

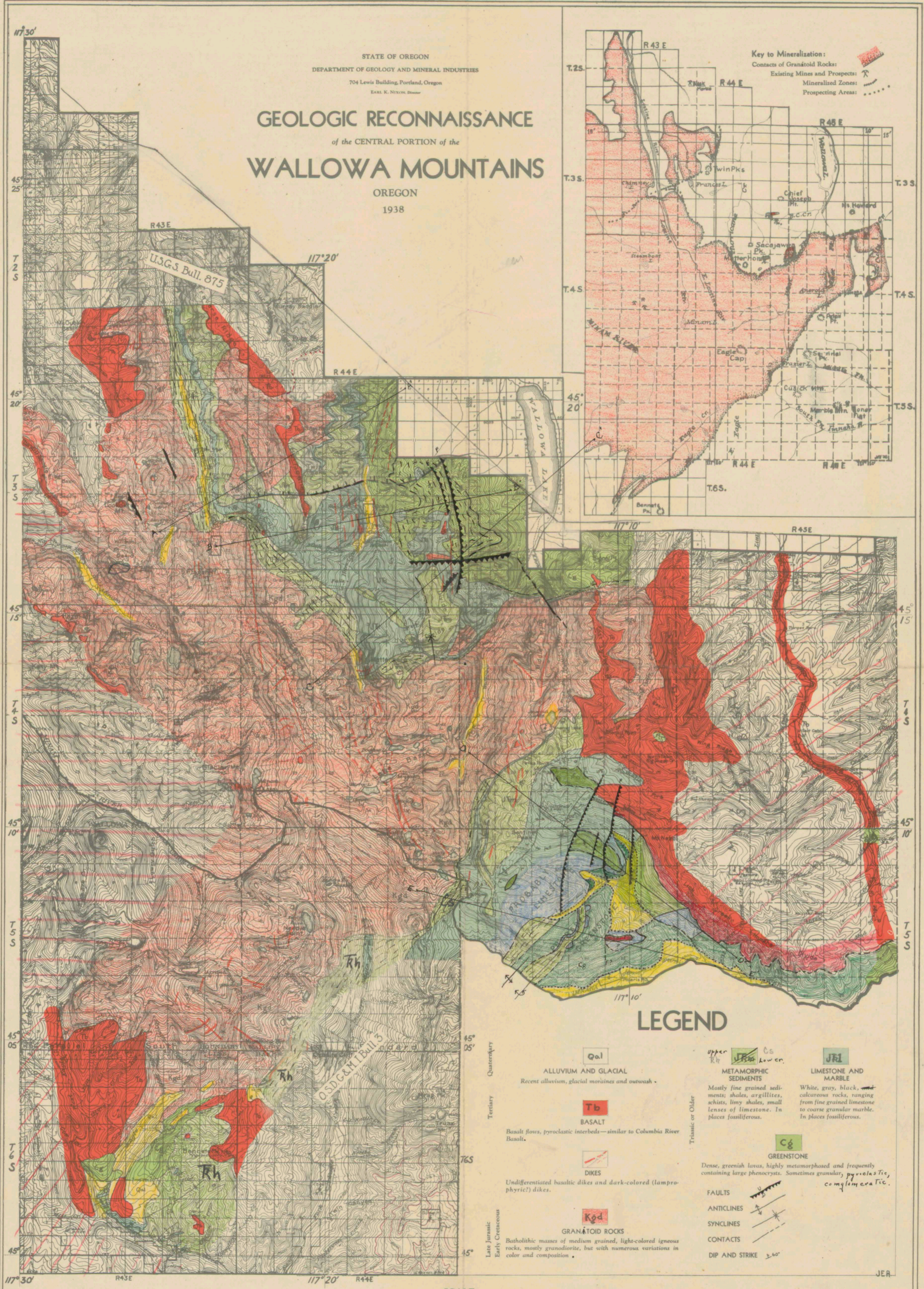
STATE OF OREGON
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
704 Lewis Building, Portland, Oregon
EARL K. NIXON, Director

GEOLOGIC RECONNAISSANCE

of the CENTRAL PORTION of the

WALLOWA MOUNTAINS

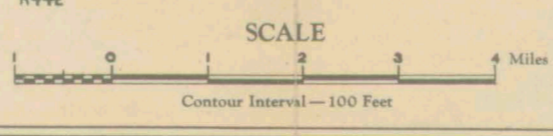
OREGON
1938



Key to Mineralization:
 Contacts of Granitoid Rocks:
 Existing Mines and Prospects:
 Mineralized Zones:
 Prospecting Areas:

LEGEND

- | | | |
|---|---|--|
| <p>Qal
ALLUVIUM AND GLACIAL
Recent alluvium, glacial moraines and outwash.</p> <p>Tb
BASALT
Basalt flows, pyroclastic interbeds—similar to Columbia River Basalt.</p> <p>Dikes
UNDIFFERENTIATED BASALTIC DIKES AND DARK-COLORED (LAMPHYPHYRIC) DIKES.</p> <p>Kgd
GRANITOID ROCKS
Batholithic masses of medium grained, light-colored igneous rocks, mostly granodiorite, but with numerous variations in color and composition.</p> | <p>Jf1
LIMESTONE AND MARBLE
White, gray, black, calcareous rocks, ranging from fine grained limestone to coarse granular marble. In places fossiliferous.</p> <p>Cg
GREENSTONE
Dense, greenish lavas, highly metamorphosed and frequently containing large phenocrysts. Sometimes granular, pyroclastic, conglomeratic.</p> | <p>Upper CS
Lower CS
METAMORPHIC SEDIMENTS
Mostly fine grained sediments: shales, argillites, schists, limy shales, small lenses of limestone. In places fossiliferous.</p> <p>Faults
 FAULTS
Anticlines
 ANTICLINES
Synclines
 SYNCLINES
Contacts
 CONTACTS
Dip and Strike DIP AND STRIKE $\pm 40^\circ$</p> |
|---|---|--|



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

Geology by Warren D. Smith, Assisted by
Ray C. Treasher, John Eliot Allen,
Lloyd Ruff, Wayne Lowell,
also James Hodge, Ross (Neave)

Mer Doug