



GEOLOGIC RECONNAISSANCE MAP
 FROM
FORT HAMLIN TO KOTZEBUE SOUND

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Scale 1:50,000

Contour interval 200 feet
 Datum is mean sea level
 Probable drainage not surveyed
 Dates indicate camps

Note: Geologic data (in red) compiled from various sources, but chiefly from U.S. Geological Survey Reports by F. C. Schrader and J. E. Spurr

LEGEND

- PLEISTOCENE**
 Unconsolidated deposits
 Silt, clays, sands, and gravels, including 'Kowak clays' and 'Ground ice formation' with remains of living and extinct vertebrates
- PROBABLY LATE TERTIARY**
 Lavas
 Include basalts, andesites, and andesitic breccias
- MIDDLE TERTIARY**
 Kenai series
 Conglomerates, sandstones, shales, lignites, and fire clays. The coal-bearing formation of the region
- PROBABLY MESOZOIC**
 Bergman series
 Includes conglomerates, sandstones, shales, and some red beds
- PROBABLY PALEOZOIC**
 Kenai series
 Includes ultra basic igneous rocks, tuffs and alteration products, some doubtful greenstones and hornstones
- Metamorphic complex
 Includes schists of various types, limestones, quartzites, and greenstones.
 About the Dall River portage cut by heavy granitic and dioritic dikes.
 The gold-bearing formation of the region
- Granitic intrusives