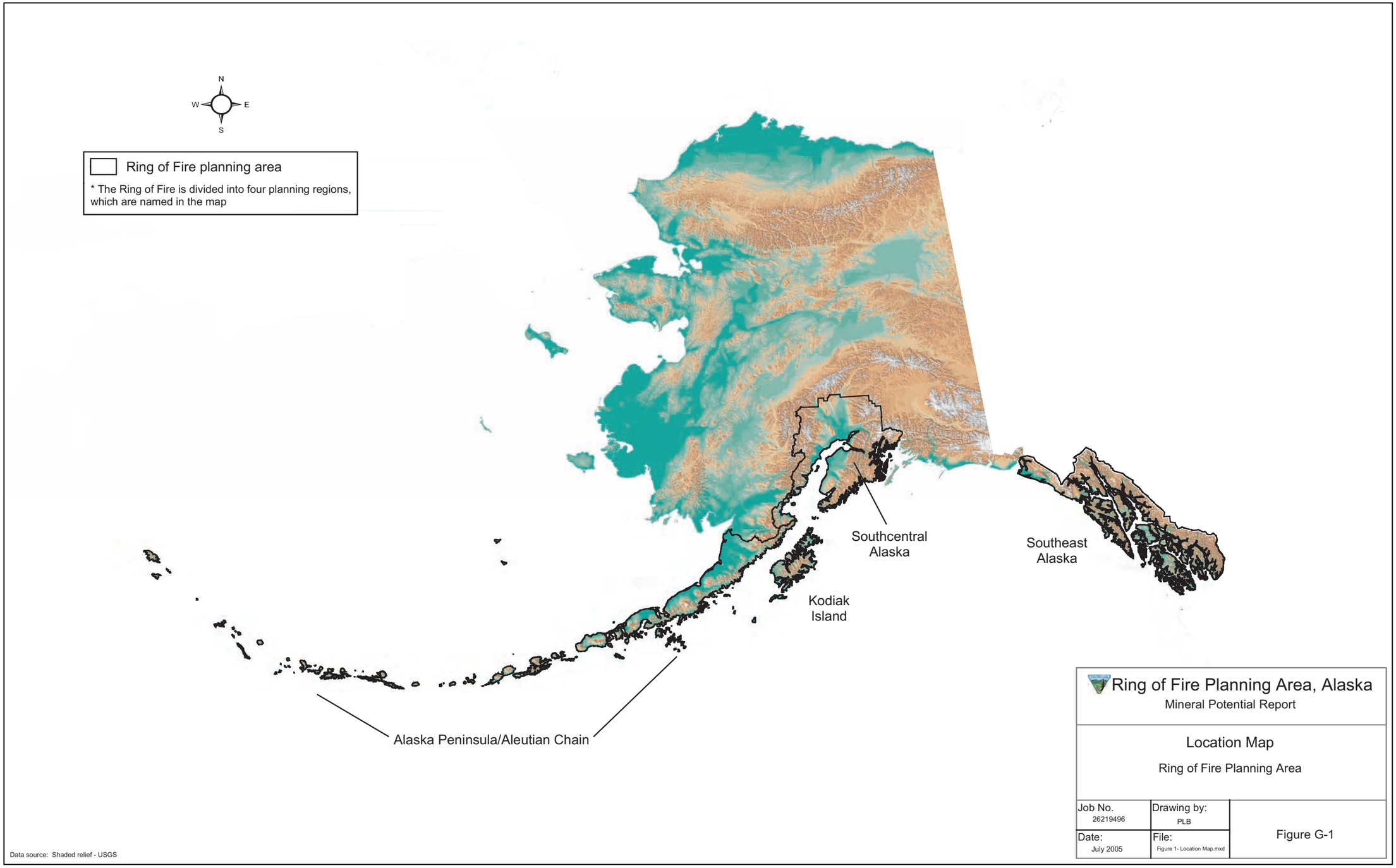
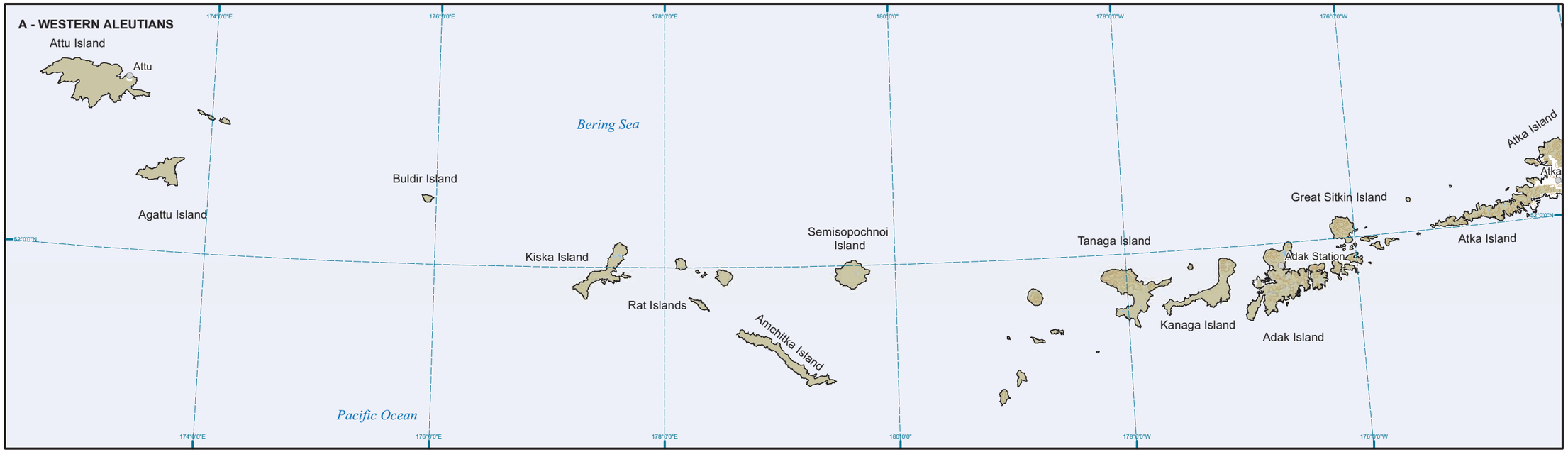
Figures



U.S. Geological Survey

Figure G-1, Location Map, Ring of Fire Planning Area



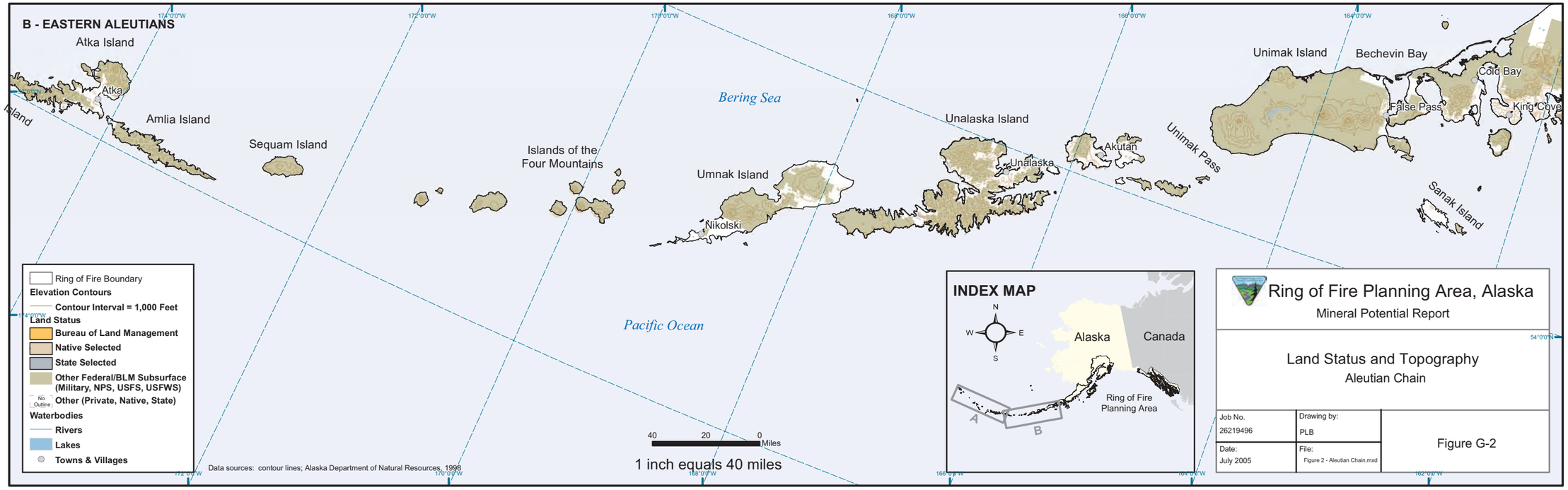


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Figure G-2, Land Status and Topography of the Aleutian Chain

