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## Hazus: Earthquake Global Risk Report

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**Region Name:** NSASAOSANSAPSAS

**Earthquake Scenario:** nsanandreassaosansap\_m8p04\_se

**Print Date:** June 10, 2024

**Disclaimer:**

*Totals only reflect data for those census tracts/blocks included in the user's study region.*

*The estimates of social and economic impacts contained in this report were produced using Hazus loss estimation methodology software which is based on current scientific and engineering knowledge. There are uncertainties inherent in any loss estimation technique. Therefore, there may be significant differences between the modeled results contained in this report and the actual social and economic losses following a specific earthquake. These results can be improved by using enhanced inventory, geotechnical, and observed ground motion data.*

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## General Description of the Region

Hazus-MH is a regional earthquake loss estimation model that was developed by the Federal Emergency Management Agency (FEMA) and the National Institute of Building Sciences. The primary purpose of Hazus is to provide a methodology and software application to develop multi-hazard losses at a regional scale. These loss estimates would be used primarily by local, state and regional officials to plan and stimulate efforts to reduce risks from multi-hazards and to prepare for emergency response and recovery.

The earthquake loss estimates provided in this report was based on a region that includes 50 county(ies) from the following state(s):

California

Note:

Appendix A contains a complete listing of the counties contained in the region.

The geographical size of the region is 111,181.89 square miles and contains 4,045 census tracts. There are over 6,055 thousand households in the region which has a total population of 17,406,507 people. The distribution of population by Total Region and County is provided in Appendix B.

There are an estimated 5,489 thousand buildings in the region with a total building replacement value (excluding contents) of (millions of dollars). Approximately 90.00 % of the buildings (and % of the building value) are associated with residential housing.

The replacement value of the transportation and utility lifeline systems is estimated to be 304,791 and 260,102 (millions of dollars) , respectively.

## Building and Lifeline Inventory

### Building Inventory

Hazus estimates that there are 5,489 thousand buildings in the region which have an aggregate total replacement value of (millions of dollars) . Appendix B provides a general distribution of the building value by Total Region and County.

In terms of building construction types found in the region, wood frame construction makes up 86% of the building inventory. The remaining percentage is distributed between the other general building types.

### Critical Facility Inventory

Hazus breaks critical facilities into two (2) groups: essential facilities and high potential loss facilities (HPL). Essential facilities include hospitals, medical clinics, schools, fire stations, police stations and emergency operations facilities. High potential loss facilities include dams, levees, military installations, nuclear power plants and hazardous material sites.

For essential facilities, there are 317 hospitals in the region with a total bed capacity of 45,230 beds. There are 6,710 schools, 1,979 fire stations, 638 police stations and 110 emergency operation facilities. With respect to high potential loss facilities (HPL), there are no dams identified within the inventory. The inventory also includes no hazardous material sites, no military installations and no nuclear power plants.

### Transportation and Utility Lifeline Inventory

Within Hazus, the lifeline inventory is divided between transportation and utility lifeline systems. There are seven (7) transportation systems that include highways, railways, light rail, bus, ports, ferry and airports. There are six (6) utility systems that include potable water, wastewater, natural gas, crude & refined oil, electric power and communications. The lifeline inventory data are provided in Tables 1 and 2.

The total value of the lifeline inventory is over 564,893.00 (millions of dollars). This inventory includes over 16,073.63 miles of highways, 15,824 bridges, 389,334.29 miles of pipes.

**Table 1: Transportation System Lifeline Inventory**

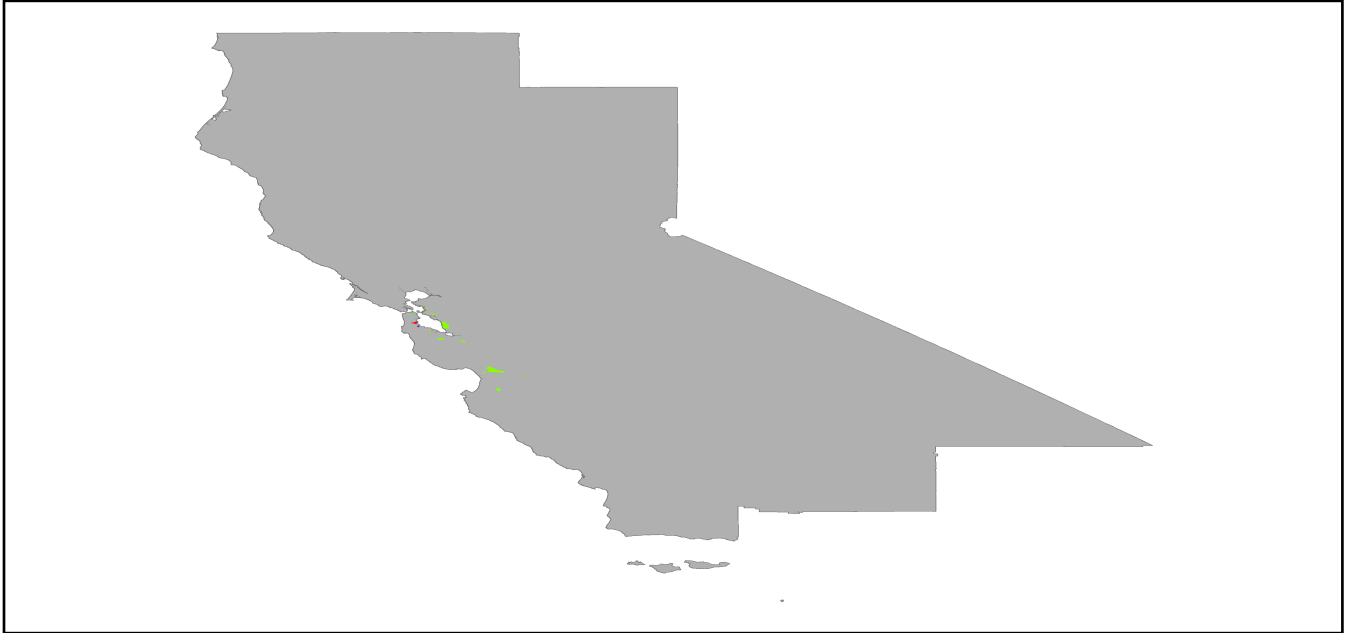
System	Component	# Locations/ # Segments	Replacement value (millions of dollars)
<b>Highway</b>	Bridges	15,824	68414.5214
	Segments	8,763	131887.0973
	Tunnels	56	1054.8966
	<b>Subtotal</b>		<b>201356.5153</b>
<b>Railways</b>	Bridges	2,380	13542.2000
	Facilities	103	274.2890
	Segments	4,050	72698.8109
	Tunnels	3	1.8495
	<b>Subtotal</b>		<b>86517.1494</b>
<b>Light Rail</b>	Bridges	112	15.3529
	Facilities	255	4154.0000
	Segments	15	5403.2756
	Tunnels	0	0.0000
	<b>Subtotal</b>		<b>9572.6285</b>
<b>Bus</b>	Facilities	68	152.6394
	<b>Subtotal</b>		<b>152.6394</b>
<b>Ferry</b>	Facilities	28	37.2680
	<b>Subtotal</b>		<b>37.2680</b>
<b>Port</b>	Facilities	402	1532.3616
	<b>Subtotal</b>		<b>1532.3616</b>
<b>Airport</b>	Facilities	195	3385.7176
	Runways	258	2237.0452
	<b>Subtotal</b>		<b>5622.7628</b>
		<b>Total</b>	<b>304,791.30</b>

**Table 2: Utility System Lifeline Inventory**

System	Component	# Locations / Segments	Replacement value (millions of dollars)
<b>Potable Water</b>	Distribution Lines	NA	7750.5505
	Facilities	31	1218.1140
	Pipelines	0	0.0000
		<b>Subtotal</b>	<b>8968.6645</b>
<b>Waste Water</b>	Distribution Lines	NA	4650.3303
	Facilities	234	40236.7212
	Pipelines	0	0.0000
		<b>Subtotal</b>	<b>44887.0515</b>
<b>Natural Gas</b>	Distribution Lines	NA	3100.2202
	Facilities	21	829.4518
	Pipelines	1,193	22997.0652
		<b>Subtotal</b>	<b>26926.7372</b>
<b>Oil Systems</b>	Facilities	35	4.1300
	Pipelines	0	0.0000
		<b>Subtotal</b>	<b>4.1300</b>
<b>Electrical Power</b>	Facilities	655	179237.9993
		<b>Subtotal</b>	<b>179237.9993</b>
<b>Communication</b>	Facilities	663	78.2340
		<b>Subtotal</b>	<b>78.2340</b>
	<b>Total</b>		<b>260,102.80</b>

## Earthquake Scenario

Hazus uses the following set of information to define the earthquake parameters used for the earthquake loss estimate provided in this report.



<b>Scenario Name</b>	nsanandreassaosansap_m8p04_se
<b>Type of Earthquake</b>	User-defined
<b>Fault Name</b>	NA
<b>Historical Epicenter ID #</b>	NA
<b>Probabilistic Return Period</b>	NA
<b>Longitude of Epicenter</b>	NA
<b>Latitude of Epicenter</b>	NA
<b>Earthquake Magnitude</b>	8.04
<b>Depth (km)</b>	NA
<b>Rupture Length (Km)</b>	NA
<b>Rupture Orientation (degrees)</b>	NA
<b>Attenuation Function</b>	NA

## Direct Earthquake Damage

### Building Damage

Hazus estimates that about 308,678 buildings will be at least moderately damaged. This is over 6.00 % of the buildings in the region. There are an estimated 23,490 buildings that will be damaged beyond repair. The definition of the 'damage states' is provided in Volume 1: Chapter 5 of the Hazus technical manual. Table 3 below summarizes the expected damage by general occupancy for the buildings in the region. Table 4 below summarizes the expected damage by general building type.

### Damage Categories by General Occupancy Type

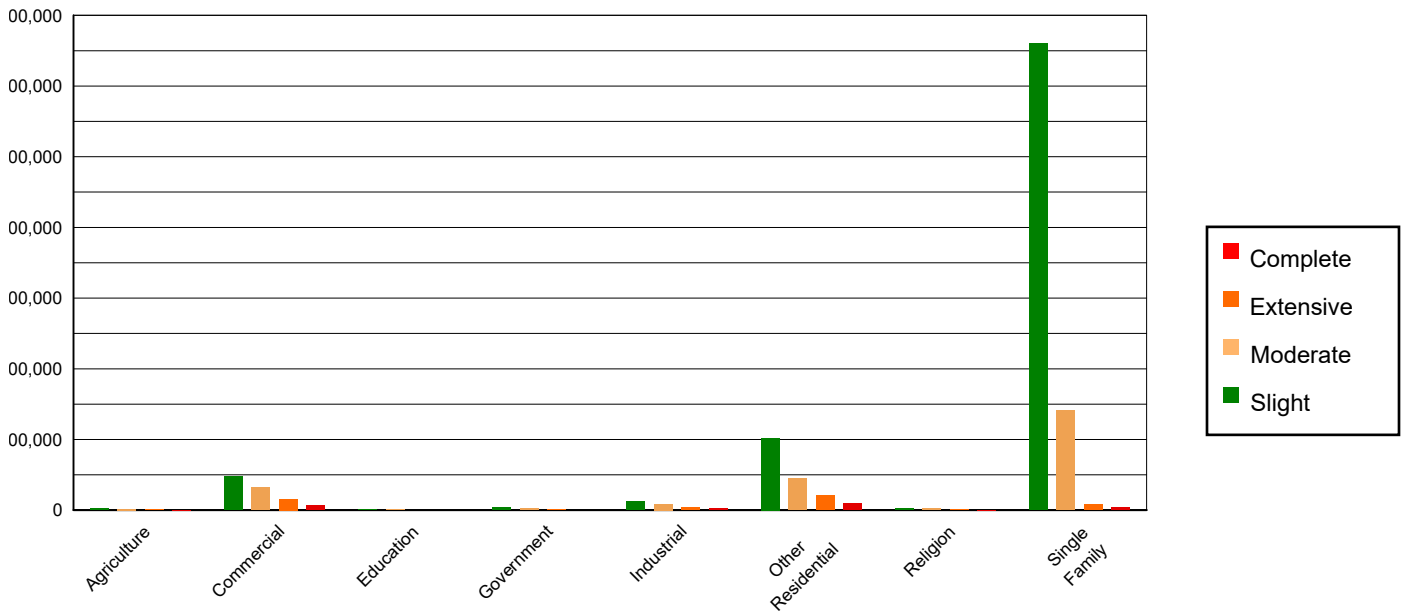


Table 3: Expected Building Damage by Occupancy

	None		Slight		Moderate		Extensive		Complete	
	Count	(%)	Count	(%)	Count	(%)	Count	(%)	Count	(%)
<b>Agriculture</b>	37323.44	0.86	2616.11	0.31	1654.11	0.71	685.20	1.34	297.14	1.26
<b>Commercial</b>	250316.12	5.76	47454.13	5.70	32443.82	13.87	15647.15	30.52	7122.77	30.32
<b>Education</b>	9051.90	0.21	1203.85	0.14	534.92	0.23	190.67	0.37	117.66	0.50
<b>Government</b>	17311.78	0.40	4010.34	0.48	2033.35	0.87	521.91	1.02	161.62	0.69
<b>Industrial</b>	69835.48	1.61	12754.06	1.53	8802.41	3.76	4142.03	8.08	1794.01	7.64
<b>Other Residential</b>	569979.78	13.11	102309.68	12.28	45270.66	19.35	20918.48	40.80	9668.40	41.16
<b>Religion</b>	15355.11	0.35	2551.67	0.31	1939.74	0.83	951.57	1.86	358.90	1.53
<b>Single Family</b>	3378278.31	77.71	660049.76	79.24	141233.70	60.38	8218.68	16.03	3969.55	16.90
<b>Total</b>	<b>4,347,452</b>		<b>832,950</b>		<b>233,913</b>		<b>51,276</b>		<b>23,490</b>	

**Table 4: Expected Building Damage by Building Type (All Design Levels)**

	None		Slight		Moderate		Extensive		Complete	
	Count	(%)	Count	(%)	Count	(%)	Count	(%)	Count	(%)
<b>Wood</b>	3811055.21	87.66	753270.19	90.43	158119.07	67.60	6141.01	11.98	815.50	3.47
<b>Steel</b>	81399.30	1.87	14368.47	1.73	16591.08	7.09	9696.40	18.91	5292.84	22.53
<b>Concrete</b>	90154.17	2.07	18880.64	2.27	16424.73	7.02	9722.45	18.96	4855.33	20.67
<b>Precast</b>	56800.93	1.31	9697.27	1.16	7021.76	3.00	2108.79	4.11	445.09	1.89
<b>RM</b>	156352.52	3.60	23223.33	2.79	18191.17	7.78	5175.55	10.09	586.70	2.50
<b>URM</b>	19226.54	0.44	4396.68	0.53	5631.26	2.41	9263.93	18.07	9296.65	39.58
<b>MH</b>	132463.26	3.05	9113.03	1.09	11933.64	5.10	9167.56	17.88	2197.95	9.36
<b>Total</b>	<b>4,347,452</b>		<b>832,950</b>		<b>233,913</b>		<b>51,276</b>		<b>23,490</b>	

\*Note:

- RM Reinforced Masonry
- URM Unreinforced Masonry
- MH Manufactured Housing

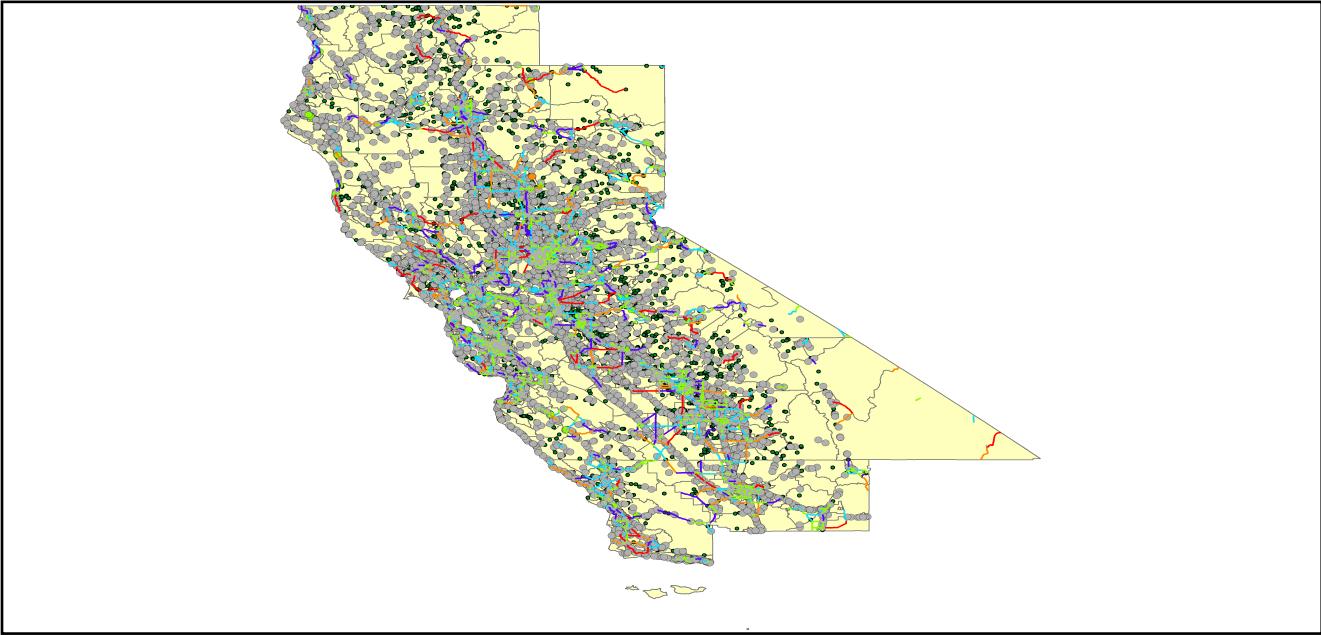
## Essential Facility Damage

Before the earthquake, the region had 45,230 hospital beds available for use. On the day of the earthquake, the model estimates that only 33,241 hospital beds (73.00%) are available for use by patients already in the hospital and those injured by the earthquake. After one week, 82.00% of the beds will be back in service. By 30 days, 89.00% will be operational.

**Table 5: Expected Damage to Essential Facilities**

Classification	Total	# Facilities		
		At Least Moderate Damage > 50%	Complete Damage > 50%	With Functionality > 50% on day 1
Hospitals	317	53	12	245
Schools	6,710	1,124	193	5,203
EOCs	110	17	5	86
PoliceStations	638	76	17	527
FireStations	1,979	185	33	1,675

Transportation Lifeline Damage



**Table 6: Expected Damage to the Transportation Systems**

System	Component	Locations/ Segments	Number of Locations_			
			With at Least Mod. Damage	With Complete Damage	With Functionality > 50 %	
					After Day 1	After Day 7
Highway	Segments	8,763	0	0	8,763	8,763
	Bridges	15,824	118	0	15,689	15,794
	Tunnels	56	0	0	56	56
Railways	Segments	4,050	0	0	4,050	4,050
	Bridges	2,380	0	0	2,380	2,380
	Tunnels	3	0	0	3	3
	Facilities	103	0	0	103	103
Light Rail	Segments	15	0	0	15	15
	Bridges	112	0	0	112	112
	Tunnels	0	0	0	0	0
	Facilities	255	63	0	255	255
Bus	Facilities	68	0	0	68	68
Ferry	Facilities	28	0	0	28	28
Port	Facilities	402	8	0	397	402
Airport	Facilities	195	3	0	195	195
	Runways	258	0	0	258	258

Table 6 provides damage estimates for the transportation system.

Note: Roadway segments, railroad tracks and light rail tracks are assumed to be damaged by ground failure only. If ground failure maps are not provided, damage estimates to these components will not be computed.

Tables 7-9 provide information on the damage to the utility lifeline systems. Table 7 provides damage to the utility system facilities. Table 8 provides estimates on the number of leaks and breaks by the pipelines of the utility systems. For electric power and potable water, Hazus performs a simplified system performance analysis. Table 9 provides a summary of the system performance information.

**Table 7 : Expected Utility System Facility Damage**

System	# of Locations				
	Total #	With at Least Moderate Damage	With Complete Damage	with Functionality > 50 %	
				After Day 1	After Day 7
Potable Water	31	1	0	29	31
Waste Water	234	26	0	157	234
Natural Gas	21	0	0	21	21
Oil Systems	35	0	0	35	35
Electrical Power	655	49	0	611	652
Communication	663	102	0	624	663

**Table 8 : Expected Utility System Pipeline Damage (Site Specific)**

System	Total Pipelines Length (miles)	Number of Leaks	Number of Breaks
Potable Water	240,798	26808	6702
Waste Water	144,479	13467	3367
Natural Gas	4,057	0	0
Oil	0	0	0

**Table 9: Expected Potable Water and Electric Power System Performance**

	Total # of Households	Number of Households without Service				
		At Day 1	At Day 3	At Day 7	At Day 30	At Day 90
Potable Water	6,055,510	1,090,111	997,783	792,333	291,138	0
Electric Power		887,706	565,871	232,371	21,600	1,191

## Induced Earthquake Damage

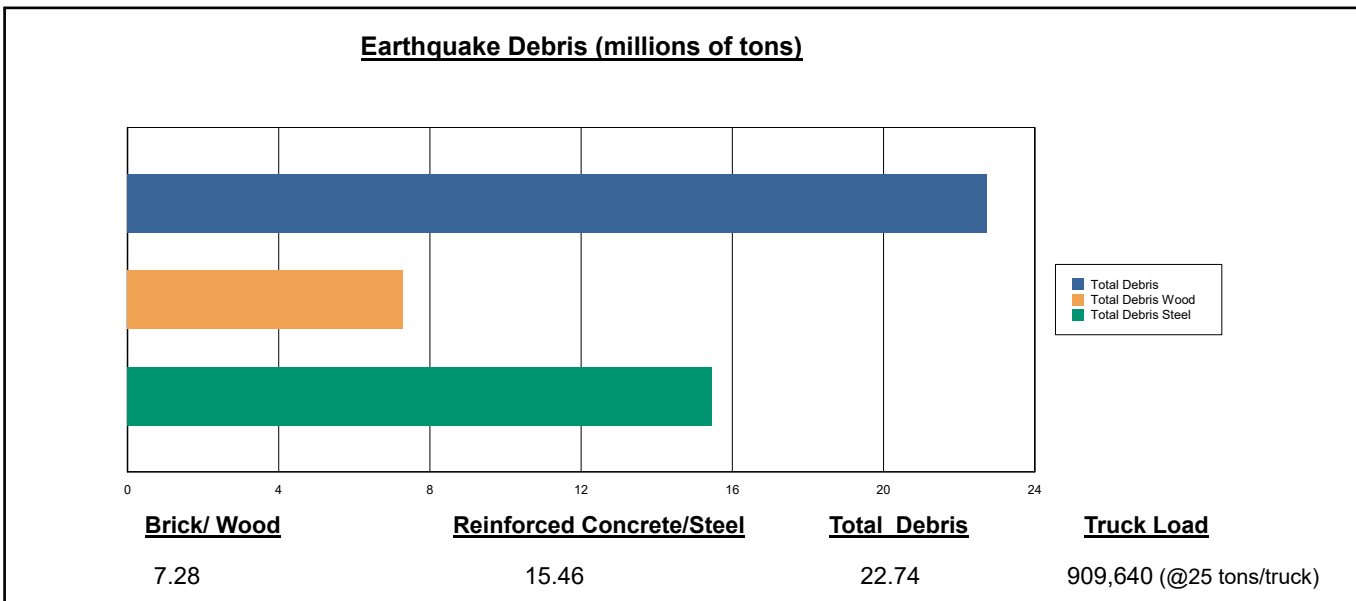
### Fire Following Earthquake

Fires often occur after an earthquake. Because of the number of fires and the lack of water to fight the fires, they can often burn out of control. Hazus uses a Monte Carlo simulation model to estimate the number of ignitions and the amount of burnt area. For this scenario, the model estimates that there will be 96 ignitions that will burn about 4.02 sq. mi (0.00 % of the region's total area.) The model also estimates that the fires will displace about 37,407 people and burn about 5,389 (millions of dollars) of building value.

