

M 3.7, 4.0 km (2.5 mi) NNE of Cromberg, CA

Origin Time: Sun 2009-08-09 11:07:08 UTC

Location: 39.90°N 120.68°W Depth: 65 km

PAGER Version 4

Created: 1 hrs, 18 mins after earthquake

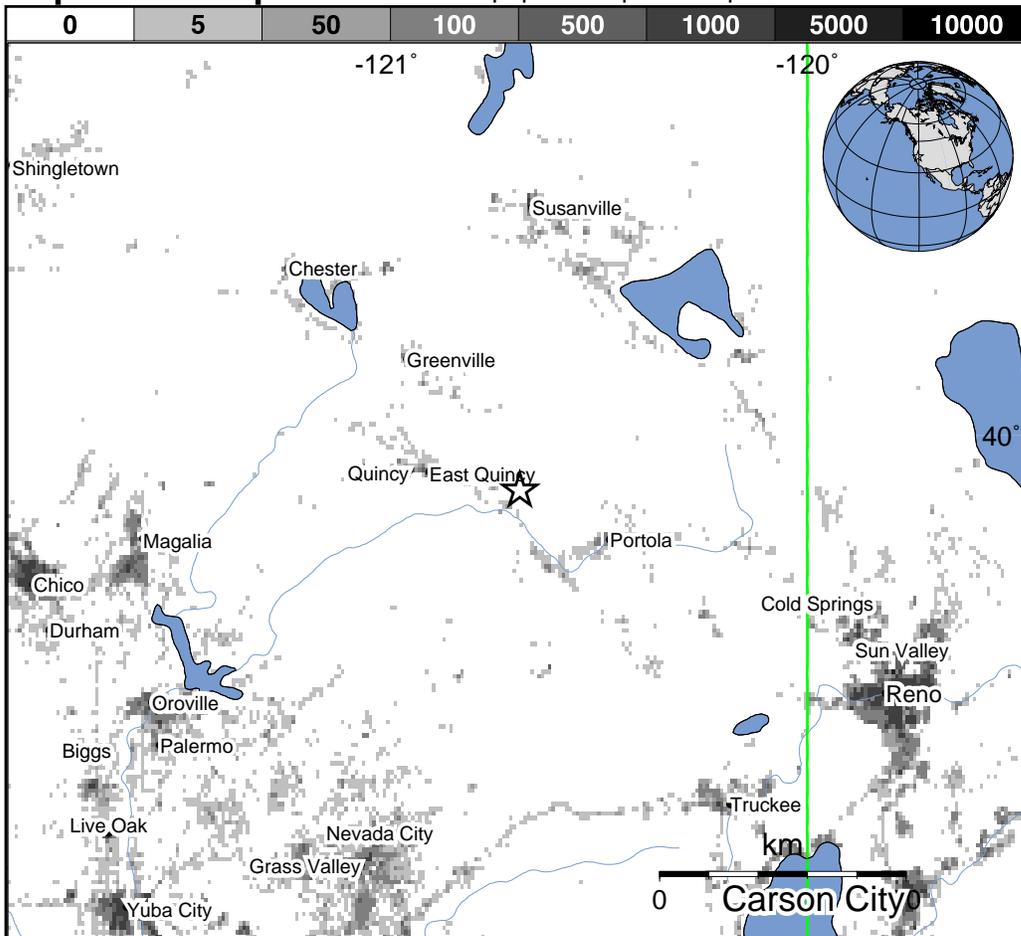
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		1,008k*	0	0	0	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

population per ~1 sq. km from Landsat 2006

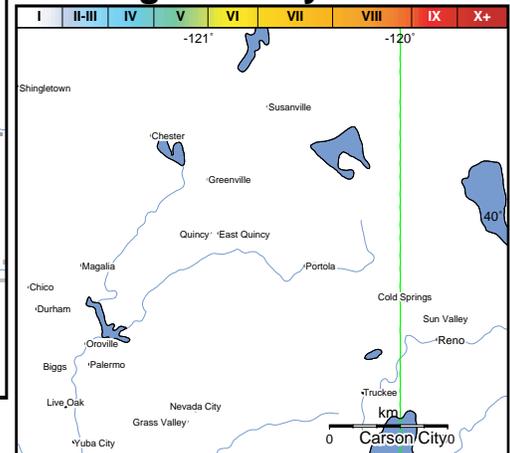


Selected City Exposure

MMI City	Population
I Reno	202k
I Sparks	84k
I Chico	70k
I Carson City	57k
I Yuba City	52k
I Paradise	26k
I Sun Valley	24k
I Susanville	17k
I Truckee	15k
I South Yuba City	15k
I Linda	13k

bold cities appear on map (k = x1000)

Shaking Intensity



Population exposure estimates are NOT a direct estimate of earthquake damage; comparable shaking will result in significantly lower losses in regions with well built structures than in regions with vulnerable structures. Overall, the population in this region resides in structures that are resistant to earthquake shaking, though some vulnerable structures exist.