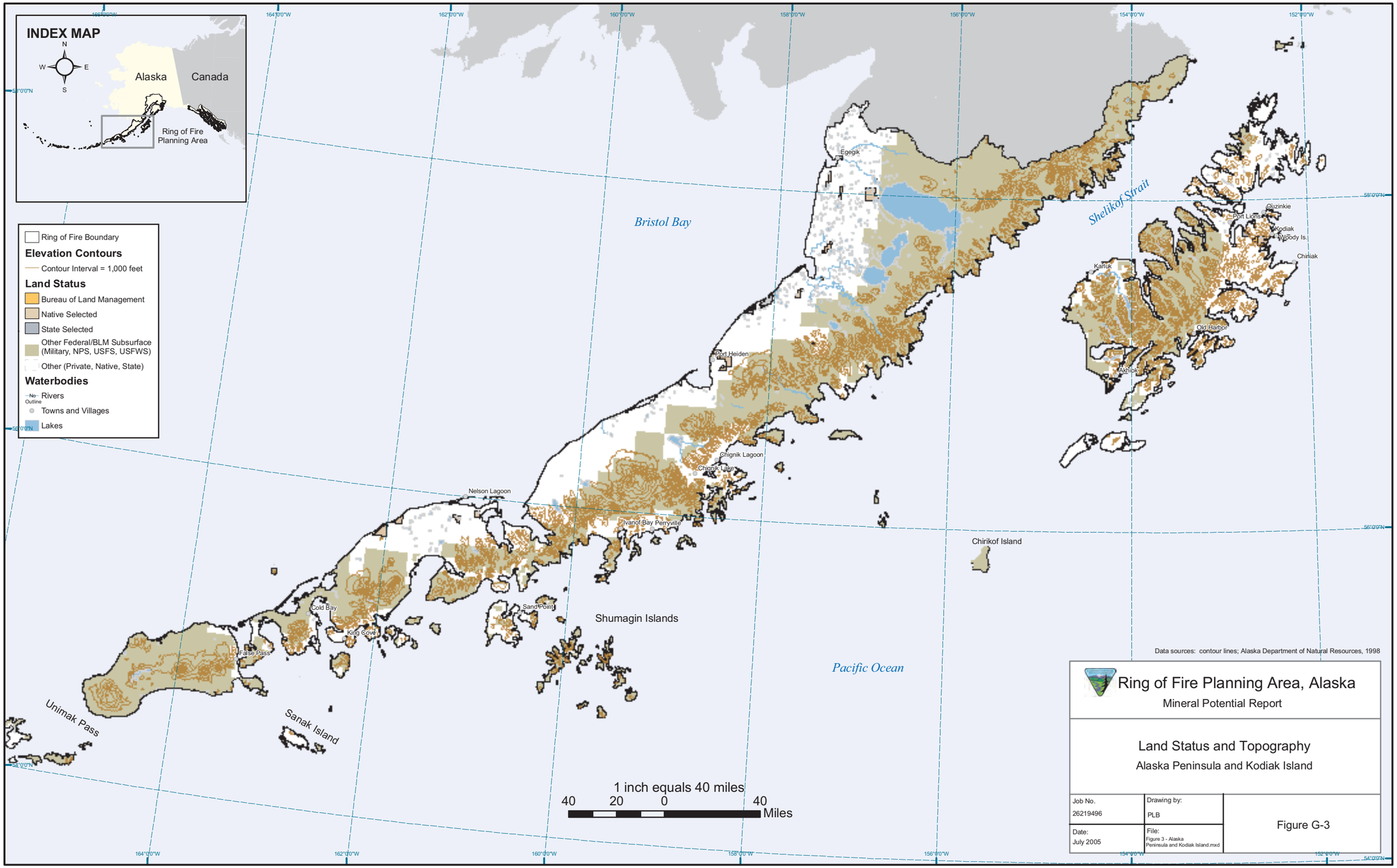

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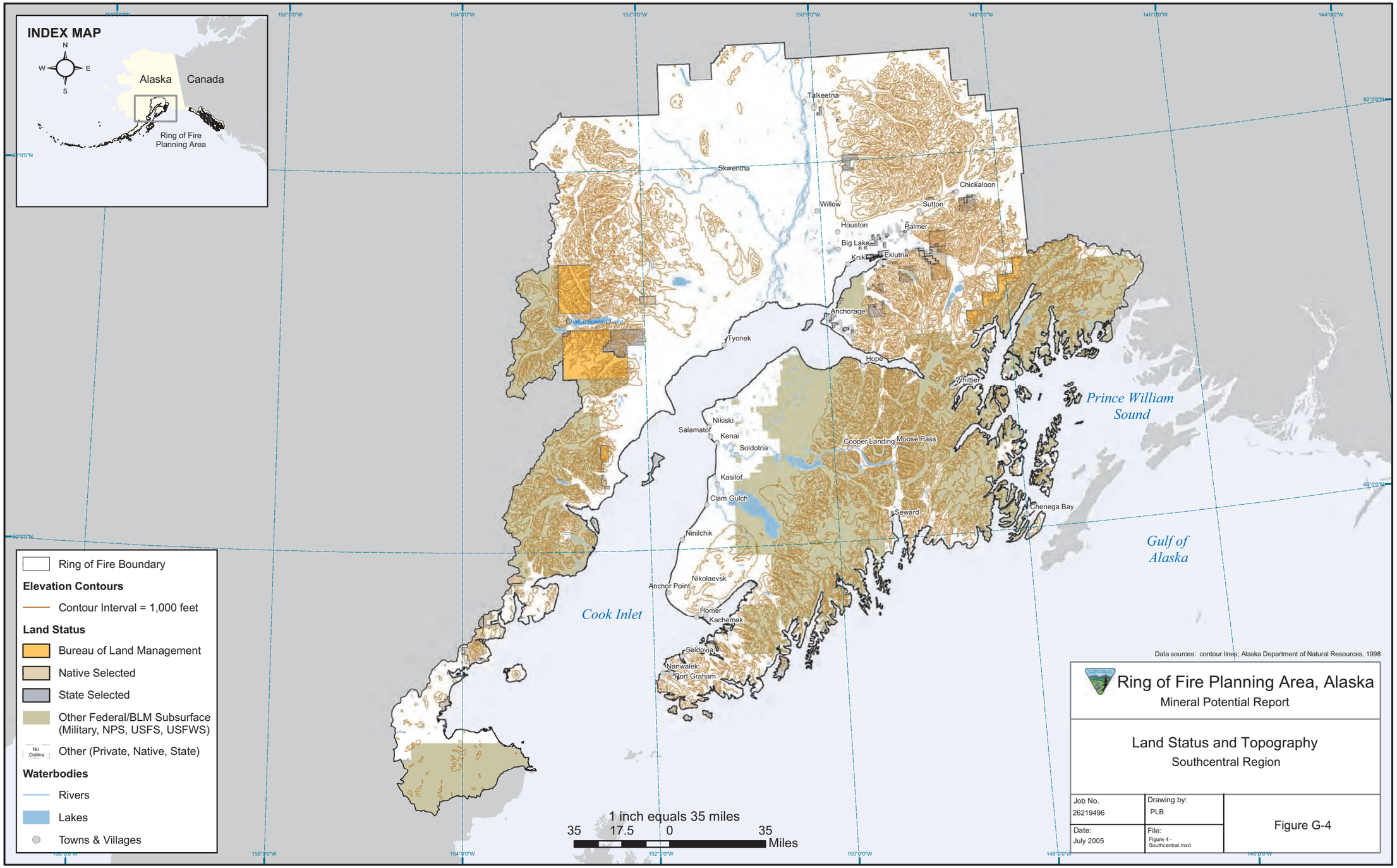
Figure G-3, Land Status and Topography of the Alaska Peninsula and Kodiak Island