### Debris Generation

Hazus estimates the amount of debris that will be generated by the earthquake. The model breaks the debris into two general categories: a) Brick/Wood and b) Reinforced Concrete/Steel. This distinction is made because of the different types of material handling equipment required to handle the debris.

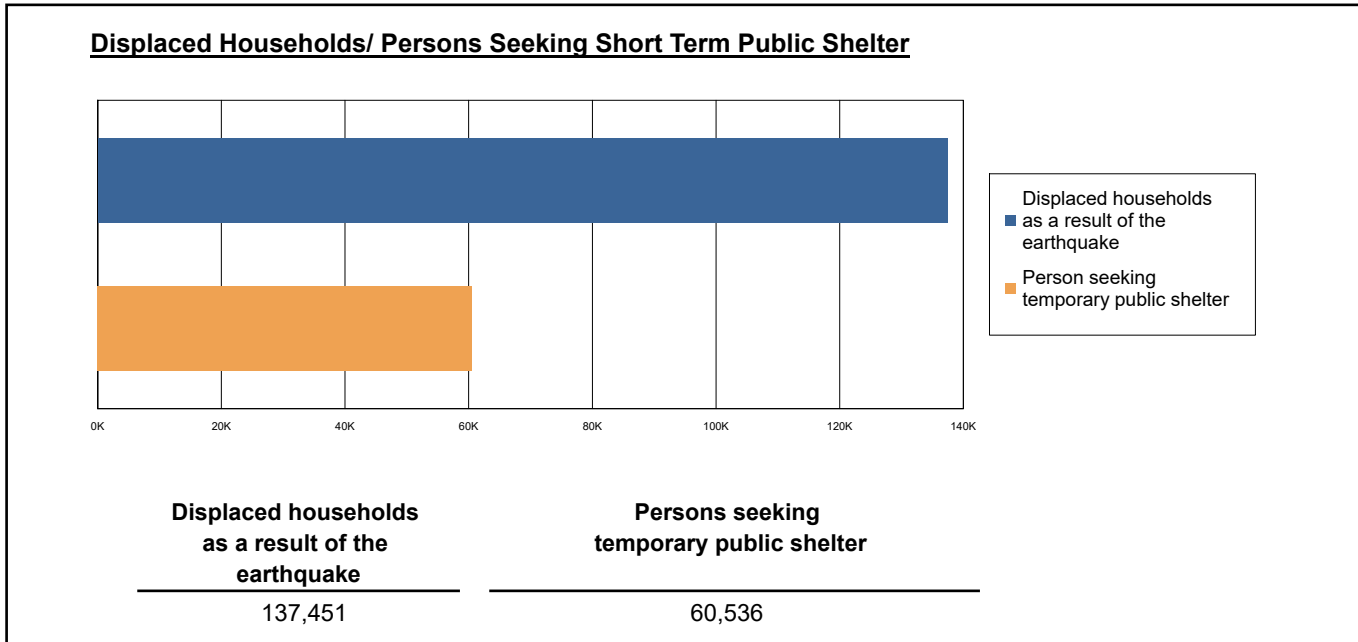
The model estimates that a total of 22,741,000 tons of debris will be generated. Of the total amount, Brick/Wood comprises 32.00% of the total, with the remainder being Reinforced Concrete/Steel. If the debris tonnage is converted to an estimated number of truckloads, it will require 909,640 truckloads (@25 tons/truck) to remove the debris generated by the earthquake.



## Social Impact

### Shelter Requirement

Hazus estimates the number of households that are expected to be displaced from their homes due to the earthquake and the number of displaced people that will require accommodations in temporary public shelters. The model estimates 137,451 households to be displaced due to the earthquake. Of these, 60,536 people (out of a total population of 17,406,507) will seek temporary shelter in public shelters.



### Casualties

Hazus estimates the number of people that will be injured and killed by the earthquake. The casualties are broken down into four (4) severity levels that describe the extent of the injuries. The levels are described as follows;

- Severity Level 1: Injuries will require medical attention but hospitalization is not needed.
- Severity Level 2: Injuries will require hospitalization but are not considered life-threatening
- Severity Level 3: Injuries will require hospitalization and can become life threatening if not promptly treated.
- Severity Level 4: Victims are killed by the earthquake.

The casualty estimates are provided for three (3) times of day: 2:00 AM, 2:00 PM and 5:00 PM. These times represent the periods of the day that different sectors of the community are at their peak occupancy loads. The 2:00 AM estimate considers that the residential occupancy load is maximum, the 2:00 PM estimate considers that the educational, commercial and industrial sector loads are maximum and 5:00 PM represents peak commute time.

Table 10 provides a summary of the casualties estimated for this earthquake

**Table 10: Casualty Estimates**

		Level 1	Level 2	Level 3	Level 4
<b>2 AM</b>	Commercial	293.91	76.70	11.30	22.25
	Commuting	1.09	1.48	2.46	0.48
	Educational	0.00	0.00	0.00	0.00
	Hotels	28.08	7.09	0.98	1.94
	Industrial	267.31	69.11	10.21	20.08
	Other-Residential	11890.80	3089.77	448.69	882.81
	Single Family	3546.75	557.20	65.42	128.93
	<b>Total</b>	<b>16,028</b>	<b>3,801</b>	<b>539</b>	<b>1,056</b>
	<b>2 PM</b>	Commercial	18582.50	4838.96	717.61
Commuting		9.79	13.33	22.17	4.31
Educational		4313.63	1023.53	145.74	281.50
Hotels		5.43	1.38	0.19	0.38
Industrial		1974.28	512.06	76.26	148.28
Other-Residential		3806.49	1012.00	154.41	287.53
Single Family		1074.46	180.65	22.66	42.56
<b>Total</b>		<b>29,767</b>	<b>7,582</b>	<b>1,139</b>	<b>2,166</b>
<b>5 PM</b>		Commercial	12478.62	3254.65	489.17
	Commuting	203.99	275.14	460.75	89.40
	Educational	908.34	206.02	28.40	54.11
	Hotels	8.41	2.12	0.30	0.58
	Industrial	1233.92	320.04	47.66	92.67
	Other-Residential	4710.93	1255.06	191.66	357.02
	Single Family	1365.33	227.25	28.34	53.24
	<b>Total</b>	<b>20,910</b>	<b>5,540</b>	<b>1,246</b>	<b>1,586</b>

## Economic Loss

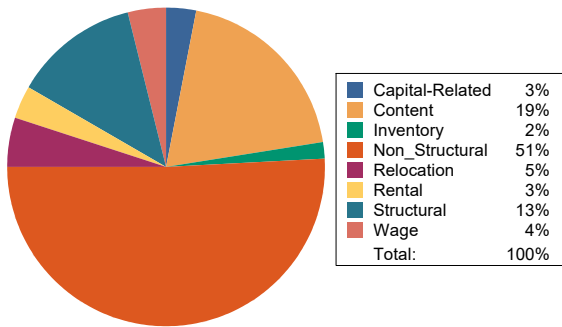
The total economic loss estimated for the earthquake is 144,983.62 (millions of dollars), which includes building and lifeline related losses based on the region's available inventory. The following three sections provide more detailed information about these losses.

## Building-Related Losses

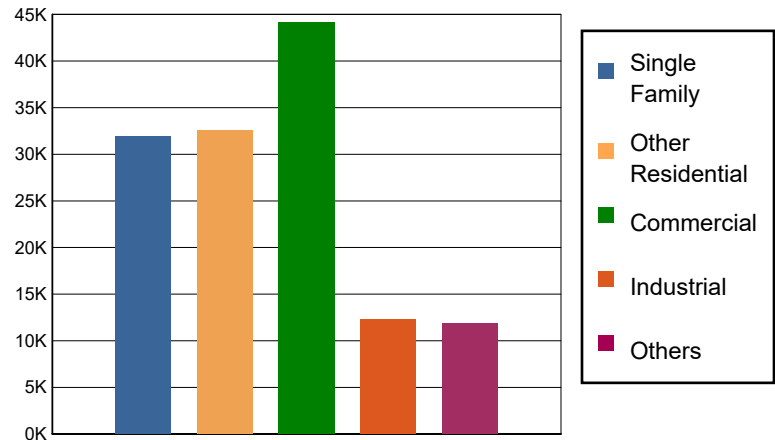
The building losses are broken into two categories: direct building losses and business interruption losses. The direct building losses are the estimated costs to repair or replace the damage caused to the building and its contents. The business interruption losses are the losses associated with inability to operate a business because of the damage sustained during the earthquake. Business interruption losses also include the temporary living expenses for those people displaced from their homes because of the earthquake.

The total building-related losses were 132,775.44 (millions of dollars); 15 % of the estimated losses were related to the business interruption of the region. By far, the largest loss was sustained by the residential occupancies which made up over 49 % of the total loss. Table 11 below provides a summary of the losses associated with the building damage.

Earthquake Losses by Loss Type (\$ millions)



Earthquake Losses by Occupancy Type (\$ millions)



**Table 11: Building-Related Economic Loss Estimates**  
(Millions of dollars)

Category	Area	Single Family	Other Residential	Commercial	Industrial	Others	Total
<b>Income Losses</b>							
	Wage	0.0000	876.3412	3870.8724	153.2859	351.8176	5,252.3171
	Capital-Related	0.0000	372.4994	3607.9972	91.9501	89.2923	4,161.7390
	Rental	346.7479	2130.5274	1709.6411	79.8641	188.1186	4,454.8991
	Relocation	1208.7948	1235.1298	2543.6417	363.2403	1277.5495	6,628.3561
	<b>Subtotal</b>	<b>1555.5427</b>	<b>4614.4978</b>	<b>11732.1524</b>	<b>688.3404</b>	<b>1906.7780</b>	<b>20497.3113</b>
<b>Capital Stock Losses</b>							
	Structural	3776.8802	3984.0880	5711.5431	1577.8162	1715.3153	16,765.6428
	Non_Structural	19684.2549	19604.0041	17189.5237	5714.3952	5448.3441	67,640.5220
	Content	6906.6434	4307.9478	8275.1330	3759.9046	2588.4731	25,838.1019
	Inventory	0.0000	0.0000	1272.2648	531.5998	229.9937	2,033.8583
	<b>Subtotal</b>	<b>30367.7785</b>	<b>27896.0399</b>	<b>32448.4646</b>	<b>11583.7158</b>	<b>9982.1262</b>	<b>112278.1250</b>
	<b>Total</b>	<b>31923.32</b>	<b>32510.54</b>	<b>44180.62</b>	<b>12272.06</b>	<b>11888.90</b>	<b>132775.44</b>

### Transportation and Utility Lifeline Losses

For the transportation and utility lifeline systems, Hazus computes the direct repair cost for each component only. There are no losses computed by Hazus for business interruption due to lifeline outages. Tables 12 & 13 provide a detailed breakdown in the expected lifeline losses.

**Table 12: Transportation System Economic Losses**  
(Millions of dollars)

System	Component	Inventory Value	Economic Loss	Loss Ratio (%)
Highway	Segments	131887.0973	0.0000	0.00
	Bridges	68414.5214	1186.4887	1.73
	Tunnels	1054.8966	23.5538	2.23
	<b>Subtotal</b>	<b>201356.5153</b>	<b>1210.0425</b>	
Railways	Segments	72698.8109	0.0000	0.00
	Bridges	13542.2000	68.4480	0.51
	Tunnels	1.8495	0.0091	0.49
	Facilities	274.2890	20.3367	7.41
	<b>Subtotal</b>	<b>86517.1494</b>	<b>88.7938</b>	
Light Rail	Segments	5403.2756	0.0000	0.00
	Bridges	15.3529	0.1773	1.15
	Tunnels	0.0000	0.0000	0.00
	Facilities	4154.0000	1164.2509	28.03
	<b>Subtotal</b>	<b>9572.6285</b>	<b>1164.4282</b>	
Bus	Facilities	152.6394	12.9134	8.46
	<b>Subtotal</b>	<b>152.6394</b>	<b>12.9134</b>	
Ferry	Facilities	37.2680	5.2254	14.02
	<b>Subtotal</b>	<b>37.2680</b>	<b>5.2254</b>	
Port	Facilities	1532.3616	219.8825	14.35
	<b>Subtotal</b>	<b>1532.3616</b>	<b>219.8825</b>	
Airport	Facilities	3385.7176	552.4297	16.32
	Runways	2237.0452	0.0000	0.00
	<b>Subtotal</b>	<b>5622.7628</b>	<b>552.4297</b>	
<b>Total</b>		<b>304,791.33</b>	<b>3,253.72</b>	

**Table 13: Utility System Economic Losses**  
(Millions of dollars)

System	Component	Inventory Value	Economic Loss	Loss Ratio (%)
Potable Water	Pipelines	0.0000	0.0000	0.00
	Facilities	1218.1140	44.4515	3.65
	Distribution Lines	7750.5505	120.6374	1.56
	<b>Subtotal</b>	<b>8968.6645</b>	<b>165.0889</b>	
Waste Water	Pipelines	0.0000	0.0000	0.00
	Facilities	40236.7212	2425.5453	6.03
	Distribution Lines	4650.3303	60.5992	1.30
	<b>Subtotal</b>	<b>44887.0515</b>	<b>2486.1445</b>	
Natural Gas	Pipelines	22997.0652	0.0000	0.00
	Facilities	829.4518	0.3794	0.05
	Distribution Lines	3100.2202	20.7609	0.67
	<b>Subtotal</b>	<b>26926.7372</b>	<b>21.1403</b>	
Oil Systems	Pipelines	0.0000	0.0000	0.00
	Facilities	4.1300	0.0941	2.28
	<b>Subtotal</b>	<b>4.1300</b>	<b>0.0941</b>	
Electrical Power	Facilities	179237.9993	6274.7946	3.50
	<b>Subtotal</b>	<b>179237.9993</b>	<b>6274.7946</b>	
Communication	Facilities	78.2340	7.2458	9.26
	<b>Subtotal</b>	<b>78.2340</b>	<b>7.2458</b>	
	<b>Total</b>	<b>260,102.82</b>	<b>8,954.51</b>	

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## Appendix A: County Listing for the Region

Alameda,CA  
Alpine,CA  
Amador,CA  
Butte,CA  
Calaveras,CA  
Colusa,CA  
Contra Costa,CA  
Del Norte,CA  
El Dorado,CA  
Fresno,CA  
Glenn,CA  
Humboldt,CA  
Inyo,CA  
Kern,CA  
Kings,CA  
Lake,CA  
Lassen,CA  
Madera,CA  
Marin,CA  
Mariposa,CA  
Mendocino,CA  
Merced,CA  
Mono,CA  
Monterey,CA  
Napa,CA  
Nevada,CA  
Placer,CA  
Plumas,CA  
Sacramento,CA

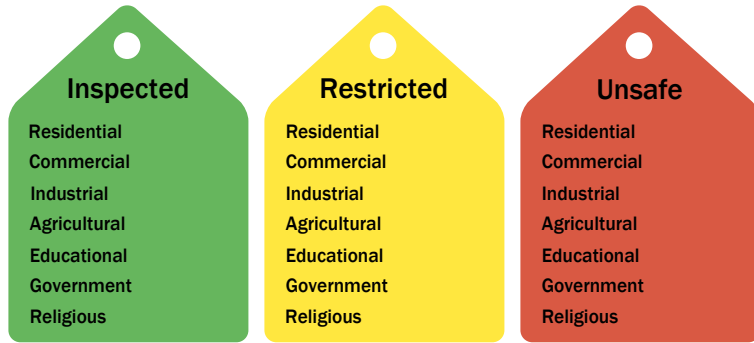
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San Benito,CA  
San Francisco,CA  
San Joaquin,CA  
San Luis Obispo,CA  
San Mateo,CA  
Santa Barbara,CA  
Santa Clara,CA  
Santa Cruz,CA  
Shasta,CA  
Sierra,CA  
Siskiyou,CA  
Solano,CA  
Sonoma,CA  
Stanislaus,CA  
Sutter,CA  
Tehama,CA  
Trinity,CA  
Tulare,CA  
Tuolumne,CA  
Yolo,CA  
Yuba,CA

## Appendix B: Regional Population and Building Value Data

State	County Name	Population	Building Value (millions of dollars)		
			Residential	Non-Residential	Total
California	Alameda	1,682,353	209,951	122,639	332,590
	Alpine	1,204	721	139	861
	Amador	40,474	5,608	2,517	8,125
	Butte	211,632	25,875	16,639	42,514
	Calaveras	45,292	8,305	4,893	13,199
	Colusa	21,839	2,244	2,024	4,268
	Contra Costa	1,165,927	158,118	60,339	218,458
	Del Norte	27,743	5,004	1,876	6,881
	El Dorado	191,185	34,907	9,704	44,611
	Fresno	1,008,654	98,532	61,772	160,304
	Glenn	28,917	2,791	3,717	6,508
	Humboldt	136,463	19,361	8,683	28,044
	Inyo	19,016	2,951	1,970	4,921
	Kern	909,235	87,567	59,168	146,736
	Kings	152,486	13,719	7,861	21,581
	Lake	68,163	9,699	4,530	14,229
	Lassen	32,730	4,033	2,008	6,042
	Madera	156,255	18,025	9,641	27,667
	Marin	262,321	47,738	15,030	62,769
	Mariposa	17,131	3,299	1,141	4,441
	Mendocino	91,601	14,237	8,510	22,748
	Merced	281,202	25,194	26,098	51,292
	Mono	13,195	3,293	1,083	4,377
	Monterey	439,035	47,655	28,750	76,405
	Napa	138,019	20,517	13,045	33,563
	Nevada	102,241	17,908	6,108	24,016
	Placer	404,739	69,985	24,193	94,179
	Plumas	19,790	6,128	2,276	8,405
	Sacramento	1,585,055	179,811	83,911	263,723
	San Benito	64,209	9,440	3,799	13,239
	San Francisco	873,965	108,848	46,020	154,869
	San Joaquin	779,233	82,706	56,882	139,589
	San Luis Obispo	282,424	41,720	20,896	62,616
San Mateo	764,442	110,372	44,995	155,368	
Santa Barbara	448,229	49,971	28,481	78,452	
Santa Clara	1,936,259	261,111	120,471	381,582	
Santa Cruz	270,861	36,147	18,805	54,952	
Shasta	182,155	21,572	15,715	37,288	
Sierra	3,236	596	419	1,015	

	Siskiyou	44,076	6,856	4,758	11,615
	Solano	453,491	55,802	26,393	82,195
	Sonoma	488,863	68,827	35,781	104,609
	Stanislaus	552,878	62,937	37,511	100,449
	Sutter	99,633	10,618	6,448	17,066
	Tehama	65,829	7,705	5,113	12,818
	Trinity	16,112	2,209	1,485	3,694
	Tulare	473,117	43,262	31,210	74,472
	Tuolumne	55,620	8,964	3,507	12,471
	Yolo	216,403	24,130	18,343	42,473
	Yuba	81,575	8,161	4,677	12,839
<b>Total Region</b>		<b>17,406,507</b>	<b>2,165,130</b>	<b>1,121,974</b>	<b>3,287,128</b>

**Building Inspection Tagging (Counts)**

**Total Economic Loss**
**Total:**

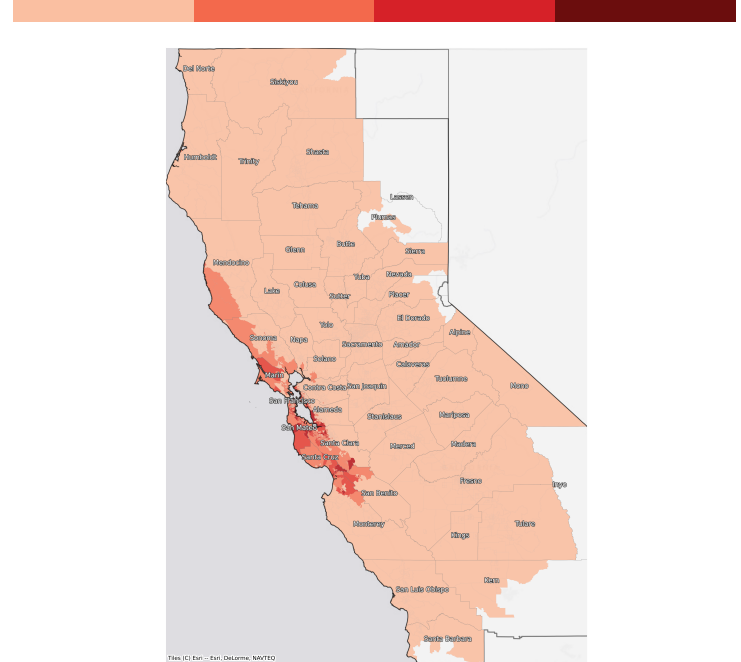
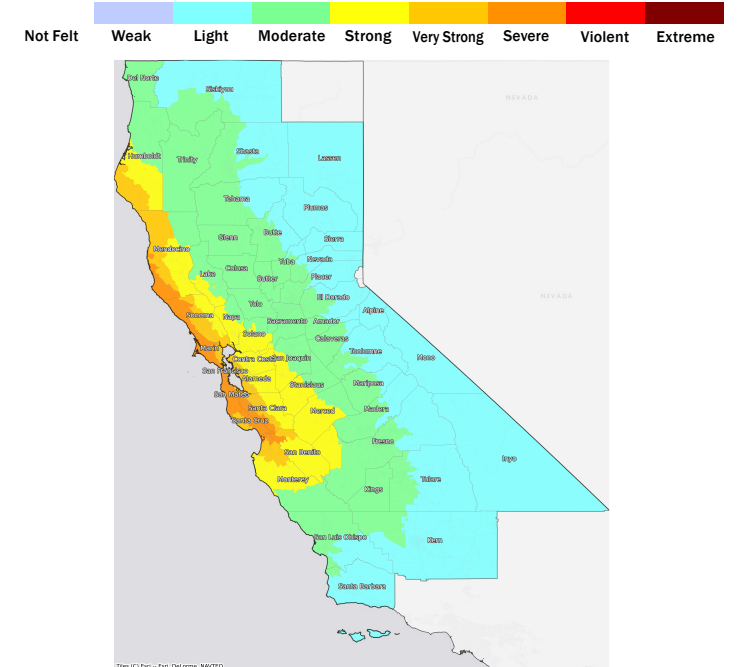
Top Counties	State	Total

