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Earthquake Shaking Green Alert

GSN ANSS USAID FROM THE AMERICAN PEOPLE

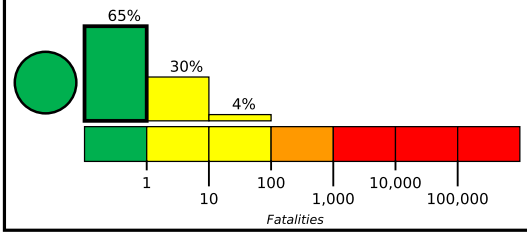
M 5.4, 11 km SSE of zalp, Turkey

Origin Time: 2020-06-25 10:03:31 UTC (Thu 13:03:31 local)
Location: 38.5583° N 44.0232° E Depth: 10.0 km

PAGER Version 3

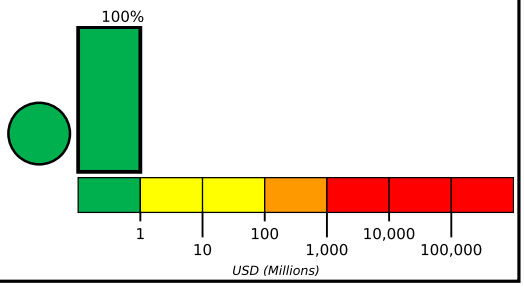
Created: 2 hours, 1 minute after earthquake

Estimated Fatalities



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

Estimated Economic Losses



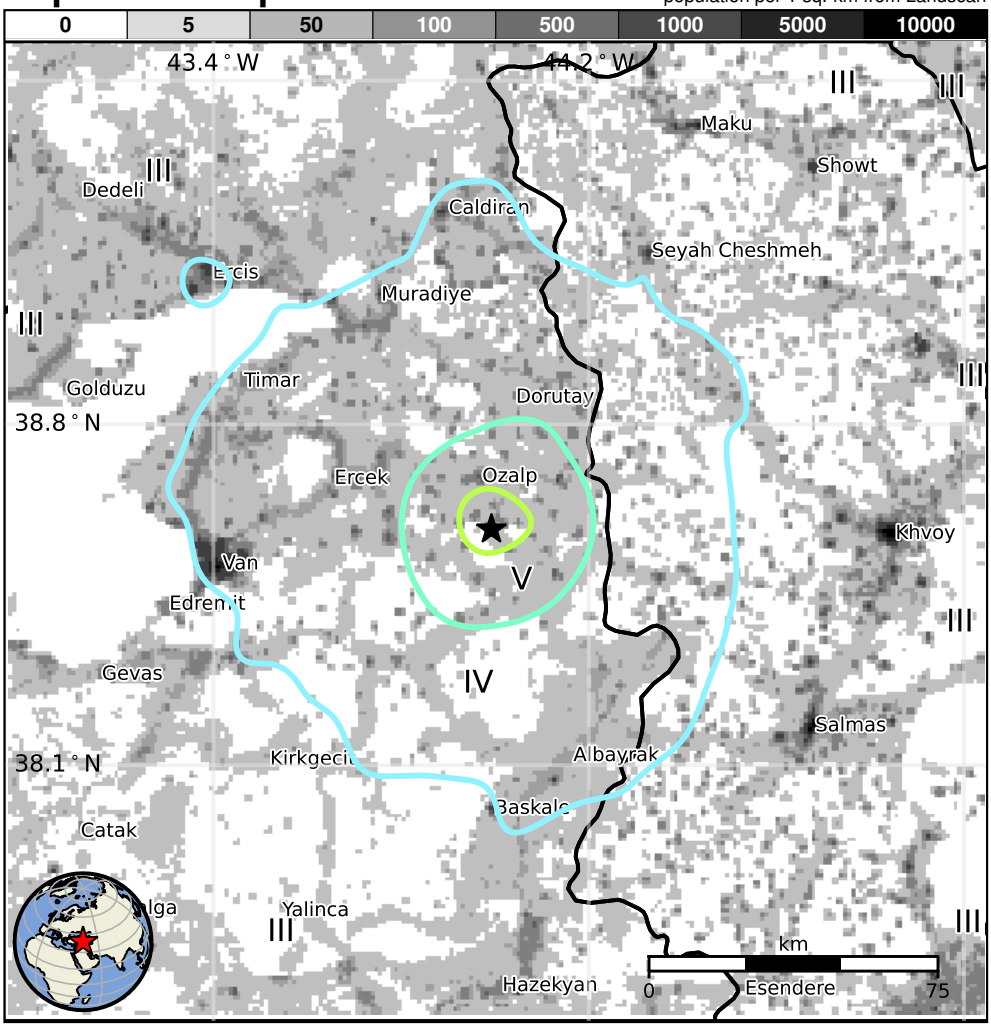
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		–*	1,251k*	947k	44k	13k	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
2004-07-30	126	4.8	VI(2k)	1
1976-03-25	280	4.8	VI(1k)	1
1988-12-07	262	6.7	IX(50k)	25k

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	**Ozalp**	**8k**
V	Saray	<1k
IV	**Dorutay**	**<1k**
IV	**Ercek**	**<1k**
IV	Guzelsu	<1k
IV	**Muradiye**	**<1k**
IV	**Van**	**372k**
IV	**Ercis**	**92k**
IV	**Salmas**	**82k**
III	**Khvoy**	**175k**
III	Qarah Zia' od Din	32k

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/us7000aavx#pager

Event ID: us7000aavx