State of Alaska Department of Natural Resources

Figure G-4, Land Status and Topography of the Southcentral Region

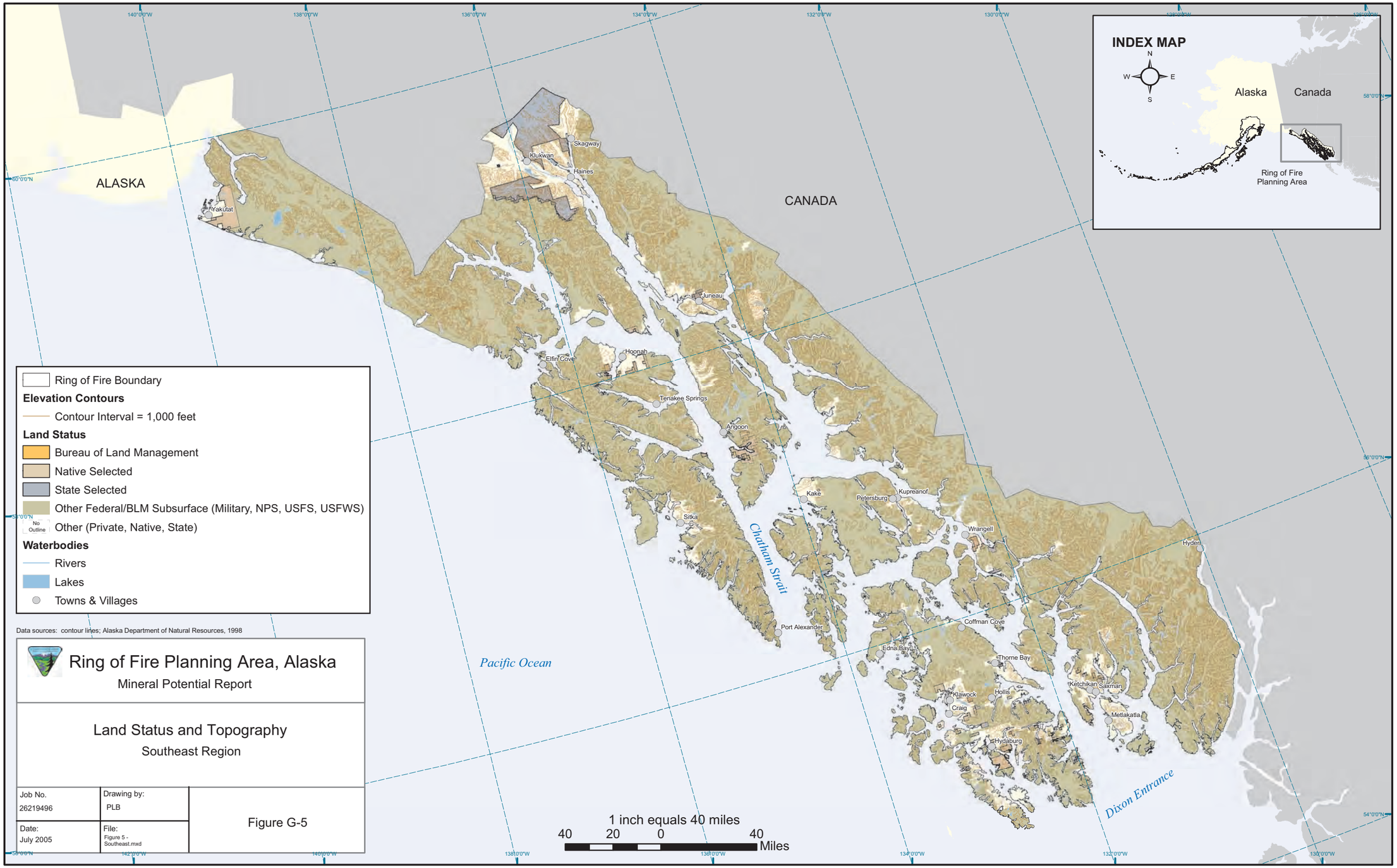


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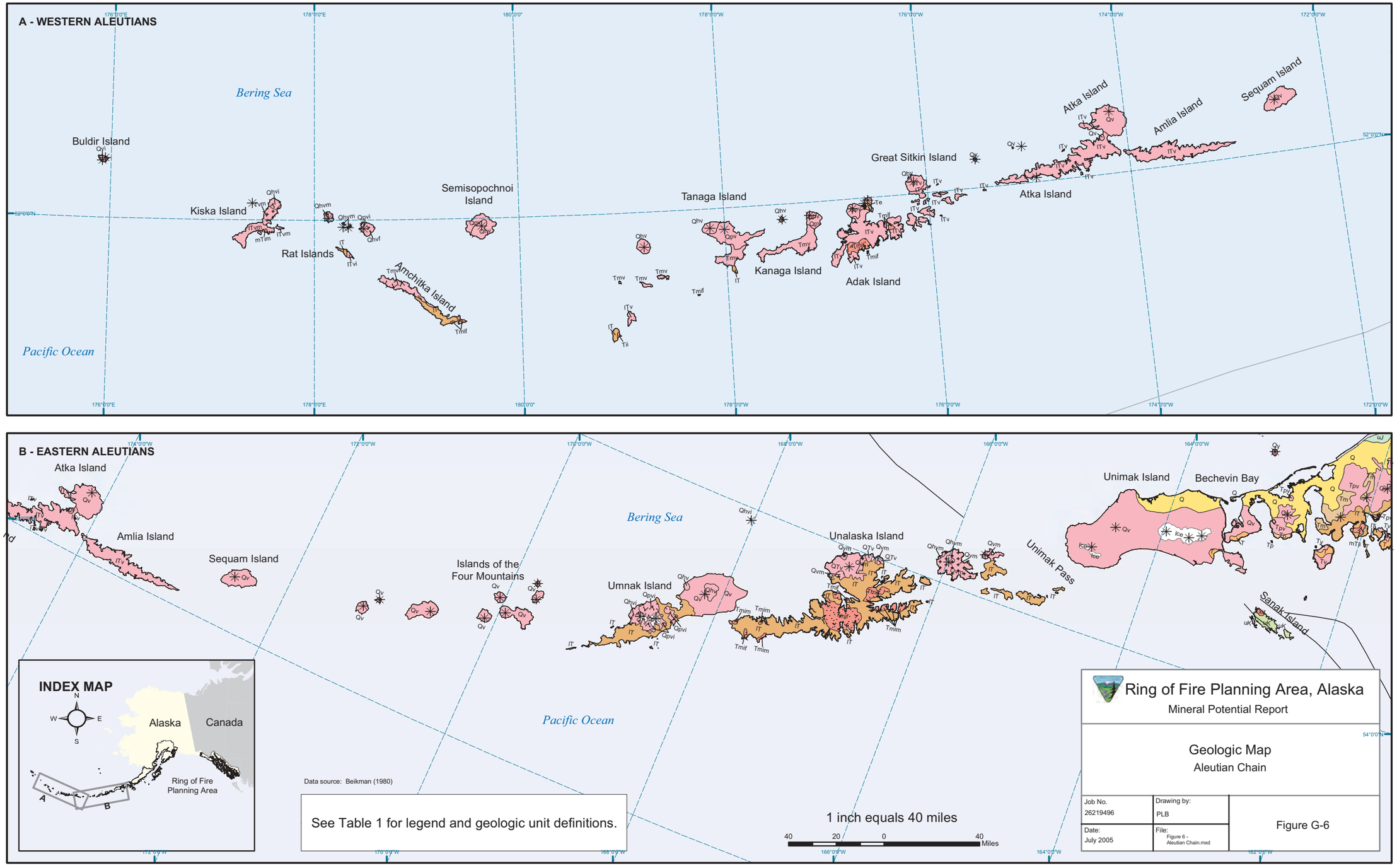
Figure G-5, Land Status and Topography of the Southeast Region



