U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

SCALE 1:20,000,000 at the Equator

.2 .4 .8 1.6 2.4 3.2 4.0 4.8

Peak Ground Acceleration in m/sec**2

Seismic hazard is expressed as peak

ground acceleration (PGA) on firm

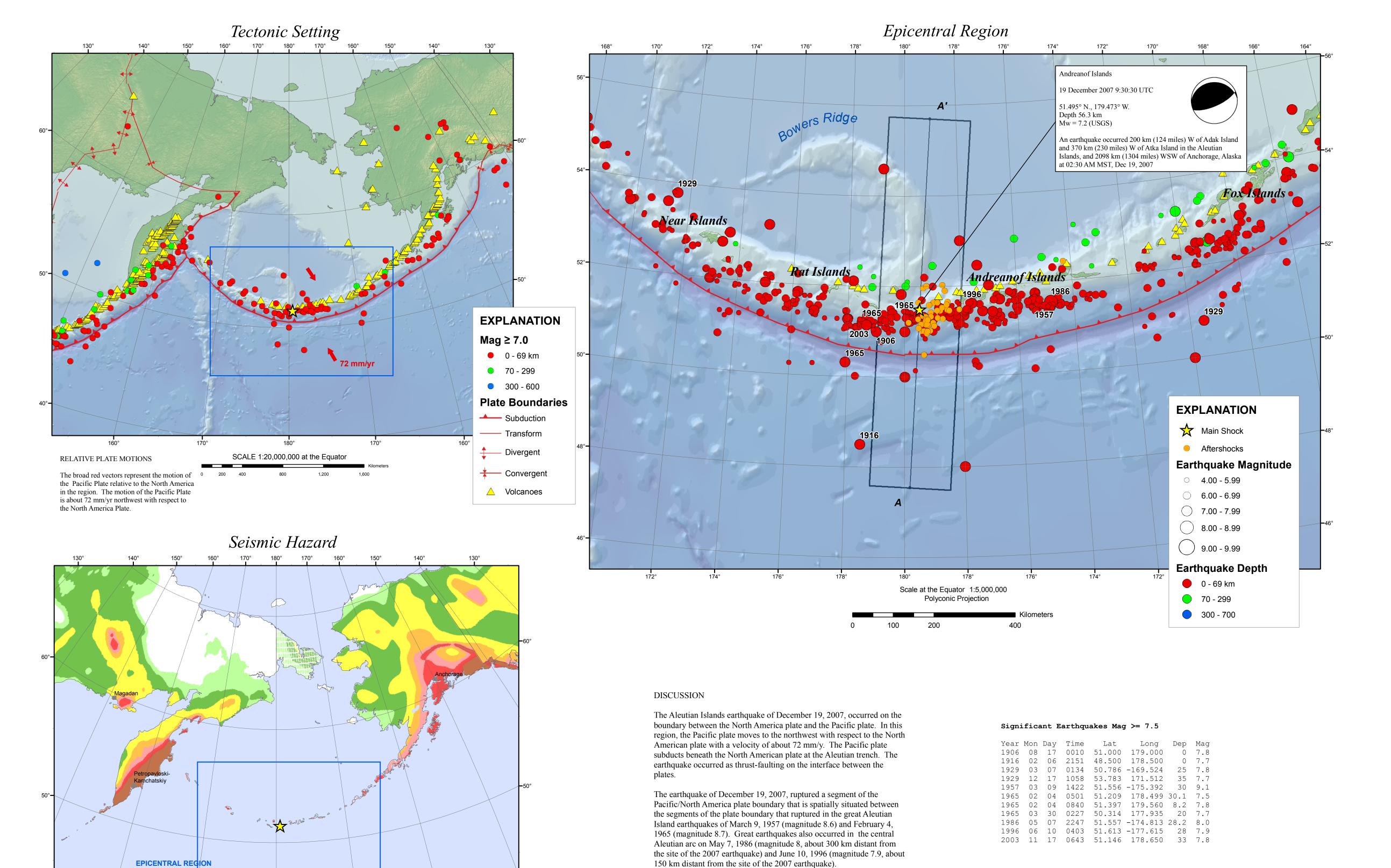
rock, in meters/sec2, expected to be

exceeded in a 50-yr period with a

probability of 10 percent.

