

M 5.5, TAIWAN REGION

Origin Time: Sun 2015-11-01 21:09:40 UTC (21:09:40 local)

Location: 22.75°N 121.66°E Depth: 7 km

PAGER
Version 5

Created: 7 weeks, 1 day after earthquake

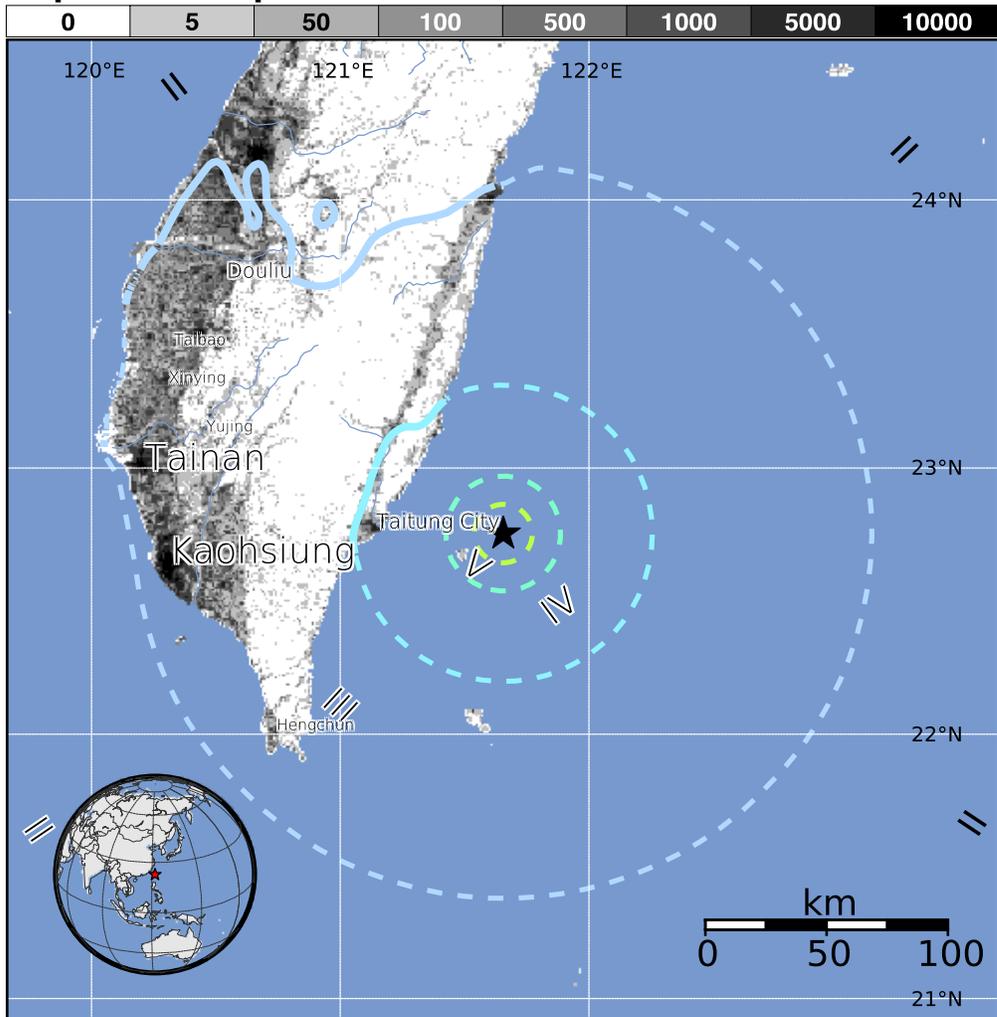


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	12,342k	211k	2k	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	none	none	none	V. Light	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy
	Vulnerable Structures	none	none	none	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures:

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though some vulnerable structures exist.

Historical Earthquakes (with MMI levels):

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1983-09-21	163	6.4	V(15k)	0
2000-05-17	160	5.4	VII(94)	3
1999-09-20	128	7.6	IX(1,952k)	2k

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Taitung	< 1k
IV	Taitung City	111k
III	Pingtung	< 1k
III	Fengshan	< 1k
III	Hengchun	31k
III	Hualian	350k
III	Kaohsiung	1,520k
III	Tainan	771k
III	Douliu	105k
III	Taichung	1,041k
II	Nantou	106k

bold cities appear on map

(k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<http://earthquake.usgs.gov/pager>

Event ID: us2000417s