U.S. Geological Survey

Figure G-6, Geologic Map of the Aleutian Chain

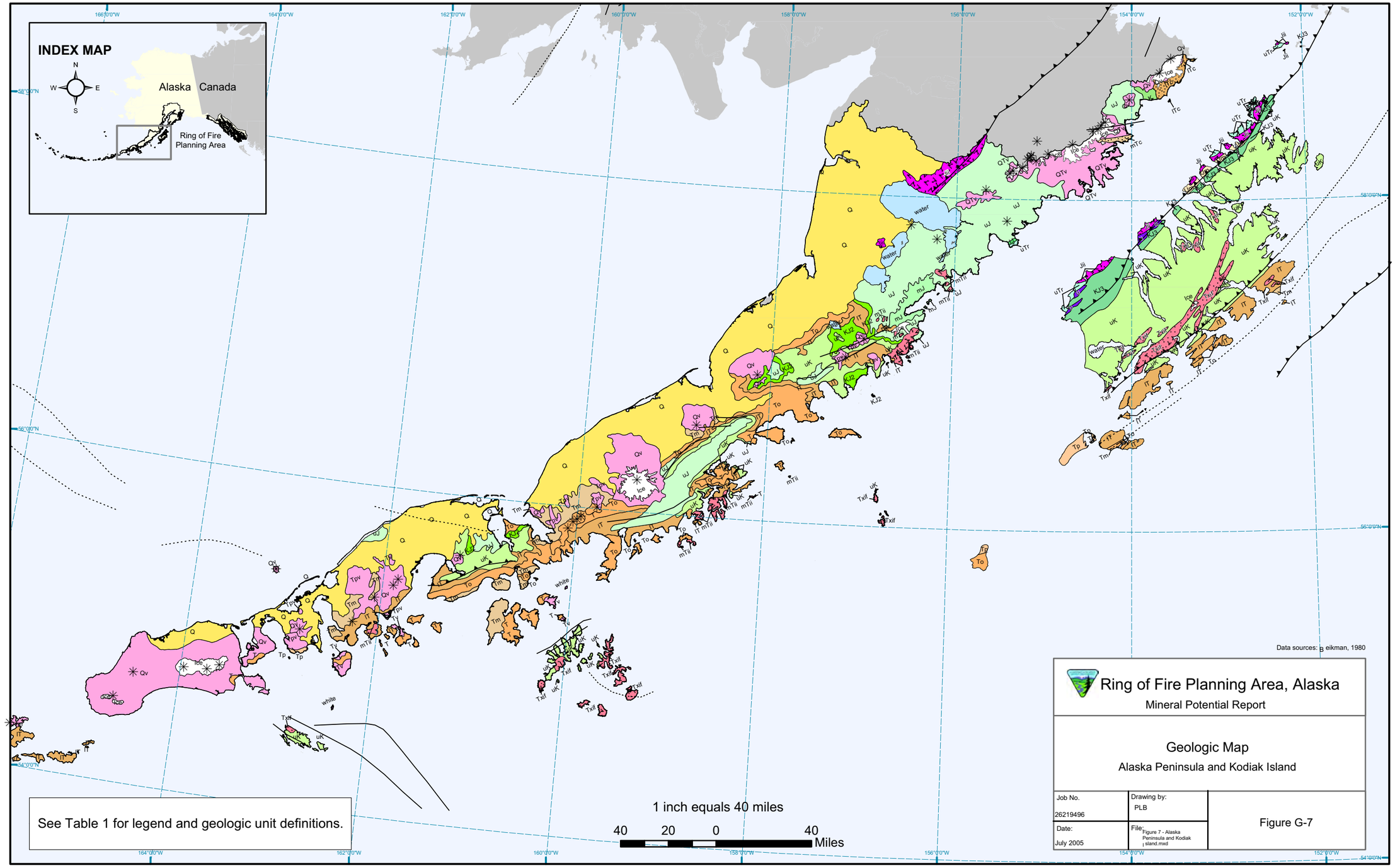


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Figure G-7, Geologic Map of the Alaska Peninsula and Kodiak Island

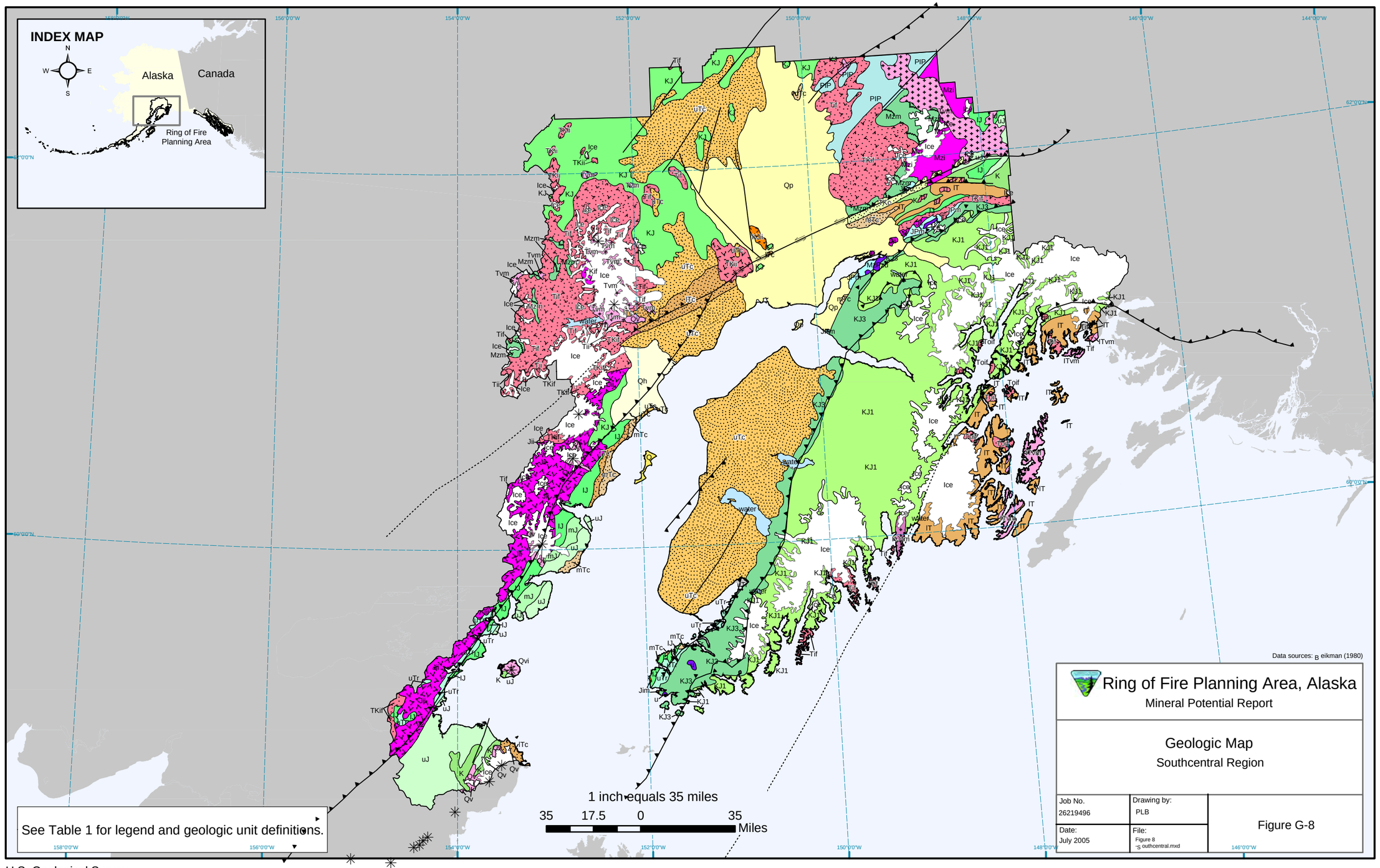

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Figure G-8, Geologic Map of the Southcentral Region