M7.2 Andreanof (Aleutian Islands), Alaska Earthquakes of 19 December 2007





DISCLAIMER

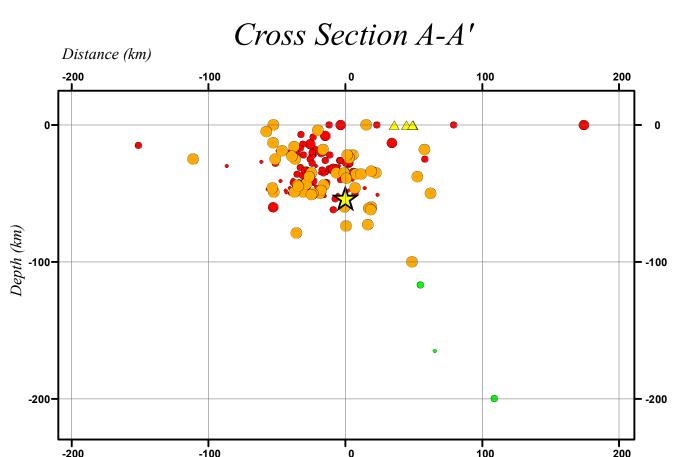
Base map data, such as place names and political

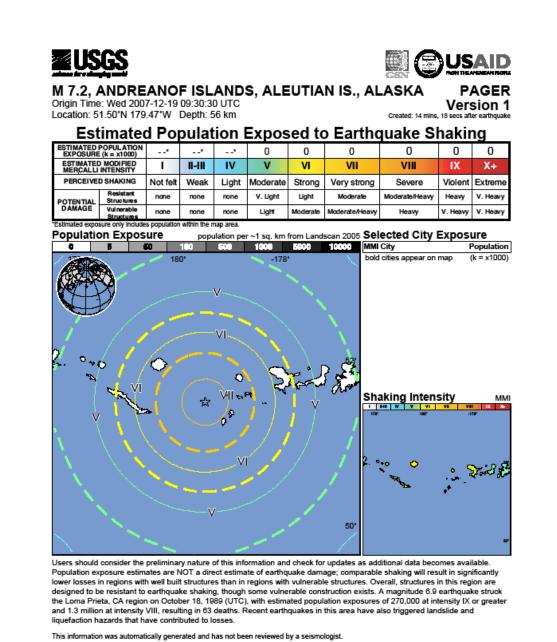
boundaries, are the best available but may not be

current or may contain inaccuracies and therefore

should not be regarded as having official significance.







DATA SOURCES

EARTHQUAKES AND SEISMIC HAZARD
USGS, National Earthquake Information Center
NOAA, National Geophysical Data Center
IASPEI, Centennial Catalog (1900 - 1999) and
extensions (Engdahl and Villaseñor, 2002)
HDF (unpublished earthquake catalog) (Engdahl, 2003)
Global Seismic Hazard Assessment Program

PLATE TECTONICS AND FAULT MODEL PB2002 (Bird, 2003)

BASE MAP
NIMA and ESRI, Digital Chart of the World
USGS, EROS Data Center

NOAA GEBCO and GLOBE Elevation Models

REFERENCES

http://earthquake.usgs.gov/pager

Bird, P., 2003, An updated digital model of plate boundaries: Geochem. Geophys. Geosyst., v. 4, no. 3, pp. 1027-80.

Engdahl, E.R. and Villaseñor, A., 2002, Global Seismicity: 1900 - 1999, chap. 41 of Lee, W.H.K., and others,eds., International Earthquake and Engineering Seismology, Part A: New York, N.Y., Elsevier Academeic Press, 932 p.

Engdahl, E.R., Van der Hilst, R.D., and Buland, R.P., 1998, Global teleseismic earthquake relocation with improved travel times and procedures for depth determination: Bull. Seism. Soc. Amer., v. 88, p. 722-743.

Map prepared by U.S. Geological Survey National Earthquake Information Center 13 September 2007 Map not approved for release by Director USGS

Event ID: us2007lcaq