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Earthquake Shaking **Green Alert**

GSN ANSS USAID FROM THE AMERICAN PEOPLE

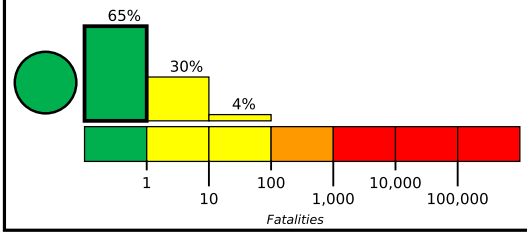
M 5.5, 13 km S of Marmaris, Turkey

Origin Time: 2020-06-28 17:43:28 UTC (Sun 20:43:28 local)
Location: 36.7307° N 28.2514° E Depth: 62.3 km

PAGER Version 7

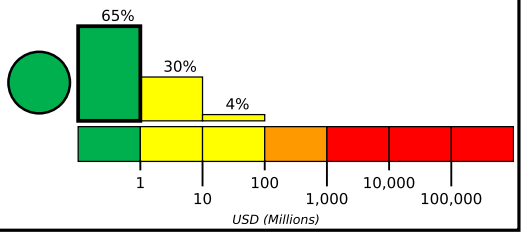
Created: 1 day, 0 hours after earthquake

Estimated Fatalities



Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses



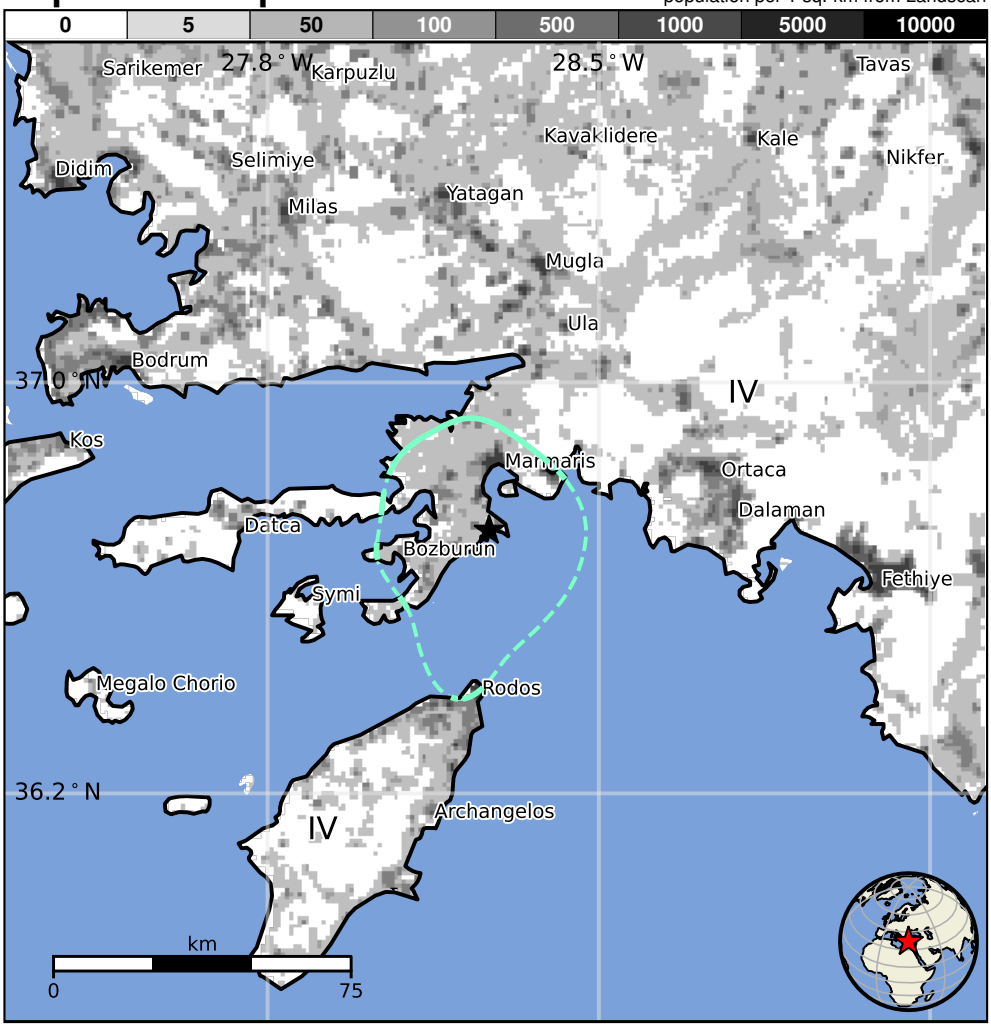
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		–*	1k*	1,224k	150k	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	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure

population per 1 sq. km from Landscan



Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are adobe block and dressed stone/block masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2002-01-21	213	4.8	VI(97k)	1
1974-02-01	219	5.4	VII(2k)	2
1970-03-28	294	6.9	IX(66k)	1k

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
V	**Marmaris**	**34k**
V	**Bozburun**	**<1k**
V	Ialysos	11k
V	**Rodos**	**56k**
V	Kremasti	5k
IV	**Datca**	**10k**
IV	**Mugla**	**48k**
IV	**Milas**	**43k**
IV	**Bodrum**	**39k**
IV	**Didim**	**26k**
IV	**Fethiye**	**60k**

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.

https://earthquake.usgs.gov/earthquakes/eventpage/us7000adtk#pager

Event ID: us7000adtk