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## Hazus: Earthquake Global Risk Report

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**Region Name:** CalavCNCCCSCE

**Earthquake Scenario:** calaverascnccscsha\_m7p43\_se

**Print Date:** May 20, 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 39 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 68,457.81 square miles and contains 3,891 census tracts. There are over 5,831 thousand households in the region which has a total population of 16,846,162 people. The distribution of population by Total Region and County is provided in Appendix B.

There are an estimated 5,230 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 270,014 and 217,136 (millions of dollars) , respectively.

## Building and Lifeline Inventory

### Building Inventory

Hazus estimates that there are 5,230 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 288 hospitals in the region with a total bed capacity of 43,687 beds. There are 6,267 schools, 1,670 fire stations, 570 police stations and 98 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 487,150.00 (millions of dollars). This inventory includes over 12,612.59 miles of highways, 13,345 bridges, 289,950.35 miles of pipes.

**Table 1: Transportation System Lifeline Inventory**

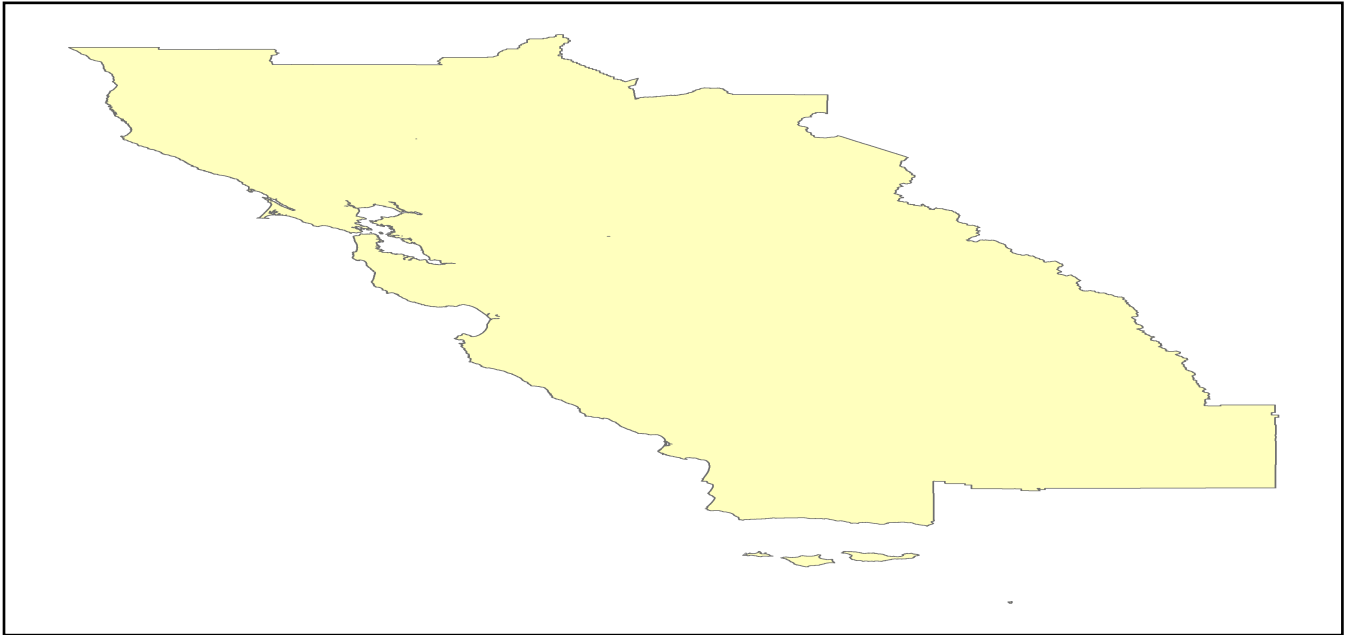
System	Component	# Locations/ # Segments	Replacement value (millions of dollars)
<b>Highway</b>	Bridges	13,345	62853.6251
	Segments	8,126	108549.9650
	Tunnels	52	1011.6097
	<b>Subtotal</b>		<b>172415.1998</b>
<b>Railways</b>	Bridges	2,042	11618.9800
	Facilities	101	268.9630
	Segments	3,549	69510.7967
	Tunnels	3	1.8495
	<b>Subtotal</b>		<b>81400.5892</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	61	137.0192
	<b>Subtotal</b>		<b>137.0192</b>
<b>Ferry</b>	Facilities	28	37.2680
	<b>Subtotal</b>		<b>37.2680</b>
<b>Port</b>	Facilities	379	1444.6891
	<b>Subtotal</b>		<b>1444.6891</b>
<b>Airport</b>	Facilities	139	3077.9753
	Runways	200	1929.4731
	<b>Subtotal</b>		<b>5007.4484</b>
		<b>Total</b>	<b>270,014.80</b>

**Table 2: Utility System Lifeline Inventory**

System	Component	# Locations / Segments	Replacement value (millions of dollars)
<b>Potable Water</b>	Distribution Lines	NA	5761.2154
	Facilities	28	1100.2320
	Pipelines	0	0.0000
		<b>Subtotal</b>	<b>6861.4474</b>
<b>Waste Water</b>	Distribution Lines	NA	3456.7293
	Facilities	204	35078.1672
	Pipelines	0	0.0000
		<b>Subtotal</b>	<b>38534.8965</b>
<b>Natural Gas</b>	Distribution Lines	NA	2304.4862
	Facilities	19	746.9647
	Pipelines	1,107	20194.4985
		<b>Subtotal</b>	<b>23245.9494</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	566	148421.6218
		<b>Subtotal</b>	<b>148421.6218</b>
<b>Communication</b>	Facilities	582	68.6760
		<b>Subtotal</b>	<b>68.6760</b>
	<b>Total</b>		<b>217,136.70</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>	calaverascnccccsesha_m7p43_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>	7.43
<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 120,768 buildings will be at least moderately damaged. This is over 2.00 % of the buildings in the region. There are an estimated 1,972 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

