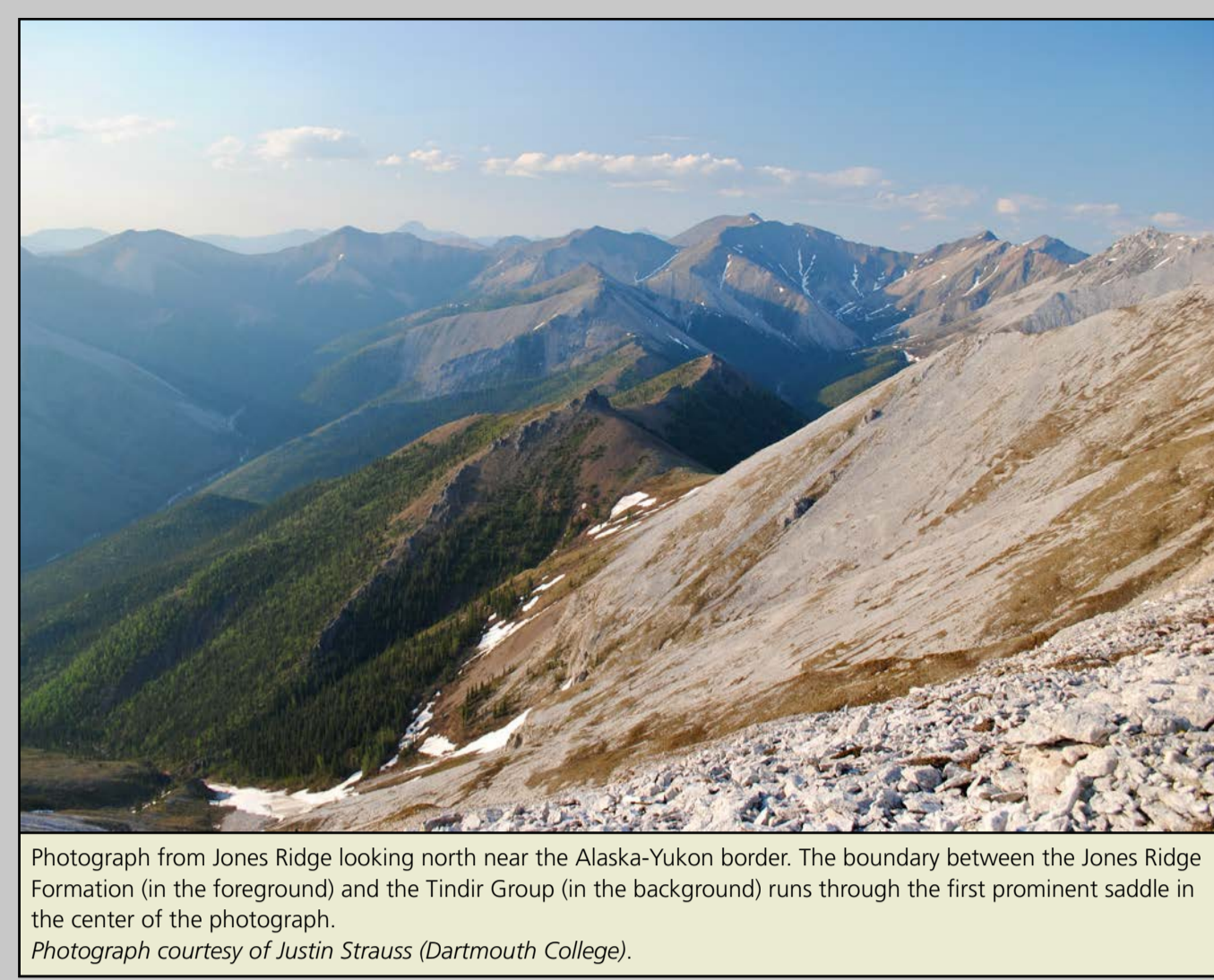