**Injuries & Fatalities**
**Total Day:  
Total Night:**

Top Counties	State	Injuries (day/night)	Fatalities (day/night)

**Displaced Households & Short-Term Shelter Needs**
**Total Displaced:  
Total Needing Shelter:**

Top Counties	State	Displaced	Needing Shelter

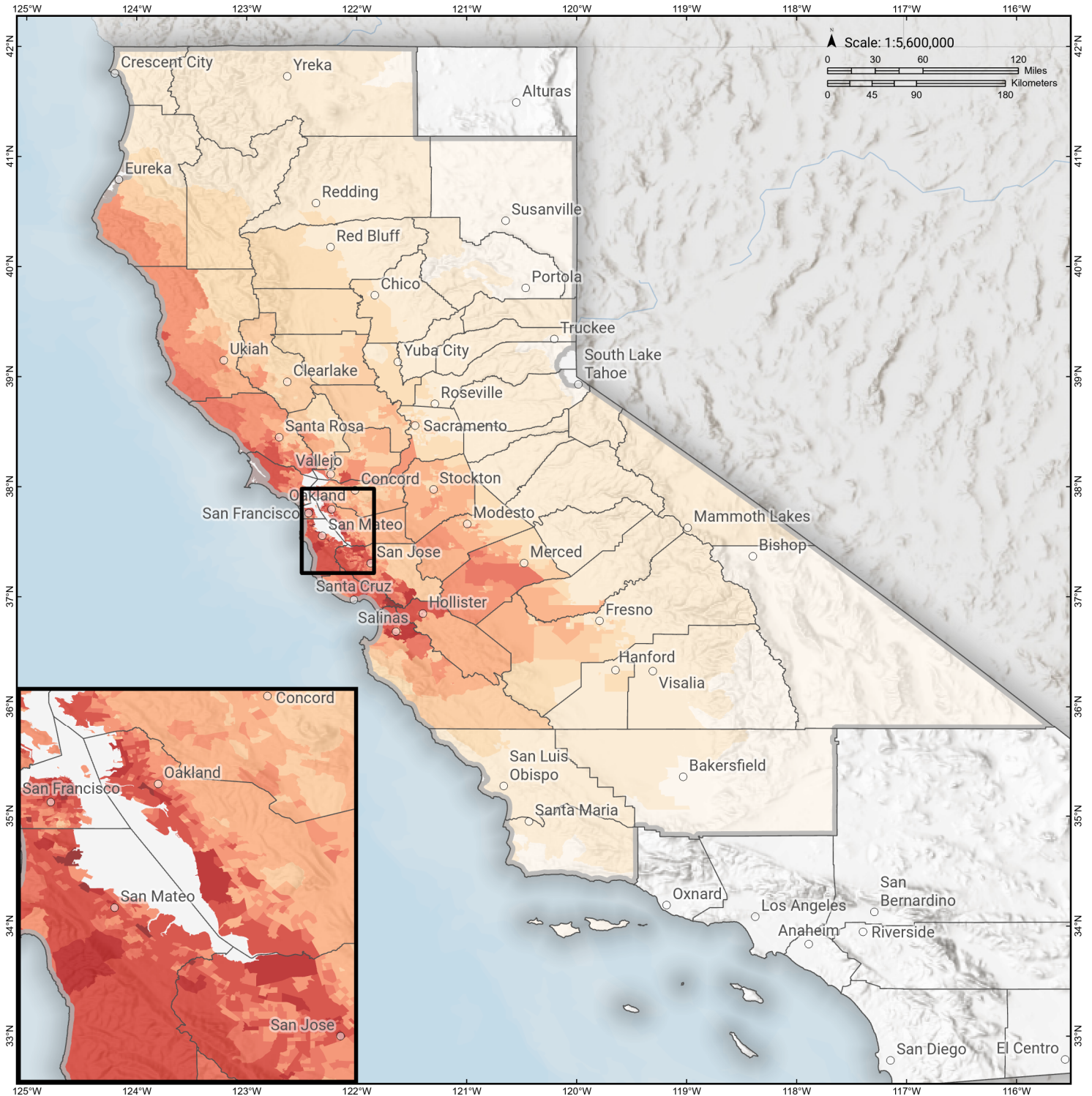
**Economic Impacts by Census Tract**

**Ground Shaking**

**Debris**
**Total Tons:  
Total Truckloads:**

Type	Tons

The estimates of social and economic impacts contained in this report were produced using Hazus loss estimation methodology software which is based on current scientific and engineering knowledge. There are uncertainties inherent in any loss estimation technique. Therefore, there may be significant differences between the modeled results contained in this report and the actual social and economic losses following a specific earthquake.

# N. San Andreas: SAO+SAN+SAP+SAS

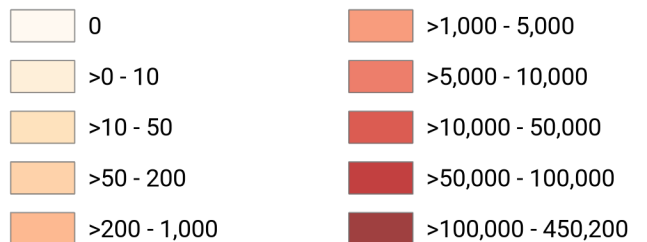
## Debris Generated by Census Tract



**Study Region:** N. San Andreas: SAO+SAN+SAP+SAS  
**Scenario:** nsanandreassaosansap\_m8p04\_se

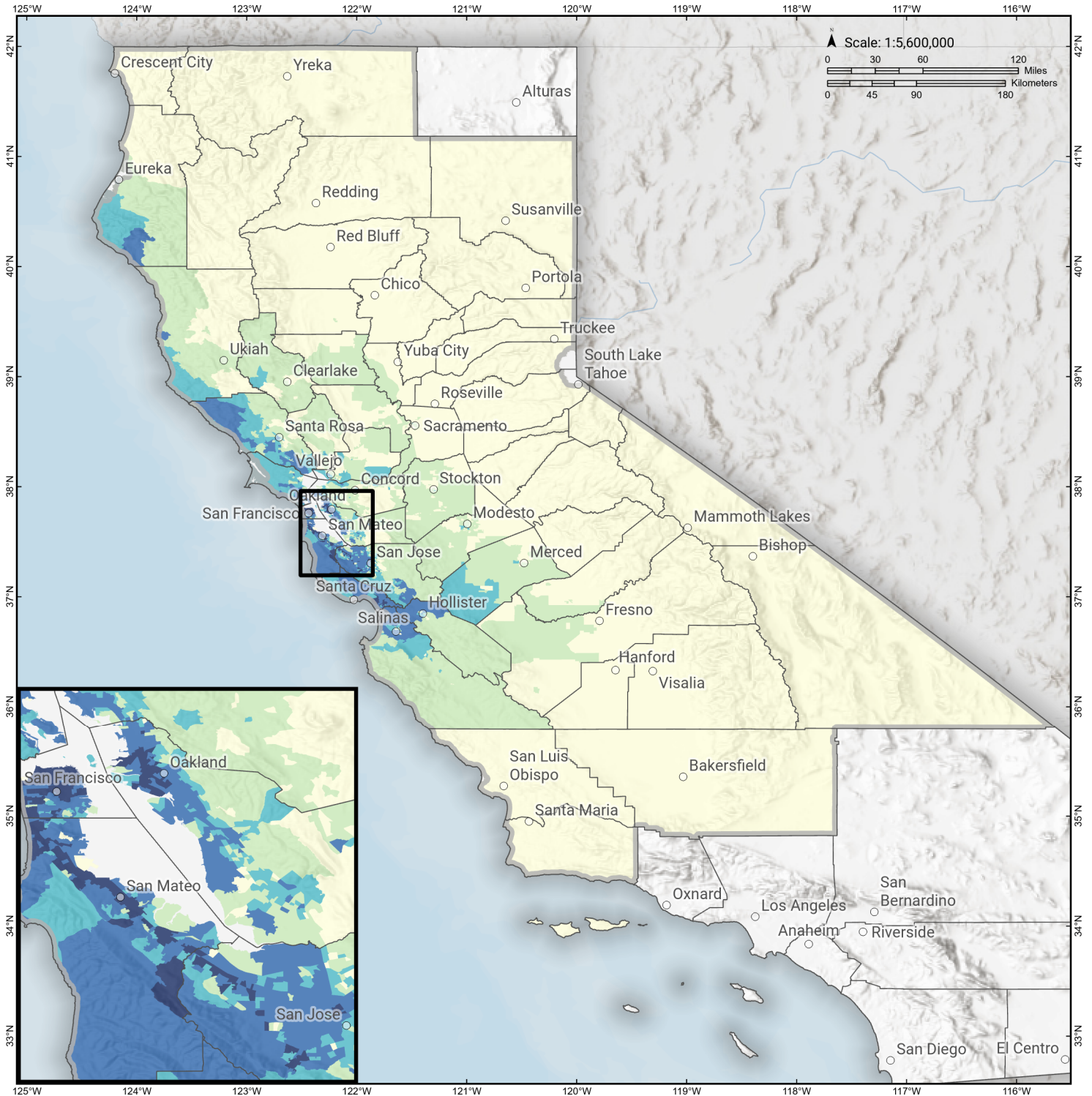


### Debris Generated (in tons)



# N. San Andreas: SAO+SAN+SAP+SAS

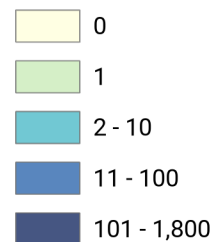
## Displaced Households by Census Tract



**Study Region:** N. San Andreas: SAO+SAN+SAP+SAS  
**Scenario:** nsanandreassaosansap\_m8p04\_se

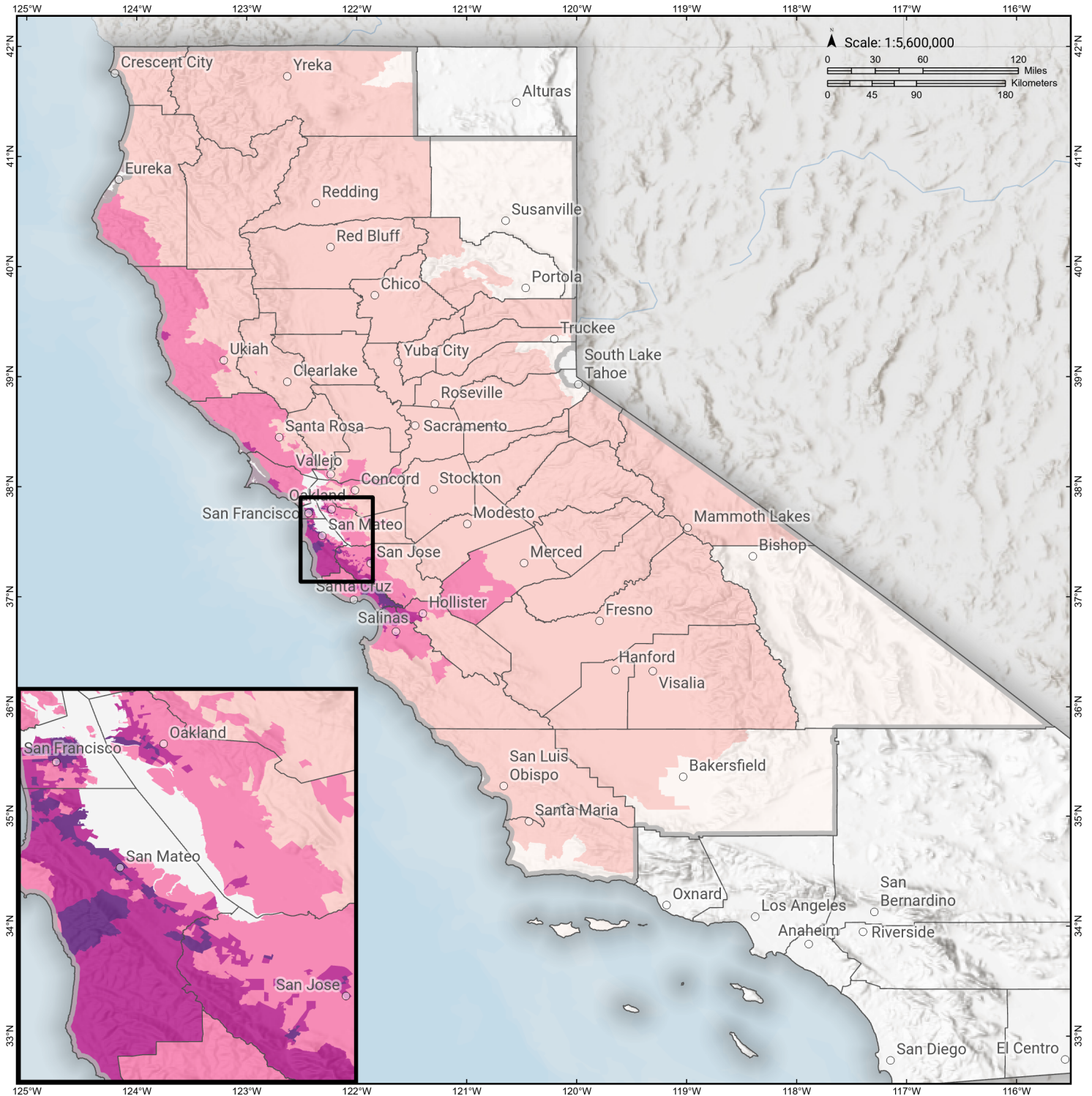


### Displaced Households



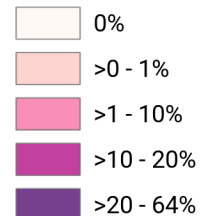
# N. San Andreas: SAO+SAN+SAP+SAS

## Loss Ratio by Census Tract



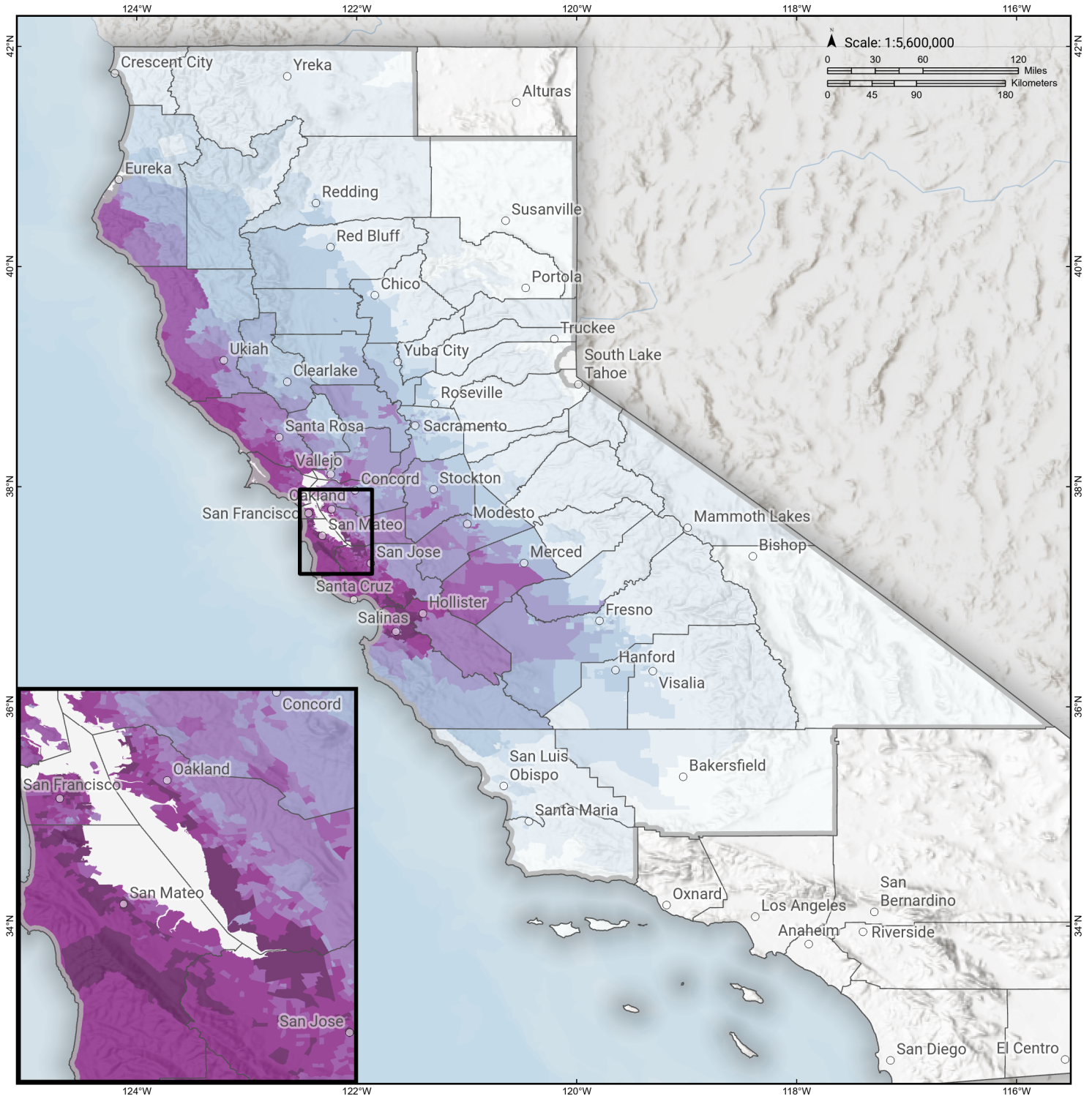
**Study Region:** N. San Andreas: SAO+SAN+SAP+SAS  
**Scenario:** nsanandreassaosansap\_m8p04\_se

**Loss Ratio** (ratio of building related economic loss to exposed value of buildings)



# N. San Andreas: SAO+SAN+SAP+SAS

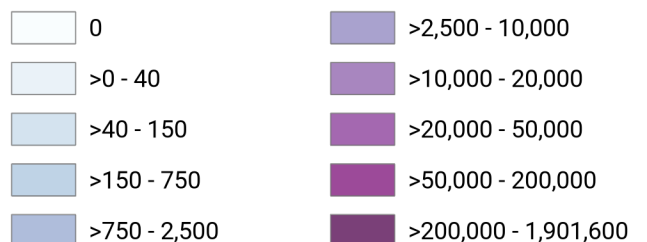
## Total Building Related Economic Loss by Census Tract



**Study Region:** N. San Andreas: SAO+SAN+SAP+SAS  
**Scenario:** nsanandreassaosansap\_m8p04\_se



**Economic Loss** (in thousands of USD \$)



## Building Damage by Count by General Occupancy

June 10, 2024

	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<b>California</b>						
<b>Alameda</b>						
<i>Government</i>	6,282	2,664	1,269	253	61	10,528
<i>Commercial</i>	16,021	8,104	4,703	2,400	761	31,989
<i>Agriculture</i>	233	104	53	23	9	422
<i>Religion</i>	911	515	337	168	54	1,986
<i>Single Family</i>	253,792	86,134	4,176	59	13	344,173
<i>Education</i>	815	154	72	54	22	1,117
<i>Industrial</i>	4,953	2,737	1,580	658	277	10,205
<i>Other Residential</i>	36,033	16,909	5,267	2,500	686	61,396
<b>Alpine</b>						
<i>Education</i>	5	0	0	0	0	5
<i>Commercial</i>	48	0	0	0	0	48
<i>Government</i>	4	0	0	0	0	4
<i>Agriculture</i>	0	0	0	0	0	0
<i>Religion</i>	1	0	0	0	0	1
<i>Industrial</i>	14	0	0	0	0	14
<i>Single Family</i>	842	0	0	0	0	842
<i>Other Residential</i>	97	0	0	0	0	97
<b>Amador</b>						

	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<i>Industrial</i>	235	0	0	0	0	235
<i>Other Residential</i>	1,036	1	0	0	0	1,037
<i>Single Family</i>	14,962	0	0	0	0	14,962
<i>Education</i>	23	0	0	0	0	23
<i>Government</i>	32	0	0	0	0	32
<i>Commercial</i>	1,368	0	0	0	0	1,368
<i>Agriculture</i>	44	0	0	0	0	44
<i>Religion</i>	45	0	0	0	0	45
<b>Butte</b>						
<i>Religion</i>	530	1	0	0	0	531
<i>Agriculture</i>	508	2	0	0	0	510
<i>Government</i>	147	0	0	0	0	147
<i>Commercial</i>	6,378	6	0	0	0	6,385
<i>Industrial</i>	1,519	3	0	0	0	1,522
<i>Other Residential</i>	21,467	30	2	0	0	21,498
<i>Single Family</i>	50,278	5	0	0	0	50,283
<i>Education</i>	172	0	0	0	0	172
<b>Calaveras</b>						
<i>Education</i>	35	0	0	0	0	35
<i>Government</i>	84	0	0	0	0	84
<i>Other Residential</i>	2,556	3	0	0	0	2,559
<i>Commercial</i>	1,412	1	0	0	0	1,413
<i>Religion</i>	130	0	0	0	0	130
<i>Agriculture</i>	2,206	1	0	0	0	2,207
<i>Industrial</i>	466	0	0	0	0	466

	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<b>Colusa</b>						
<i>Single Family</i>	22,148	0	0	0	0	22,148
<i>Agriculture</i>	140	2	0	0	0	142
<i>Religion</i>	57	1	0	0	0	58
<i>Commercial</i>	779	14	2	0	0	794
<i>Industrial</i>	111	2	0	0	0	113
<i>Other Residential</i>	936	16	2	0	0	954
<i>Single Family</i>	5,920	34	0	0	0	5,954
<i>Government</i>	32	0	0	0	0	32
<i>Education</i>	33	0	0	0	0	33
<b>Contra Costa</b>						
<i>Commercial</i>	14,347	2,589	786	215	53	17,991
<i>Agriculture</i>	603	104	33	7	2	749
<i>Religion</i>	888	213	91	25	8	1,226
<i>Single Family</i>	249,245	31,839	847	3	1	281,935
<i>Government</i>	4,028	697	250	41	9	5,024
<i>Education</i>	603	39	8	2	0	653
<i>Industrial</i>	3,479	837	337	75	21	4,749
<i>Other Residential</i>	22,616	5,038	1,256	175	38	29,124
<b>Del Norte</b>						
<i>Agriculture</i>	134	0	0	0	0	134
<i>Religion</i>	53	0	0	0	0	53
<i>Government</i>	18	0	0	0	0	18
<i>Commercial</i>	729	0	0	0	0	729
<i>Industrial</i>	61	0	0	0	0	61

