

Open File Report  
O-97-31  
Tsunami Hazard Map of  
the Winchester Bay Quadrangle,  
Douglas County, Oregon

**Tsunami inundation boundary**  
upper limit of area expected to be covered by  
flood water from a tsunami caused by a  
magnitude 8.8 undersea earthquake

See accompanying text for use of this map, mapping  
methodology, and acknowledgments.

**Mapping by:**  
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PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY  
CONTROL BY THE UNITED STATES GEOLOGICAL SURVEY  
CORRECTED FROM AERIAL PHOTOGRAPHS TAKEN ..... 1980  
FIELD CHECKED ..... 1982, MAP EDITED ..... 1988  
PROJECTION ..... LAMBERT CONFORMAL CONIC  
GRID: 1000-METER UNIVERSAL TRANSVERSE MERCATOR ..... ZONE 10  
1000-FOOT STATE GRID TICS ..... OREGON SOUTH ZONE  
UTM GRID DECLINATION ..... 1987 NORTH AMERICAN DATUM  
1987 MAGNETIC NORTH DECLINATION ..... 1987 WEST  
VERTICAL DATUM ..... NATIONAL GEODETIC VERTICAL DATUM OF 1985  
To place on the predicted North American Datum of 1983,  
move the projection lines as shown by dashed corner ticks  
( 23 meters north / 98 meters east )  
There may be private inholdings within the boundaries of any  
Federal and State Reservations shown on this map  
No distinction made between houses, barns, and other buildings

**PROVISIONAL MAP**  
Produced from original  
manuscript drawings. Infor-  
mation shown as of date of  
photography.