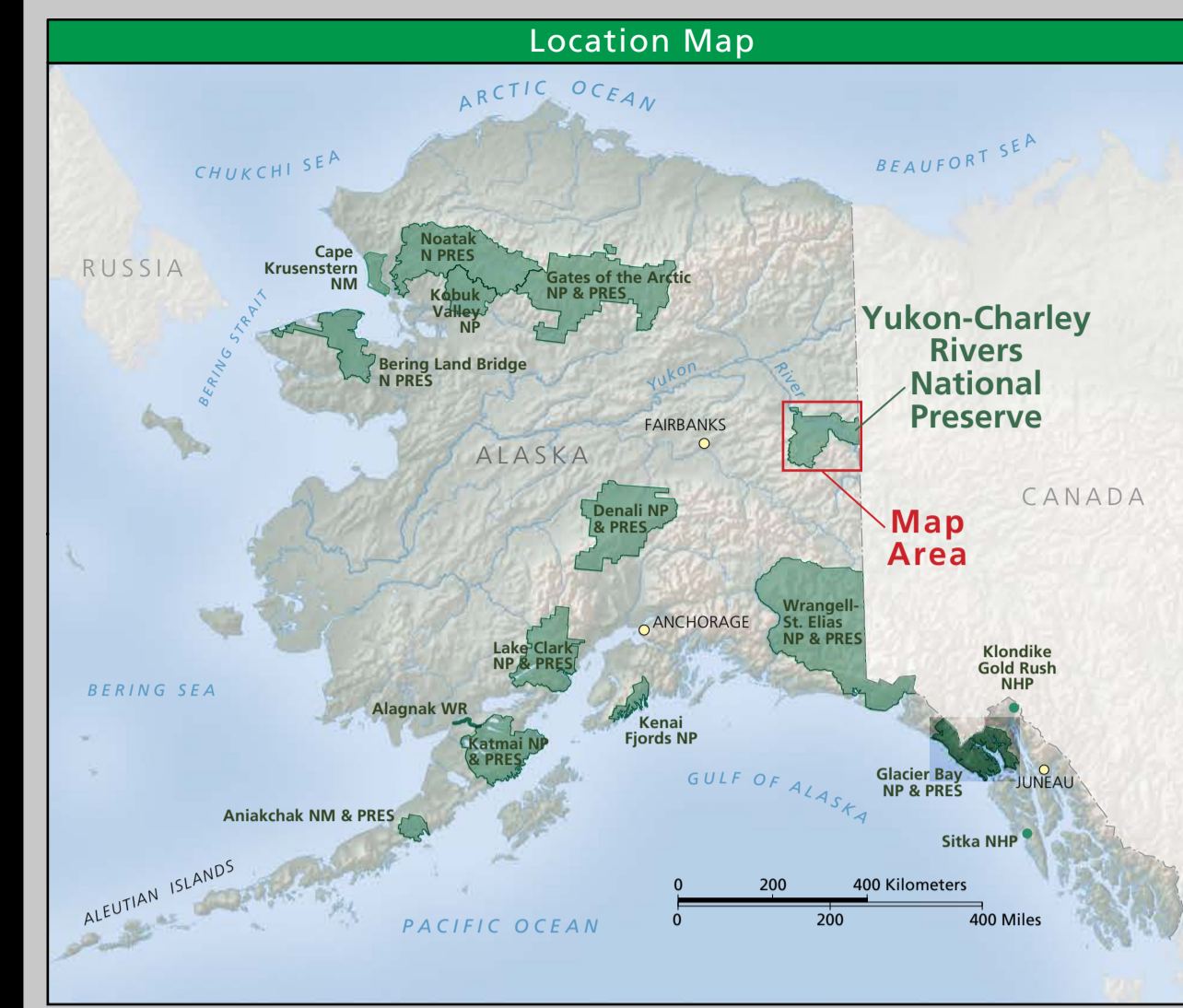