	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<i>Other Residential</i>	3,860	1	0	0	0	3,861
<i>Single Family</i>	6,117	0	0	0	0	6,117
<i>Education</i>	31	0	0	0	0	31
<b>El Dorado</b>						
<i>Education</i>	128	0	0	0	0	128
<i>Industrial</i>	1,199	0	0	0	0	1,199
<i>Other Residential</i>	10,420	0	0	0	0	10,420
<i>Single Family</i>	71,424	0	0	0	0	71,424
<i>Government</i>	100	0	0	0	0	100
<i>Commercial</i>	4,768	0	0	0	0	4,768
<i>Religion</i>	180	0	0	0	0	180
<i>Agriculture</i>	161	0	0	0	0	161
<b>Fresno</b>						
<i>Commercial</i>	20,945	96	12	1	0	21,054
<i>Religion</i>	1,495	10	1	0	0	1,507
<i>Agriculture</i>	3,384	33	4	0	0	3,421
<i>Industrial</i>	5,314	31	3	0	0	5,348
<i>Other Residential</i>	40,703	244	26	0	0	40,973
<i>Single Family</i>	226,168	257	0	0	0	226,425
<i>Government</i>	288	3	0	0	0	291
<i>Education</i>	602	0	0	0	0	602
<b>Glenn</b>						
<i>Government</i>	99	0	0	0	0	99
<i>Education</i>	35	0	0	0	0	35
<i>Industrial</i>	252	2	0	0	0	254

	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<i>Other Residential</i>	2,119	30	2	0	0	2,152
<i>Single Family</i>	7,405	12	0	0	0	7,417
<i>Commercial</i>	877	7	1	0	0	885
<i>Agriculture</i>	1,352	11	2	0	0	1,365
<i>Religion</i>	88	1	0	0	0	89
<b>Humboldt</b>						
<i>Agriculture</i>	117	21	10	1	0	150
<i>Religion</i>	50	7	3	1	0	61
<i>Government</i>	73	9	4	1	0	87
<i>Commercial</i>	2,601	337	149	30	1	3,118
<i>Single Family</i>	35,100	3,146	112	0	0	38,359
<i>Industrial</i>	592	80	52	16	1	740
<i>Other Residential</i>	10,366	1,224	410	55	2	12,058
<i>Education</i>	121	5	1	0	0	127
<b>Inyo</b>						
<i>Religion</i>	57	0	0	0	0	57
<i>Agriculture</i>	32	0	0	0	0	32
<i>Commercial</i>	721	0	0	0	0	721
<i>Industrial</i>	257	0	0	0	0	257
<i>Other Residential</i>	4,050	0	0	0	0	4,050
<i>Single Family</i>	4,446	0	0	0	0	4,446
<i>Education</i>	41	0	0	0	0	41
<i>Government</i>	101	0	0	0	0	101
<b>Kern</b>						
<i>Single Family</i>	205,139	0	0	0	0	205,139

	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<i>Education</i>	462	0	0	0	0	462
<i>Industrial</i>	6,047	0	0	0	0	6,047
<i>Other Residential</i>	54,517	3	0	0	0	54,520
<i>Government</i>	443	0	0	0	0	443
<i>Commercial</i>	15,566	1	0	0	0	15,567
<i>Religion</i>	1,524	0	0	0	0	1,524
<i>Agriculture</i>	4,645	0	0	0	0	4,645
<b>Kings</b>						
<i>Commercial</i>	2,310	7	0	0	0	2,318
<i>Agriculture</i>	305	1	0	0	0	306
<i>Religion</i>	209	1	0	0	0	210
<i>Government</i>	72	0	0	0	0	72
<i>Other Residential</i>	4,328	13	1	0	0	4,342
<i>Industrial</i>	553	2	0	0	0	555
<i>Single Family</i>	36,225	20	0	0	0	36,245
<i>Education</i>	103	0	0	0	0	103
<b>Lake</b>						
<i>Agriculture</i>	152	7	2	0	0	161
<i>Single Family</i>	21,273	358	1	0	0	21,633
<i>Other Residential</i>	13,091	1,302	206	2	0	14,601
<i>Education</i>	68	0	0	0	0	68
<i>Industrial</i>	335	16	3	0	0	354
<i>Religion</i>	133	6	1	0	0	140
<i>Commercial</i>	1,983	88	18	1	0	2,091

	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<i>Government</i>	75	3	1	0	0	78
<b>Lassen</b>						
<i>Other Residential</i>	2,627	0	0	0	0	2,627
<i>Education</i>	40	0	0	0	0	40
<i>Industrial</i>	140	0	0	0	0	140
<i>Government</i>	22	0	0	0	0	22
<i>Agriculture</i>	37	0	0	0	0	37
<i>Religion</i>	71	0	0	0	0	71
<i>Commercial</i>	913	0	0	0	0	913
<i>Single Family</i>	9,562	0	0	0	0	9,562
<b>Madera</b>						
<i>Commercial</i>	2,877	25	3	0	0	2,905
<i>Religion</i>	118	1	0	0	0	119
<i>Government</i>	111	0	0	0	0	111
<i>Agriculture</i>	608	19	6	0	0	634
<i>Other Residential</i>	6,560	69	6	0	0	6,635
<i>Industrial</i>	892	10	1	0	0	903
<i>Single Family</i>	38,784	128	0	0	0	38,912
<i>Education</i>	115	0	0	0	0	115
<b>Marin</b>						
<i>Other Residential</i>	3,338	3,103	1,006	364	80	7,890
<i>Government</i>	60	44	29	8	1	143
<i>Education</i>	181	63	21	6	2	274
<i>Commercial</i>	2,960	2,831	1,766	556	157	8,270
<i>Religion</i>	116	113	67	18	5	319

	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<i>Agriculture</i>	61	64	44	16	6	190
<i>Single Family</i>	42,731	30,677	3,259	54	4	76,724
<i>Industrial</i>	518	515	366	108	28	1,535
<b>Mariposa</b>						
<i>Single Family</i>	8,084	0	0	0	0	8,084
<i>Education</i>	27	0	0	0	0	27
<i>Industrial</i>	94	0	0	0	0	94
<i>Other Residential</i>	307	0	0	0	0	307
<i>Commercial</i>	689	0	0	0	0	689
<i>Religion</i>	36	0	0	0	0	36
<i>Agriculture</i>	29	0	0	0	0	29
<i>Government</i>	33	0	0	0	0	33
<b>Mendocino</b>						
<i>Commercial</i>	2,269	680	385	97	4	3,436
<i>Religion</i>	154	38	19	4	0	216
<i>Agriculture</i>	146	27	9	2	0	184
<i>Other Residential</i>	3,682	1,630	1,118	563	67	7,060
<i>Government</i>	51	19	11	2	0	83
<i>Single Family</i>	18,865	6,326	770	8	0	25,969
<i>Education</i>	87	11	2	0	0	101
<i>Industrial</i>	600	154	88	25	2	869
<b>Merced</b>						
<i>Education</i>	161	2	0	0	0	163
<i>Government</i>	164	6	1	0	0	171
<i>Commercial</i>	4,466	239	45	4	0	4,754

	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<i>Religion</i>	324	17	3	0	0	345
<i>Agriculture</i>	6,347	758	430	114	3	7,653
<i>Single Family</i>	61,565	2,018	15	0	0	63,598
<i>Industrial</i>	960	53	8	1	0	1,022
<i>Other Residential</i>	9,861	734	177	15	0	10,787
<b>Mono</b>						
<i>Government</i>	18	0	0	0	0	18
<i>Education</i>	21	0	0	0	0	21
<i>Commercial</i>	654	0	0	0	0	654
<i>Religion</i>	32	0	0	0	0	32
<i>Agriculture</i>	145	0	0	0	0	145
<i>Other Residential</i>	1,759	0	0	0	0	1,759
<i>Single Family</i>	7,704	0	0	0	0	7,704
<i>Industrial</i>	108	0	0	0	0	108
<b>Monterey</b>						
<i>Single Family</i>	62,958	25,497	2,402	16	4	90,876
<i>Industrial</i>	947	452	292	103	56	1,850
<i>Education</i>	193	35	9	1	0	239
<i>Other Residential</i>	11,522	4,691	1,700	1,368	527	19,809
<i>Commercial</i>	5,261	2,238	1,175	369	202	9,246
<i>Religion</i>	333	134	78	24	11	580
<i>Agriculture</i>	1,506	192	90	21	6	1,815
<i>Government</i>	116	41	20	5	2	185
<b>Napa</b>						
<i>Agriculture</i>	310	30	8	1	0	349

	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<i>Commercial</i>	3,428	440	129	23	1	4,021
<i>Religion</i>	125	17	5	1	0	148
<i>Single Family</i>	35,894	2,833	34	0	0	38,761
<i>Other Residential</i>	5,558	994	385	40	1	6,978
<i>Government</i>	88	12	3	0	0	103
<i>Education</i>	121	7	3	1	0	132
<i>Industrial</i>	1,139	173	48	7	0	1,367
<b>Nevada</b>						
<i>Religion</i>	189	0	0	0	0	189
<i>Commercial</i>	2,835	0	0	0	0	2,835
<i>Government</i>	60	0	0	0	0	60
<i>Agriculture</i>	132	0	0	0	0	132
<i>Single Family</i>	43,280	0	0	0	0	43,280
<i>Education</i>	108	0	0	0	0	108
<i>Industrial</i>	1,161	0	0	0	0	1,161
<i>Other Residential</i>	6,384	0	0	0	0	6,384
<b>Placer</b>						
<i>Education</i>	231	0	0	0	0	231
<i>Government</i>	377	0	0	0	0	377
<i>Commercial</i>	8,531	7	0	0	0	8,538
<i>Agriculture</i>	258	0	0	0	0	258
<i>Religion</i>	382	0	0	0	0	382
<i>Other Residential</i>	14,831	12	1	0	0	14,843
<i>Single Family</i>	134,693	26	0	0	0	134,719
<i>Industrial</i>	2,700	3	0	0	0	2,703

	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<b>Plumas</b>						
<i>Commercial</i>	1,215	0	0	0	0	1,215
<i>Religion</i>	30	0	0	0	0	30
<i>Agriculture</i>	84	0	0	0	0	84
<i>Single Family</i>	9,877	0	0	0	0	9,877
<i>Education</i>	26	0	0	0	0	26
<i>Industrial</i>	184	0	0	0	0	184
<i>Other Residential</i>	5,032	0	0	0	0	5,032
<i>Government</i>	45	0	0	0	0	45
<b>Sacramento</b>						
<i>Single Family</i>	385,877	959	4	0	0	386,840
<i>Industrial</i>	6,701	46	8	1	0	6,756
<i>Other Residential</i>	55,955	398	59	2	0	56,413
<i>Education</i>	827	2	0	0	0	829
<i>Commercial</i>	25,973	261	51	10	1	26,295
<i>Religion</i>	1,674	24	4	0	0	1,702
<i>Agriculture</i>	615	4	1	1	0	621
<i>Government</i>	588	27	4	0	0	619
<b>San Benito</b>						
<i>Other Residential</i>	301	593	217	179	84	1,375
<i>Government</i>	9	12	14	4	6	45
<i>Single Family</i>	4,860	8,424	1,420	22	0	14,726
<i>Industrial</i>	110	106	75	23	12	326
<i>Education</i>	19	14	6	1	2	42
<i>Agriculture</i>	139	68	33	10	3	253

	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<i>Religion</i>	15	23	14	4	8	64
<i>Commercial</i>	301	350	239	87	102	1,080
<b>San Francisco</b>						
<i>Other Residential</i>	7,902	17,043	9,531	5,324	4,730	44,529
<i>Government</i>	32	78	99	49	31	289
<i>Single Family</i>	36,788	75,318	29,966	5,031	3,600	150,703
<i>Education</i>	198	177	88	53	57	572
<i>Industrial</i>	601	1,120	996	681	463	3,860
<i>Commercial</i>	2,877	6,609	5,394	3,760	2,704	21,344
<i>Religion</i>	169	420	392	235	129	1,345
<i>Agriculture</i>	23	51	43	28	18	162
<b>San Joaquin</b>						
<i>Commercial</i>	12,367	433	61	3	0	12,864
<i>Religion</i>	842	30	5	0	0	877
<i>Agriculture</i>	722	27	4	0	0	753
<i>Government</i>	288	13	3	0	0	304
<i>Single Family</i>	182,611	5,825	474	11	0	188,922
<i>Education</i>	389	5	1	0	0	395
<i>Industrial</i>	4,710	187	29	1	0	4,928
<i>Other Residential</i>	20,682	991	130	2	0	21,805
<b>San Luis Obispo</b>						
<i>Agriculture</i>	421	0	0	0	0	421
<i>Government</i>	185	0	0	0	0	185
<i>Religion</i>	360	0	0	0	0	360
<i>Commercial</i>	9,368	7	0	0	0	9,375

	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<i>Other Residential</i>	20,185	30	1	0	0	20,216
<i>Single Family</i>	85,632	7	0	0	0	85,639
<i>Industrial</i>	2,554	2	0	0	0	2,556
<i>Education</i>	182	0	0	0	0	182
<b>San Mateo</b>						
<i>Religion</i>	50	146	248	217	74	736
<i>Commercial</i>	1,328	3,487	4,650	3,531	1,399	14,395
<i>Government</i>	32	63	101	80	23	299
<i>Agriculture</i>	44	138	184	111	62	539
<i>Single Family</i>	24,200	84,331	48,980	2,208	213	159,931
<i>Other Residential</i>	2,913	9,016	6,568	2,528	1,428	22,453
<i>Industrial</i>	442	1,009	1,404	1,157	461	4,472
<i>Education</i>	131	180	132	33	12	489
<b>Santa Barbara</b>						
<i>Education</i>	299	0	0	0	0	299
<i>Government</i>	239	0	0	0	0	239
<i>Other Residential</i>	24,106	5	0	0	0	24,111
<i>Agriculture</i>	464	0	0	0	0	464
<i>Religion</i>	621	0	0	0	0	621
<i>Commercial</i>	9,820	0	0	0	0	9,820
<i>Industrial</i>	2,840	0	0	0	0	2,840
<i>Single Family</i>	98,982	0	0	0	0	98,982
<b>Santa Clara</b>						
<i>Single Family</i>	177,584	211,298	37,601	608	128	427,219
<i>Government</i>	139	155	140	51	17	502

	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<i>Other Residential</i>	18,667	23,737	10,654	5,007	1,095	59,160
<i>Education</i>	618	373	144	24	13	1,173
<i>Industrial</i>	2,743	3,181	2,360	855	293	9,433
<i>Religion</i>	373	488	468	174	37	1,540
<i>Commercial</i>	9,498	12,067	9,472	3,243	1,190	35,469
<i>Agriculture</i>	249	303	231	81	31	895
<b>Santa Cruz</b>						
<i>Agriculture</i>	93	201	241	176	128	840
<i>Religion</i>	52	107	110	60	30	359
<i>Other Residential</i>	3,459	5,945	2,714	1,895	880	14,892
<i>Industrial</i>	276	537	562	285	159	1,819
<i>Single Family</i>	21,438	38,095	9,150	179	7	68,870
<i>Education</i>	97	75	35	10	7	225
<i>Commercial</i>	1,284	2,178	1,854	892	487	6,694
<i>Government</i>	28	34	35	20	11	127
<b>Shasta</b>						
<i>Religion</i>	66	0	0	0	0	66
<i>Commercial</i>	5,248	6	0	0	0	5,254
<i>Agriculture</i>	3,232	3	0	0	0	3,235
<i>Single Family</i>	51,798	17	0	0	0	51,815
<i>Other Residential</i>	16,885	61	3	0	0	16,949
<i>Industrial</i>	1,036	2	0	0	0	1,038
<i>Government</i>	87	0	0	0	0	87
<i>Education</i>	136	0	0	0	0	136
<b>Sierra</b>						

	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<i>Single Family</i>	1,858	0	0	0	0	1,858
<i>Other Residential</i>	153	0	0	0	0	153
<i>Industrial</i>	66	0	0	0	0	66
<i>Education</i>	14	0	0	0	0	14
<i>Agriculture</i>	7	0	0	0	0	7
<i>Religion</i>	12	0	0	0	0	12
<i>Commercial</i>	141	0	0	0	0	141
<i>Government</i>	16	0	0	0	0	16
<b>Siskiyou</b>						
<i>Religion</i>	127	0	0	0	0	127
<i>Commercial</i>	1,591	0	0	0	0	1,591
<i>Agriculture</i>	201	0	0	0	0	201
<i>Single Family</i>	17,794	0	0	0	0	17,794
<i>Government</i>	244	0	0	0	0	244
<i>Other Residential</i>	5,095	0	0	0	0	5,095
<i>Industrial</i>	480	0	0	0	0	480
<i>Education</i>	76	0	0	0	0	76
<b>Solano</b>						
<i>Agriculture</i>	219	19	5	2	0	245
<i>Religion</i>	378	53	19	4	0	454
<i>Commercial</i>	6,255	730	232	47	3	7,268
<i>Government</i>	136	14	2	0	0	152
<i>Other Residential</i>	10,306	1,472	471	66	2	12,317
<i>Industrial</i>	1,734	263	84	18	2	2,101
<i>Single Family</i>	112,760	8,122	86	0	0	120,968

	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<b>Sonoma</b>						
<i>Education</i>	215	7	2	1	0	225
<i>Government</i>	182	87	42	7	1	319
<i>Other Residential</i>	15,172	5,837	3,160	817	47	25,033
<i>Education</i>	306	47	9	4	1	367
<i>Religion</i>	343	152	63	16	2	576
<i>Commercial</i>	7,555	2,951	1,177	369	58	12,110
<i>Agriculture</i>	640	348	200	87	28	1,304
<i>Single Family</i>	105,491	34,593	1,923	20	1	142,028
<i>Industrial</i>	2,228	999	456	123	20	3,825
<b>Stanislaus</b>						
<i>Other Residential</i>	18,487	884	181	17	0	19,569
<i>Education</i>	303	3	1	0	0	307
<i>Industrial</i>	3,227	197	46	5	0	3,475
<i>Single Family</i>	139,448	3,263	14	0	0	142,724
<i>Government</i>	648	27	4	0	0	680
<i>Religion</i>	421	27	8	1	0	456
<i>Commercial</i>	9,681	553	126	8	0	10,369
<i>Agriculture</i>	1,165	54	17	3	0	1,239
<b>Sutter</b>						
<i>Other Residential</i>	3,092	20	1	0	0	3,113
<i>Government</i>	77	0	0	0	0	77
<i>Education</i>	62	0	0	0	0	62
<i>Industrial</i>	632	4	0	0	0	636
<i>Single Family</i>	24,472	40	0	0	0	24,512

	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<i>Agriculture</i>	1,109	13	2	0	0	1,125
<i>Commercial</i>	2,044	7	0	0	0	2,052
<i>Religion</i>	153	1	0	0	0	154
<b>Tehama</b>						
<i>Religion</i>	110	0	0	0	0	110
<i>Agriculture</i>	299	0	0	0	0	299
<i>Single Family</i>	21,211	10	0	0	0	21,222
<i>Other Residential</i>	3,972	18	1	0	0	3,991
<i>Industrial</i>	551	1	0	0	0	552
<i>Education</i>	57	0	0	0	0	57
<i>Commercial</i>	1,268	2	0	0	0	1,270
<i>Government</i>	50	0	0	0	0	50
<b>Trinity</b>						
<i>Agriculture</i>	4	0	0	0	0	4
<i>Commercial</i>	1,004	1	0	0	0	1,005
<i>Religion</i>	45	0	0	0	0	45
<i>Industrial</i>	58	0	0	0	0	58
<i>Single Family</i>	6,291	3	0	0	0	6,294
<i>Other Residential</i>	1,337	16	1	0	0	1,354
<i>Education</i>	26	0	0	0	0	26
<i>Government</i>	8	0	0	0	0	8
<b>Tulare</b>						
<i>Religion</i>	827	0	0	0	0	827
<i>Commercial</i>	8,871	2	0	0	0	8,873
<i>Agriculture</i>	3,554	1	0	0	0	3,555

	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<i>Government</i>	461	0	0	0	0	461
<i>Single Family</i>	112,034	0	0	0	0	112,034
<i>Education</i>	269	0	0	0	0	269
<i>Industrial</i>	2,147	1	0	0	0	2,148
<i>Other Residential</i>	20,013	9	0	0	0	20,022
<b>Tuolumne</b>						
<i>Education</i>	57	0	0	0	0	57
<i>Government</i>	143	0	0	0	0	143
<i>Commercial</i>	1,576	0	0	0	0	1,576
<i>Religion</i>	121	0	0	0	0	121
<i>Agriculture</i>	82	0	0	0	0	82
<i>Other Residential</i>	4,961	1	0	0	0	4,962
<i>Industrial</i>	383	0	0	0	0	383
<i>Single Family</i>	21,645	0	0	0	0	21,645
<b>Yolo</b>						
<i>Education</i>	130	1	0	0	0	131
<i>Government</i>	108	3	0	0	0	111
<i>Industrial</i>	1,084	29	4	0	0	1,117
<i>Other Residential</i>	9,679	169	13	0	0	9,861
<i>Single Family</i>	42,164	425	0	0	0	42,589
<i>Commercial</i>	4,118	95	12	0	0	4,225
<i>Agriculture</i>	271	7	2	0	0	281
<i>Religion</i>	236	5	1	0	0	242
<b>Yuba</b>						
<i>Other Residential</i>	6,999	21	1	0	0	7,021

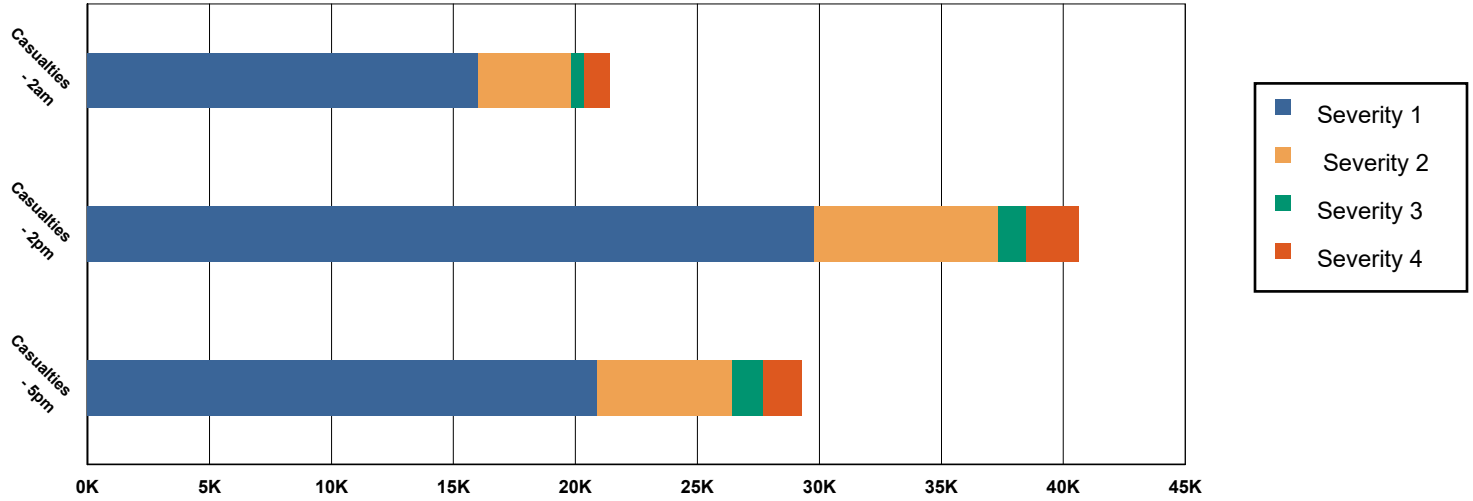
	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<i>Government</i>	591	0	0	0	0	591
<i>Education</i>	54	0	0	0	0	54
<i>Agriculture</i>	92	0	0	0	0	92
<i>Religion</i>	98	0	0	0	0	98
<i>Commercial</i>	1,195	4	0	0	0	1,199
<i>Industrial</i>	403	1	0	0	0	404
<i>Single Family</i>	18,857	10	0	0	0	18,867
<b>Total</b>	<b>4,347,452</b>	<b>832,950</b>	<b>233,913</b>	<b>51,276</b>	<b>23,490</b>	<b>5,489,080</b>
<b>Region Total</b>	<b>4,347,452</b>	<b>832,950</b>	<b>233,913</b>	<b>51,276</b>	<b>23,490</b>	<b>5,489,080</b>

Totals only reflect data for those census tracts/blocks included in the user's study region and will reflect the entire county/state only if all of the census blocks for that county/states were selected at the time of study region creation.