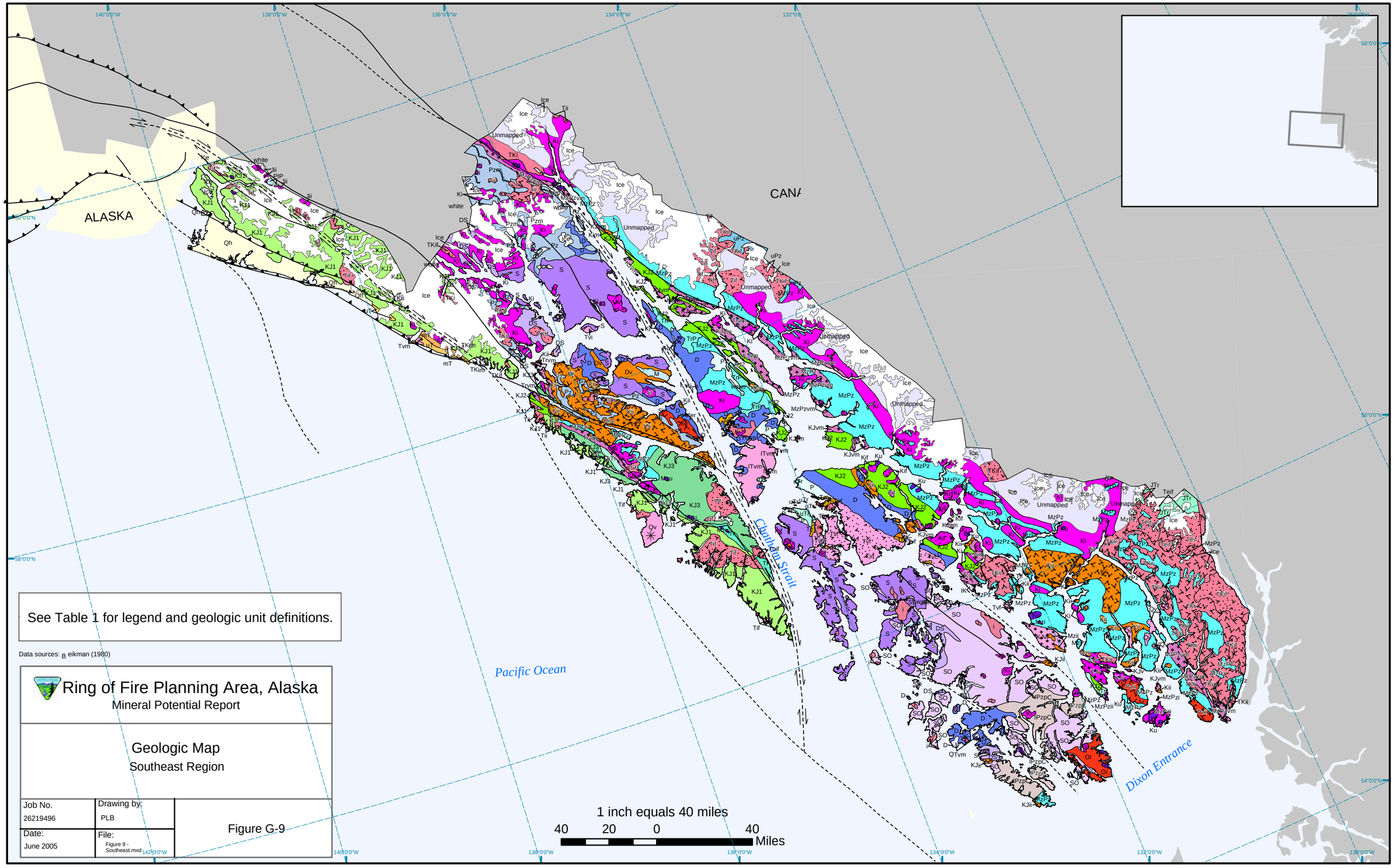

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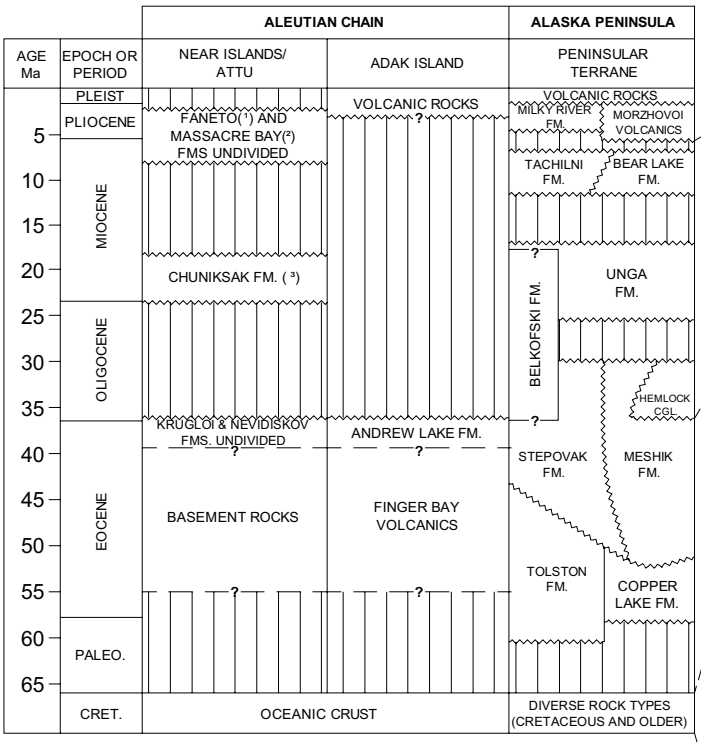
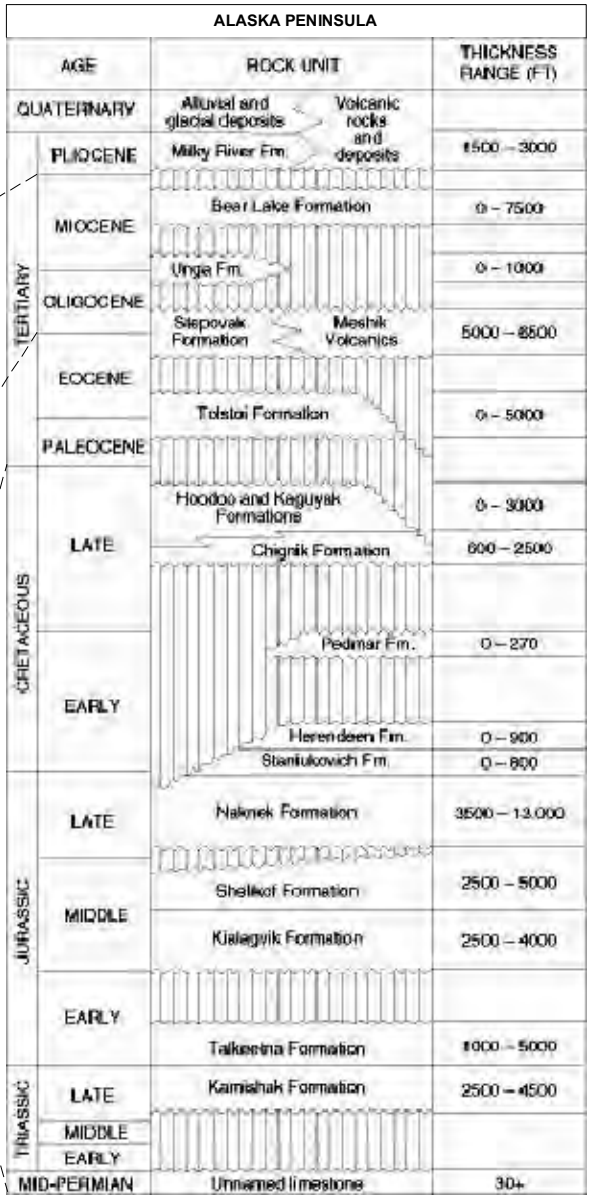
Figure G-9, Geologic Map of the Southeast Region



