



Cocos Plate

58-mm/yr

65 mm/yr

71 mm/yr

73 mm/yr

74 mm/yr

Nazca Plate

Pacific Ocean

Antarctica Plate

Peru Basin

Chile Basin

Peru-Chile Trench

South American Plate

1906 M8.5

2001 M8.4

1922 M8.7

2010 M8.8

1960 M9.5

MAP EXPLANATION

Earthquakes M6.5+ 1900-2014

Magnitude

- 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)

- Rupture Zones
- Aftershock Zones

- Subduction
- Transform
- Divergent
- Others

