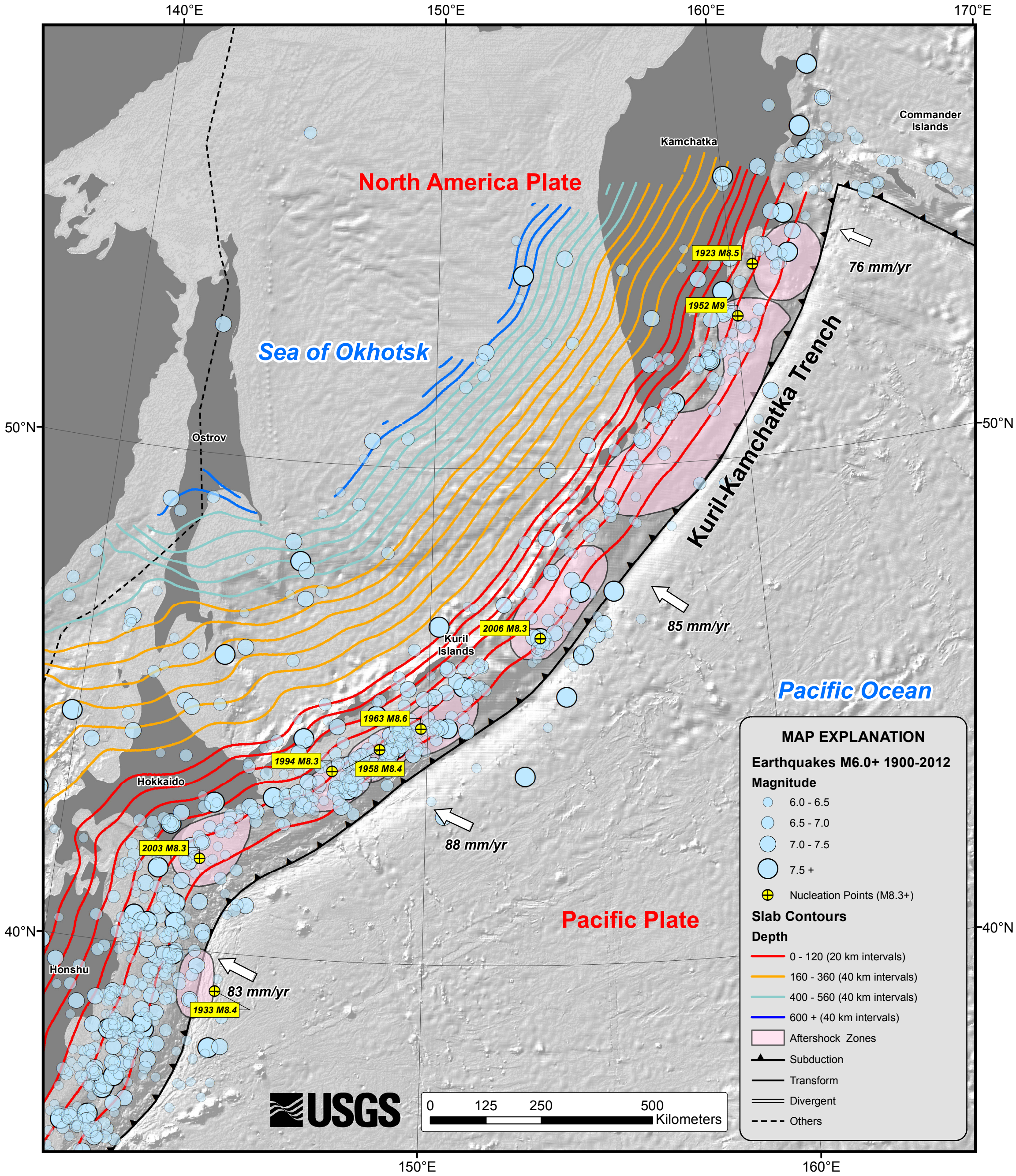
140°E
150°E
160°E
170°E
50°N
40°N
North America Plate
Sea of Okhotsk
Pacific Ocean
Pacific Plate
Kamchatka
Commander Islands
Ostrov
Kuril Islands
Hokkaido
Honshu
Kuril-Kamchatka Trench
76 mm/yr
85 mm/yr
88 mm/yr
83 mm/yr
1923 M8.5
1952 M9
2006 M8.3
1963 M8.6
1994 M8.3
1958 M8.4
2003 M8.3
1933 M8.4
USGS
0 125 250 500 Kilometers
MAP EXPLANATION
Earthquakes M6.0+ 1900-2012
Magnitude
6.0 - 6.5
6.5 - 7.0
7.0 - 7.5
7.5 +
Nucleation Points (M8.3+)
Slab Contours
Depth
0 - 120 (20 km intervals)
160 - 360 (40 km intervals)
400 - 560 (40 km intervals)
600 + (40 km intervals)
Aftershock Zones
Subduction
Transform
Divergent
Others