LEGEND

- HIATUS
- UNCERTAIN CONTACT
- UNCONFORMITY; DASHED IF PRECISE AGE UNKNOWN
- CONFORMABLE CONTACT; DASHED IF PRECISE AGE UNKNOWN

A. CORRELATION CHART OF ALEUTIAN RIDGE AND ALASKA PENINSULA STRATIGRAPHIC UNITS, MODIFIED FROM VALLIER ET AL. (1994)



B. MESOZOIC AND TERTIARY STRATIGRAPHY OF THE ALASKA PENINSULA, FROM MOLENAAR (1996)

Ring of Fire Planning Area, Alaska
Mineral Potential Report

Stratigraphic Columns
Aleutian Chain and Alaskan Peninsula

Job No.	Drawing by:	Figure G-10
26219496	ARN	
Date: June 2004	File: Figs.dwg	

Figure G-10, Stratigraphic Columns, Aleutian Chain and Alaskan Peninsula

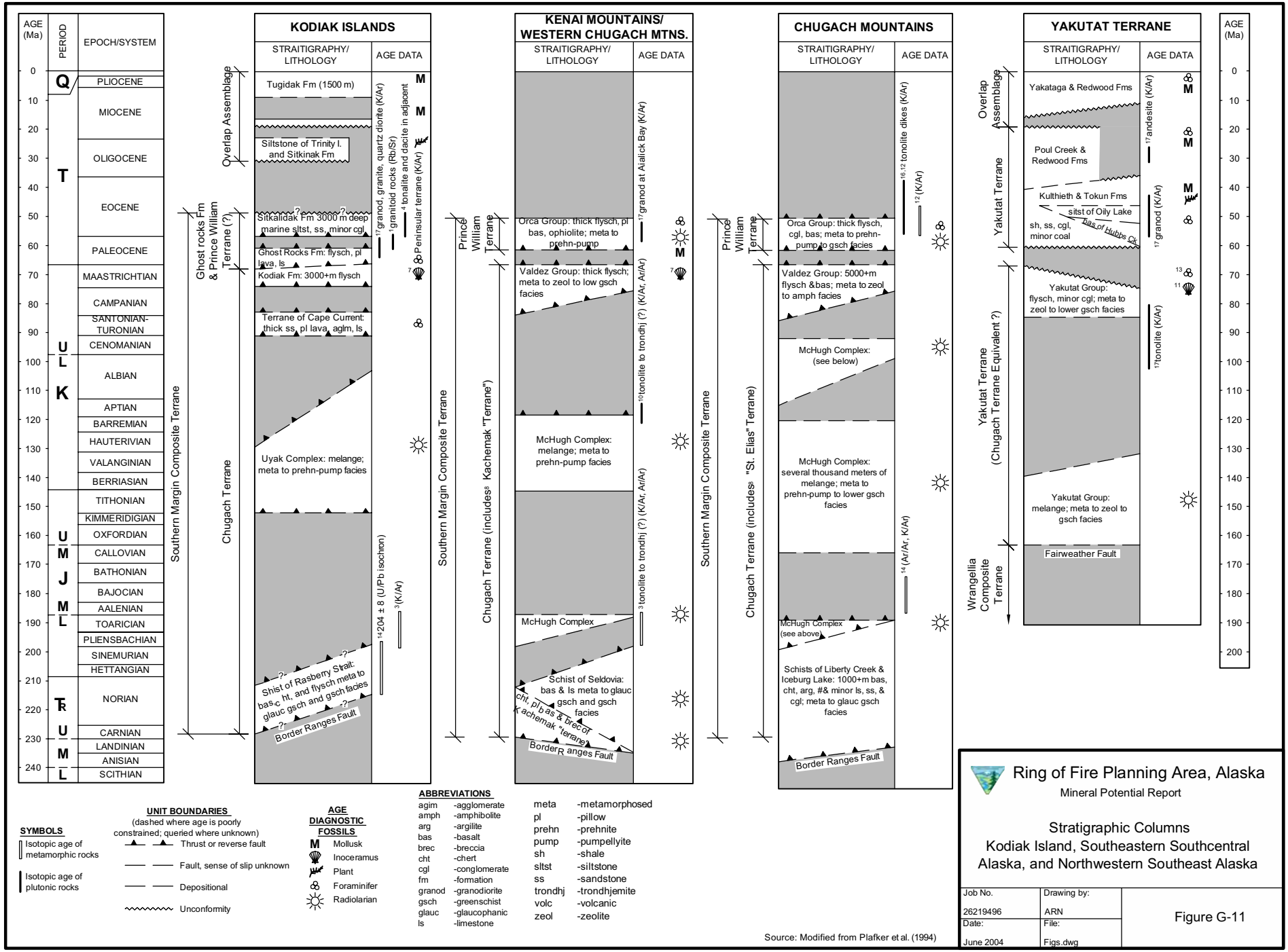
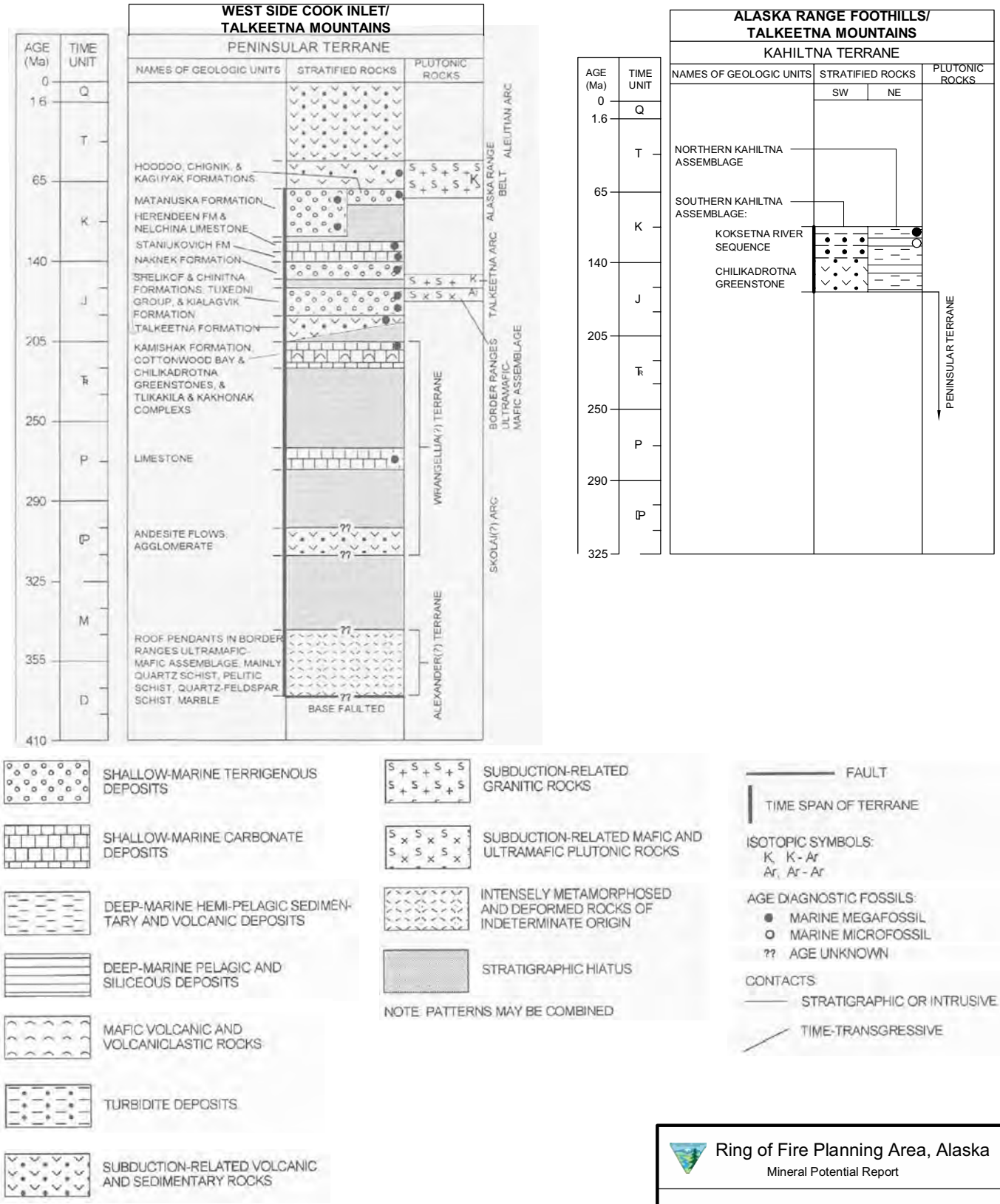