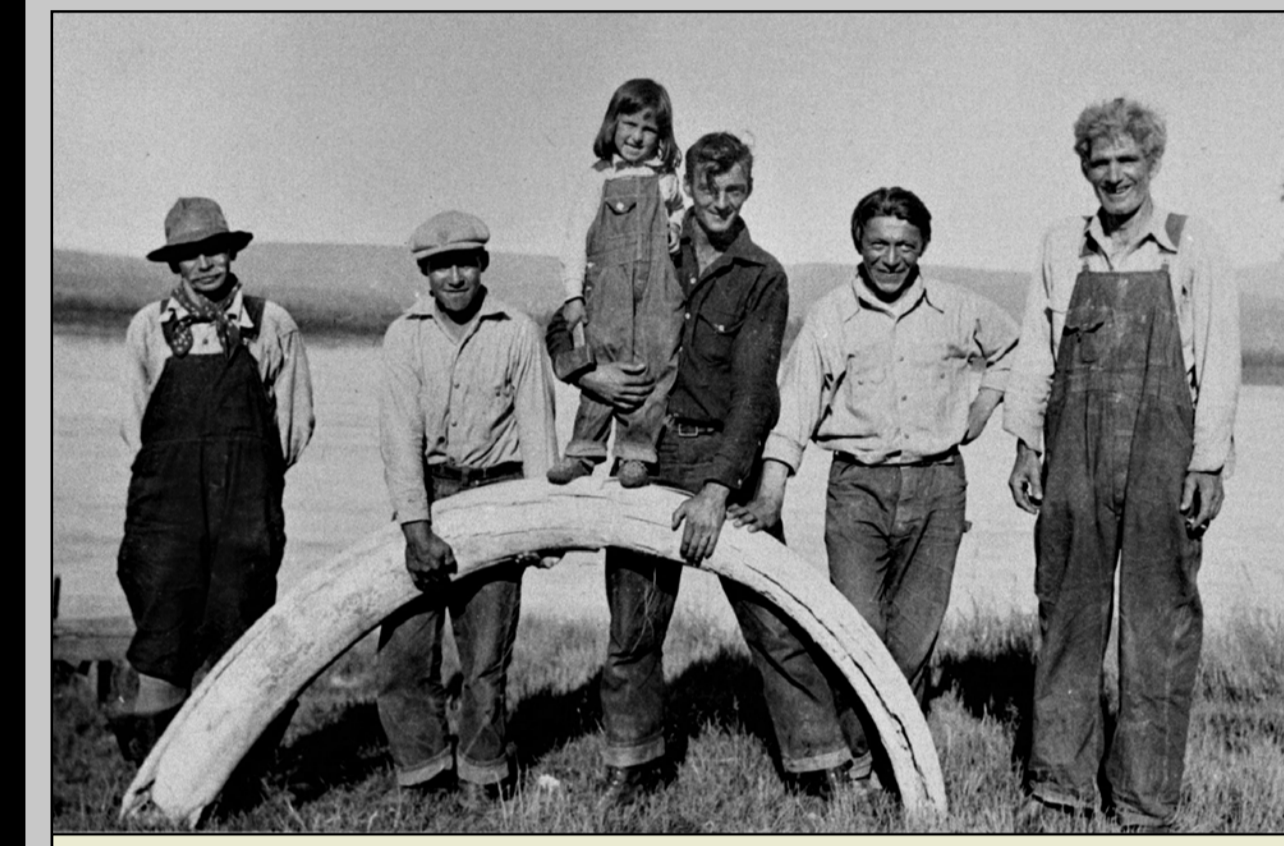


