Tsunami Sources Icosahedron Globe

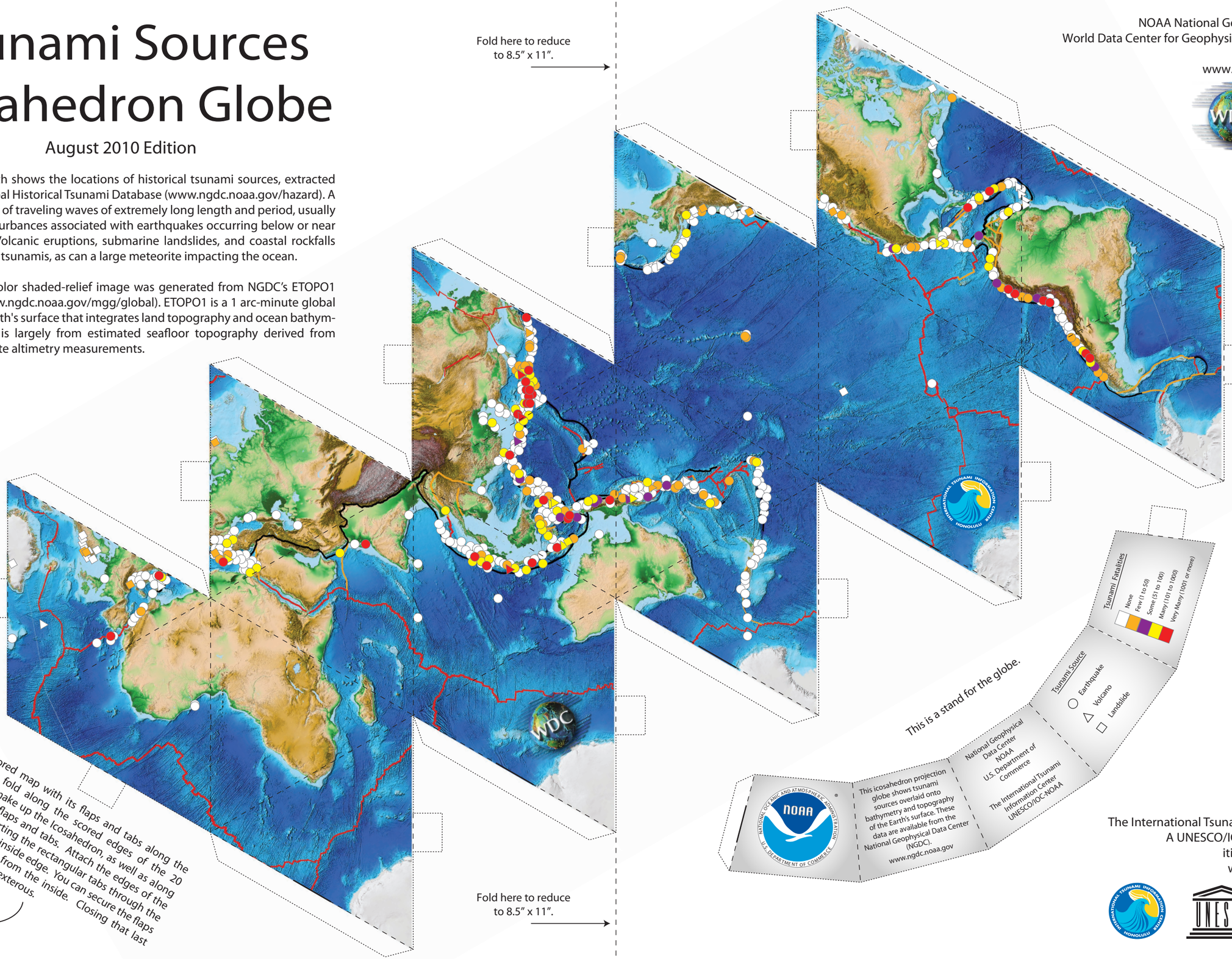
August 2010 Edition

This globe of Earth shows the locations of historical tsunami sources, extracted from NGDC's Global Historical Tsunami Database (www.ngdc.noaa.gov/hazard). A tsunami is a series of traveling waves of extremely long length and period, usually generated by disturbances associated with earthquakes occurring below or near the ocean floor. Volcanic eruptions, submarine landslides, and coastal rockfalls can also generate tsunamis, as can a large meteorite impacting the ocean.

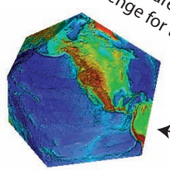
The underlying color shaded-relief image was generated from NGDC's ETOPO1 "Ice Surface" (www.ngdc.noaa.gov/mgg/global). ETOPO1 is a 1 arc-minute global relief model of Earth's surface that integrates land topography and ocean bathymetry. Bathymetry is largely from estimated seafloor topography derived from sea-surface satellite altimetry measurements.

Fold here to reduce to 8.5" x 11".

NOAA National Geophysical Data Center
World Data Center for Geophysics and Marine Geology
haz.info@noaa.gov
www.ngdc.noaa.gov/hazard



Punch out the colored map with its flaps and tabs along the perforations. Lightly fold along the scored edges of the 20 triangular facets that make up the Icosahedron, as well as along the inside edges of the flaps and tabs. Attach the edges of the adjacent triangles by inserting the rectangular tabs through the open slots along each flap's inside edge. You can secure the flaps and tabs with tape carefully from the inside. Closing that last triangle is a challenge for the dexterous.



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This is a stand for the globe.

Tsunami Fatalities
None
Few (1 to 50)
Some (51 to 100)
Many (101 to 1000)
Very Many (1001 or more)

Tsunami Source
Earthquake
Volcano
Landslide

This icosahedron projection globe shows tsunami sources overlaid onto bathymetry and topography of the Earth's surface. These data are available from the National Geophysical Data Center (NGDC).
www.ngdc.noaa.gov

National Geophysical Data Center
NOAA
U.S. Department of Commerce

The International Tsunami Information Center
UNESCO/IOC-NOAA

The International Tsunami Information Center
A UNESCO/IOC - NOAA Partnership
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