Figure G-11, Stratigraphic Columns, Kodiak Island, Southeastern Southcentral Alaska, and Northwestern Southeast Alaska

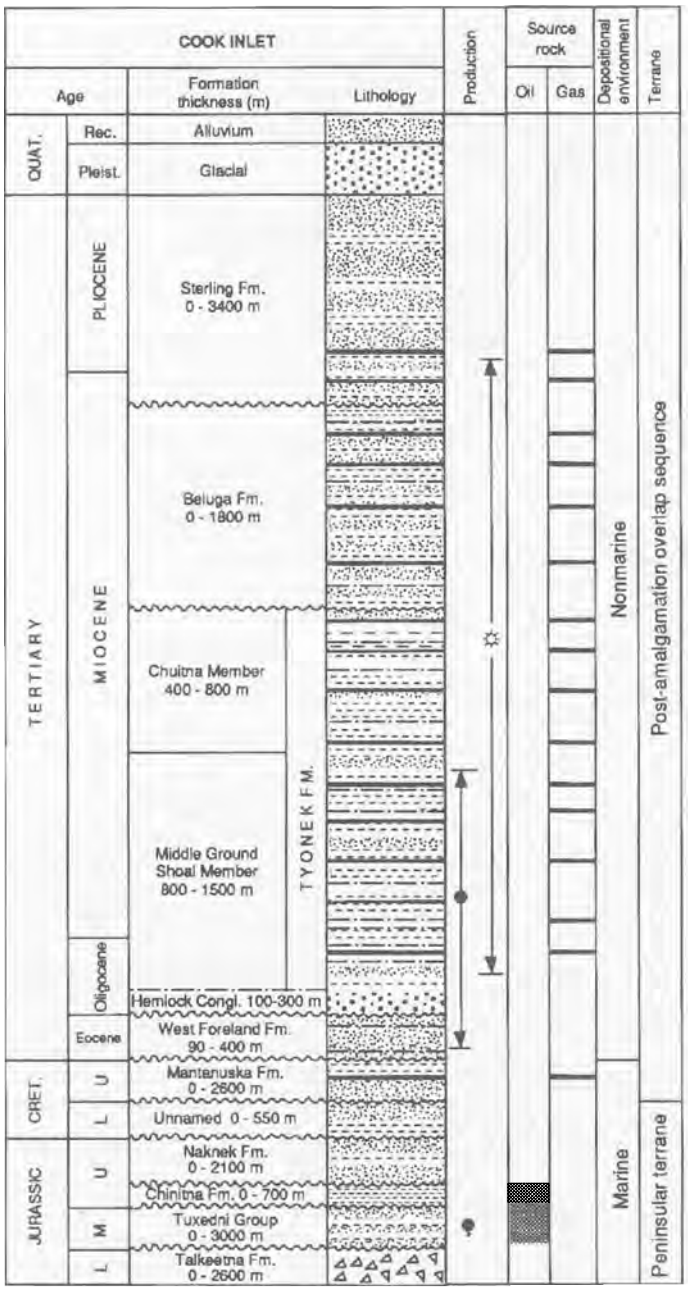


Ring of Fire Planning Area, Alaska
Mineral Potential Report

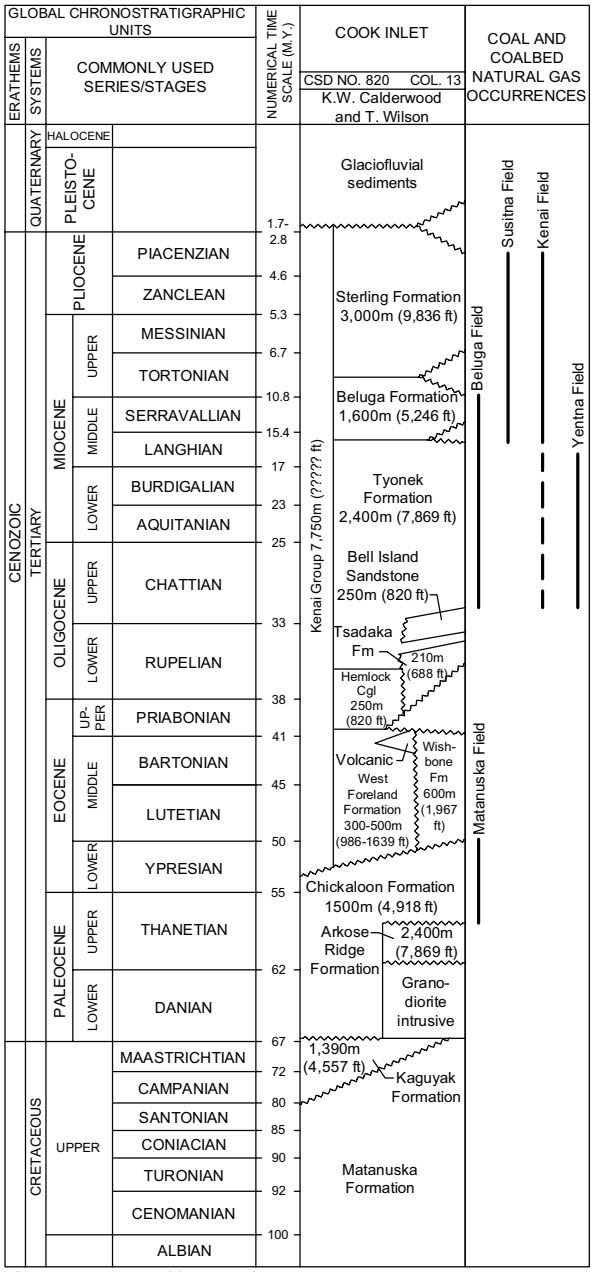
Stratigraphic Columns
Western and Northern Southcentral Alaska

Job No.	Drawing by:	Figure G-12
26219496	ARN	
Date: June 2004	File: Figs.dwg	

Figure G-12, Stratigraphic Columns, Western and Northern Southcentral Alaska



A. Generalized stratigraphic column for Cook Inlet showing petroleum in reservoir rocks and source rock intervals. See Table 2 for oil and gas field names. Modified from Magoon (1994,1996a)



