# GEOLOGIC MAP OF RUBY DISTRICT, ALASKA

Scale 1/250000

0 5 10 15 Miles

0 5 10 15 20 Kilometers

Contour interval 200 feet

*Datum is mean sea level*

Broken lines indicate probable topography of unsurveyed areas

1924

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Additional data from surveys by Alaska Road Commission
Surveyed in 1910, 1913, and 1915

Geology by G. L. Harrington, J. B. Mertie, Jr., H. M. Eakin, and A. G. Maddren
Surveyed in 1908, 1910, 1912, and 1915

APPROXIMATE MEAN DECLINATION 1915

## EXPLANATION

### SEDIMENTARY ROCKS

- Unconsolidated silt, sand, gravel, rubble, and moraine material (*Fluviatile, lacustrine, residual, and glacial deposits*) — Pleistocene and Recent — QUATERNARY
- Sandstone, shale, grit, and conglomerate, with some slate and quartzite — Upper Cretaceous and Eocene — CRETACEOUS TERTIARY
- Chert, argillite, and some interbedded rhyolitic tuff — MESOZOIC (?)
- Limestone, slate, shale, and fine-grained arkose — Middle (?) Devonian — DEVONIAN
- Undifferentiated crystalline limestone — EARLY (?) PALEOZOIC
- Undifferentiated metamorphic rocks (*Schist, limestone, slate, phyllite, quartzite, chert, and greenstone*) — PALEOZOIC AND PRE-PALEOZOIC (?)

### IGNEOUS ROCKS

- Oligoclase-quartz diorite, soda granite, oligoclase dacite, and soda rhyolite (*Dikes and small intrusive bodies*) — Late Eocene or post-Eocene
- Pyroxene diorite, gabbro, diabase, and pyroxenite, with some pyroxene andesite and basalt (*Mainly intrusive rocks*) — Late Eocene or post-Eocene
- Pyroxene andesite and basalt (*Flows and associated tuffs, with some interbedded sandstone and shale*) — Late Eocene or post-Eocene
- Undifferentiated intrusive and extrusive rocks — TERTIARY
- Granite — MESOZOIC (?)
- Soda rhyolite and oligoclase dacite (*Flows and associated tuffs*) — LATE PALEOZOIC MESOZOIC (?)
- Greenstone, metamorphosed lavas, tuffs, and intrusive rocks, with some interbedded sediments, chiefly chert — LATE PALEOZOIC MESOZOIC (?)
- Gold placer
- Antimony-quicksilver lode
- Silver lead lode
- Coal
- Fossil locality