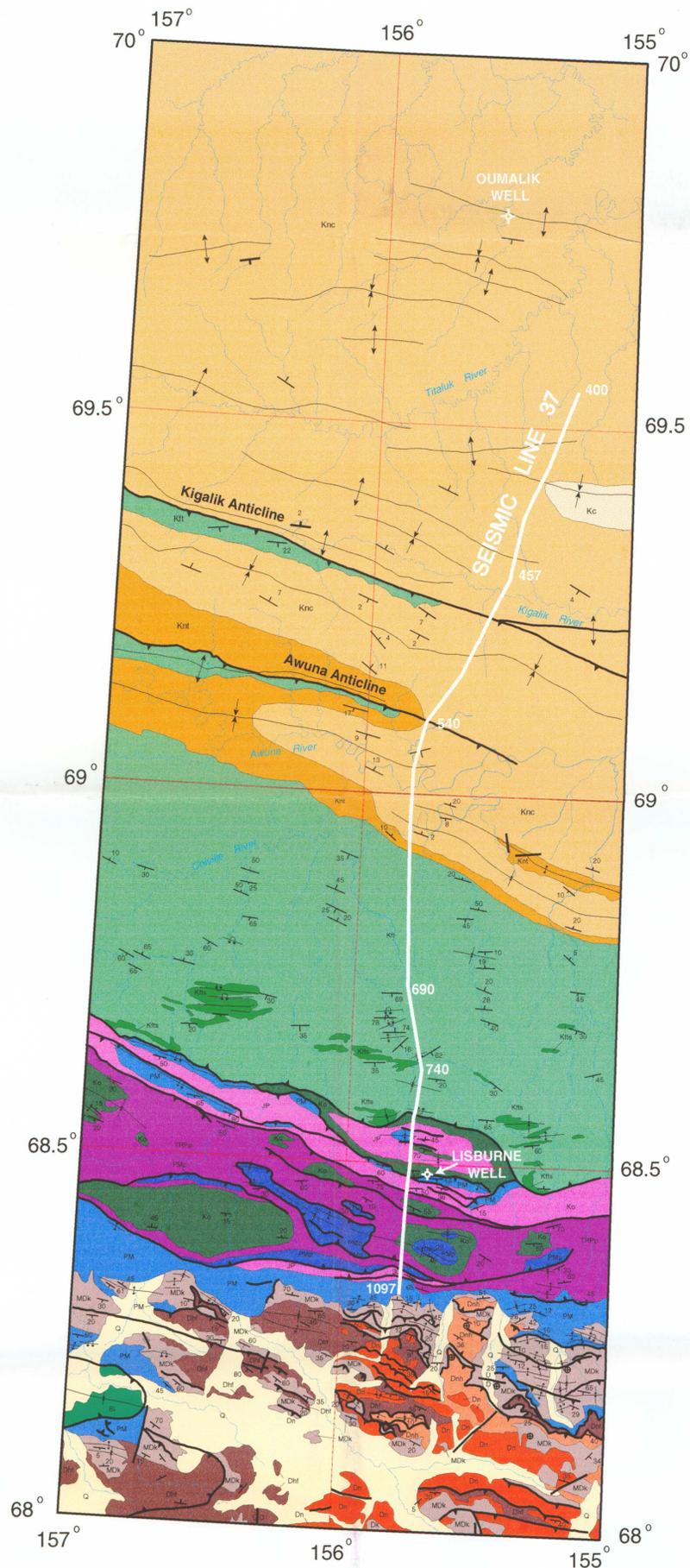
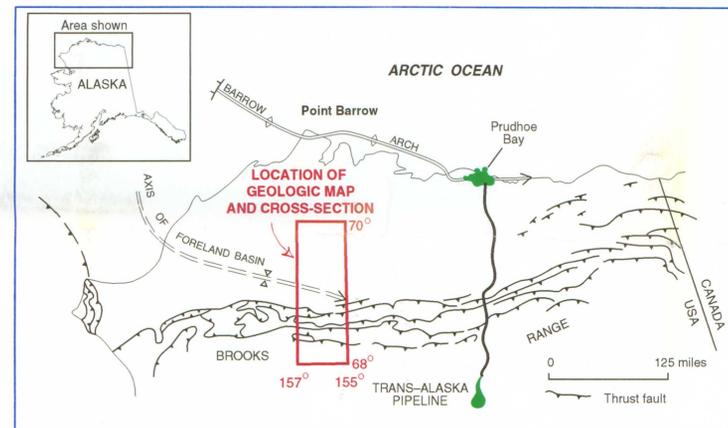
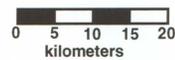


I. GEOLOGIC MAP OF PARTS OF THE KILLIK RIVER, HOWARD PASS, IKPIKPUK RIVER, AND LOOKOUT RIDGE QUADRANGLES, ALASKA



SCALE 1:500,000



LEGEND

- Albian to Cenomanian sandstone, conglomerate, and coal of Nanushuk Group.
- Barremian (?) to early Albian Torok shale (Kft) and Fortress Mountain sandstone and conglomerate (Kfs)
- Early Cretaceous (Berriasian to Valanginian) shale and greywacke of Okpikruak Formation.
- Jurassic to Permian chert, shale, limestone, and mudstone of Etivluk Group.
- Mississippian to Pennsylvanian dolostone, limestone, shale, and minor chert of Lisburne Group and Kayak shale.
- Pennsylvanian to Triassic chert, mudstone, and shale of Picnic Creek allochthon (Imnaitchiak chert).
- Mississippian to Pennsylvanian chert, sandstone, and limestone of Picnic Creek allochthon (Akmalik chert and Kurupa sandstone).
- Upper Devonian sandstone and conglomerate of Kanayut Conglomerate.
- Upper Devonian sandstone and quartzite of Noatak sandstone.
- Upper Devonian shale and sandstone of the Hunt Fork shale.
- Upper Devonian Hunt Fork shale and Noatak sandstone, undivided.

Geology and structure (surface and subsurface) compiled from :

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- Tailleir, I.L., Kent, B.H., Jr., and Reiser, H.N., 1966, Outcrop/Geologic maps of the Nuka-Etivluk region, northern Alaska, USGS Open-File Report 266.
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- Webber, E.J., Ray, R.G., and Fischer, W.A., 1948, Geologic map of the area of the Titaluk and upper Ikpijuk and Meade Rivers, Naval Petroleum Reserve No. 4, Alaska, USGS Report No. 16, 6 p. text and maps.
- Whittington, C.L. and Troyer, M.L., 1948, Geologic map of the area of the Kigalik and Awuna Rivers, Alaska, USGS Report No. 17, 10 p. text and maps.

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards or with the North American Stratigraphic Code. Any use of trade, product, or firm names is for descriptive purposes only and does not imply endorsement by the U.S. Government.

KINEMATIC AND SUBSIDENCE MODELING OF THE NORTH-CENTRAL BROOKS RANGE AND NORTH SLOPE OF ALASKA

By
Frances Cole, Kenneth J. Bird, Jaime Toro, François Roure, and David G. Howell
1995