## Casualties Summary Report

June 10, 2024

### Region Total Casualties



### Injury Severity Level

Severity 1      Severity 2      Severity 3      Severity 4      Total

#### California

##### Alameda

##### Casualties - 2am

	Severity 1	Severity 2	Severity 3	Severity 4	Total
Single Family	168	6	0	1	174
Commuting	0	0	0	0	0
Hotels	1	0	0	0	1
Educational	0	0	0	0	0
Industrial	39	10	1	3	52
Commercial	40	9	1	3	53
Other-Residential	1,074	241	33	66	1,414
<b>Total Casualties - 2am</b>	<b>1,321</b>	<b>266</b>	<b>37</b>	<b>72</b>	<b>1,695</b>

##### Casualties - 2pm

	Severity 1	Severity 2	Severity 3	Severity 4	Total
Industrial	284	71	11	21	387
Educational	445	101	14	28	589
Other-Residential	347	79	11	21	459
Single Family	46	2	0	0	48
Hotels	0	0	0	0	0
Commercial	2,532	601	86	168	3,386
Commuting	0	1	1	0	2

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Alameda</b>					
<b>Total Casualties - 2pm</b>	<b>3,656</b>	<b>855</b>	<b>123</b>	<b>238</b>	<b>4,872</b>
<b>Casualties - 5pm</b>					
<i>Commuting</i>	10	12	21	4	46
<i>Single Family</i>	61	2	0	0	63
<i>Commercial</i>	1,719	406	58	112	2,296
<i>Hotels</i>	0	0	0	0	0
<i>Educational</i>	44	8	1	2	54
<i>Industrial</i>	178	45	7	13	242
<i>Other-Residential</i>	421	97	14	26	558
<b>Total Casualties - 5pm</b>	<b>2,433</b>	<b>569</b>	<b>101</b>	<b>158</b>	<b>3,260</b>
<b>Alpine</b>					
<b>Casualties - 2am</b>					
<i>Industrial</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 2pm</b>					
<i>Educational</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 5pm</b>					
<i>Industrial</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Amador</b>					
<b>Casualties - 2am</b>					
<i>Other-Residential</i>	0	0	0	0	0

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Amador</b>					
<b>Casualties - 2am</b>					
Commercial	0	0	0	0	0
Single Family	0	0	0	0	0
Commuting	0	0	0	0	0
Educational	0	0	0	0	0
Hotels	0	0	0	0	0
Industrial	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 2pm</b>					
Single Family	0	0	0	0	0
Commuting	0	0	0	0	0
Hotels	0	0	0	0	0
Educational	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	0	0	0	0	0
Other-Residential	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 5pm</b>					
Commuting	0	0	0	0	0
Other-Residential	0	0	0	0	0
Single Family	0	0	0	0	0
Commercial	0	0	0	0	0
Hotels	0	0	0	0	0
Educational	0	0	0	0	0
Industrial	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Butte</b>					
<b>Casualties - 2am</b>					
Industrial	0	0	0	0	0
Other-Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Single Family	0	0	0	0	0
Commuting	0	0	0	0	0
Educational	0	0	0	0	0
Hotels	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 2pm</b>					
Commuting	0	0	0	0	0
Single Family	0	0	0	0	0
Educational	0	0	0	0	0
Other-Residential	0	0	0	0	0
Hotels	0	0	0	0	0

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Butte</b>					
<b>Casualties - 2pm</b>					
Commercial	0	0	0	0	0
Industrial	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 5pm</b>					
Industrial	0	0	0	0	0
Other-Residential	0	0	0	0	0
Single Family	0	0	0	0	0
Commuting	0	0	0	0	0
Commercial	0	0	0	0	0
Hotels	0	0	0	0	0
Educational	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Calaveras</b>					
<b>Casualties - 2am</b>					
Other-Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Commuting	0	0	0	0	0
Single Family	0	0	0	0	0
Hotels	0	0	0	0	0
Educational	0	0	0	0	0
Industrial	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 2pm</b>					
Hotels	0	0	0	0	0
Single Family	0	0	0	0	0
Commuting	0	0	0	0	0
Educational	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	0	0	0	0	0
Other-Residential	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 5pm</b>					
Industrial	0	0	0	0	0
Commercial	0	0	0	0	0
Other-Residential	0	0	0	0	0
Educational	0	0	0	0	0
Hotels	0	0	0	0	0
Commuting	0	0	0	0	0
Single Family	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Colusa</b>					
<b>Casualties - 2am</b>					
<i>Other-Residential</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 2pm</b>					
<i>Educational</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 5pm</b>					
<i>Industrial</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Contra Costa</b>					
<b>Casualties - 2am</b>					
<i>Educational</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Industrial</i>	3	1	0	0	4
<i>Other-Residential</i>	76	14	2	4	95
<i>Commercial</i>	4	1	0	0	5
<i>Single Family</i>	56	1	0	0	57
<i>Commuting</i>	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>139</b>	<b>16</b>	<b>2</b>	<b>4</b>	<b>161</b>
<b>Casualties - 2pm</b>					
<i>Other-Residential</i>	24	4	1	1	30
<i>Industrial</i>	23	5	1	1	30
<i>Hotels</i>	0	0	0	0	0
<i>Educational</i>	40	7	1	2	50

## Injury Severity Level

Severity 1      Severity 2      Severity 3      Severity 4      Total

### California

#### Contra Costa

##### Casualties - 2pm

Single Family	16	0	0	0	16
Commercial	259	53	7	14	333
Commuting	0	0	0	0	1
<b>Total Casualties - 2pm</b>	<b>362</b>	<b>70</b>	<b>10</b>	<b>18</b>	<b>460</b>

##### Casualties - 5pm

Educational	3	0	0	0	3
Commuting	3	4	7	1	16
Single Family	20	0	0	0	20
Hotels	0	0	0	0	0
Industrial	15	3	0	1	19
Commercial	186	38	5	10	240
Other-Residential	29	5	1	1	37
<b>Total Casualties - 5pm</b>	<b>256</b>	<b>51</b>	<b>14</b>	<b>14</b>	<b>335</b>

#### Del Norte

##### Casualties - 2am

Hotels	0	0	0	0	0
Industrial	0	0	0	0	0
Commercial	0	0	0	0	0
Single Family	0	0	0	0	0
Commuting	0	0	0	0	0
Other-Residential	0	0	0	0	0
Educational	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

##### Casualties - 2pm

Commercial	0	0	0	0	0
Industrial	0	0	0	0	0
Other-Residential	0	0	0	0	0
Single Family	0	0	0	0	0
Commuting	0	0	0	0	0
Educational	0	0	0	0	0
Hotels	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

##### Casualties - 5pm

Hotels	0	0	0	0	0
Educational	0	0	0	0	0
Industrial	0	0	0	0	0
Single Family	0	0	0	0	0
Other-Residential	0	0	0	0	0
Commuting	0	0	0	0	0
Commercial	0	0	0	0	0

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Del Norte</b>					
<b>Total Casualties - 5pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>El Dorado</b>					
<b>Casualties - 2am</b>					
<i>Commuting</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 2pm</b>					
<i>Industrial</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 5pm</b>					
<i>Commuting</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Fresno</b>					
<b>Casualties - 2am</b>					
<i>Hotels</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Other-Residential</i>	1	0	0	0	1
<i>Commuting</i>	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
<b>Casualties - 2pm</b>					
<i>Commercial</i>	2	0	0	0	2

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Fresno</b>					
<b>Casualties - 2pm</b>					
<i>Industrial</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>
<b>Casualties - 5pm</b>					
<i>Hotels</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Commercial</i>	1	0	0	0	1
<b>Total Casualties - 5pm</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>
<b>Glenn</b>					
<b>Casualties - 2am</b>					
<i>Educational</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 2pm</b>					
<i>Other-Residential</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 5pm</b>					
<i>Educational</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Glenn</b>					
<b>Casualties - 5pm</b>					
Commercial	0	0	0	0	0
Other-Residential	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Humboldt</b>					
<b>Casualties - 2am</b>					
Commercial	0	0	0	0	0
Single Family	4	0	0	0	4
Commuting	0	0	0	0	0
Hotels	0	0	0	0	0
Educational	0	0	0	0	0
Industrial	0	0	0	0	0
Other-Residential	5	1	0	0	6
<b>Total Casualties - 2am</b>	<b>10</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>11</b>
<b>Casualties - 2pm</b>					
Industrial	1	0	0	0	1
Hotels	0	0	0	0	0
Commercial	8	1	0	0	9
Other-Residential	2	0	0	0	2
Single Family	1	0	0	0	1
Commuting	0	0	0	0	0
Educational	2	0	0	0	2
<b>Total Casualties - 2pm</b>	<b>15</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>17</b>
<b>Casualties - 5pm</b>					
Other-Residential	2	0	0	0	2
Commercial	5	1	0	0	6
Hotels	0	0	0	0	0
Commuting	0	0	0	0	0
Single Family	1	0	0	0	1
Educational	0	0	0	0	0
Industrial	1	0	0	0	1
<b>Total Casualties - 5pm</b>	<b>10</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>11</b>
<b>Inyo</b>					
<b>Casualties - 2am</b>					
Single Family	0	0	0	0	0
Commercial	0	0	0	0	0
Commuting	0	0	0	0	0
Educational	0	0	0	0	0
Hotels	0	0	0	0	0
Other-Residential	0	0	0	0	0
Industrial	0	0	0	0	0

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Inyo</b>					
<b>Total Casualties - 2am</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 2pm</b>					
<i>Industrial</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 5pm</b>					
<i>Other-Residential</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Kern</b>					
<b>Casualties - 2am</b>					
<i>Commercial</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 2pm</b>					
<i>Commuting</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 5pm</b>					
<i>Single Family</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Kern</b>					
<b>Casualties - 5pm</b>					
<i>Commuting</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Kings</b>					
<b>Casualties - 2am</b>					
<i>Industrial</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 2pm</b>					
<i>Single Family</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 5pm</b>					
<i>Commercial</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Lake</b>					
<b>Casualties - 2am</b>					
<i>Hotels</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<i>Other-Residential</i>	2	0	0	0	3
<i>Commuting</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Lake</b>					
<b>Casualties - 2am</b>					
<i>Educational</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>
<b>Casualties - 2pm</b>					
<i>Industrial</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Commercial</i>	1	0	0	0	1
<i>Other-Residential</i>	1	0	0	0	1
<i>Hotels</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>
<b>Casualties - 5pm</b>					
<i>Industrial</i>	0	0	0	0	0
<i>Other-Residential</i>	1	0	0	0	1
<i>Commercial</i>	1	0	0	0	1
<i>Commuting</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>
<b>Lassen</b>					
<b>Casualties - 2am</b>					
<i>Hotels</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 2pm</b>					
<i>Industrial</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Lassen</b>					
<b>Casualties - 5pm</b>					
<i>Industrial</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Madera</b>					
<b>Casualties - 2am</b>					
<i>Hotels</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
<b>Casualties - 2pm</b>					
<i>Industrial</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Commercial</i>	1	0	0	0	1
<i>Hotels</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
<b>Casualties - 5pm</b>					
<i>Industrial</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	1
<i>Single Family</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
<b>Marin</b>					
<b>Casualties - 2am</b>					
<i>Commercial</i>	5	1	0	0	7
<i>Commuting</i>	0	0	0	0	0
<i>Other-Residential</i>	67	12	1	3	83

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Marin</b>					
<b>Casualties - 2am</b>					
<i>Educational</i>	0	0	0	0	0
<i>Single Family</i>	59	3	0	0	62
<i>Hotels</i>	0	0	0	0	0
<i>Industrial</i>	4	1	0	0	6
<b>Total Casualties - 2am</b>	<b>136</b>	<b>17</b>	<b>2</b>	<b>3</b>	<b>158</b>
<b>Casualties - 2pm</b>					
<i>Commuting</i>	0	0	0	0	1
<i>Hotels</i>	0	0	0	0	0
<i>Educational</i>	42	7	1	2	52
<i>Industrial</i>	33	7	1	2	43
<i>Other-Residential</i>	24	4	1	1	30
<i>Commercial</i>	329	75	10	20	434
<i>Single Family</i>	20	1	0	0	21
<b>Total Casualties - 2pm</b>	<b>447</b>	<b>95</b>	<b>13</b>	<b>25</b>	<b>580</b>
<b>Casualties - 5pm</b>					
<i>Commercial</i>	210	48	7	13	277
<i>Commuting</i>	3	4	7	1	16
<i>Other-Residential</i>	25	5	1	1	32
<i>Single Family</i>	22	1	0	0	23
<i>Industrial</i>	21	5	1	1	27
<i>Educational</i>	4	0	0	0	4
<i>Hotels</i>	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>284</b>	<b>63</b>	<b>15</b>	<b>17</b>	<b>378</b>
<b>Mariposa</b>					
<b>Casualties - 2am</b>					
<i>Single Family</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 2pm</b>					
<i>Hotels</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Mariposa</b>					
<b>Total Casualties - 2pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 5pm</b>					
<i>Other-Residential</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Mendocino</b>					
<b>Casualties - 2am</b>					
<i>Commuting</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Industrial</i>	1	0	0	0	1
<i>Other-Residential</i>	28	4	0	0	32
<i>Single Family</i>	11	1	0	0	12
<i>Commercial</i>	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>40</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>45</b>
<b>Casualties - 2pm</b>					
<i>Industrial</i>	4	1	0	0	5
<i>Other-Residential</i>	10	1	0	0	12
<i>Commercial</i>	24	3	0	0	27
<i>Single Family</i>	4	0	0	0	4
<i>Commuting</i>	0	0	0	0	0
<i>Educational</i>	4	0	0	0	4
<i>Hotels</i>	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>46</b>	<b>6</b>	<b>0</b>	<b>1</b>	<b>53</b>
<b>Casualties - 5pm</b>					
<i>Hotels</i>	0	0	0	0	0
<i>Single Family</i>	4	0	0	0	4
<i>Educational</i>	0	0	0	0	0
<i>Commuting</i>	1	2	3	1	6
<i>Commercial</i>	15	2	0	0	17
<i>Industrial</i>	3	0	0	0	3
<i>Other-Residential</i>	10	1	0	0	12
<b>Total Casualties - 5pm</b>	<b>33</b>	<b>6</b>	<b>3</b>	<b>1</b>	<b>42</b>
<b>Merced</b>					
<b>Casualties - 2am</b>					
<i>Hotels</i>	0	0	0	0	0

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Merced</b>					
<b>Casualties - 2am</b>					
<i>Industrial</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Single Family</i>	3	0	0	0	3
<i>Other-Residential</i>	3	0	0	0	3
<i>Educational</i>	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>
<b>Casualties - 2pm</b>					
<i>Other-Residential</i>	1	0	0	0	1
<i>Industrial</i>	1	0	0	0	1
<i>Commercial</i>	33	3	0	0	36
<i>Commuting</i>	0	0	0	0	0
<i>Single Family</i>	1	0	0	0	1
<i>Hotels</i>	0	0	0	0	0
<i>Educational</i>	2	0	0	0	2
<b>Total Casualties - 2pm</b>	<b>38</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>42</b>
<b>Casualties - 5pm</b>					
<i>Industrial</i>	1	0	0	0	1
<i>Educational</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Commercial</i>	26	3	0	0	29
<i>Commuting</i>	0	0	0	0	0
<i>Single Family</i>	1	0	0	0	1
<i>Other-Residential</i>	1	0	0	0	1
<b>Total Casualties - 5pm</b>	<b>29</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>32</b>
<b>Mono</b>					
<b>Casualties - 2am</b>					
<i>Other-Residential</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 2pm</b>					
<i>Commercial</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Mono</b>					
<b>Casualties - 2pm</b>					
<i>Hotels</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 5pm</b>					
<i>Industrial</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Monterey</b>					
<b>Casualties - 2am</b>					
<i>Other-Residential</i>	276	63	8	14	361
<i>Commuting</i>	0	0	0	0	0
<i>Single Family</i>	66	3	0	0	69
<i>Commercial</i>	5	1	0	0	7
<i>Hotels</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Industrial</i>	6	2	0	0	8
<b>Total Casualties - 2am</b>	<b>353</b>	<b>69</b>	<b>8</b>	<b>15</b>	<b>445</b>
<b>Casualties - 2pm</b>					
<i>Commercial</i>	355	93	14	28	491
<i>Single Family</i>	18	1	0	0	19
<i>Commuting</i>	0	0	1	0	2
<i>Hotels</i>	0	0	0	0	0
<i>Educational</i>	85	17	2	4	108
<i>Industrial</i>	45	12	2	3	61
<i>Other-Residential</i>	80	19	2	4	106
<b>Total Casualties - 2pm</b>	<b>583</b>	<b>141</b>	<b>21</b>	<b>40</b>	<b>787</b>
<b>Casualties - 5pm</b>					
<i>Commercial</i>	263	69	11	21	363
<i>Other-Residential</i>	104	24	3	6	137
<i>Industrial</i>	28	7	1	2	38
<i>Hotels</i>	0	0	0	0	0
<i>Commuting</i>	6	9	14	3	32
<i>Single Family</i>	24	1	0	0	25
<i>Educational</i>	19	4	0	1	25
<b>Total Casualties - 5pm</b>	<b>444</b>	<b>114</b>	<b>29</b>	<b>32</b>	<b>619</b>

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Napa</b>					
<b>Casualties - 2am</b>					
Commercial	0	0	0	0	0
Other-Residential	7	1	0	0	7
Educational	0	0	0	0	0
Single Family	4	0	0	0	4
Commuting	0	0	0	0	0
Hotels	0	0	0	0	0
Industrial	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>11</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>12</b>
<b>Casualties - 2pm</b>					
Educational	3	0	0	0	3
Commuting	0	0	0	0	0
Hotels	0	0	0	0	0
Industrial	2	0	0	0	2
Other-Residential	2	0	0	0	2
Single Family	1	0	0	0	1
Commercial	13	1	0	0	15
<b>Total Casualties - 2pm</b>	<b>21</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>24</b>
<b>Casualties - 5pm</b>					
Commercial	8	1	0	0	9
Other-Residential	2	0	0	0	3
Single Family	1	0	0	0	1
Commuting	0	0	0	0	0
Industrial	1	0	0	0	1
Educational	0	0	0	0	0
Hotels	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>13</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>15</b>
<b>Nevada</b>					
<b>Casualties - 2am</b>					
Single Family	0	0	0	0	0
Commuting	0	0	0	0	0
Commercial	0	0	0	0	0
Hotels	0	0	0	0	0
Educational	0	0	0	0	0
Industrial	0	0	0	0	0
Other-Residential	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 2pm</b>					
Hotels	0	0	0	0	0
Industrial	0	0	0	0	0
Commercial	0	0	0	0	0
Commuting	0	0	0	0	0

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Nevada</b>					
<b>Casualties - 2pm</b>					
Single Family	0	0	0	0	0
Other-Residential	0	0	0	0	0
Educational	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 5pm</b>					
Commuting	0	0	0	0	0
Hotels	0	0	0	0	0
Other-Residential	0	0	0	0	0
Educational	0	0	0	0	0
Single Family	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Placer</b>					
<b>Casualties - 2am</b>					
Hotels	0	0	0	0	0
Educational	0	0	0	0	0
Industrial	0	0	0	0	0
Other-Residential	0	0	0	0	0
Single Family	0	0	0	0	0
Commuting	0	0	0	0	0
Commercial	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 2pm</b>					
Industrial	0	0	0	0	0
Other-Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Single Family	0	0	0	0	0
Educational	0	0	0	0	0
Commuting	0	0	0	0	0
Hotels	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 5pm</b>					
Single Family	0	0	0	0	0
Commuting	0	0	0	0	0
Hotels	0	0	0	0	0
Educational	0	0	0	0	0
Commercial	0	0	0	0	0
Industrial	0	0	0	0	0
Other-Residential	0	0	0	0	0

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Placer</b>					
<b>Total Casualties - 5pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Plumas</b>					
<b>Casualties - 2am</b>					
<i>Educational</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 2pm</b>					
<i>Industrial</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 5pm</b>					
<i>Educational</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Sacramento</b>					
<b>Casualties - 2am</b>					
<i>Industrial</i>	0	0	0	0	0
<i>Other-Residential</i>	2	0	0	0	3
<i>Commercial</i>	0	0	0	0	0
<i>Single Family</i>	1	0	0	0	1
<i>Hotels</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>
<b>Casualties - 2pm</b>					
<i>Other-Residential</i>	1	0	0	0	1

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Sacramento</b>					
<b>Casualties - 2pm</b>					
Single Family	0	0	0	0	0
Commercial	15	1	0	0	16
Commuting	0	0	0	0	0
Educational	0	0	0	0	0
Hotels	0	0	0	0	0
Industrial	1	0	0	0	1
<b>Total Casualties - 2pm</b>	<b>17</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>18</b>
<b>Casualties - 5pm</b>					
Industrial	0	0	0	0	0
Educational	0	0	0	0	0
Hotels	0	0	0	0	0
Commercial	8	1	0	0	9
Other-Residential	1	0	0	0	1
Commuting	0	0	0	0	0
Single Family	1	0	0	0	1
<b>Total Casualties - 5pm</b>	<b>10</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>11</b>
<b>San Benito</b>					
<b>Casualties - 2am</b>					
Other-Residential	26	6	0	1	33
Commercial	2	0	0	0	2
Hotels	0	0	0	0	0
Educational	0	0	0	0	0
Commuting	0	0	0	0	0
Single Family	28	2	0	0	30
Industrial	1	0	0	0	2
<b>Total Casualties - 2am</b>	<b>57</b>	<b>8</b>	<b>1</b>	<b>1</b>	<b>67</b>
<b>Casualties - 2pm</b>					
Educational	103	32	5	11	151
Hotels	0	0	0	0	0
Industrial	9	2	0	1	13
Other-Residential	8	2	0	0	10
Commercial	121	35	6	11	172
Single Family	8	1	0	0	9
Commuting	0	0	0	0	1
<b>Total Casualties - 2pm</b>	<b>250</b>	<b>71</b>	<b>12</b>	<b>22</b>	<b>356</b>
<b>Casualties - 5pm</b>					
Commercial	89	26	4	8	127
Other-Residential	10	2	0	0	12
Commuting	2	4	6	1	13
Single Family	10	1	0	0	11
Industrial	6	1	0	0	8

