RECONNAISSANCE GEOLOGIC MAP OF COSNA-NOWITNA REGION, ALASKA

Geology by H. M. Eakin
Surveyed in 1915

Alfred H. Brooks, Geologist in charge of division
Topography by H. M. Eakin, C. E. Giffin, and R. B. Oliver
Surveyed in 1909 and 1915
Yukon River from Fort Gibbon to Nowitna River
from Alaska Road Commission, 1907

Scale 1/250,000
5 0 5 10 15 Miles
5 0 5 10 15 20 Kilometers

Contour interval 200 feet
Datum is mean sea level.
Broken lines indicate probable topography of unsurveyed areas.

1917

ENGRAVED AND PRINTED BY THE U.S. GEOLOGICAL SURVEY

LEGEND

CENOZOIC
- QUATERNARY
  - Unconsolidated sedimentary deposits (*silts, sands, and gravels*)
- LATE CRETACEOUS OR EARLY TERTIARY
  - Granitic intrusive rocks (*chiefly granite and monzonite*)
  - Rhyolitic and andesitic volcanic rocks (*flows, tuffs, and breccias, lavas commonly porphyritic*)

UNCONFORMITY

MESOZOIC?
- PROBABLY EARLY MESOZOIC
  - Chert and slate
  - Grits and sandstone
  - Quartzite and phyllite

PALEOZOIC
- DEVONIAN OR YOUNGER
  - Diabase and basalt (*largely altered to greenstone*)
- MIDDLE DEVONIAN
  - Limestone and slate

UNCONFORMITY ?
- UPPER ORDOVICIAN
  - Limestone

UNCONFORMITY
- PRE-ORDOVICIAN
  - Schist and quartzite (*includes some limestone, slate, and altered igneous rocks*)
  - Limestone and greenstone (*limestone in part dolomitic; includes some schist and slate*)

- Gold placer prospect
- Strike and dip
- Strike of vertical bed
- Camp

FOSSIL LOCALITIES
D = Devonian
O = Ordovician