Earthquake Shaking Green Alert

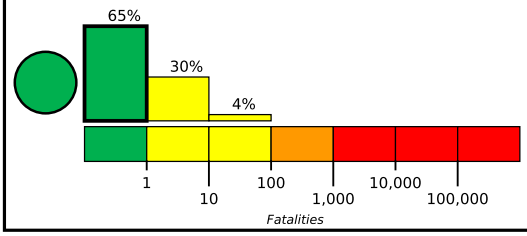
M 5.5, Central Turkey

Origin Time: 2023-07-25 05:44:50 UTC (Tue 08:44:50 local)
Location: 37.5831° N 35.9568° E Depth: 10.0 km

PAGER Version 3

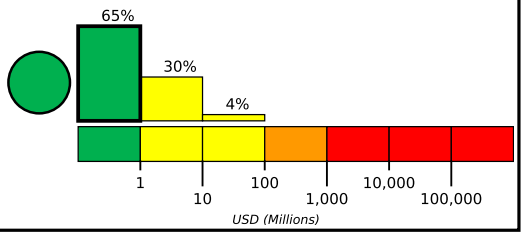
Created: 2 hours, 4 minutes after earthquake

Estimated Fatalities



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

Estimated Economic Losses



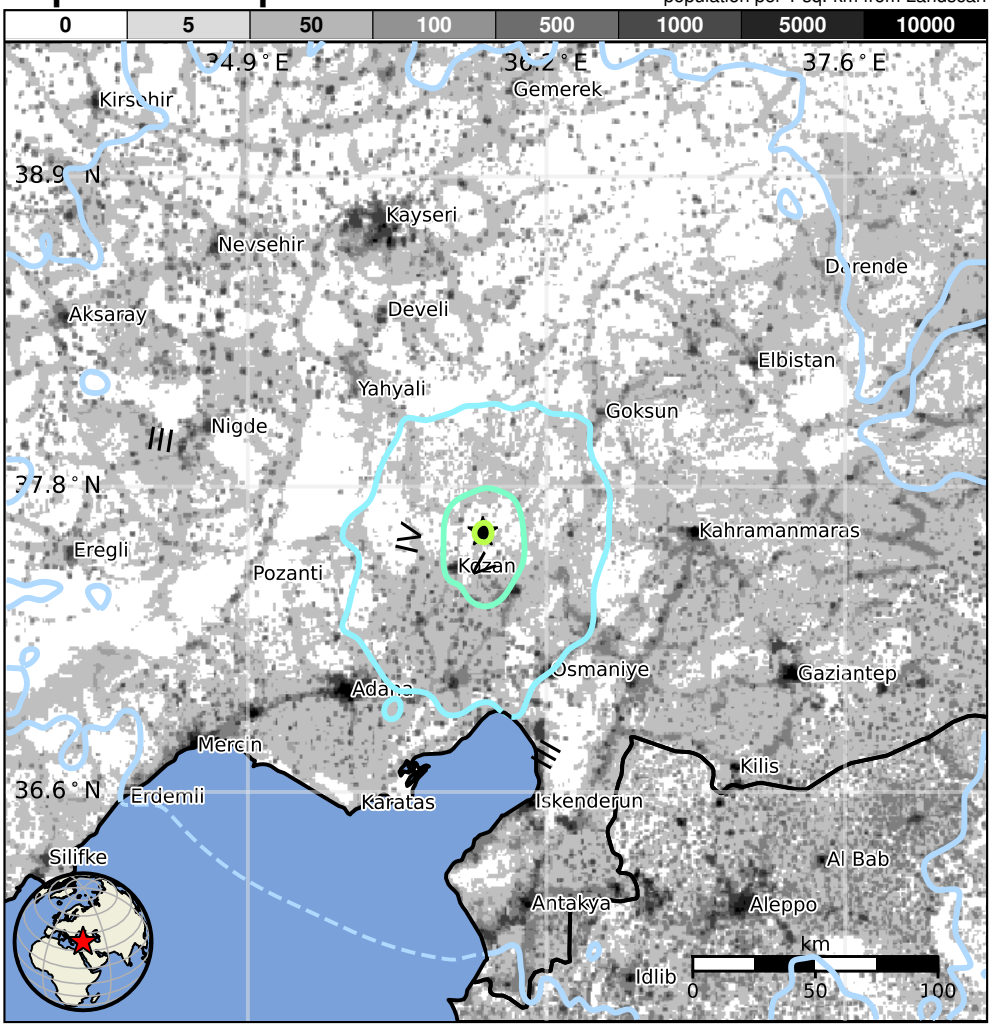
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		–*	17,635k	2,180k	128k	1k	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
2004-03-01	210	3.8	IV(7k)	6
1986-06-06	178	5.8	VII(86k)	1
1992-03-13	397	6.6	IX(151k)	498

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

Selected City Exposure

from GeNames.org

MMI	City	Population
V	Sumbas	<1k
V	**Kozan**	**88k**
IV	Kadirli	70k
IV	Tepecikoren	<1k
IV	Kosreli	<1k
IV	Feke	5k
IV	**Adana**	**1,249k**
III	**Kayseri**	**593k**
III	**Mercin**	**538k**
III	**Gaziantep**	**1,066k**
III	**Aleppo**	**1,602k**

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/us7000ki5u#pager

Event ID: us7000ki5u