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>San Benito</b>					
<b>Casualties - 5pm</b>					
<i>Educational</i>	14	4	1	1	21
<i>Hotels</i>	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>132</b>	<b>38</b>	<b>11</b>	<b>11</b>	<b>192</b>
<b>San Francisco</b>					
<b>Casualties - 2am</b>					
<i>Industrial</i>	75	22	3	7	107
<i>Hotels</i>	22	6	1	2	30
<i>Other-Residential</i>	7,073	2,005	306	604	9,988
<i>Commercial</i>	127	35	5	10	177
<i>Commuting</i>	0	0	0	0	0
<i>Single Family</i>	1,681	422	62	122	2,286
<i>Educational</i>	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>8,978</b>	<b>2,489</b>	<b>377</b>	<b>744</b>	<b>12,588</b>
<b>Casualties - 2pm</b>					
<i>Commercial</i>	7,350	2,038	304	594	10,286
<i>Industrial</i>	558	163	26	50	796
<i>Other-Residential</i>	2,282	662	106	198	3,248
<i>Single Family</i>	532	139	21	40	733
<i>Commuting</i>	1	1	1	0	3
<i>Hotels</i>	4	1	0	0	6
<i>Educational</i>	1,667	441	66	127	2,301
<b>Total Casualties - 2pm</b>	<b>12,393</b>	<b>3,445</b>	<b>525</b>	<b>1,009</b>	<b>17,372</b>
<b>Casualties - 5pm</b>					
<i>Hotels</i>	7	2	0	0	9
<i>Educational</i>	533	136	20	38	726
<i>Industrial</i>	349	102	16	31	498
<i>Commuting</i>	12	14	26	5	58
<i>Other-Residential</i>	2,849	828	133	248	4,058
<i>Single Family</i>	671	175	27	50	922
<i>Commercial</i>	4,584	1,283	196	375	6,438
<b>Total Casualties - 5pm</b>	<b>9,004</b>	<b>2,540</b>	<b>418</b>	<b>747</b>	<b>12,709</b>
<b>San Joaquin</b>					
<b>Casualties - 2am</b>					
<i>Commuting</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Single Family</i>	15	1	0	0	15
<i>Other-Residential</i>	5	0	0	0	5

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>San Joaquin</b>					
<b>Total Casualties - 2am</b>	<b>20</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>21</b>
<b>Casualties - 2pm</b>					
<i>Other-Residential</i>	2	0	0	0	2
<i>Industrial</i>	2	0	0	0	2
<i>Educational</i>	2	0	0	0	2
<i>Single Family</i>	5	0	0	0	5
<i>Hotels</i>	0	0	0	0	0
<i>Commercial</i>	9	1	0	0	10
<i>Commuting</i>	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>19</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>20</b>
<b>Casualties - 5pm</b>					
<i>Commuting</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Single Family</i>	6	0	0	0	6
<i>Hotels</i>	0	0	0	0	0
<i>Industrial</i>	1	0	0	0	1
<i>Commercial</i>	6	0	0	0	6
<i>Other-Residential</i>	2	0	0	0	2
<b>Total Casualties - 5pm</b>	<b>14</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>15</b>
<b>San Luis Obispo</b>					
<b>Casualties - 2am</b>					
<i>Industrial</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 2pm</b>					
<i>Educational</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 5pm</b>					
<i>Industrial</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>San Luis Obispo</b>					
<b>Casualties - 5pm</b>					
<i>Commuting</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>San Mateo</b>					
<b>Casualties - 2am</b>					
<i>Industrial</i>	52	14	2	4	72
<i>Other-Residential</i>	1,431	344	46	91	1,912
<i>Single Family</i>	606	62	1	2	672
<i>Commercial</i>	48	13	2	4	66
<i>Educational</i>	0	0	0	0	0
<i>Hotels</i>	3	1	0	0	4
<i>Commuting</i>	0	1	1	0	2
<b>Total Casualties - 2am</b>	<b>2,140</b>	<b>433</b>	<b>53</b>	<b>101</b>	<b>2,727</b>
<b>Casualties - 2pm</b>					
<i>Other-Residential</i>	444	108	15	28	595
<i>Single Family</i>	178	19	0	1	197
<i>Commuting</i>	4	5	9	2	19
<i>Commercial</i>	3,337	890	136	266	4,630
<i>Hotels</i>	1	0	0	0	1
<i>Educational</i>	747	178	26	50	1,001
<i>Industrial</i>	383	100	15	29	526
<b>Total Casualties - 2pm</b>	<b>5,094</b>	<b>1,300</b>	<b>201</b>	<b>375</b>	<b>6,970</b>
<b>Casualties - 5pm</b>					
<i>Industrial</i>	239	63	9	18	329
<i>Commercial</i>	2,458	660	102	196	3,416
<i>Other-Residential</i>	558	135	19	35	747
<i>Single Family</i>	231	24	1	1	256
<i>Commuting</i>	83	111	187	36	417
<i>Educational</i>	72	15	2	4	93
<i>Hotels</i>	1	0	0	0	1
<b>Total Casualties - 5pm</b>	<b>3,642</b>	<b>1,008</b>	<b>320</b>	<b>290</b>	<b>5,259</b>
<b>Santa Barbara</b>					
<b>Casualties - 2am</b>					
<i>Industrial</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Santa Barbara</b>					
<b>Casualties - 2am</b>					
Single Family	0	0	0	0	0
Hotels	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 2pm</b>					
Commercial	0	0	0	0	0
Other-Residential	0	0	0	0	0
Educational	0	0	0	0	0
Single Family	0	0	0	0	0
Commuting	0	0	0	0	0
Hotels	0	0	0	0	0
Industrial	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 5pm</b>					
Other-Residential	0	0	0	0	0
Single Family	0	0	0	0	0
Commercial	0	0	0	0	0
Commuting	0	0	0	0	0
Educational	0	0	0	0	0
Industrial	0	0	0	0	0
Hotels	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Santa Clara</b>					
<b>Casualties - 2am</b>					
Educational	0	0	0	0	0
Commuting	0	0	1	0	2
Single Family	656	48	2	4	710
Hotels	1	0	0	0	2
Industrial	62	14	2	4	82
Commercial	45	11	2	3	61
Other-Residential	1,233	264	33	65	1,595
<b>Total Casualties - 2am</b>	<b>1,998</b>	<b>338</b>	<b>40</b>	<b>77</b>	<b>2,452</b>
<b>Casualties - 2pm</b>					
Industrial	453	107	15	29	604
Commercial	2,929	720	104	204	3,957
Hotels	0	0	0	0	0
Other-Residential	401	90	12	23	526
Educational	813	158	19	37	1,027
Single Family	187	15	1	1	204
Commuting	3	4	7	1	16
<b>Total Casualties - 2pm</b>	<b>4,787</b>	<b>1,093</b>	<b>159</b>	<b>296</b>	<b>6,335</b>

## Injury Severity Level

Severity 1      Severity 2      Severity 3      Severity 4      Total

### California

#### Santa Clara

##### Casualties - 5pm

	Severity 1	Severity 2	Severity 3	Severity 4	Total
<i>Industrial</i>	283	67	9	18	377
<i>Hotels</i>	0	0	0	0	1
<i>Other-Residential</i>	474	104	14	26	617
<i>Commercial</i>	1,991	483	70	135	2,679
<i>Single Family</i>	244	19	1	2	265
<i>Commuting</i>	64	89	146	28	327
<i>Educational</i>	154	25	3	5	186
<b>Total Casualties - 5pm</b>	<b>3,210</b>	<b>786</b>	<b>243</b>	<b>214</b>	<b>4,453</b>

#### Santa Cruz

##### Casualties - 2am

<i>Hotels</i>	0	0	0	0	1
<i>Educational</i>	0	0	0	0	0
<i>Industrial</i>	18	5	1	2	26
<i>Other-Residential</i>	477	124	17	33	651
<i>Single Family</i>	119	9	0	0	128
<i>Commuting</i>	0	0	0	0	0
<i>Commercial</i>	14	4	1	1	20
<b>Total Casualties - 2am</b>	<b>630</b>	<b>142</b>	<b>19</b>	<b>36</b>	<b>827</b>

##### Casualties - 2pm

<i>Industrial</i>	136	37	6	11	190
<i>Other-Residential</i>	146	38	5	10	199
<i>Commercial</i>	1,006	279	43	84	1,412
<i>Commuting</i>	1	1	2	0	4
<i>Educational</i>	306	74	10	20	410
<i>Single Family</i>	36	3	0	0	39
<i>Hotels</i>	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>1,630</b>	<b>432</b>	<b>67</b>	<b>126</b>	<b>2,255</b>

##### Casualties - 5pm

<i>Industrial</i>	85	23	4	7	119
<i>Commercial</i>	726	202	32	61	1,021
<i>Other-Residential</i>	183	48	7	13	252
<i>Commuting</i>	16	23	37	7	83
<i>Single Family</i>	45	3	0	0	48
<i>Hotels</i>	0	0	0	0	0
<i>Educational</i>	57	13	2	3	75
<b>Total Casualties - 5pm</b>	<b>1,112</b>	<b>313</b>	<b>81</b>	<b>92</b>	<b>1,598</b>

#### Shasta

##### Casualties - 2am

<i>Other-Residential</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Shasta</b>					
<b>Casualties - 2am</b>					
Commercial	0	0	0	0	0
Hotels	0	0	0	0	0
Educational	0	0	0	0	0
Industrial	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 2pm</b>					
Educational	0	0	0	0	0
Commuting	0	0	0	0	0
Single Family	0	0	0	0	0
Hotels	0	0	0	0	0
Other-Residential	0	0	0	0	0
Industrial	0	0	0	0	0
Commercial	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 5pm</b>					
Hotels	0	0	0	0	0
Commercial	0	0	0	0	0
Commuting	0	0	0	0	0
Single Family	0	0	0	0	0
Educational	0	0	0	0	0
Other-Residential	0	0	0	0	0
Industrial	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Sierra</b>					
<b>Casualties - 2am</b>					
Other-Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Hotels	0	0	0	0	0
Commuting	0	0	0	0	0
Single Family	0	0	0	0	0
Educational	0	0	0	0	0
Industrial	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 2pm</b>					
Hotels	0	0	0	0	0
Educational	0	0	0	0	0
Industrial	0	0	0	0	0
Other-Residential	0	0	0	0	0
Commuting	0	0	0	0	0
Single Family	0	0	0	0	0
Commercial	0	0	0	0	0

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Sierra</b>					
<b>Total Casualties - 2pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 5pm</b>					
<i>Commuting</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Siskiyou</b>					
<b>Casualties - 2am</b>					
<i>Educational</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 2pm</b>					
<i>Industrial</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 5pm</b>					
<i>Hotels</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Solano</b>					
<b>Casualties - 2am</b>					
<i>Industrial</i>	1	0	0	0	1

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Solano</b>					
<b>Casualties - 2am</b>					
<i>Other-Residential</i>	13	1	0	0	15
<i>Commercial</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Single Family</i>	12	0	0	0	12
<i>Hotels</i>	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>25</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>27</b>
<b>Casualties - 2pm</b>					
<i>Single Family</i>	3	0	0	0	3
<i>Other-Residential</i>	4	0	0	0	5
<i>Commercial</i>	22	2	0	0	25
<i>Hotels</i>	0	0	0	0	0
<i>Educational</i>	5	1	0	0	6
<i>Commuting</i>	0	0	0	0	0
<i>Industrial</i>	4	0	0	0	4
<b>Total Casualties - 2pm</b>	<b>38</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>43</b>
<b>Casualties - 5pm</b>					
<i>Other-Residential</i>	5	1	0	0	5
<i>Commercial</i>	16	2	0	0	19
<i>Single Family</i>	4	0	0	0	4
<i>Commuting</i>	0	0	1	0	2
<i>Educational</i>	1	0	0	0	1
<i>Hotels</i>	0	0	0	0	0
<i>Industrial</i>	2	0	0	0	3
<b>Total Casualties - 5pm</b>	<b>29</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>34</b>
<b>Sonoma</b>					
<b>Casualties - 2am</b>					
<i>Single Family</i>	50	1	0	0	51
<i>Other-Residential</i>	83	11	1	2	96
<i>Commuting</i>	0	0	0	0	0
<i>Commercial</i>	3	1	0	0	4
<i>Hotels</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Industrial</i>	5	1	0	0	6
<b>Total Casualties - 2am</b>	<b>141</b>	<b>13</b>	<b>1</b>	<b>2</b>	<b>157</b>
<b>Casualties - 2pm</b>					
<i>Educational</i>	43	6	1	1	51
<i>Single Family</i>	15	0	0	0	16
<i>Commuting</i>	0	0	0	0	1
<i>Hotels</i>	0	0	0	0	0
<i>Industrial</i>	33	6	1	1	41

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Sonoma</b>					
<b>Casualties - 2pm</b>					
Commercial	225	43	5	10	283
Other-Residential	25	3	0	1	29
<b>Total Casualties - 2pm</b>	<b>342</b>	<b>59</b>	<b>7</b>	<b>13</b>	<b>420</b>
<b>Casualties - 5pm</b>					
Commercial	157	30	4	7	198
Single Family	18	0	0	0	18
Commuting	2	3	5	1	11
Hotels	0	0	0	0	0
Educational	7	1	0	0	7
Industrial	21	4	0	1	26
Other-Residential	31	4	0	1	36
<b>Total Casualties - 5pm</b>	<b>236</b>	<b>42</b>	<b>9</b>	<b>9</b>	<b>296</b>
<b>Stanislaus</b>					
<b>Casualties - 2am</b>					
Hotels	0	0	0	0	0
Industrial	0	0	0	0	0
Commercial	0	0	0	0	0
Single Family	5	0	0	0	5
Other-Residential	6	0	0	0	7
Commuting	0	0	0	0	0
Educational	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12</b>
<b>Casualties - 2pm</b>					
Industrial	2	0	0	0	2
Other-Residential	2	0	0	0	2
Commercial	10	1	0	0	11
Educational	3	0	0	0	3
Commuting	0	0	0	0	0
Single Family	1	0	0	0	1
Hotels	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>19</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>20</b>
<b>Casualties - 5pm</b>					
Industrial	1	0	0	0	2
Other-Residential	2	0	0	0	2
Single Family	2	0	0	0	2
Commercial	7	1	0	0	8
Commuting	0	0	0	0	0
Hotels	0	0	0	0	0
Educational	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>13</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>14</b>

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Sutter</b>					
<b>Casualties - 2am</b>					
<i>Commuting</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 2pm</b>					
<i>Industrial</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 5pm</b>					
<i>Commuting</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Tehama</b>					
<b>Casualties - 2am</b>					
<i>Hotels</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 2pm</b>					
<i>Industrial</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Tehama</b>					
<b>Casualties - 2pm</b>					
<i>Commuting</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 5pm</b>					
<i>Hotels</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Trinity</b>					
<b>Casualties - 2am</b>					
<i>Commercial</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 2pm</b>					
<i>Commuting</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 5pm</b>					
<i>Single Family</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Trinity</b>					
<b>Total Casualties - 5pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Tulare</b>					
<b>Casualties - 2am</b>					
<i>Commercial</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 2pm</b>					
<i>Industrial</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 5pm</b>					
<i>Other-Residential</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Tuolumne</b>					
<b>Casualties - 2am</b>					
<i>Other-Residential</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 2pm</b>					
<i>Other-Residential</i>	0	0	0	0	0

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Tuolumne</b>					
<b>Casualties - 2pm</b>					
Commercial	0	0	0	0	0
Single Family	0	0	0	0	0
Commuting	0	0	0	0	0
Educational	0	0	0	0	0
Industrial	0	0	0	0	0
Hotels	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 5pm</b>					
Industrial	0	0	0	0	0
Other-Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Hotels	0	0	0	0	0
Educational	0	0	0	0	0
Commuting	0	0	0	0	0
Single Family	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Yolo</b>					
<b>Casualties - 2am</b>					
Single Family	1	0	0	0	1
Other-Residential	1	0	0	0	1
Commercial	0	0	0	0	0
Commuting	0	0	0	0	0
Educational	0	0	0	0	0
Hotels	0	0	0	0	0
Industrial	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>
<b>Casualties - 2pm</b>					
Industrial	0	0	0	0	0
Educational	1	0	0	0	1
Hotels	0	0	0	0	0
Commercial	1	0	0	0	1
Commuting	0	0	0	0	0
Other-Residential	0	0	0	0	0
Single Family	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>
<b>Casualties - 5pm</b>					
Single Family	0	0	0	0	0
Other-Residential	0	0	0	0	0
Commuting	0	0	0	0	0
Commercial	1	0	0	0	1
Hotels	0	0	0	0	0

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Yolo</b>					
<b>Casualties - 5pm</b>					
<i>Educational</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>
<b>Yuba</b>					
<b>Casualties - 2am</b>					
<i>Industrial</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 2pm</b>					
<i>Commercial</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Casualties - 5pm</b>					
<i>Hotels</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Region Total</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>

Totals only reflect data for those census tracts/blocks included in the user's study region and will reflect the entire county/state only if all of the census blocks for that county/states were selected at the time of study region creation.

## Debris Summary Report

June 10, 2024

All values are in thousands of tons.

	Brick, Wood & Others	Concrete & Steel	Total
<b>California</b>			
Alameda	878	2,146	3,024
Alpine	0	0	0
Amador	0	0	0
Butte	0	0	0
Calaveras	0	0	0
Colusa	0	0	0
Contra Costa	103	229	333
Del Norte	0	0	0
El Dorado	0	0	0
Fresno	2	2	4
Glenn	0	0	0
Humboldt	13	30	43
Inyo	0	0	0
Kern	0	0	0
Kings	0	0	0
Lake	3	2	5
Lassen	0	0	0
Madera	1	1	2
Marin	138	254	392

	Brick, Wood & Others	Concrete & Steel	Total
Mariposa	0	0	0
Mendocino	38	54	92
Merced	11	41	52
Mono	0	0	0
Monterey	200	482	682
Napa	12	22	34
Nevada	0	0	0
Placer	0	0	0
Plumas	0	0	0
Sacramento	5	7	12
San Benito	54	129	183
San Francisco	3,028	5,120	8,148
San Joaquin	27	13	40
San Luis Obispo	0	0	0
San Mateo	1,014	2,790	3,804
Santa Barbara	0	0	0
Santa Clara	1,214	2,693	3,907
Santa Cruz	393	1,045	1,438
Shasta	0	0	0
Sierra	0	0	0
Siskiyou	0	0	0
Solano	25	42	68
Sonoma	148	292	441
Stanislaus	13	22	35
Sutter	0	0	0
Tehama	0	0	0

	Brick, Wood & Others	Concrete & Steel	Total
Trinity	0	0	0
Tulare	0	0	0
Tuolumne	0	0	0
Yolo	2	2	4
Yuba	0	0	0
<b>Total</b>	<b>7,324</b>	<b>15,418</b>	<b>22,742</b>
<b>Region Total</b>	<b>7,324</b>	<b>15,418</b>	<b>22,742</b>

*Totals only reflect data for those census tracts/blocks included in the user's study region and will reflect the entire county/state only if all of the census blocks for that county/states were selected at the time of study region creation.*

## Direct Economic Losses For Buildings

June 10, 2024

All values are in thousands of dollars

	Capital Stock Losses				Loss Ratio %	Income Losses				Total Loss
	Cost Structural Damage	Cost Non-struct. Damage	Cost Contents Damage	Inventory Loss		Relocation Loss	Capital Related Loss	Wages Losses	Rental Income Loss	
<b>California</b>										
Inyo	0	0	0	0	0.00	0	0	0	0	0
Contra Costa	269,116	1,494,000	703,650	58,573	0.81	92,777	57,777	77,147	58,011	2,811,051
Mendocino	72,701	365,783	156,134	14,086	1.93	30,842	24,513	27,958	19,180	711,199
Napa	27,693	164,734	82,695	8,746	0.57	9,549	7,264	8,851	6,548	316,081
Siskiyou	0	32	24	2	0.00	0	0	0	0	59
Plumas	0	1	0	0	0.00	0	0	0	0	1
Colusa	282	3,334	2,043	365	0.08	64	109	112	79	6,389
Shasta	162	2,943	1,644	272	0.01	17	17	18	28	5,102
Trinity	22	429	242	35	0.01	3	1	1	3	734

	Capital Stock Losses				Loss Ratio %	Income Losses				Total Loss
	Cost Structural Damage	Cost Non-struct. Damage	Cost Contents Damage	Inventory Loss		Relocation Loss	Capital Related Loss	Wages Losses	Rental Income Loss	
<b>Tehama</b>	63	1,061	609	98	0.01	8	6	6	11	1,862
<b>Alameda</b>	1,938,347	7,418,354	3,190,790	272,253	2.81	804,213	559,739	737,011	523,550	15,444,257
<b>Humboldt</b>	31,128	142,646	64,360	5,341	0.62	12,002	7,511	8,103	7,435	278,526
<b>Del Norte</b>	0	50	29	1	0.00	0	0	0	0	81
<b>Nevada</b>	0	41	29	3	0.00	0	0	0	0	73
<b>San Joaquin</b>	31,762	235,807	130,715	16,184	0.19	9,108	5,675	7,150	5,765	442,165
<b>Tuolumne</b>	1	91	59	5	0.00	0	0	0	0	156
<b>Tulare</b>	43	1,768	1,193	261	0.00	3	6	7	9	3,291
<b>Madera</b>	1,919	15,070	8,693	1,655	0.06	299	139	166	223	28,164
<b>Butte</b>	155	1,890	1,222	178	0.00	28	20	24	28	3,545
<b>Fresno</b>	3,363	33,116	18,989	3,736	0.02	724	945	978	749	62,600
<b>Kings</b>	143	2,344	1,312	180	0.01	20	31	37	32	4,099
<b>San Luis Obispo</b>	96	1,740	912	98	0.00	15	32	33	33	2,959
<b>Solano</b>	52,959	320,934	154,015	14,439	0.45	17,634	13,802	17,612	12,357	603,752
<b>San Mateo</b>	3,405,820	13,781,846	4,760,070	335,209	11.06	1,383,480	833,291	1,074,186	841,861	26,415,762
<b>Yolo</b>	3,857	47,049	28,445	3,237	0.12	800	911	1,118	817	86,234
<b>Glenn</b>	274	1,817	1,100	302	0.03	43	57	54	36	3,684
<b>San Benito</b>	143,388	637,051	267,073	27,046	5.89	54,032	33,529	39,750	23,068	1,224,938

	Capital Stock Losses				Loss Ratio %	Income Losses				Total Loss
	Cost Structural Damage	Cost Non-struct. Damage	Cost Contents Damage	Inventory Loss		Relocation Loss	Capital Related Loss	Wages Losses	Rental Income Loss	
Lassen	0	0	0	0	0.00	0	0	0	0	0
San Francisco	4,975,138	18,114,515	5,987,446	298,420	14.91	1,975,119	1,069,314	1,387,554	1,659,554	35,467,060
Stanislaus	31,362	182,283	94,411	12,946	0.21	9,038	5,182	5,678	6,557	347,457
Sutter	377	3,342	1,810	452	0.02	42	25	27	37	6,112
Santa Clara	3,486,801	15,760,579	6,355,756	441,676	5.04	1,399,814	941,690	1,134,987	808,463	30,329,765
Sonoma	360,057	1,533,704	696,968	83,481	1.81	123,560	101,572	118,310	74,186	3,091,837
Calaveras	15	252	179	52	0.00	1	3	3	2	508
Yuba	78	1,197	633	77	0.01	12	23	24	20	2,063
Alpine	0	0	0	0	0.00	0	0	0	0	0
Merced	74,256	119,072	69,067	27,580	0.38	10,347	4,120	3,736	2,645	310,824
Santa Barbara	7	362	234	35	0.00	1	1	2	2	643
Mono	0	1	0	0	0.00	0	0	0	0	1
Placer	173	3,597	2,026	199	0.00	18	29	34	36	6,112
Marin	350,568	1,734,372	744,599	37,245	3.32	134,507	119,636	130,652	86,505	3,338,084
Kern	10	344	222	52	0.00	1	1	1	2	633
El Dorado	0	187	132	7	0.00	0	0	0	0	327
Lake	3,545	26,301	12,233	1,061	0.21	1,232	734	727	827	46,660
Sierra	0	0	0	0	0.00	0	0	0	0	0

	Capital Stock Losses				Loss Ratio %	Income Losses				Total Loss
	Cost Structural Damage	Cost Non-struct. Damage	Cost Contents Damage	Inventory Loss		Relocation Loss	Capital Related Loss	Wages Losses	Rental Income Loss	
<b>Santa Cruz</b>	1,055,629	3,659,512	1,477,703	246,759	8.58	378,315	272,569	353,311	211,970	7,655,768
<b>Mariposa</b>	1	66	42	3	0.00	0	2	1	1	115
<b>Amador</b>	1	86	58	7	0.00	0	1	0	1	154
<b>Sacramento</b>	10,743	98,615	55,134	4,910	0.04	3,639	4,192	5,250	3,842	186,325
<b>Monterey</b>	433,588	1,728,201	763,398	116,592	2.83	177,049	97,274	111,694	100,428	3,528,225
<b>Total</b>	<b>16,765,643</b>	<b>67,640,522</b>	<b>25,838,102</b>	<b>2,033,858</b>	<b>1.24</b>	<b>6,628,357</b>	<b>4,161,739</b>	<b>5,252,317</b>	<b>4,454,899</b>	<b>132,775,438</b>
<b>Region Total</b>	<b>16,765,643</b>	<b>67,640,522</b>	<b>25,838,102</b>	<b>2,033,858</b>	<b>1.24</b>	<b>6,628,357</b>	<b>4,161,739</b>	<b>5,252,317</b>	<b>4,454,899</b>	<b>132,775,438</b>

Totals only reflect data for those census tracts/blocks included in the user's study region and will reflect the entire county/state only if all of the census blocks for that county/states were selected at the time of study region creation.

