MIOCENE SURFACE

PRICE 20¢

PLATE 1
BULLETIN No. 12

STATE OF OREGON
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
704 Lewis Building, Portland, Oregon
EARL K. NIXON, Director

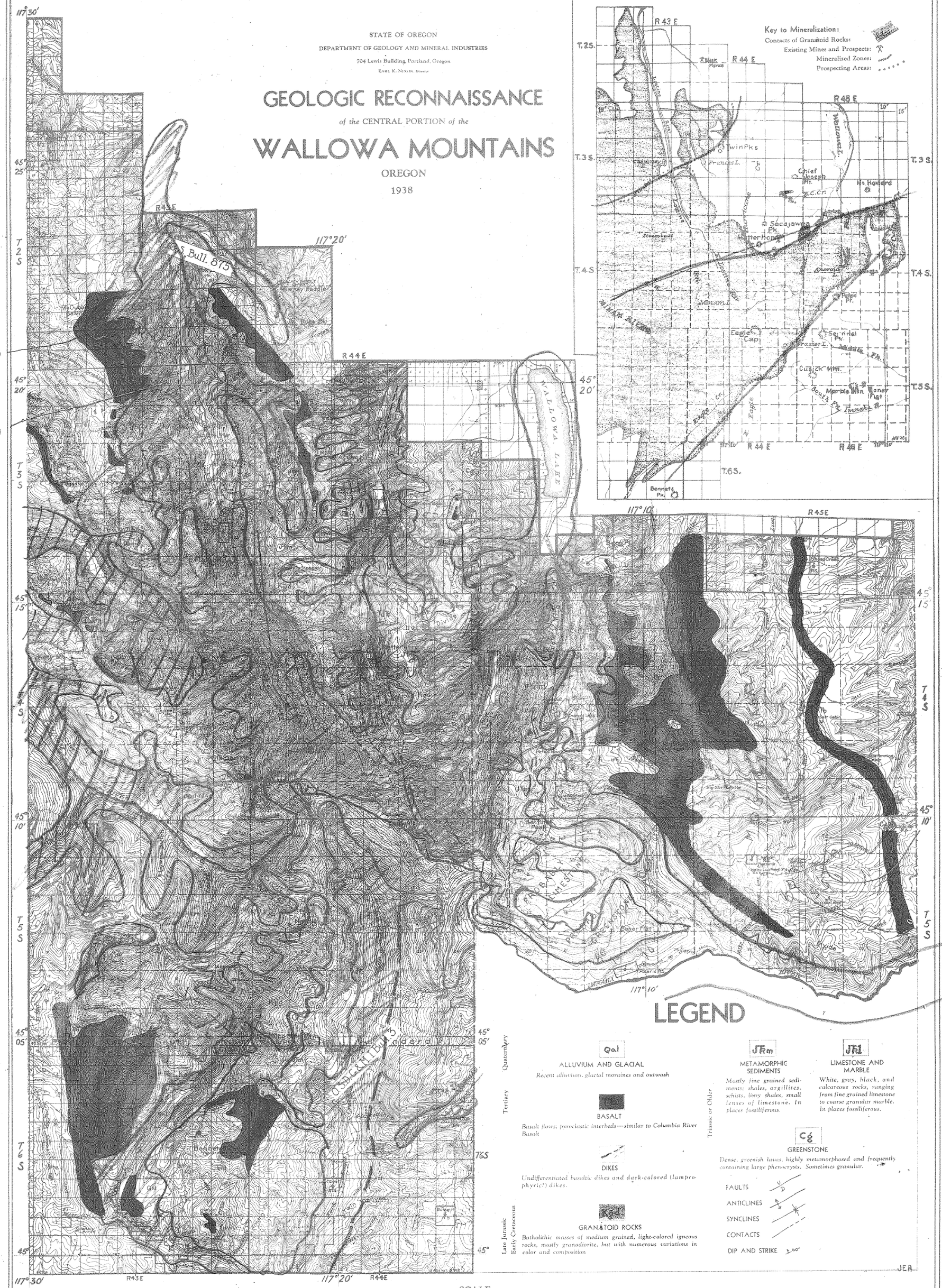
GEOLOGIC RECONNAISSANCE

of the CENTRAL PORTION of the

WALLOWA MOUNTAINS

OREGON

1938



LEGEND

Quaternary

Qal — ALLUVIUM AND GLACIAL
Recent alluvium, glacial moraines and outwash

Tertiary

Tb — BASALT
Basalt flows, pyroclastic interbeds—similar to Columbia River Basalt

DIKES
Undifferentiated basaltic dikes and dark-colored (lamprophyric?) dikes.

Late Jurassic Early Cretaceous

Kgr — GRANITOID ROCKS
Batholithic masses of medium grained, light-colored igneous rocks, mostly granodiorite, but with numerous variations in color and composition

Triassic or Older

JTm — METAMORPHIC SEDIMENTS
Mostly fine grained sediments; shales, argillites, schists, limy shales, small lenses of limestone. In places fossiliferous.

JTl — LIMESTONE AND MARBLE
White, gray, black, and calcareous rocks, ranging from fine grained limestone to coarse granular marble. In places fossiliferous.

Cg — GREENSTONE
Dense, greenish lavas, highly metamorphosed and frequently containing large phenocrysts. Sometimes granular.

FAULTS
ANTICLINES
SYNCLINES
CONTACTS
DIP AND STRIKE 60°

JER

Base: United States Forest Service
Forest Atlas, Wallowa and Minam Folio Sheets.
Surveyed 1912-1917

SCALE
0 1 2 3 4 Miles
Contour Interval—100 Feet

Geology by Warren D. Smith; Assisted by
Ray C. Treasher — John Eliot Allen
Lloyd Ruff — Wayne Lowell