Geologic Map of Yukon-Charley Rivers National Preserve

Alaska



Photograph from Jones Ridge looking north near the Alaska-Yukon border. The boundary between the Jones Ridge Formation (in the foreground) and the Tindir Group (in the background) runs through the first prominent saddle in the center of the photograph.
Photograph courtesy of Justin Strauss (Dartmouth College).



Photograph of Calico Bluff, about 12 km (8 mi) north of Eagle on the Yukon River, in the southeast corner of the preserve. The Calico Bluff Formation (PNMDF) is composed of interbedded limestone (light-colored layers of rock in the photo) and black shales (dark-colored layers of rock in the photo) that were deposited during the Pennsylvanian and Mississippian Periods (358.9–298.9 million years ago).
NPS photograph by Josh Spice.

LEGEND

- National Preserve Boundary
- 1° x 3° Quadrangle Boundary
- Lake and River
- Road
- Airstrip
- Point of Interest
- Trail
- City
- Photo Location

Faults

Thrust fault, arrows indicate up-thrown block of fault: Solid where known or certain, dashed where approximate, short dashes where inferred, dotted where concealed

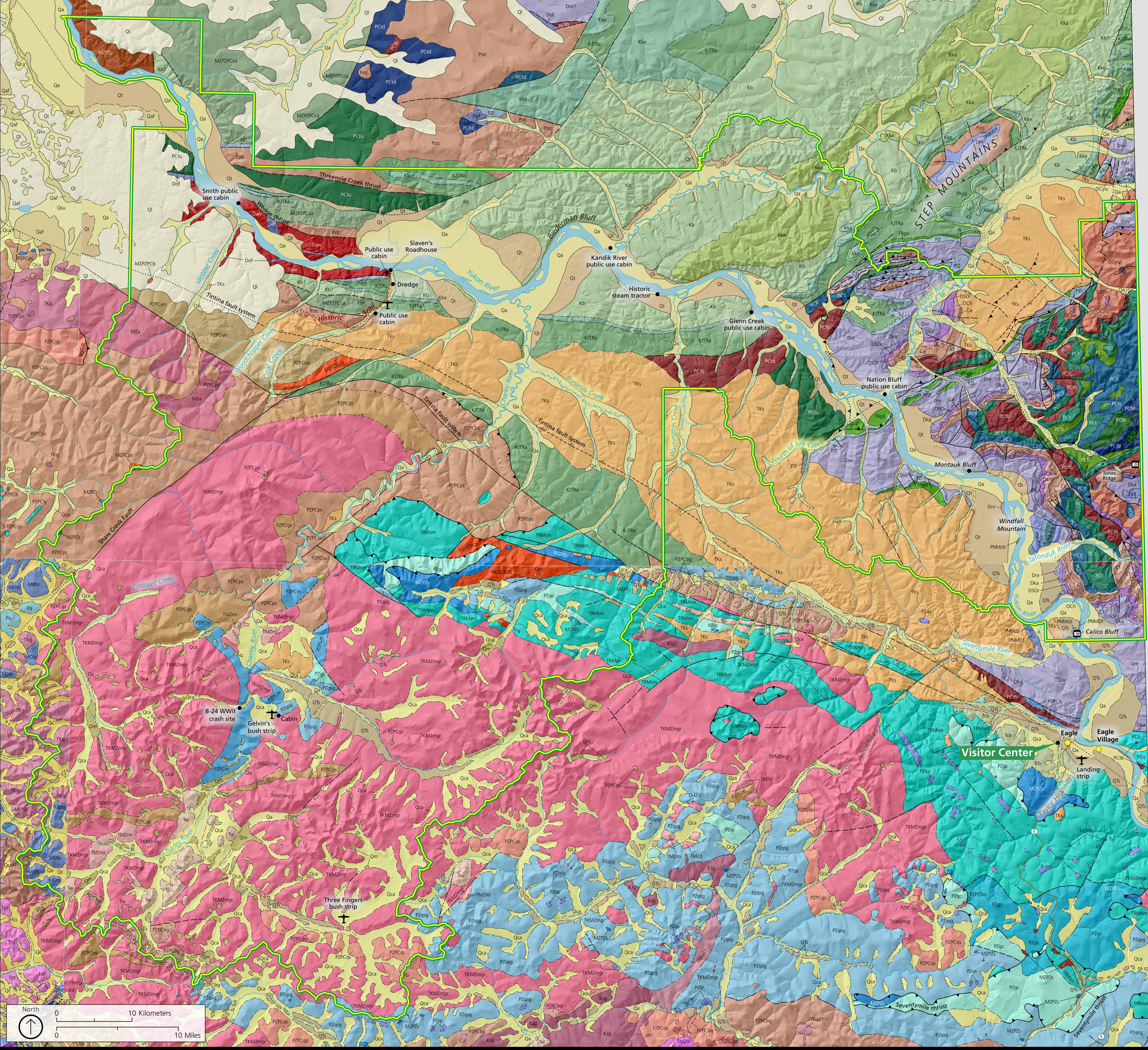
Normal or strike-slip fault, unknown offset/displacement: Solid where known or certain, dashed where approximate, short dashes where inferred, dotted where concealed, dashed with question marks where inferred and queried

