WASHINGTON DIVISION OF GEOLOGY AND EARTH RESOURCES
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SEISMIC HAZARDS OF WESTERN WASHINGTON AND SELECTED ADJACENT AREAS– BIBLIOGRAPHY AND INDEX 1855-JUNE 1988

compiled by

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This report has not been edited or reviewed for conformity with
Division of Geology and Earth Resources standards and nomenclature

WASHINGTON STATE DEPARTMENT OF
Natural Resources
Brian Boyle - Commissioner of Public Lands
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PREFACE

This bibliography and index of materials pertinent to the study of earthquake hazards in western Washington was prepared in support of the U.S. Geological Survey's Regional Earthquake Hazards Assessment of the Puget Sound-Portland Area program.

Scope

Geographic: The project's central geographic focus is the Puget Lowland, primarily Whatcom, Skagit, Snohomish, King, Kitsap, Thurston, Pierce, Mason, Clark, Cowlitz, Grays Harbor, and Island Counties, and the metropolitan Portland, Oregon, area. Studies of three other areas were included in order to increase the understanding of the targeted areas:

(1) The Cascade mountains, because of the 1872 earthquake, the St. Helens seismic zone, and the recent eruptions of Mount St. Helens;
(2) The Olympic Peninsula and offshore areas, because of current research on subduction-zone earthquakes; and
(3) Southwestern British Columbia (primarily southern Vancouver Island and the metropolitan Vancouver area) because of the 1946 Vancouver Island earthquake and the extensive geologic research currently being done in this area.

Subject: The goal of the bibliography has been inclusion of all studies that could shed light on the causes and(or) effects of earthquakes in western Washington. Thus, the bibliography emphasizes the seismology, geophysics, and earthquake-related hazards of the targeted geographic areas and includes studies of structural geology and tectonics, glacial geology, geochronology, slope stability, soil mechanics, and other pertinent subjects.

Organization

This work consists of three parts:

(1) AUTHOR BIBLIOGRAPHY--Each citation is given in full and is listed alphabetically by author. Joint-author cross references are interfiled.

(2) SUBJECT INDEX--Items are indexed alphabetically by subject, political and geographic area, and formation name, with subject and(or) areal subdivisions as appropriate.

We have tried to provide the maximum usefulness in a brief format. Therefore:
-- materials are listed both by subject subdivided by area (for example, EARTHQUAKES AND SEISMOLOGY - WASHINGTON - KING CO.) and, by area subdivided by subject (for example, KING CO. - EARTHQUAKES AND SEISMOLOGY).

-- only the author(s), date, and title of the citations are given.
-- items with the same author(s) and title issued more than once (for example, as both a thesis and an abstract) are listed only once under the Subject Heading and marked with an asterisk (*).

(3) SUBJECT INDEX TERMS--The full list of all headings and cross references used in the Subject Index is given. Used headings are in upper case (e.g., ENGINEERING GEOLOGY - WASTE DISPOSAL); cross reference headings are in lower case (e.g., Landfills, see ENGINEERING GEOLOGY - WASTE DISPOSAL). The county or physiographic province of most specific locations is noted, e.g., ABERDEEN WASH. (Grays Harbor Co.)

Procedures

The bibliography includes more than 4,000 citations. These have been drawn from:

(1) The bibliographies (now on-line) on Washington geology published by the Division of Geology and Earth Resources (DGER): Bennett, 1937; Reichert, 1960; Reichert, 1969; Manson and Burnetti, 1983; Manson, 1986;.
(2) New citations added to the DGER data base between June 1, 1986 and June 30, 1988.
(3) The bibliographies on Oregon geology published by the Oregon Department of Geology and Mineral Industries: Treasher and Hodge, 1936; Allen and others, 1947; Steere, 1953; Steere and Owen, 1962; Roberts, 1970; Roberts and others, 1973; Hulick and AGI, GeoRef, 1978; Burnetti and Neuendorf, 1981; Neuendorf, 1987.
(4) The bibliography of the Quaternary geology of British Columbia (Clague, 1987).
(5) Searches of the NTIS data base (for Washington) and of the GeoRef data base (for the Portland, Oregon, area).
(6) Library research at the DGER library, the University of Washington library, the U.S. Army Corps of Engineers library, and the offices of the Port of Seattle and the Port of Tacoma.
(7) A draft bibliography in preparation by L. L. Noson and others.

