

EXPLANATION

- Coluvium (Silt rock)
- Deposits in the present stream valleys, and alluvial fans
- Terrace and bench gravels
- Lacustrine and fluvial deposits
(With some mud flows. Sand, gravel, and diatomaceous earth. Contains much volcanic material and grades into tuffs and breccias. The lower part of this formation intertongues with the Columbia River basalt and locally underlies it. Gravels below the Dooley rhyolite breccia are also included.)
- Columbia River lava
(Chiefly olivine basalt but includes much basic andesite)
- Dacite
(Probably intrusive)
- Andesitic tuff-breccia
- Flow-banded red andesite with a little rhyolite
- Dooley rhyolite breccia
(Rhyolitic and subordinate andesitic breccias and flows)
- Biotite-quartz diorite
- Albite granite
- Silicified gabbro
- Trondhjemite
(Oligoclase-quartz diorite)
- Hornblende-quartz diorite
- Serpentine derived from gabbro or trondhjemite
- Gabbro, gb; Metagabbro, n
- Clover Creek greenstone
(Altered volcanic flows and porphyritic rocks, with subordinate conglomerate, limestone, and chert)
- Greenstone of unknown age and origin (probably includes both intrusive and extrusive rocks)
- Elkhorn Ridge argillite
(Argillite, tuff, and chert, with subordinate limestone, ls, and greenstone masses)
- Burnt River schist
(Various gneisses, schists, quartz, ss, etc., conglomeratic schist, slate, and quartzite, and some interbedded limestone separately mapped)
- Faults, showing downthrow
(Solid line, pro-dip fault, probably correct within 200 feet; dashed line, proved fault, less accurately located; dotted line, inferred fault, proved by younger rocks)
- Strike and dip of beds
- Horizontal bed
- Vertical bed
- Strike of vertical schistosity

QUATERNARY
Pleistocene and Recent

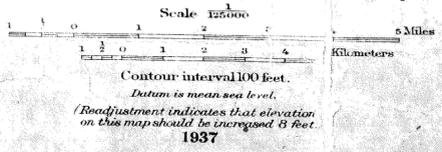
MIOCENE
COLUMBIA RIVER LAVA

TERTIARY
Dacite
Andesitic tuff-breccia

POST-JURASSIC
Biotite-quartz diorite
Trondhjemite
Hornblende-quartz diorite

MESOZOIC
Carboniferous, s (?)
Permian
Paleozoic

GEOLOGIC MAP AND SECTIONS OF THE BAKER QUADRANGLE, OREGON



Geology by James Gilluly assisted by J. C. Reed, R. B. Stewart, C. F. Park, Jr. and H. G. Mitchell. Surveyed in 1929-30.

R. U. Goode, Geographer in charge. Triangulation by S. S. Gannett. Topography by R. H. Mc Kee. Surveyed in 1898-99.

Geologic boundaries: Solid line, probably correct within 200 feet; dotted line, less accurately located.