Geologic Contacts

Solid where known or certain, dashed where approximate, short dashes where inferred, dotted where concealed, dashed with question marks where inferred and queried

Geologic Units

Qca	Alluvium and colluvium (Quaternary)	Qca	Alluvium (Holocene and Pleistocene)	Qca	Alluvium (Holocene and Pleistocene)	Qca	Loess (Holocene and Pleistocene)	Qca	Silt and peat (Quaternary)	Qca	Old terrace deposits (Quaternary and Tertiary)	Qca	Conglomerate and sandstone (Tertiary)	Qca	Coal-bearing sedimentary rocks (Tertiary)	Qca	Welded tuff (Tertiary)	Qca	Felsic igneous rocks (Tertiary)	Qca	Sedimentary rocks (Pliocene (?) and Late Cretaceous)	Qca	Granitic rocks (Tertiary and Precambrian)	Qca	Mafic igneous rocks (Tertiary (?) and Mesozoic (?)	Qca	Quartz diorite (Tertiary (?) and Mesozoic (?)	Qca	Gabbro with basalt and andesite (?) Tertiary (?) and Mesozoic (?)	Qca	Granitic rocks (Triassic to Tertiary)	Qca	Adamellite (Mesozoic)	Qca	Diorite, gabbro and tonalite (Late and Early Cretaceous)	Qca	Unnamed sandstone (Cretaceous)	Qca	Kandik Group, Kathul Graywacke (Early Cretaceous)	Qca	Kandik Group, Keenan Quartzite (Early Cretaceous)	Qca	Kandik Group, Biederman Argillite (Early Cretaceous)	Qca	Locons of the Yukon-Tanana Upland (Cretaceous and Jurassic)	Qca	Locons of the Yukon-Tanana Upland (Cretaceous and Jurassic)	Qca	Granite, granodiorite and quartz monzonite (Triassic to Late Cretaceous)	Qca	Glenn Shale and equivalents (Triassic to Cretaceous)
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Note: Geologic units and features that end abruptly at a 1° x 3° quadrangle boundary reflect differences in interpretation between maps compiled by Wilson et al. (2015) rather than actual geologic conditions. Resolving these differences is not within the scope of the GRI program.

This poster displays geologic map data compiled by the National Park Service Geologic Resources Inventory (GRI). It is not a substitute for site-specific investigations. All GRI products are available at <https://go.nps.gov/gripubs>.

Source Map: Wilson, F. H., C. P. Hults, C. G. Mull, and S. M. Karl. 2015. Geologic Map of Alaska (scale 1:1,584,000). Scientific Investigations Map SIM-3340. US Geological Survey, Reston, Virginia.

Poster Layout: Thom Curdts and Kajsja Holland-Goon (Colorado State University)

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