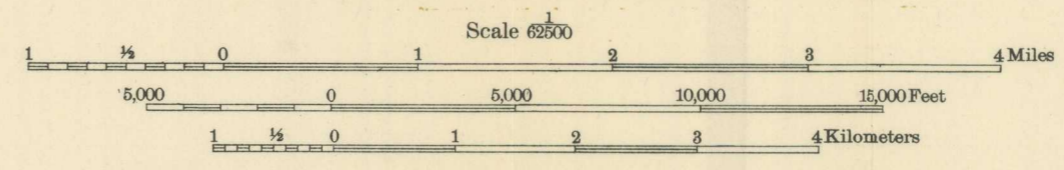


**GEOLOGIC MAP  
OF THE  
MOUNT EIELSON DISTRICT  
ALASKA**

SURVEYED BY ALASKAN BRANCH  
IN COOPERATION WITH THE ALASKA RAILROAD  
TOPOGRAPHY BY S. N. STONER



Contour interval 50 feet  
Datum is mean sea level

Geodetic position and elevations based on data by U. S. Coast and Geodetic Survey.  
Surveyed in 1931

1934

**EXPLANATION**

**SEDIMENTARY ROCKS**

- Quaternary**
  - Pleistocene and Recent**
    - Qal, Qf: Alluvium (Qal, gravel, sand, and silt; Qf, talus and fan material)
    - Qm: Moraines (deposits of Pleistocene and Recent glaciers)
    - Qem: Moraines of existing glaciers
- Tertiary**
  - Eocene or later**
    - Tn: Nenana gravel (light-colored gravel and sand)
  - Eocene**
    - Tcb: Coal-bearing formation (gravel, sand, and clay with local beds of lignite)
- DEVONIAN (?)**
  - Dis: Limestone (thin-bedded, with subordinate shale, sandstone, argillite, graywacke, and schist)

**IGNEOUS ROCKS**

- Tertiary**
  - Eocene**
    - Tv: Volcanic rocks (varicolored basalt, andesite, tuff, dacite, obsidian, and breccia)
    - Tb: Basalt dikes
- Mesozoic (Probably) Post-Triassic**
  - Jgd: Granodiorite (even-grained hornblende-biotite granodiorite)
  - Jpg: Porphyritic granodiorite
  - Jg: Gabbro
  - Fgs: Greenstone (altered lava flows, locally ellipsoidal)

- Fault (U shows upheaved side dashed where uncertain)
- ..... Fault (concealed by alluvium)
- Limit of landslide block
- 60° Strike and dip of bedding
- ↑ Strike of vertical strata