

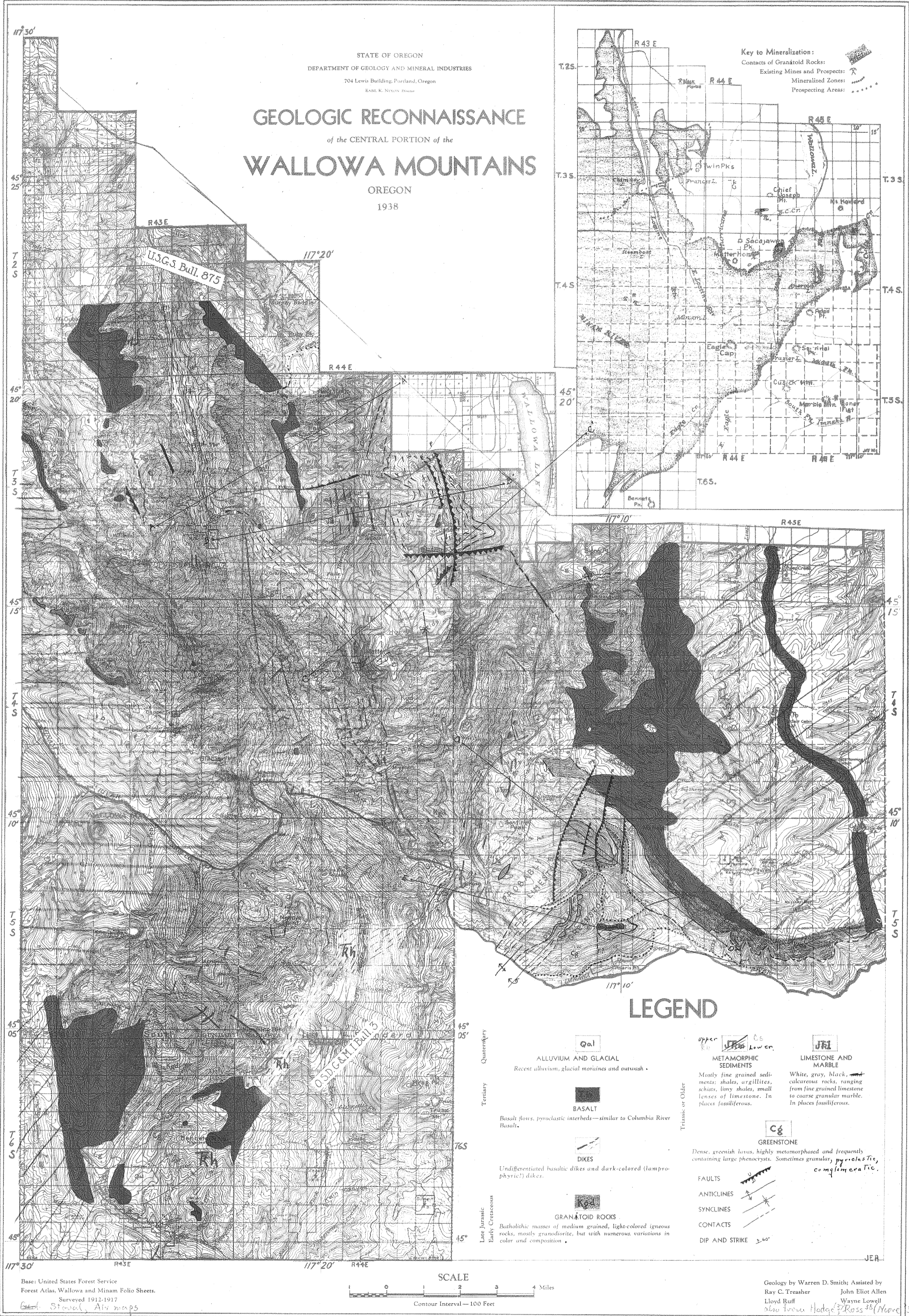
STATE OF OREGON  
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES  
704 Lewis Building, Portland, Oregon  
Earl K. Nye, Director

# GEOLOGIC RECONNAISSANCE

of the CENTRAL PORTION of the

## WALLOWA MOUNTAINS

OREGON  
1938



U.S.G.S. Bull. 875

U.S.G.S. Bull. 5

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### LEGEND

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|--|---|
| <p><b>Qal</b><br/>ALLUVIUM AND GLACIAL<br/>Recent alluvium, glacial moraines and outwash.</p>  | <p><b>JER</b><br/>LIMESTONE AND MARBLE<br/>White, gray, black, calcareous rocks, ranging from fine grained limestone to coarse granular marble. In places fossiliferous.</p>  |
| <p><b>BASALT</b><br/>Basalt flows, pyroclastic interbeds—similar to Columbia River Basalt.</p>   | <p><b>JES</b><br/>METAMORPHIC SEDIMENTS<br/>Mostly fine grained sediments, shales, argillites, schists, limy shales, small lenses of limestone. In places fossiliferous.</p>  |
| <p><b>DIKES</b><br/>Undifferentiated basaltic dikes and dark-colored (lamprophyric) dikes.</p>   | <p><b>Cg</b><br/>GREENSTONE<br/>Dense, greenish luster, highly metamorphosed and frequently containing large phenocrysts. Sometimes granular, pyroclastic, conglomeratic.</p> |
| <p><b>GRANITOID ROCKS</b><br/>Batholithic masses of medium grained, light-colored igneous rocks, mostly granodiorite, but with numerous variations in color and composition.</p> | <p><b>FAULTS</b><br/><b>ANTICLINES</b><br/><b>SYNCLINES</b><br/><b>CONTACTS</b><br/><b>DIP AND STRIKE</b> 30°</p>   |

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

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

Geology by Warren D. Smith; Assisted by  
Ray C. Treasher John Elliot Allen  
Lloyd Ruff Wayne Lowell  
Lawrence Hodges Ross (Harc) 39