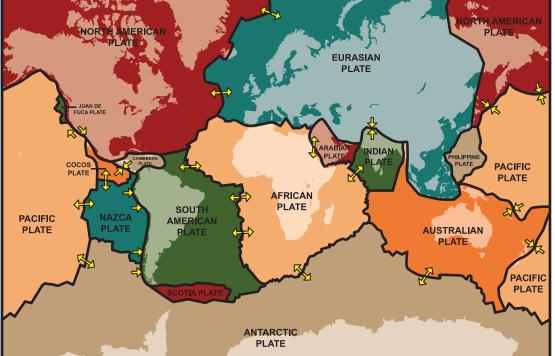


Georgetown **VENEZUELA** Medellín Paramaribo French Guiana COLOMBIA ECUADOR Guayaqui Teresina . Pôrto Velho **PERU** BRAZIL Salvador **BOLIVIA ★**Brasilia Uberlândia Relo Campo Grande Horizonte PARAGÙAY Antofagast Isla San Felíx San Miguel Isla San Ambrosio orianópoli **CHILE** Córdoba Valparaiso Mendoza JRUGUAY Santia ARCHIPIÉLAGO JUAN FERNÁNDEZ (CHILE) **Buenos Aires** Montevideo **ARGENTINA** Concepción Valdivi Comodoro Falkland Islands

Chile:

The western coast of the South American continent is right on the boundary between the South American and Nazca tectonic plates.

Consequently, a lot of earthquake activity occurs along this coastline. There are many historical accounts of major earthquakes. The largest recorded earthquake (9.5 magnitude) occurred in Valdivia in 1960.



Major Earthquake Event in Chile

Date: 27th February 2010

Magnitude: 8.8

Depth: 30km

Latitude: 35.89 S

Longitude: 73.04 W

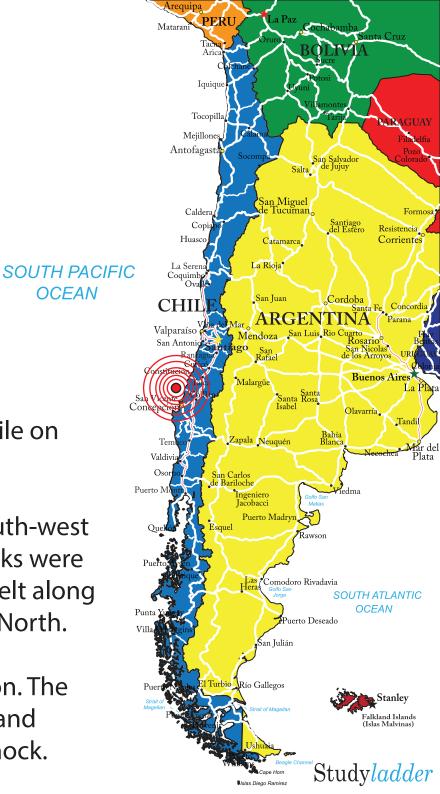
Location: (off shore) Maule Region, Chile

Most Affected City: Concepcion

A major earthquake struck the Maule/Bio-Bio regions of Chile on Saturday 27th of February, 2010 at 3.34am (local time).

The epicentre of the earthquake was 325km (200 miles) south-west of Santiago at a depth of 35 km (22 miles). Eleven aftershocks were detected in the 2 $\frac{1}{2}$ hours following the quake. They were felt along the coast as far as Valdivia in the South to Valparaiso in the North.

The quake triggered a tsunami warning for the Pacific region. The first wave hit the Chilean coast 20 minutes after the quake and destructive waves arrived $2\frac{1}{2} - 4\frac{1}{2}$ hours after the main shock.









The building above doesn't appear to have sustained much damage at first glance. However, serious structural damage occurred, which can be seen in the picture on the right.

The earthquake and tsunami destroyed 81 000 homes and severely damaged 109 000 houses. It affected 1.8 million people.

The total cost of damages for this earthquake was estimated at US\$30 billion.