## Direct Economic Loss For Transportation

June 10, 2024

All values are in thousands of dollars

	Highway	Railway	Light Rail	Bus Facility	Ports	Ferries	Airport	Total
<b>California</b>								
<b>Alameda</b>								
Segments	0	0	0					0
Bridges	94,003	9,813	95					103,910
Tunnels	2,071	0	0					2,071
Facilities		8,445	0	434	33,573	745	68,185	111,383
<b>Total</b>	<b>96,074</b>	<b>18,258</b>	<b>95</b>	<b>434</b>	<b>33,573</b>	<b>745</b>	<b>68,185</b>	<b>217,364</b>
<b>Alpine</b>								
Segments	0	0	0					0
Bridges	0	0	0					0
Tunnels	0	0	0					0
Facilities		0	0	0	0	0	6	6
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>6</b>
<b>Amador</b>								
Segments	0	0	0					0
Bridges	0	0	0					0
Tunnels	0	0	0					0
Facilities		0	0	0	0	0	51	51

	Highway	Railway	Light Rail	Bus Facility	Ports	Ferries	Airport	Total
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>51</b>	<b>51</b>
<b>Butte</b>								
Segments	0	0	0					0
Bridges	42	0	0					42
Tunnels	0	0	0					0
Facilities		26	0	0	0	0	231	256
<b>Total</b>	<b>42</b>	<b>26</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>231</b>	<b>299</b>
<b>Calaveras</b>								
Segments	0	0	0					0
Bridges	0	0	0					0
Tunnels	0	0	0					0
Facilities		0	0	0	0	0	102	102
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>102</b>	<b>102</b>
<b>Colusa</b>								
Segments	0	0	0					0
Bridges	100	4	0					104
Tunnels	0	0	0					0
Facilities		0	0	0	0	0	217	217
<b>Total</b>	<b>100</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>217</b>	<b>322</b>
<b>Contra Costa</b>								
Segments	0	0	0					0
Bridges	32,868	2,371	18					35,257
Tunnels	509	4	0					513
Facilities		3,968	1,293	0	39,629	550	2,278	47,718

	Highway	Railway	Light Rail	Bus Facility	Ports	Ferries	Airport	Total
<b>Total</b>	<b>33,378</b>	<b>6,343</b>	<b>1,310</b>	<b>0</b>	<b>39,629</b>	<b>550</b>	<b>2,278</b>	<b>83,488</b>
<b>Del Norte</b>								
<i>Segments</i>	0	0	0					0
<i>Bridges</i>	0	0	0					0
<i>Tunnels</i>	0	0	0					0
<i>Facilities</i>		0	0	22	37	0	153	212
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>22</b>	<b>37</b>	<b>0</b>	<b>153</b>	<b>212</b>
<b>El Dorado</b>								
<i>Segments</i>	0	0	0					0
<i>Bridges</i>	0	0	0					0
<i>Tunnels</i>	0	0	0					0
<i>Facilities</i>		0	0	26	0	0	236	262
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>26</b>	<b>0</b>	<b>0</b>	<b>236</b>	<b>263</b>
<b>Fresno</b>								
<i>Segments</i>	0	0	0					0
<i>Bridges</i>	1,040	21	0					1,061
<i>Tunnels</i>	0	0	0					0
<i>Facilities</i>		314	0	21	0	0	1,639	1,974
<b>Total</b>	<b>1,040</b>	<b>336</b>	<b>0</b>	<b>21</b>	<b>0</b>	<b>0</b>	<b>1,639</b>	<b>3,036</b>
<b>Glenn</b>								
<i>Segments</i>	0	0	0					0
<i>Bridges</i>	136	3	0					139
<i>Tunnels</i>	0	0	0					0
<i>Facilities</i>		0	0	0	37	0	268	305

	Highway	Railway	Light Rail	Bus Facility	Ports	Ferries	Airport	Total
<b>Total</b>	<b>136</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>37</b>	<b>0</b>	<b>268</b>	<b>444</b>
<b>Humboldt</b>								
<i>Segments</i>	0	0	0					0
<i>Bridges</i>	5,128	9	0					5,136
<i>Tunnels</i>	0	0	0					0
<i>Facilities</i>		0	0	342	6,328	0	5,551	12,222
<b>Total</b>	<b>5,128</b>	<b>9</b>	<b>0</b>	<b>342</b>	<b>6,328</b>	<b>0</b>	<b>5,551</b>	<b>17,358</b>
<b>Inyo</b>								
<i>Segments</i>	0	0	0					0
<i>Bridges</i>	0	0	0					0
<i>Tunnels</i>	0	0	0					0
<i>Facilities</i>		0	0	0	0	0	23	23
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>23</b>	<b>23</b>
<b>Kern</b>								
<i>Segments</i>	0	0	0					0
<i>Bridges</i>	17	0	0					17
<i>Tunnels</i>	0	0	0					0
<i>Facilities</i>		66	0	46	0	0	256	368
<b>Total</b>	<b>17</b>	<b>66</b>	<b>0</b>	<b>46</b>	<b>0</b>	<b>0</b>	<b>256</b>	<b>385</b>
<b>Kings</b>								
<i>Segments</i>	0	0	0					0
<i>Bridges</i>	32	0	0					33
<i>Tunnels</i>	0	0	0					0
<i>Facilities</i>		128	0	41	0	0	359	529

	Highway	Railway	Light Rail	Bus Facility	Ports	Ferries	Airport	Total
<b>Total</b>	<b>32</b>	<b>128</b>	<b>0</b>	<b>41</b>	<b>0</b>	<b>0</b>	<b>359</b>	<b>562</b>
<b>Lake</b>								
Segments	0	0	0					0
Bridges	78	0	0					78
Tunnels	0	0	0					0
Facilities		0	0	0	0	0	800	800
<b>Total</b>	<b>78</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>800</b>	<b>877</b>
<b>Lassen</b>								
Segments	0	0	0					0
Bridges	0	0	0					0
Tunnels	0	0	0					0
Facilities		0	0	0	0	0	34	34
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>34</b>	<b>34</b>
<b>Madera</b>								
Segments	0	0	0					0
Bridges	192	4	0					196
Tunnels	0	0	0					0
Facilities		109	0	89	0	0	435	633
<b>Total</b>	<b>192</b>	<b>113</b>	<b>0</b>	<b>89</b>	<b>0</b>	<b>0</b>	<b>435</b>	<b>829</b>
<b>Marin</b>								
Segments	0	0	0					0
Bridges	45,737	374	0					46,111
Tunnels	2,685	0	0					2,685
Facilities		0	0	2,349	19,329	1,612	989	24,280

	Highway	Railway	Light Rail	Bus Facility	Ports	Ferries	Airport	Total
<b>Total</b>	<b>48,422</b>	<b>374</b>	<b>0</b>	<b>2,349</b>	<b>19,329</b>	<b>1,612</b>	<b>989</b>	<b>73,076</b>
<b>Mariposa</b>								
Segments	0	0	0					0
Bridges	0	0	0					0
Tunnels	0	0	0					0
Facilities		0	0	86	0	0	51	137
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>86</b>	<b>0</b>	<b>0</b>	<b>51</b>	<b>137</b>
<b>Mendocino</b>								
Segments	0	0	0					0
Bridges	10,446	1,129	0					11,575
Tunnels	0	0	0					0
Facilities		0	0	778	1,311	0	4,198	6,287
<b>Total</b>	<b>10,446</b>	<b>1,129</b>	<b>0</b>	<b>778</b>	<b>1,311</b>	<b>0</b>	<b>4,198</b>	<b>17,862</b>
<b>Merced</b>								
Segments	0	0	0					0
Bridges	2,615	104	0					2,719
Tunnels	0	0	0					0
Facilities		218	0	91	0	0	2,113	2,422
<b>Total</b>	<b>2,615</b>	<b>323</b>	<b>0</b>	<b>91</b>	<b>0</b>	<b>0</b>	<b>2,113</b>	<b>5,142</b>
<b>Mono</b>								
Segments	0	0	0					0
Bridges	0	0	0					0
Tunnels	0	0	0					0
Facilities		0	0	5	0	0	28	33

	Highway	Railway	Light Rail	Bus Facility	Ports	Ferries	Airport	Total
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>28</b>	<b>33</b>
<b>Monterey</b>								
Segments	0	0	0					0
Bridges	23,321	3,785	0					27,106
Tunnels	66	0	0					66
Facilities		603	0	2,609	1,266	0	6,637	11,114
<b>Total</b>	<b>23,387</b>	<b>4,388</b>	<b>0</b>	<b>2,609</b>	<b>1,266</b>	<b>0</b>	<b>6,637</b>	<b>38,286</b>
<b>Napa</b>								
Segments	0	0	0					0
Bridges	701	417	0					1,117
Tunnels	0	0	0					0
Facilities		0	0	251	1,266	0	1,878	3,395
<b>Total</b>	<b>701</b>	<b>417</b>	<b>0</b>	<b>251</b>	<b>1,266</b>	<b>0</b>	<b>1,878</b>	<b>4,512</b>
<b>Nevada</b>								
Segments	0	0	0					0
Bridges	0	0	0					0
Tunnels	0	0	0					0
Facilities		3	0	0	0	0	57	60
<b>Total</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>57</b>	<b>60</b>
<b>Placer</b>								
Segments	0	0	0					0
Bridges	8	0	0					8
Tunnels	0	0	0					0
Facilities		103	0	21	0	0	159	283

	Highway	Railway	Light Rail	Bus Facility	Ports	Ferries	Airport	Total
<b>Total</b>	<b>8</b>	<b>103</b>	<b>0</b>	<b>21</b>	<b>0</b>	<b>0</b>	<b>159</b>	<b>291</b>
<b>Plumas</b>								
Segments	0	0	0					0
Bridges	0	0	0					0
Tunnels	0	0	0					0
Facilities		0	0	0	0	0	130	130
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>130</b>	<b>131</b>
<b>Sacramento</b>								
Segments	0	0	0					0
Bridges	2,010	6	0					2,017
Tunnels	0	0	0					0
Facilities		109	9,656	181	4,365	100	17,714	32,126
<b>Total</b>	<b>2,010</b>	<b>116</b>	<b>9,656</b>	<b>181</b>	<b>4,365</b>	<b>100</b>	<b>17,714</b>	<b>34,142</b>
<b>San Benito</b>								
Segments	0	0	0					0
Bridges	20,060	2,767	0					22,827
Tunnels	0	0	0					0
Facilities		0	0	0	0	0	3,030	3,030
<b>Total</b>	<b>20,060</b>	<b>2,767</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,030</b>	<b>25,857</b>
<b>San Francisco</b>								
Segments	0	0	0					0
Bridges	212,813	978	0					213,791
Tunnels	7,406	0	0					7,406
Facilities		0	1,021,073	1,343	52,450	1,364	10,767	1,086,998

	Highway	Railway	Light Rail	Bus Facility	Ports	Ferries	Airport	Total
<b>Total</b>	<b>220,220</b>	<b>978</b>	<b>1,021,073</b>	<b>1,343</b>	<b>52,450</b>	<b>1,364</b>	<b>10,767</b>	<b>1,308,195</b>
<b>San Joaquin</b>								
Segments	0	0	0					0
Bridges	4,319	95	0					4,414
Tunnels	0	0	0					0
Facilities		1,748	0	91	9,349	402	2,605	14,195
<b>Total</b>	<b>4,319</b>	<b>1,843</b>	<b>0</b>	<b>91</b>	<b>9,349</b>	<b>402</b>	<b>2,605</b>	<b>18,609</b>
<b>San Luis Obispo</b>								
Segments	0	0	0					0
Bridges	38	0	0					38
Tunnels	0	0	0					0
Facilities		77	0	41	294	0	451	863
<b>Total</b>	<b>38</b>	<b>77</b>	<b>0</b>	<b>41</b>	<b>294</b>	<b>0</b>	<b>451</b>	<b>902</b>
<b>San Mateo</b>								
Segments	0	0	0					0
Bridges	399,264	14,474	0					413,739
Tunnels	10,640	5	0					10,645
Facilities		0	0	0	20,020	0	312,649	332,669
<b>Total</b>	<b>409,904</b>	<b>14,479</b>	<b>0</b>	<b>0</b>	<b>20,020</b>	<b>0</b>	<b>312,649</b>	<b>757,052</b>
<b>Santa Barbara</b>								
Segments	0	0	0					0
Bridges	9	0	0					9
Tunnels	0	0	0					0
Facilities		60	0	46	37	4	137	283

	Highway	Railway	Light Rail	Bus Facility	Ports	Ferries	Airport	Total
<b>Total</b>	<b>9</b>	<b>60</b>	<b>0</b>	<b>46</b>	<b>37</b>	<b>4</b>	<b>137</b>	<b>292</b>
<b>Santa Clara</b>								
<i>Segments</i>	0	0	0					0
<i>Bridges</i>	272,464	21,525	65					294,055
<i>Tunnels</i>	176	0	0					176
<i>Facilities</i>		2,410	132,229	1,569	3,707	0	86,023	225,937
<b>Total</b>	<b>272,640</b>	<b>23,936</b>	<b>132,294</b>	<b>1,569</b>	<b>3,707</b>	<b>0</b>	<b>86,023</b>	<b>520,168</b>
<b>Santa Cruz</b>								
<i>Segments</i>	0	0	0					0
<i>Bridges</i>	33,443	8,208	0					41,651
<i>Tunnels</i>	0	0	0					0
<i>Facilities</i>		0	0	1,239	863	0	9,681	11,784
<b>Total</b>	<b>33,443</b>	<b>8,208</b>	<b>0</b>	<b>1,239</b>	<b>863</b>	<b>0</b>	<b>9,681</b>	<b>53,434</b>
<b>Shasta</b>								
<i>Segments</i>	0	0	0					0
<i>Bridges</i>	13	0	0					13
<i>Tunnels</i>	0	0	0					0
<i>Facilities</i>		26	0	22	0	0	184	231
<b>Total</b>	<b>13</b>	<b>26</b>	<b>0</b>	<b>22</b>	<b>0</b>	<b>0</b>	<b>184</b>	<b>245</b>
<b>Sierra</b>								
<i>Segments</i>	0	0	0					0
<i>Bridges</i>	0	0	0					0
<i>Tunnels</i>	0	0	0					0
<i>Facilities</i>		0	0	0	0	0	6	6

	Highway	Railway	Light Rail	Bus Facility	Ports	Ferries	Airport	Total
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>6</b>
<b>Siskiyou</b>								
Segments	0	0	0					0
Bridges	1	0	0					1
Tunnels	0	0	0					0
Facilities		26	0	22	0	0	312	360
<b>Total</b>	<b>1</b>	<b>26</b>	<b>0</b>	<b>22</b>	<b>0</b>	<b>0</b>	<b>312</b>	<b>360</b>
<b>Solano</b>								
Segments	0	0	0					0
Bridges	5,913	671	0					6,583
Tunnels	0	0	0					0
Facilities		697	0	512	12,196	449	1,625	15,478
<b>Total</b>	<b>5,913</b>	<b>1,367</b>	<b>0</b>	<b>512</b>	<b>12,196</b>	<b>449</b>	<b>1,625</b>	<b>22,062</b>
<b>Sonoma</b>								
Segments	0	0	0					0
Bridges	15,974	1,612	0					17,586
Tunnels	0	0	0					0
Facilities		0	0	348	11,170	0	6,868	18,386
<b>Total</b>	<b>15,974</b>	<b>1,612</b>	<b>0</b>	<b>348</b>	<b>11,170</b>	<b>0</b>	<b>6,868</b>	<b>35,972</b>
<b>Stanislaus</b>								
Segments	0	0	0					0
Bridges	1,393	69	0					1,462
Tunnels	0	0	0					0
Facilities		655	0	183	0	0	1,165	2,003

	Highway	Railway	Light Rail	Bus Facility	Ports	Ferries	Airport	Total
<b>Total</b>	<b>1,393</b>	<b>724</b>	<b>0</b>	<b>183</b>	<b>0</b>	<b>0</b>	<b>1,165</b>	<b>3,466</b>
<b>Sutter</b>								
Segments	0	0	0					0
Bridges	190	2	0					193
Tunnels	0	0	0					0
Facilities		0	0	0	0	0	129	129
<b>Total</b>	<b>190</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>129</b>	<b>321</b>
<b>Tehama</b>								
Segments	0	0	0					0
Bridges	48	0	0					48
Tunnels	0	0	0					0
Facilities		0	0	0	0	0	102	102
<b>Total</b>	<b>48</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>102</b>	<b>150</b>
<b>Trinity</b>								
Segments	0	0	0					0
Bridges	6	0	0					6
Tunnels	0	0	0					0
Facilities		0	0	0	0	0	754	754
<b>Total</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>754</b>	<b>760</b>
<b>Tulare</b>								
Segments	0	0	0					0
Bridges	33	0	0					33
Tunnels	0	0	0					0
Facilities		0	0	83	0	0	255	338

	Highway	Railway	Light Rail	Bus Facility	Ports	Ferries	Airport	Total
<b>Total</b>	<b>33</b>	<b>0</b>	<b>0</b>	<b>83</b>	<b>0</b>	<b>0</b>	<b>255</b>	<b>371</b>
<b>Tuolumne</b>								
Segments	0	0	0					0
Bridges	0	0	0					0
Tunnels	0	0	0					0
Facilities		0	0	0	0	0	153	153
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>153</b>	<b>153</b>
<b>Yolo</b>								
Segments	0	0	0					0
Bridges	2,027	7	0					2,034
Tunnels	0	0	0					0
Facilities		546	0	0	2,658	0	652	3,857
<b>Total</b>	<b>2,027</b>	<b>553</b>	<b>0</b>	<b>0</b>	<b>2,658</b>	<b>0</b>	<b>652</b>	<b>5,891</b>
<b>Yuba</b>								
Segments	0	0	0					0
Bridges	1	0	0					1
Tunnels	0	0	0					0
Facilities		0	0	22	0	0	102	124
<b>Total</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>22</b>	<b>0</b>	<b>0</b>	<b>102</b>	<b>125</b>
<b>Total</b>	<b>1,210,042</b>	<b>88,794</b>	<b>1,164,428</b>	<b>12,913</b>	<b>219,883</b>	<b>5,225</b>	<b>552,430</b>	<b>3,253,716</b>
<b>Region Total</b>	<b>1,210,042</b>	<b>88,794</b>	<b>1,164,428</b>	<b>12,913</b>	<b>219,883</b>	<b>5,225</b>	<b>552,430</b>	<b>3,253,716</b>

Totals only reflect data for those census tracts/blocks included in the user's study region and will reflect the entire county/state only if all of the census blocks for that county/states were selected at the time of study region creation.

