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Bibliography of the Geology of the Oregon-Washington Continental
Shelf and Coastal Zone, 1899 to 1978

by
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INTRODUCTION

Extensive oceanographic and geologic studies have been conducted on the continental shelf of Oregon and Washington for more than twenty years. This research has resulted in a voluminous but widely dispersed literature. Should this area become the focus of offshore mineral exploration and development similar to that now being undertaken on the California Continental Borderland and Alaskan Outer Continental Shelf, environmental impact statements incorporating geologic data would be required. This bibliography was prepared in anticipation of the need for rapid access to literature pertaining to this region.

This bibliography is designed to assist not only geologists but also land-use planners and others who will be called upon to prepare environmental impact statements prior to oil and gas or mineral lease sales on the Oregon Washington continental shelf. References cover the coastal regions of Oregon and Washington to the edge of the continental shelf (fig. 1). Most references pertaining to the region beyond the continental shelf are excluded. The following subject categories are represented:

- Sediment distribution/thickness
- Sediment transport
- Sediment composition (heavy minerals, clay minerals, etc.)
- Bedrock geology (relevant to geologic hazards)
- Lithology
- Heavy metals
- Oil and gas potential
- Ages of sea-floor deposits
- Structures/faulting
- Earthquakes
- Coastal landforms/geomorphology
- General information

Some references contain, or could fit equally well under, several categories. I have arbitrarily chosen one category and listed the other categories in parentheses after the reference. This bibliography does not contain references pertaining to physical, chemical, or biological oceanographic data, or soil surveys and ground-water resource studies.

To avoid unnecessary duplication, references pertaining specifically to the Puget Sound region of Washington were not included in this bibliography. Interested readers are referred to the following:

Collias, E.E., 1970, Index to physical and chemical oceanographic data of Puget Sound and its approaches, 1923-1966: Seattle, University of Washington Special Report 43.

Collias, E.E, and Duxbury, A.C., 1971, Bibliography of literature, Puget Sound Marine environment: Seattle, University of Washington Special Report 49.

McIntosh, Cam, and Pizzo, Joseph, 1976, Compendium of current environmental studies in Puget Sound and northwest estuarine waters: Seattle, Oceanographic Institute of Washington, n.p.

For a comprehensive general bibliography on continental shelf sedimentation, the reader is referred to:

Nittrouer, C.A., 1976, Continental shelf sedimentation--a bibliography: Report prepared for U.S. Army Corps Engineers, Portland, Ore. Office, 64 p. (Available from District Office, Portland, Ore.)

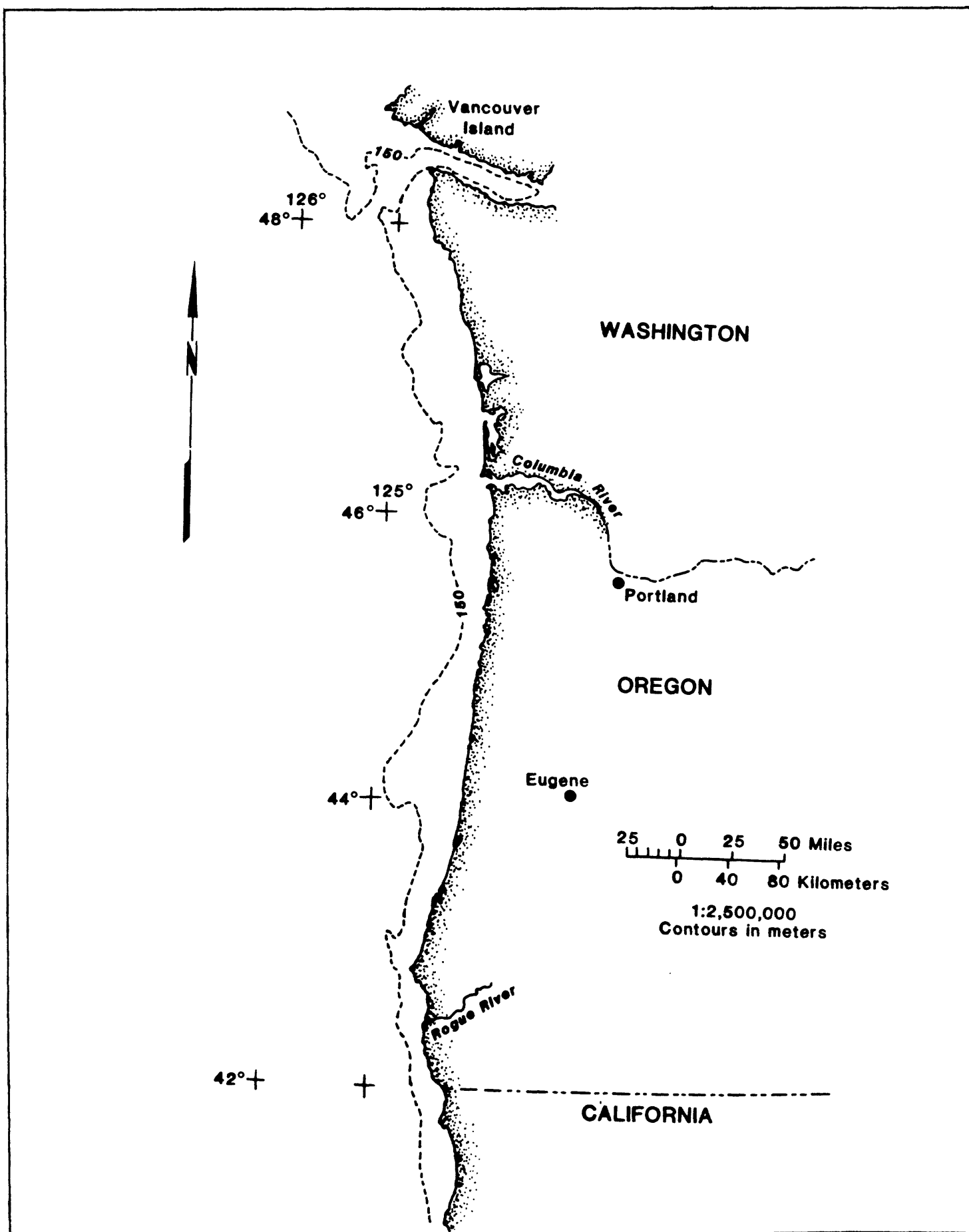


Figure 1. Sketch map of the Oregon-Washington coastal zone showing outer limits of the continental shelf.

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