

## InLET Run results

InLET (Internet-based Loss Estimation Tool) is a web-based loss estimation modeling platform used to perform rapid assessment of the impact of earthquake disaster in California.

InLET performs loss/impact simulations using USGS earthquake ground motion data and FEMA HAZUS damage estimation technology. The damage and loss values generated are only approximations of the impacts caused by an earthquake in the affected region. In the case of an actual earthquake event, the damage and losses could be different.

Results are appropriate for planning purposes and for early-post event response only, when more detailed data is not available.

To login into the online demo, go to:

inlet.csntoday.org/demo  
Username: demo@imagecatinc.com  
Password: demo4INLET

Results for the Napa Valley quake can be accessed by going to the earthquake impacts menu and selecting actual event. The event is 72282711 on the right hand pane.

### Event

<b>USGS event_id</b>	72282711
<b>USGS shakemap_id</b>	72282711
<b>shakemap_version</b>	13
<b>process_timestamp</b>	2014-08-24T16:21:29Z
<b>shakemap_originator</b>	nc
<b>map_status</b>	RELEASED
<b>shakemap_event_type</b>	ACTUAL
<b>magnitude</b>	6
<b>depth</b>	10.7
<b>lat</b>	38.2153
<b>lon</b>	-122.318
<b>event_timestamp</b>	2014-08-24T10:20:44UTC
<b>event_description</b>	6.7 km (4.2 mi) NW of American Canyon, CA

### Summary

State	Description	Total Estimate
Slight Building Damage	Following can be observedSmall cracks at corners of door and window openings and wall-ceiling intersections Small cracks in masonry chimneys and masonry veneer	41,992

	Steel buildings exhibit minor deformation in bolted connections	
Moderate Building Damage	Following can be observed Large cracks at corners of door and window openings; Small diagonal cracks across shear wall panels Toppling of tall masonry chimneys	4,049
Extensive Building Damage	Steel buildings exhibit cracked welds and broken bolts Masonry buildings exhibit diagonal cracks in wall surfaces Following can be observed Large diagonal cracks across shear wall panels or nonductile elements Permanent lateral movement of floors and roof; Toppling of most brick chimneys; Cracks in foundations; Partial collapse of 'room-over-garage' or other 'softstory' configurations; Steel buildings may exhibit permanent deformation of the structure Masonry buildings suffers extensive cracking in most walls	256
Complete Building Damage	Following can be observed Large permanent lateral displacement Structure may collapse, or be in imminent danger of collapse Some structures may slip and fall off the foundations; Large foundation cracks	21

#### By Sector breakdown

Sector	Slight Damage	Moderate Damage	Extensive Damage	Complete Damage
Entertainment	3	2	1	0
Finance	4	1	0	0
Industry and Manufacturing	31	25	10	2
Professional Services	31	15	4	1
Residential	41896	3990	235	16
Retail and Commercial	24	16	6	2

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 inlet.csntoday.org/demo

**INLET**  
 The Internet-based Loss Estimation Tool

Simulate Event Earthquake Impacts Current Event USGS feed Map Options Tools Help

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Current Event - 6.7 km (4.2 mi) NW of American Canyon, CA

**Scenario Defined**

Scenario	6.7 km (4.2 mi) NW of American Canyon, CA
Epicenter Longitude	-122.3178
Epicenter Latitude	38.2153
Magnitude	6
Depth	10.7 (mi)
Event occurred	Aug 24 2014, 09:08AM

**Number of Damaged Buildings**

Total	
Slight	41,992
Moderate	4,049
Extensive	256
Complete	21

**Injuries and Casualties**

I - Basic Medical Aid	215
II - Requires Medical Technology	71
III - Life threatening	5
IV - Mortally Injured	5

**Bridge Damage**

Damage Level	Number of Bridges
None	3,203

Result loaded Successfully

**Ground Shaking: Instrumental Intensity**

I II III IV V VI VII VIII IX X+

Map overlay opacity: [ ]

Map Zoom Level: [ ]

## About CSN

Community Stakeholder Network (CSN) is a Homeland Security Advisory Council decision making tool designed to digest raw data and transform it into business intelligence. CSN facilitates information sharing within and across sectors in order to provide timely and beneficial situational awareness. **CSN offers its users exclusive access to earthquake Modeling and Event Analysis through InLET.**

For assistance with accessing CSN please call

Brian Carlson  
 CSN Chief Technology Officer  
 909.225.4420  
[briancarlson@itcrisis.com](mailto:briancarlson@itcrisis.com)

<http://hsacouncil.org/Programs/CSN/Pages/csnpage.aspx>

## About ImageCat

ImageCat is an international risk management innovation company supporting the global risk and catastrophe management needs of the insurance industry, governments and NGOs. As a leading provider of risk and disaster management technologies, ImageCat is highly regarded for cutting-edge products, services, and R&D activities, targeting decision support needs at all phases of the disaster management cycle.

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