Preliminary Geographic Map of the Durkee Quadrangle, Oregon

1967

Trended by
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1. Preface

An examination of the Durkee Quadrangle was made in the fall of 1966 by the Geological Survey and Minerals Bureau of the State of Oregon. A reconnaissance map of the area was made in the spring of 1967.

2. Introduction

The area covered by the Durkee Quadrangle is located in the southeastern portion of Oregon, about 160 miles east of Portland. It is bounded on the north by the Deschutes River, on the east by the Cascade Range, on the west by the Rogue River, and on the south by the Klamath River.

3. General Geology of the Area

The area is characterized by a complex geologic history involving multiple periods of tectonic activity and volcanic eruptions. Major features include the Oregon Coast Range, the Cascades Range, and the Klamath Mountains.

4. Pre-Tertiary Rocks

Pre-Tertiary rocks in the area include sedimentary, volcanic, and intrusive rocks. Sedimentary rocks are primarily sandstone, shale, and conglomerate. Volcanic rocks include andesite, basalt, and rhyolite. Intrusive rocks are primarily diorite and granodiorite.

5. Tertiary Rocks

Tertiary rocks in the area include andesite, basalt, and rhyolite. The deposits include volcaniclastic rocks, volcanic pyroclastics, and intrusive rocks. The volcanic rocks are primarily andesite and basalt, while the intrusive rocks are primarily diorite and granodiorite.

6. Quaternary Geology

The area is characterized by a complex geologic history involving multiple periods of tectonic activity and volcanic eruptions. Major features include the Oregon Coast Range, the Cascades Range, and the Klamath Mountains.