The DGER citations were downloaded to form the core of the file. Items from the other sources were identified, obtained, indexed, and entered into this data base file. Approximately 98 percent of the items included in this bibliography are held in the DGER library collection.

Acknowledgements

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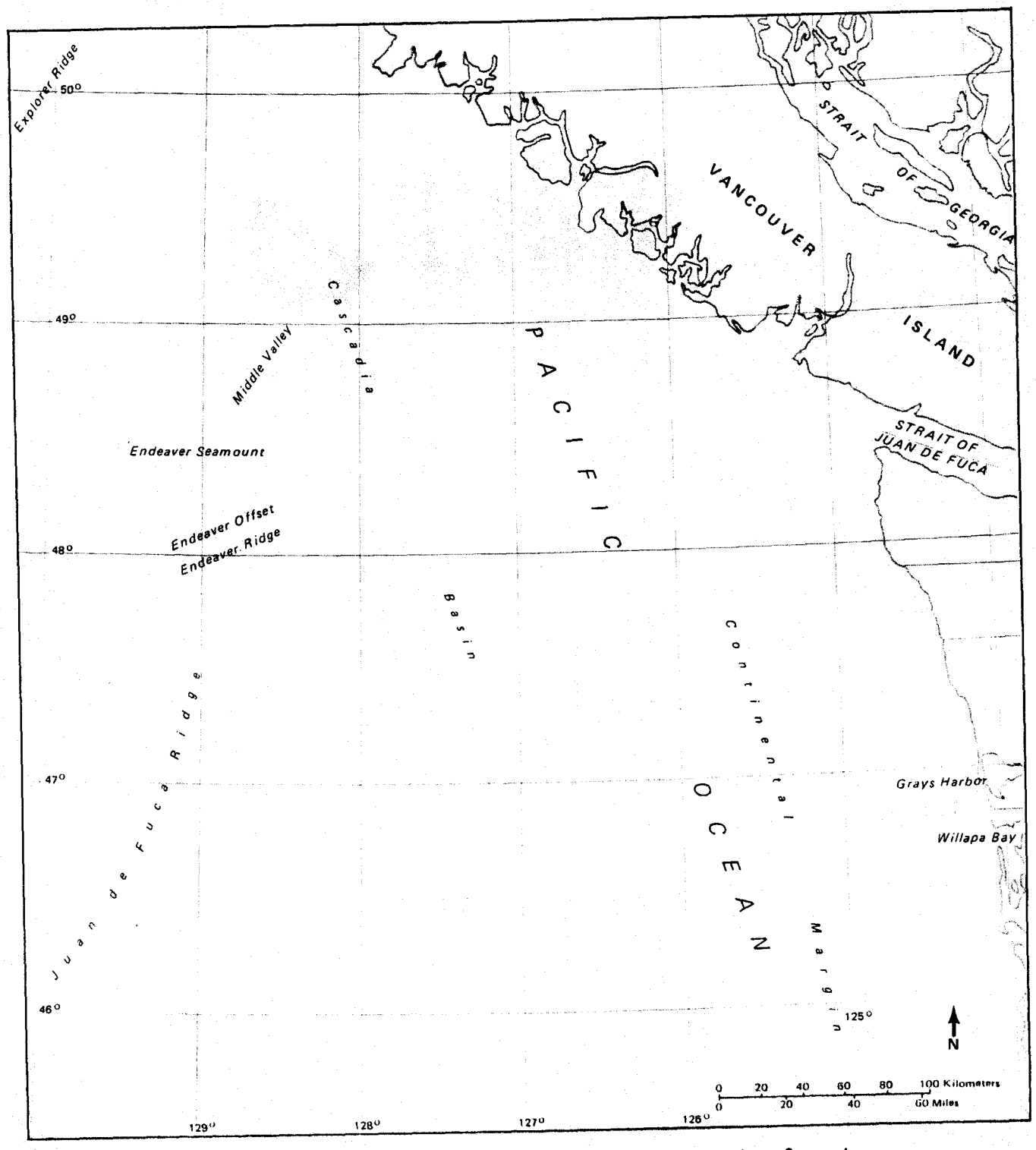
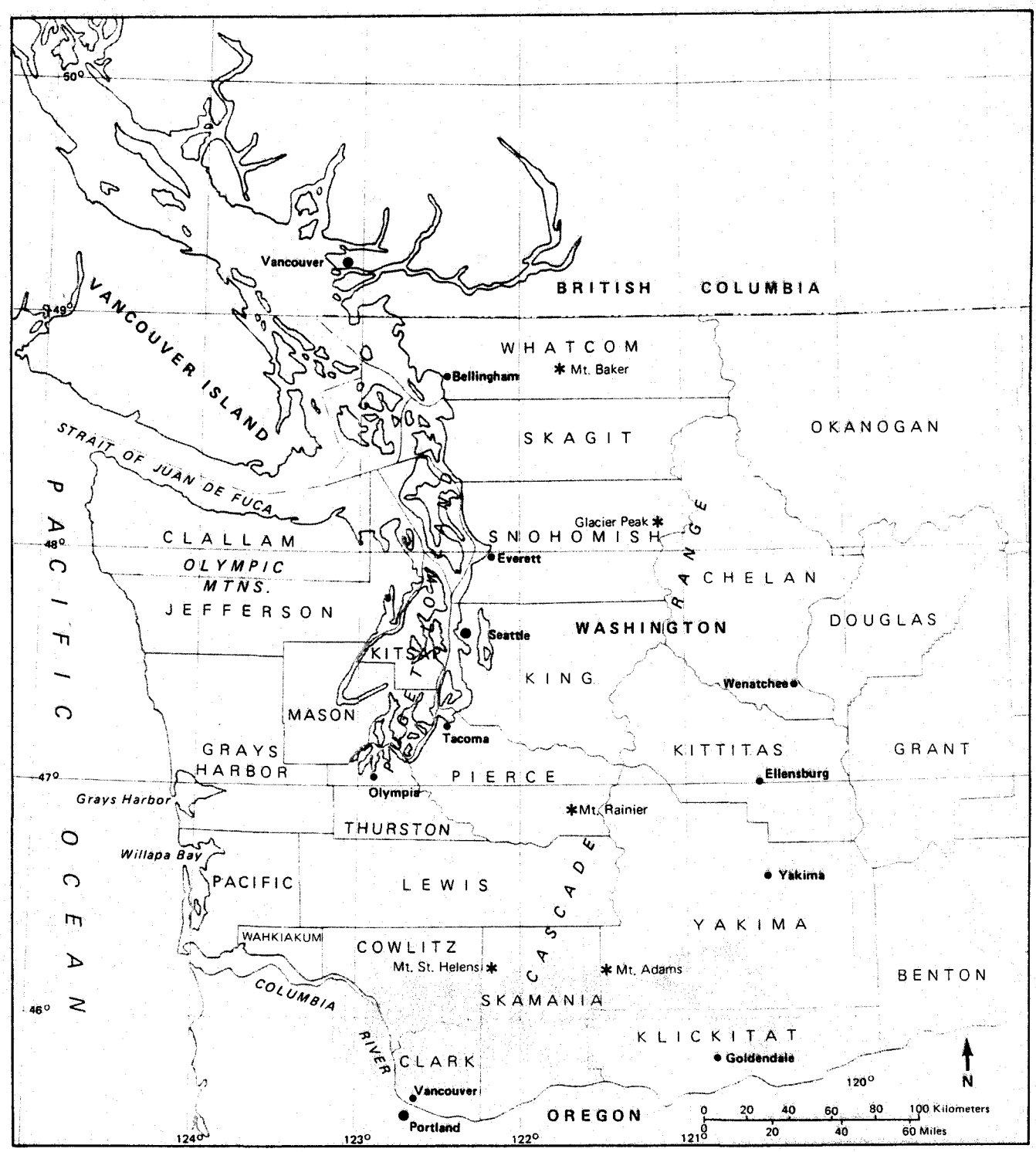


Study area for the bibliography of seismic hazards of western Washington and adjacent areas



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