April 16, 2016 Ecuador Earthquake
EERI Learning from Earthquakes Briefing Webinar

Intro to Ecuador Earthquake Reconnaissance Trip
Forrest Lanning, Team Leader
Location

Ecuador
Topography of Ecuador

- Straddles the Andes
- Elevations range from 6,263m (20,549 ft) to sealevel
- Large coastal lowlands with small coastal mountain range interfacing with the sea.
Seismicity of Ecuador

![Map of seismic activity in Ecuador showing the Cocos Plate, South American Plate, and Nazca Plate. The map indicates the direction and rate of plate movement.](image)
Typical aspects of construction

Typical aspects of construction seen in the Manabi Province:

- reinforced concrete frame with masonry infill
- hollow clay brick masonry
- most all partition walls are unreinforced hollow clay masonry.
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7.8 MW struck at on Saturday the 16th of April at 23:58 (UTC) – 6:58pm Local time
LFE Ecuador Reconnaissance Team

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Affected Area and Manabí Province

- Manta
- Bahia
- Canoa
- Chone
- Calceta
- Portoviejo