



**LEGEND**

**SEDIMENTARY ROCKS**

- Recent gravels, sands, and silts of marine, glacial, and fluvial origin
- Older gravels, sands, and silts, mostly forming bench or highland deposits; marine, glacial, and fluvial in origin
- Conglomerate, sandstone, and shales, containing some coal beds
- Bergman group (sandstone, conglomerate, and shale, probably locally coal-bearing)
- UNCONFORMITY
- Koyukuk group (sandstone, conglomerate, and shale, with scattered lignite and subbituminous rock)
- Anaktuvuk group (sandstone with subordinate amounts of shale and conglomerate, and to a certain extent lignite; probably contemporaneous with Bergman group)
- Liburne limestone (thin limestone with thin shale members)
- Notak sandstone (clayey sandstone with subordinate amount of shale and thin limestone)
- Dolomite
- Undifferentiated Paleozoic limestone and dolomite with associated rocks; equivalent probably in part to the Siberian dolomite and Liburne limestone
- Undifferentiated metamorphic schists, mainly of sedimentary origin but probably including some sheared igneous rock

**IGNEOUS ROCKS**

- Basaltic lava flows and volcanic ash
- Granitic intrusives
- Early basic effusives and intrusives, mainly diorites, gabbros, and andesites, with associated pyroclastic rocks
- Gneiss and greenstone schists, mainly sheared intrusives, but possibly in part effusives

**Other Symbols:**

- X: Fossil prospect
- △: Lode prospect
- : Coal prospect

RECONNAISSANCE GEOLOGIC MAP OF NOATAK-KOBUK REGION, ALASKA

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Topography by C. E. Griffin, D. L. Reardon, O. C. Witherspoon,  
H. M. Eakin, C. E. Hill, T. G. Gardner, and W. J. Peters.  
Traverses by Philip S. Smith and F. H. Moffit.  
Additional coast line from Coast and Geodetic Survey charts.  
Selawik River drainage from map by Louis G. M. Stoney.  
Surveyed in 1899, 1900, 1903, 1905, and 1907.

Geology by Philip S. Smith, F. C. Schraeder,  
W. C. Mendonell, F. H. Moffit, H. M. Eakin.  
Surveyed in 1901, 1902, 1903, and 1905.