## Direct Economic Loss For Utilities

June 10, 2024

All values are in thousands of dollars

	Potable Water	Waste Water	Oil Systems	Natural Gas	Electric Power	Communication	Total
<b>California</b>							
<b>Alameda</b>							
<i>Facilities</i>	11,233	227,272	0	0	569,021	533	808,059
<i>Pipelines</i>	6,286	3,158	0	0			9,444
<b>Total</b>	<b>17,519</b>	<b>230,430</b>	<b>0</b>	<b>0</b>	<b>569,021</b>	<b>533</b>	<b>817,503</b>
<b>Alpine</b>							
<i>Facilities</i>	0	3	0	0	0	0	3
<i>Pipelines</i>	7	3	0	0			10
<b>Total</b>	<b>7</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13</b>
<b>Amador</b>							
<i>Facilities</i>	0	123	0	0	7,382	0	7,505
<i>Pipelines</i>	27	13	0	0			40
<b>Total</b>	<b>27</b>	<b>136</b>	<b>0</b>	<b>0</b>	<b>7,382</b>	<b>0</b>	<b>7,545</b>
<b>Butte</b>							
<i>Facilities</i>	28	492	0	0	45,264	3	45,786

	Potable Water	Waste Water	Oil Systems	Natural Gas	Electric Power	Communication	Total
<i>Pipelines</i>	171	86	0	0			257
<b>Total</b>	199	578	0	0	45,264	3	46,044
<b>Calaveras</b>							
<i>Facilities</i>	28	492	0	0	25,137	1	25,658
<i>Pipelines</i>	55	28	0	0			83
<b>Total</b>	83	520	0	0	25,137	1	25,741
<b>Colusa</b>							
<i>Facilities</i>	0	4,573	0	75	11,633	2	16,283
<i>Pipelines</i>	191	96	0	0			287
<b>Total</b>	191	4,669	0	75	11,633	2	16,570
<b>Contra Costa</b>							
<i>Facilities</i>	14,557	144,002	73	0	998,618	115	1,157,365
<i>Pipelines</i>	2,863	1,438	0	0			4,301
<b>Total</b>	17,420	145,440	73	0	998,618	115	1,161,666
<b>Del Norte</b>							
<i>Facilities</i>	0	123	0	0	0	1	124
<i>Pipelines</i>	38	19	0	0			57
<b>Total</b>	38	142	0	0	0	1	181
<b>El Dorado</b>							
<i>Facilities</i>	28	492	0	0	13,707	1	14,228
<i>Pipelines</i>	85	43	0	0			128

	Potable Water	Waste Water	Oil Systems	Natural Gas	Electric Power	Communication	Total
<b>Total</b>	113	534	0	0	13,707	1	14,356
<b>Fresno</b>							
<i>Facilities</i>	0	492	0	13	251,989	18	252,512
<i>Pipelines</i>	1,383	695	0	0			2,078
<b>Total</b>	1,383	1,187	0	13	251,989	18	254,590
<b>Glenn</b>							
<i>Facilities</i>	0	1,524	0	0	136	0	1,660
<i>Pipelines</i>	149	75	0	0			224
<b>Total</b>	149	1,599	0	0	136	0	1,884
<b>Humboldt</b>							
<i>Facilities</i>	0	133,429	0	0	79,556	240	213,224
<i>Pipelines</i>	2,757	1,385	0	0			4,142
<b>Total</b>	2,757	134,813	0	0	79,556	240	217,366
<b>Inyo</b>							
<i>Facilities</i>	0	0	0	0	94	0	94
<i>Pipelines</i>	68	34	0	0			102
<b>Total</b>	68	34	0	0	94	0	196
<b>Kern</b>							
<i>Facilities</i>	2	8	0	75	25,970	1	26,056
<i>Pipelines</i>	358	180	0	0			538
<b>Total</b>	361	188	0	75	25,970	1	26,594

	Potable Water	Waste Water	Oil Systems	Natural Gas	Electric Power	Communication	Total
<b>Kings</b>							
<i>Facilities</i>	0	0	0	134	6,360	1	6,495
<i>Pipelines</i>	331	166	0	0			497
<b>Total</b>	331	166	0	134	6,360	1	6,991
<b>Lake</b>							
<i>Facilities</i>	697	0	0	0	103,130	43	103,870
<i>Pipelines</i>	456	229	0	0			685
<b>Total</b>	1,153	229	0	0	103,130	43	104,555
<b>Lassen</b>							
<i>Facilities</i>	0	3	0	0	25	0	28
<i>Pipelines</i>	103	52	0	0			155
<b>Total</b>	103	55	0	0	25	0	183
<b>Madera</b>							
<i>Facilities</i>	0	0	0	0	22,233	3	22,236
<i>Pipelines</i>	420	211	0	0			631
<b>Total</b>	420	211	0	0	22,233	3	22,868
<b>Marin</b>							
<i>Facilities</i>	4,139	178,958	0	0	6,022	315	189,433
<i>Pipelines</i>	5,481	2,753	0	0			8,235
<b>Total</b>	9,620	181,711	0	0	6,022	315	197,668
<b>Mariposa</b>							

	Potable Water	Waste Water	Oil Systems	Natural Gas	Electric Power	Communication	Total
<i>Facilities</i>	0	492	0	0	2,808	2	3,301
<i>Pipelines</i>	45	23	0	0			67
<b>Total</b>	45	514	0	0	2,808	2	3,369
<b>Mendocino</b>							
<i>Facilities</i>	0	171,271	0	0	15,566	507	187,343
<i>Pipelines</i>	8,738	4,389	0	0			13,127
<b>Total</b>	8,738	175,660	0	0	15,566	507	200,470
<b>Merced</b>							
<i>Facilities</i>	0	10,512	0	0	619,843	58	630,413
<i>Pipelines</i>	1,202	604	0	0			1,806
<b>Total</b>	1,202	11,116	0	0	619,843	58	632,219
<b>Mono</b>							
<i>Facilities</i>	0	0	0	0	54	0	54
<i>Pipelines</i>	49	25	0	0			74
<b>Total</b>	49	25	0	0	54	0	129
<b>Monterey</b>							
<i>Facilities</i>	0	153,205	0	0	752,131	1,144	906,480
<i>Pipelines</i>	5,817	2,922	0	0			8,739
<b>Total</b>	5,817	156,127	0	0	752,131	1,144	915,218
<b>Napa</b>							
<i>Facilities</i>	0	29,328	0	0	4,314	36	33,678

	Potable Water	Waste Water	Oil Systems	Natural Gas	Electric Power	Communication	Total
<i>Pipelines</i>	320	161	0	0			481
<b>Total</b>	320	29,489	0	0	4,314	36	34,158
<b>Nevada</b>							
<i>Facilities</i>	0	740	0	0	1,492	1	2,233
<i>Pipelines</i>	70	35	0	0			106
<b>Total</b>	70	776	0	0	1,492	1	2,339
<b>Placer</b>							
<i>Facilities</i>	0	1,229	0	0	8,085	1	9,316
<i>Pipelines</i>	147	74	0	0			220
<b>Total</b>	147	1,303	0	0	8,085	1	9,536
<b>Plumas</b>							
<i>Facilities</i>	1	131	0	0	980	0	1,112
<i>Pipelines</i>	108	54	0	0			162
<b>Total</b>	108	185	0	0	980	0	1,273
<b>Sacramento</b>							
<i>Facilities</i>	0	11,039	0	0	45,727	43	56,810
<i>Pipelines</i>	588	295	0	0			884
<b>Total</b>	588	11,335	0	0	45,727	43	57,694
<b>San Benito</b>							
<i>Facilities</i>	0	95,812	0	0	0	157	95,969
<i>Pipelines</i>	4,796	2,409	0	0			7,206

	Potable Water	Waste Water	Oil Systems	Natural Gas	Electric Power	Communication	Total
<b>Total</b>	4,796	98,222	0	0	0	157	103,175
<b>San Francisco</b>							
<i>Facilities</i>	0	232,715	0	0	20,204	1,025	253,944
<i>Pipelines</i>	5,527	2,776	0	0			8,303
<b>Total</b>	5,527	235,491	0	0	20,204	1,025	262,247
<b>San Joaquin</b>							
<i>Facilities</i>	1,421	16,451	3	0	116,395	48	134,319
<i>Pipelines</i>	971	488	0	0			1,459
<b>Total</b>	2,392	16,939	3	0	116,395	48	135,778
<b>San Luis Obispo</b>							
<i>Facilities</i>	28	984	0	0	25,125	6	26,143
<i>Pipelines</i>	255	128	0	0			383
<b>Total</b>	283	1,112	0	0	25,125	6	26,526
<b>San Mateo</b>							
<i>Facilities</i>	0	587,824	0	0	67,471	907	656,203
<i>Pipelines</i>	22,525	11,315	0	0			33,840
<b>Total</b>	22,525	599,139	0	0	67,471	907	690,043
<b>Santa Barbara</b>							
<i>Facilities</i>	0	18	0	4	209	2	234
<i>Pipelines</i>	99	50	0	0			149
<b>Total</b>	99	68	0	4	209	2	382

	Potable Water	Waste Water	Oil Systems	Natural Gas	Electric Power	Communication	Total
<b>Santa Clara</b>							
<i>Facilities</i>	12,206	71,524	0	0	1,023,587	1,277	1,108,594
<i>Pipelines</i>	23,985	12,049	0	0			36,034
<b>Total</b>	<b>36,191</b>	<b>83,573</b>	<b>0</b>	<b>0</b>	<b>1,023,587</b>	<b>1,277</b>	<b>1,144,628</b>
<b>Santa Cruz</b>							
<i>Facilities</i>	0	119,049	0	0	9,352	361	128,763
<i>Pipelines</i>	12,708	6,383	0	0			19,091
<b>Total</b>	<b>12,708</b>	<b>125,433</b>	<b>0</b>	<b>0</b>	<b>9,352</b>	<b>361</b>	<b>147,854</b>
<b>Shasta</b>							
<i>Facilities</i>	56	984	0	3	78,602	3	79,647
<i>Pipelines</i>	235	118	0	0			353
<b>Total</b>	<b>291</b>	<b>1,101</b>	<b>0</b>	<b>3</b>	<b>78,602</b>	<b>3</b>	<b>80,000</b>
<b>Sierra</b>							
<i>Facilities</i>	0	0	0	0	10	0	10
<i>Pipelines</i>	38	19	0	0			57
<b>Total</b>	<b>38</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>67</b>
<b>Siskiyou</b>							
<i>Facilities</i>	0	126	0	0	350	1	476
<i>Pipelines</i>	230	116	0	0			346
<b>Total</b>	<b>230</b>	<b>241</b>	<b>0</b>	<b>0</b>	<b>350</b>	<b>1</b>	<b>822</b>
<b>Solano</b>							

	Potable Water	Waste Water	Oil Systems	Natural Gas	Electric Power	Communication	Total
<i>Facilities</i>	0	35,793	17	0	465,687	31	501,528
<i>Pipelines</i>	1,334	670	0	0			2,004
<b>Total</b>	1,334	36,463	17	0	465,687	31	503,532
<b>Sonoma</b>							
<i>Facilities</i>	0	174,760	0	0	695,210	282	870,252
<i>Pipelines</i>	7,666	3,851	0	0			11,517
<b>Total</b>	7,666	178,611	0	0	695,210	282	881,769
<b>Stanislaus</b>							
<i>Facilities</i>	0	11,878	0	0	78,971	55	90,904
<i>Pipelines</i>	644	323	0	0			967
<b>Total</b>	644	12,202	0	0	78,971	55	91,872
<b>Sutter</b>							
<i>Facilities</i>	0	246	0	0	6,808	1	7,055
<i>Pipelines</i>	138	70	0	0			208
<b>Total</b>	138	315	0	0	6,808	1	7,263
<b>Tehama</b>							
<i>Facilities</i>	0	369	0	75	793	1	1,238
<i>Pipelines</i>	213	107	0	0			320
<b>Total</b>	213	476	0	75	793	1	1,558
<b>Trinity</b>							
<i>Facilities</i>	0	0	0	0	13,191	0	13,191

	Potable Water	Waste Water	Oil Systems	Natural Gas	Electric Power	Communication	Total
<i>Pipelines</i>	209	105	0	0			314
<b>Total</b>	209	105	0	0	13,191	0	13,505
<b>Tulare</b>							
<i>Facilities</i>	28	369	0	0	2,412	2	2,811
<i>Pipelines</i>	280	141	0	0			420
<b>Total</b>	308	509	0	0	2,412	2	3,231
<b>Tuolumne</b>							
<i>Facilities</i>	0	123	0	0	30,671	1	30,795
<i>Pipelines</i>	68	34	0	0			102
<b>Total</b>	68	157	0	0	30,671	1	30,898
<b>Yolo</b>							
<i>Facilities</i>	0	6,097	0	0	6,937	17	13,051
<i>Pipelines</i>	314	158	0	0			472
<b>Total</b>	314	6,255	0	0	6,937	17	13,523
<b>Yuba</b>							
<i>Facilities</i>	0	492	0	0	15,532	0	16,024
<i>Pipelines</i>	88	44	0	0			132
<b>Total</b>	88	536	0	0	15,532	0	16,156
<b>Total</b>	<b>165,089</b>	<b>2,486,145</b>	<b>94</b>	<b>379</b>	<b>6,274,795</b>	<b>7,246</b>	<b>8,933,747</b>
<b>Region Total</b>	<b>165,089</b>	<b>2,486,145</b>	<b>94</b>	<b>379</b>	<b>6,274,795</b>	<b>7,246</b>	<b>8,933,747</b>

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Potable Water

Waste Water

Oil Systems

Natural Gas

Electric Power

Communication

Total

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*Totals only reflect data for those census tracts/blocks included in the user's study region and will reflect the entire county/state only if all of the census blocks for that county/states were selected at the time of study region creation.*

## Hazus Quick Assessment Report

### Estimated Economic Loss (\$ Billions)

Category	Description	Range
General Building Stock	Building Damage	42.20 - 168.80
	Building Contents	4.20 - 16.60
	Business Interruption	10.20 - 41.00
Infrastructure	Lifelines Damage	
<b>Total</b>		66.40 - 265.60

### Preliminary Damage Assessment (PDA) Estimates

Description	Residential	Commercial	Other	Total
Affected	762,400	47,500	21,900	831,800
Minor	186,500	32,400	14,000	232,900
Major	29,100	15,600	6,500	51,200
Destroyed	13,600	7,100	2,700	23,400
<b>Total</b>	991,600	102,600	45,100	

### Estimated Casualties : Night Time

Severity Level	Description	# Persons
Level 1	Medical Aid	8,000 - 32,000
Level 2	Hospital Care	1,900 - 8,000
Level 3	Life-threatening	300 - 1,100
Level 4	Fatalities	500 - 2,000

### Estimated Shelter Needs

Type	Households	People
Displaced Households	69,000 - 275,000	172,500 - 687,500
Public Shelter	24,210	60,540

Comments :

\*Hazus damage estimates are presented using FEMA Preliminary Damage Assessment (PDA) categories. These estimates should be used for planning purposes and may not reflect actual observed damages from the PDA process.

**Disclaimer:**

The estimates of social and economic impacts contained in this report were produced using HAZUS loss estimation methodology software which is based on current scientific and engineering knowledge. There are uncertainties inherent in any loss estimation technique. Therefore, there may be significant differences between the modeled results contained in this report and the actual social and economic losses following a specific earthquake. These results can be improved by using enhanced inventory, geotechnical, and observed ground motion data.

### Earthquake Information

Location :

Origin Time:

Magnitude : 8.04

Epicenter Latitude/Longitude :  
/

Depth & Type : /U

Name :  
NA

Ground Motion /Attenuation :

Maximum PGA: 1.00

Information Sources:

Comments :

### Population and Building Exposure

Population: 17,406,507

### Building Exposure : (\$ Millions)

Residential	
Commercial	591,232
Other	530,767
Total	

Counties : See Appendix

Major Metro Area :

## Hazus Quick Assessment Report

### Estimated Economic Loss (\$ Billions)

Category	Description	Range
General Building Stock	Building Damage	42.20 - 168.80
	Building Contents	4.20 - 16.60
	Business Interruption	10.20 - 41.00
Infrastructure	Lifelines Damage	
<b>Total</b>		66.40 - 265.60

### Preliminary Damage Assessment (PDA) Estimates

Description	Residential	Commercial	Other	Total
Affected	762,400	47,500	21,900	831,800
Minor	186,500	32,400	14,000	232,900
Major	29,100	15,600	6,500	51,200
Destroyed	13,600	7,100	2,700	23,400
<b>Total</b>	991,600	102,600	45,100	

### Estimated Casualties : Day Time

Severity Level	Description	# Persons
Level 1	Medical Aid	15,000 - 60,000
Level 2	Hospital Care	4,000 - 15,000
Level 3	Life-threatening	600 - 2,000
Level 4	Fatalities	1,100 - 4,000

### Estimated Shelter Needs

Type	Households	People
Displaced Households	69,000 - 275,000	172,500 - 687,500
Public Shelter	24,210	60,540

Comments :

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### Earthquake Information

Location :

Origin Time:

Magnitude : 8.04

Epicenter Latitude/Longitude :  
/

Depth & Type : /U

Name :  
NA

Ground Motion /Attenuation :

Maximum PGA: 1.00

Information Sources:

Comments :

### Population and Building Exposure

Population: 17,406,507

### Building Exposure : (\$ Millions)

Residential	
Commercial	591,232
Other	530,767
Total	

Counties : See Appendix

Major Metro Area :

## Hazus Quick Assessment Report

### Estimated Economic Loss (\$ Billions)

Category	Description	Range
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Destroyed	13,600	7,100	2,700	23,400
<b>Total</b>	991,600	102,600	45,100	

### Estimated Casualties : Commute Time

Severity Level	Description	# Persons
Level 1	Medical Aid	10,000 - 42,000
Level 2	Hospital Care	3,000 - 11,000
Level 3	Life-threatening	600 - 2,000
Level 4	Fatalities	800 - 3,000

### Estimated Shelter Needs

Type	Households	People
Displaced Households	69,000 - 275,000	172,500 - 687,500
Public Shelter	24,210	60,540

Comments :

\*Hazus damage estimates are presented using FEMA Preliminary Damage Assessment (PDA) categories. These estimates should be used for planning purposes and may not reflect actual observed damages from the PDA process.

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### Earthquake Information

Location :

Origin Time:

Magnitude : 8.04

Epicenter Latitude/Longitude :  
/

Depth & Type : /U

Name :  
NA

Ground Motion /Attenuation :

Maximum PGA: 1.00

Information Sources:

Comments :

### Population and Building Exposure

Population: 17,406,507

### Building Exposure : (\$ Millions)

Residential	
Commercial	591,232
Other	530,767
Total	

Counties : See Appendix

Major Metro Area :

## Shelter Summary Report

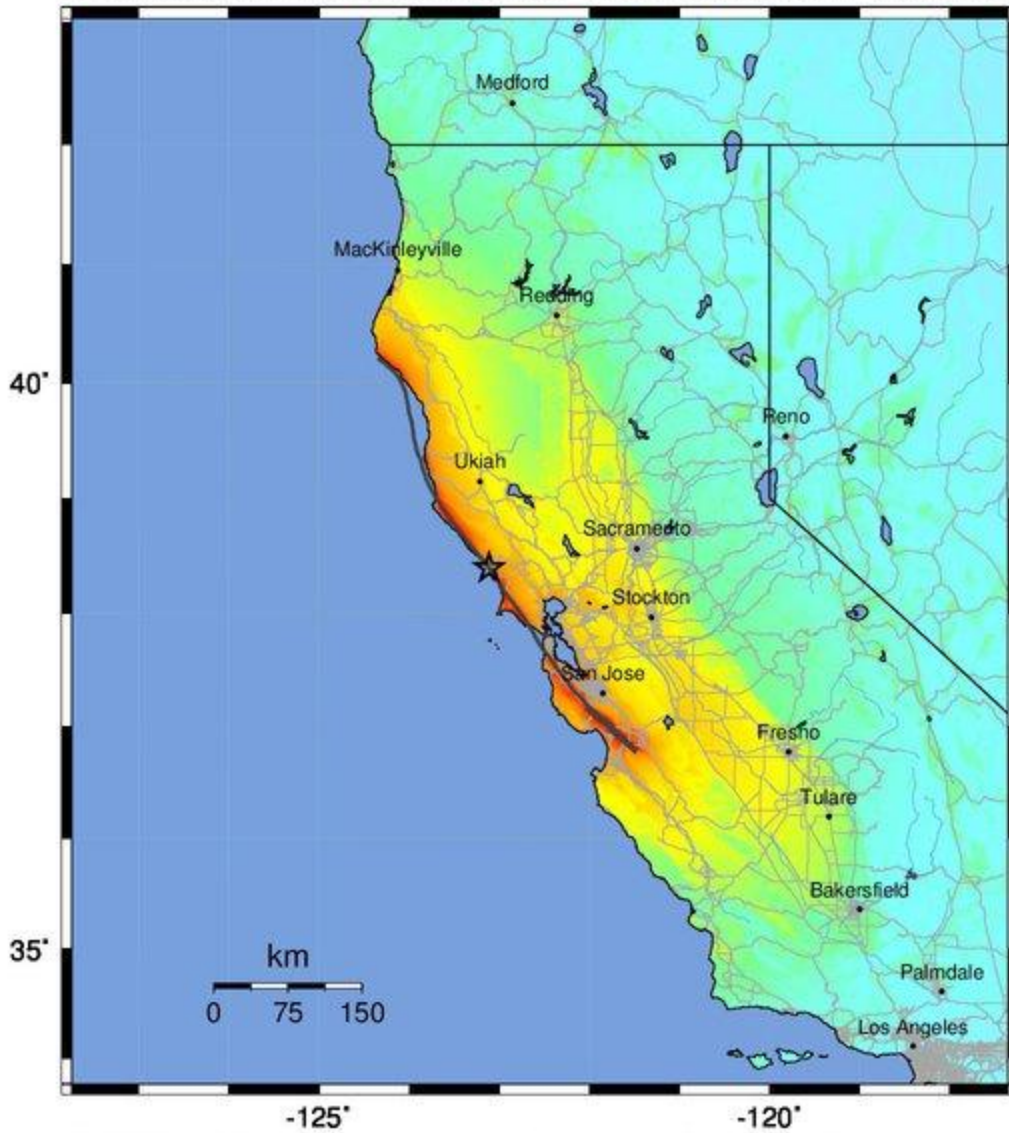
June 10, 2024

	# of Displaced Households	# of People Needing Short Term Shelter
<b>California</b>		
Alameda	12,627	6,541
Alpine	0	0
Amador	0	0
Butte	0	0
Calaveras	0	0
Colusa	0	0
Contra Costa	612	373
Del Norte	0	0
El Dorado	0	0
Fresno	0	0
Glenn	0	0
Humboldt	60	37
Inyo	0	0
Kern	0	0
Kings	0	0
Lake	2	1
Lassen	0	0
Madera	0	0
Marin	887	381
Mariposa	0	0
Mendocino	65	33
Merced	13	9
Mono	0	0
Monterey	1,132	778
Napa	30	15
Nevada	0	0
Placer	0	0
Plumas	0	0
Sacramento	3	1
San Benito	152	89
San Francisco	83,473	33,894
San Joaquin	7	5

	# of Displaced Households	# of People Needing Short Term Shelter
San Luis Obispo	0	0
San Mateo	22,294	10,273
Santa Barbara	0	0
Santa Clara	12,140	5,832
Santa Cruz	3,147	1,888
Shasta	0	0
Sierra	0	0
Siskiyou	0	0
Solano	109	59
Sonoma	684	315
Stanislaus	14	11
Sutter	0	0
Tehama	0	0
Trinity	0	0
Tulare	0	0
Tuolumne	0	0
Yolo	1	0
Yuba	0	0
<b>Total</b>	<b>137,452</b>	<b>60,536</b>
<b>Region Total</b>	<b>137,452</b>	<b>60,536</b>

*Totals only reflect data for those census tracts/blocks included in the user's study region and will reflect the entire county/state only if all of the census blocks for that county/states were selected at the time of study region creation.*

-- Earthquake Planning Scenario --  
 ShakeMap for N. San Andreas: SAO+SAN+SAP+SAS - Median ground motions Scenario  
 Scenario Date: Jun 30, 2017 10:03:45 AM MDT M 8.0 N38.40 W123.11 Depth: 6.6km



-125° -120°  
 PLANNING SCENARIO ONLY -- Map Version 14 Processed 2017-07-03 10:28:30 AM MDT

PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	none	none	none	Very light	Light	Moderate	Mod./Heavy	Heavy	Very Heavy
PEAK ACC.(%g)	<0.05	0.3	2.8	6.2	12	22	40	75	>139
PEAK VEL.(cm/s)	<0.02	0.1	1.4	4.7	9.6	20	41	86	>178
INSTRUMENTAL INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+

Scale based upon Worden et al. (2012)