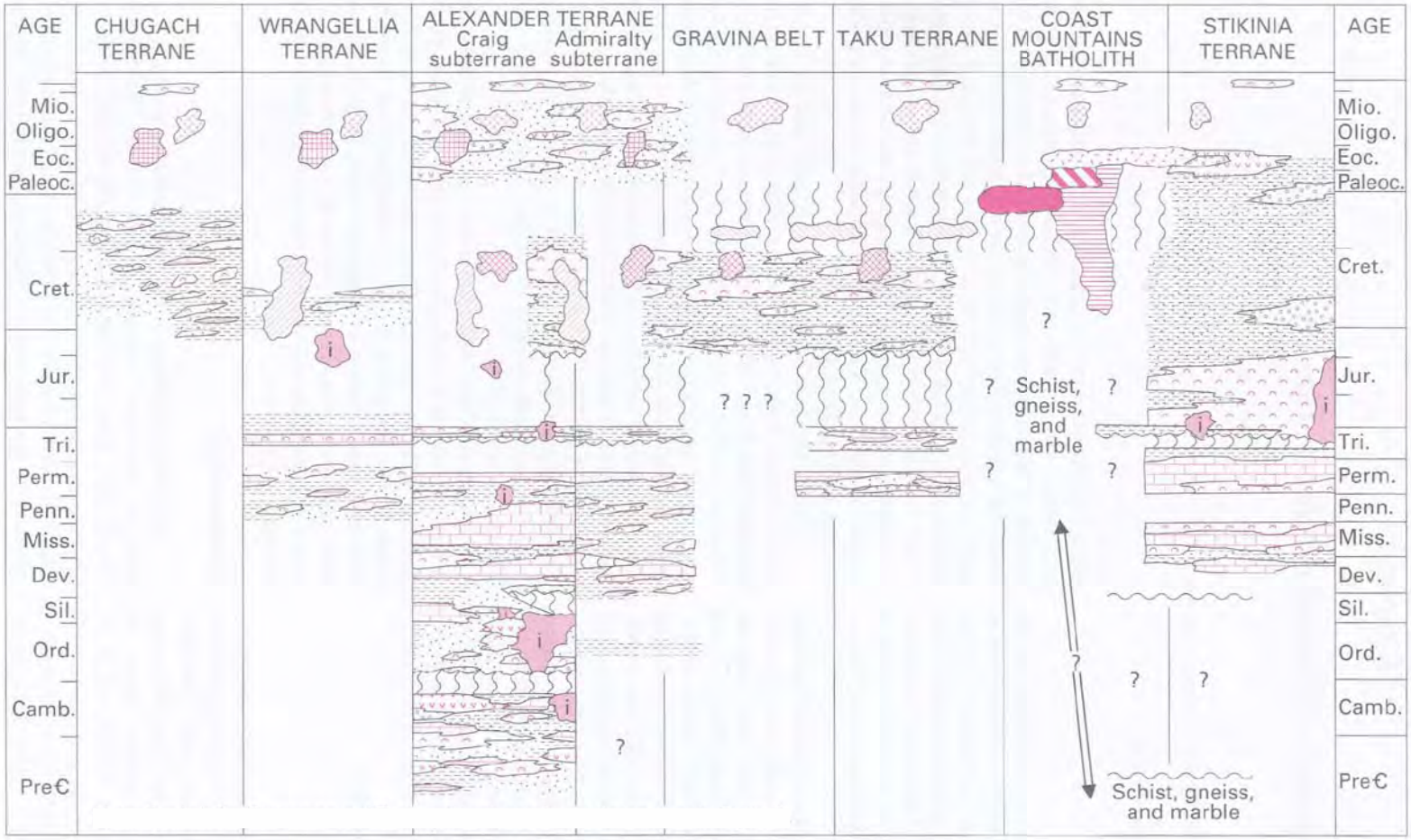
B. Stratigraphic column of Cook Inlet-Susitna basin showing coal and coalbed natural gas occurrences and fields. Modified from Wahrhaftig (1994) and Merritt and Hawley (1986)

Ring of Fire Planning Area, Alaska
Mineral Potential Report

Stratigraphic Columns
Cook Inlet-Susitna Basin

Job No.	Drawing by:	Figure G-13
26219496	ARN	
Date:	File:	
June 2004	Figs.dwg	

Figure G-13, Stratigraphic Columns, Cook Inlet-Susitna Basin



EXPLANATION

- Limestone and dolomite
- Clastic strata
  - Fine grained
  - Medium grained
  - Coarse grained
- Dacite and rhyolite
- Basalt and andesite
- Pre-Cretaceous intrusive suites
- Unconformity–Queried where uncertain
- Deformation and metamorphism

Source: Gehrels and Berg (1994)

Ring of Fire Planning Area, Alaska
Mineral Potential Report

Stratigraphic Columns
Southeast Alaska

Job No.	Drawing by:	Figure G-14
26219496	ARN	
Date: June 2004	File: Figs.dwg	

Figure G-14, Stratigraphic Columns, Southeast Alaska

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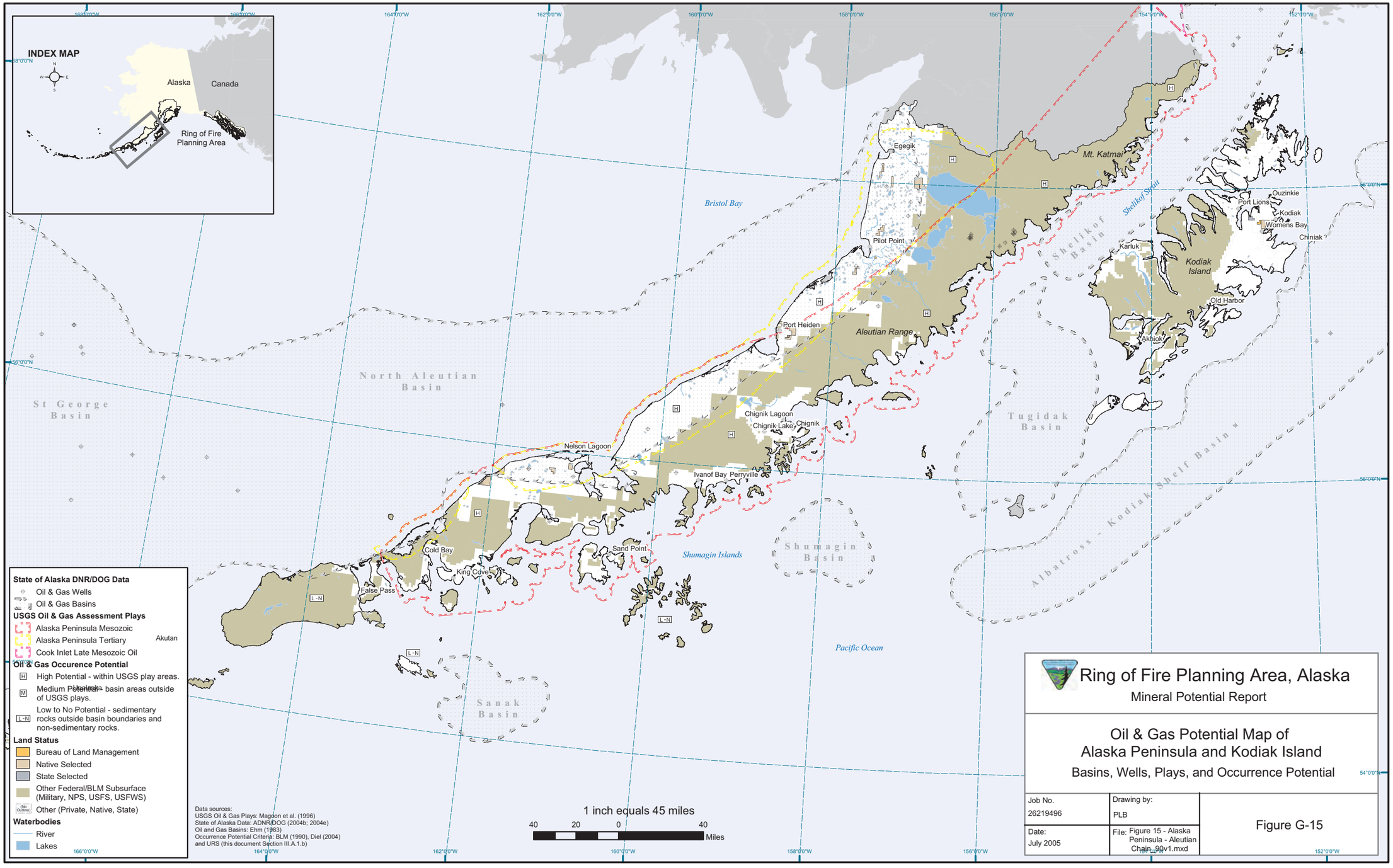

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Figure G-15, Oil & Gas Potential Map of Alaska Peninsula and Kodiak Island