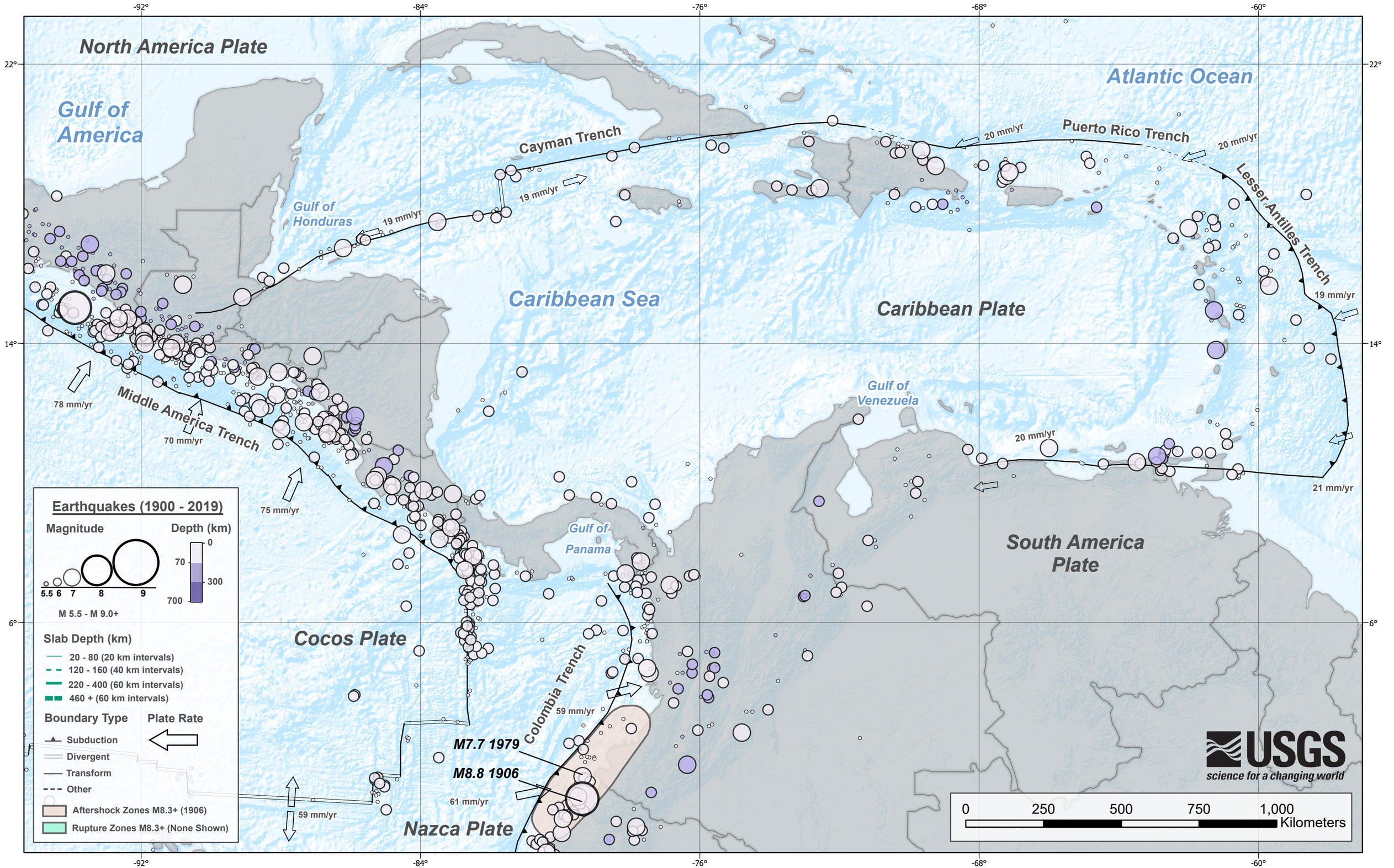

North America Plate
Gulf of America
Gulf of Honduras
Caribbean Sea
Caribbean Plate
Atlantic Ocean
Cayman Trench
19 mm/yr
19 mm/yr
Puerto Rico Trench
20 mm/yr
20 mm/yr
Lesser Antilles Trench
19 mm/yr
Gulf of Venezuela
20 mm/yr
21 mm/yr
78 mm/yr
Middle America Trench
70 mm/yr
75 mm/yr
Gulf of Panama
South America Plate
Cocos Plate
Colombia Trench
59 mm/yr
M7.7 1979
M8.8 1906
61 mm/yr
59 mm/yr
Nazca Plate
Earthquakes (1900 - 2019)
Magnitude
5.5 6 7 8 9
M 5.5 - M 9.0+
Depth (km)
0
70
300
700
Slab Depth (km)
20 - 80 (20 km intervals)
120 - 160 (40 km intervals)
220 - 400 (60 km intervals)
460 + (60 km intervals)
Boundary Type
Subduction
Divergent
Transform
Other
Plate Rate
Aftershock Zones M8.3+ (1906)
Rupture Zones M8.3+ (None Shown)
USGS
science for a changing world
0 250 500 750 1,000
Kilometers
-92°
-84°
-76°
-68°
-60°
22°
14°
6°