



GEOLOGIC AND TOPOGRAPHIC MAP OF THE SHASTA ROUTE

From Seattle, Washington, to San Francisco, California

Base compiled from United States Geological Survey Atlas Sheets, from railroad alignments and profiles supplied by the Southern Pacific Company and from additional information collected with the assistance of this company

UNITED STATES GEOLOGICAL SURVEY

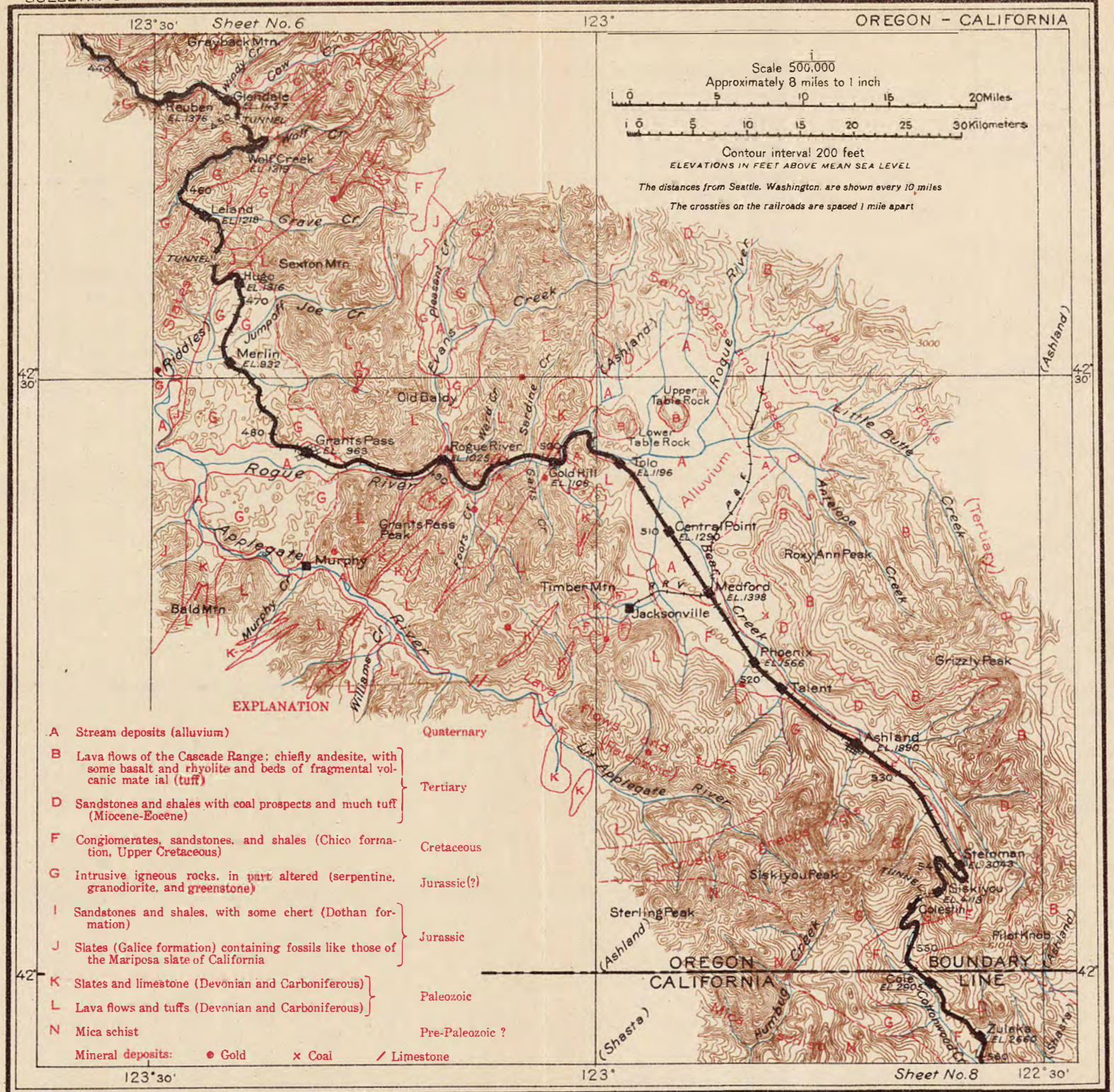
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1915

Each quadrangle shown on the map with a name in parenthesis in the lower left corner is mapped in detail on the U. S. G. S. Topographic Sheet of that name.



EXPLANATION

- A Stream deposits (alluvium) Quaternary
 - B Lava flows of the Cascade Range; chiefly andesite, with some basalt and rhyolite and beds of fragmental volcanic material (tuff) Tertiary
 - D Sandstones and shales with coal prospects and much tuff (Miocene-Eocene) Tertiary
 - F Conglomerates, sandstones, and shales (Chico formation, Upper Cretaceous) Cretaceous
 - G Intrusive igneous rocks, in part altered (serpentine, granodiorite, and greenstone) Jurassic(?)
 - I Sandstones and shales, with some chert (Dothan formation) Jurassic
 - J Slates (Galice formation) containing fossils like those of the Mariposa slate of California Jurassic
 - K Slates and limestone (Devonian and Carboniferous) Paleozoic
 - L Lava flows and tuffs (Devonian and Carboniferous) Paleozoic
 - N Mica schist Pre-Paleozoic?
- Mineral deposits: ● Gold x Coal / Limestone

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