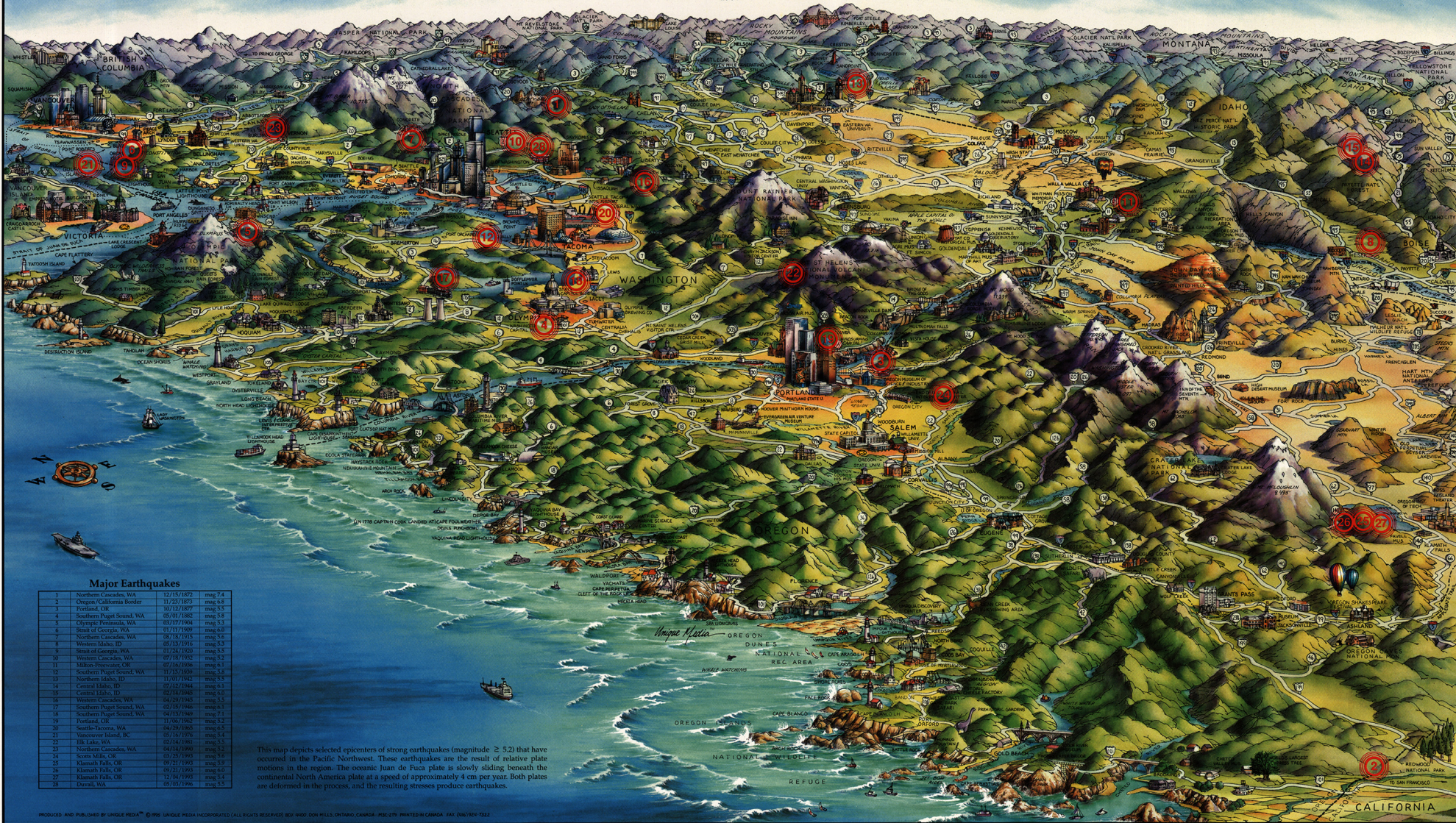


Major Earthquakes of the Pacific Northwest

Robert P. Massé and James W. Dewey

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY
NATIONAL EARTHQUAKE INFORMATION CENTER
WORLD DATA CENTER A FOR SEISMOLOGY

1997



Major Earthquakes

1	Northern Cascades, WA	12/15/1922	mag. 7.4
2	Oregon/California Border	11/23/1855	mag. 6.8
3	Portland, OR	10/12/1897	mag. 5.5
4	Southern Puget Sound, WA	06/07/1882	mag. 5.3
5	Olympic Peninsula, WA	03/17/1904	mag. 5.3
6	Strait of Georgia, WA	01/17/1906	mag. 5.0
7	Northern Cascades, WA	08/19/1915	mag. 5.6
8	Western Idaho, ID	05/13/1916	mag. 5.8
9	Strait of Georgia, WA	01/24/1920	mag. 5.3
10	Western Cascades, WA	07/18/1932	mag. 5.2
11	Willow Pt., Oregon, OR	09/16/1906	mag. 6.1
12	Southern Puget Sound, WA	11/03/1939	mag. 5.8
13	Northern Idaho, ID	11/01/1942	mag. 5.3
14	Central Idaho, ID	07/15/1944	mag. 6.1
15	Central Idaho, ID	07/14/1948	mag. 6.0
16	Western Cascades, WA	06/16/1965	mag. 5.5
17	Southern Puget Sound, WA	02/19/1966	mag. 6.1
18	Southern Puget Sound, WA	08/13/1968	mag. 7.1
19	Portland, OR	11/02/1980	mag. 5.2
20	Seattle-Tacoma, WA	04/29/1980	mag. 6.5
21	Vancouver Island, BC	07/19/1951	mag. 5.4
22	Elk Lake, WA	02/14/1981	mag. 5.1
23	Northern Cascades, WA	02/18/1980	mag. 5.8
24	Scotin Mills, OR	05/25/1981	mag. 5.0
25	Klamath Falls, OR	09/22/1993	mag. 5.9
26	Klamath Falls, OR	10/21/1993	mag. 6.0
27	Klamath Falls, OR	12/04/1993	mag. 6.4
28	Duvall, WA	05/07/1996	mag. 5.5

This map depicts selected epicenters of strong earthquakes (magnitude ≥ 2.5) that have occurred in the Pacific Northwest. These earthquakes are the result of relative plate motions in the region. The oceanic Juan de Fuca plate is slowly sliding beneath the continental North America plate at a speed of approximately 4 cm per year. Both plates are deformed in the process, and the resulting stresses produce earthquakes.