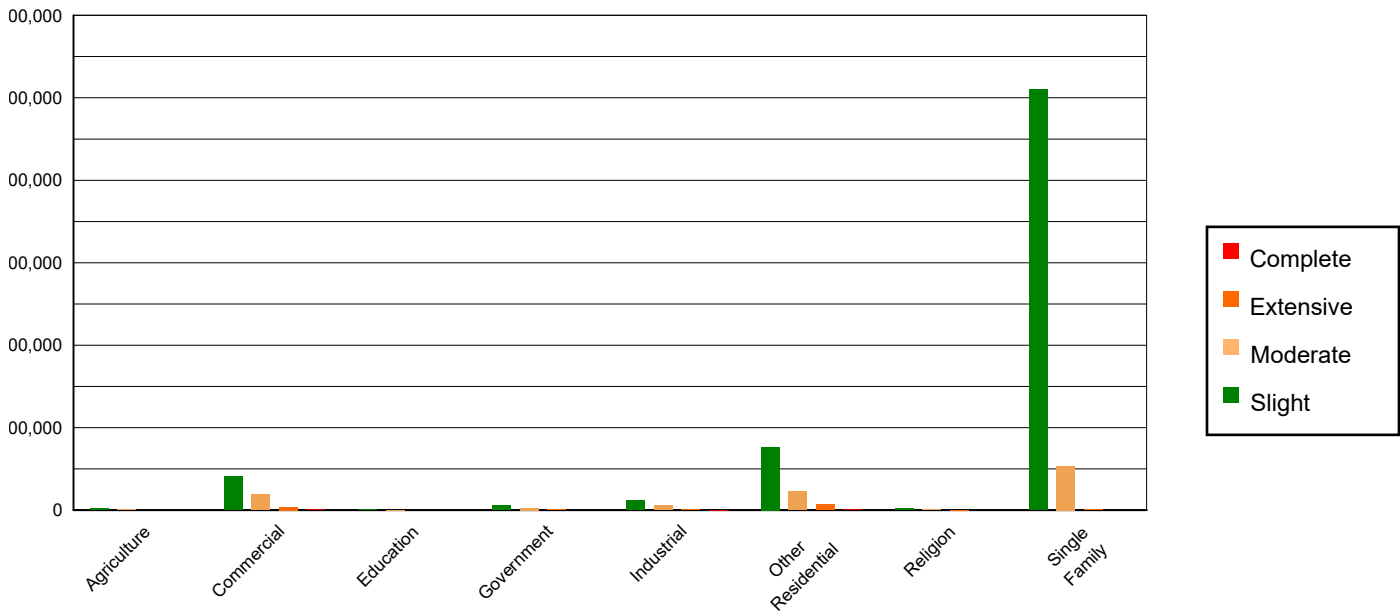


Table 3: Expected Building Damage by Occupancy

	None		Slight		Moderate		Extensive		Complete	
	Count	(%)	Count	(%)	Count	(%)	Count	(%)	Count	(%)
<b>Agriculture</b>	35281.40	0.79	1992.30	0.31	794.79	0.75	153.85	1.17	25.66	1.30
<b>Commercial</b>	271779.24	6.09	41120.03	6.33	18812.38	17.81	3913.05	29.75	748.30	37.94
<b>Education</b>	9295.50	0.21	856.68	0.13	282.59	0.27	57.31	0.44	11.92	0.60
<b>Government</b>	14810.50	0.33	5405.21	0.83	2621.96	2.48	448.91	3.41	56.42	2.86
<b>Industrial</b>	75192.46	1.69	11556.74	1.78	5517.01	5.22	1170.19	8.90	207.59	10.53
<b>Other Residential</b>	584173.83	13.10	76659.77	11.80	22959.99	21.73	6584.51	50.06	839.90	42.59
<b>Religion</b>	16916.67	0.38	2197.11	0.34	1081.79	1.02	250.23	1.90	47.20	2.39
<b>Single Family</b>	3452483.13	77.41	510035.52	78.49	53573.04	50.71	575.23	4.37	35.08	1.78
<b>Total</b>	<b>4,459,933</b>		<b>649,823</b>		<b>105,644</b>		<b>13,153</b>		<b>1,972</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>	3892566.98	87.28	570281.37	87.76	57936.22	54.84	526.78	4.00	21.10	1.07
<b>Steel</b>	90213.52	2.02	15669.90	2.41	11751.85	11.12	3040.77	23.12	541.07	27.44
<b>Concrete</b>	102295.37	2.29	19096.16	2.94	9228.01	8.74	2721.02	20.69	486.21	24.66
<b>Precast</b>	57749.29	1.29	9003.39	1.39	4885.44	4.62	488.17	3.71	38.31	1.94
<b>RM</b>	170576.25	3.82	17357.53	2.67	6860.65	6.49	492.94	3.75	8.01	0.41
<b>URM</b>	26350.26	0.59	11560.74	1.78	7058.45	6.68	1711.47	13.01	417.35	21.16
<b>MH</b>	120181.06	2.69	6854.26	1.05	7922.96	7.50	4172.13	31.72	460.01	23.33
<b>Total</b>	<b>4,459,933</b>		<b>649,823</b>		<b>105,644</b>		<b>13,153</b>		<b>1,972</b>	

\*Note:

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

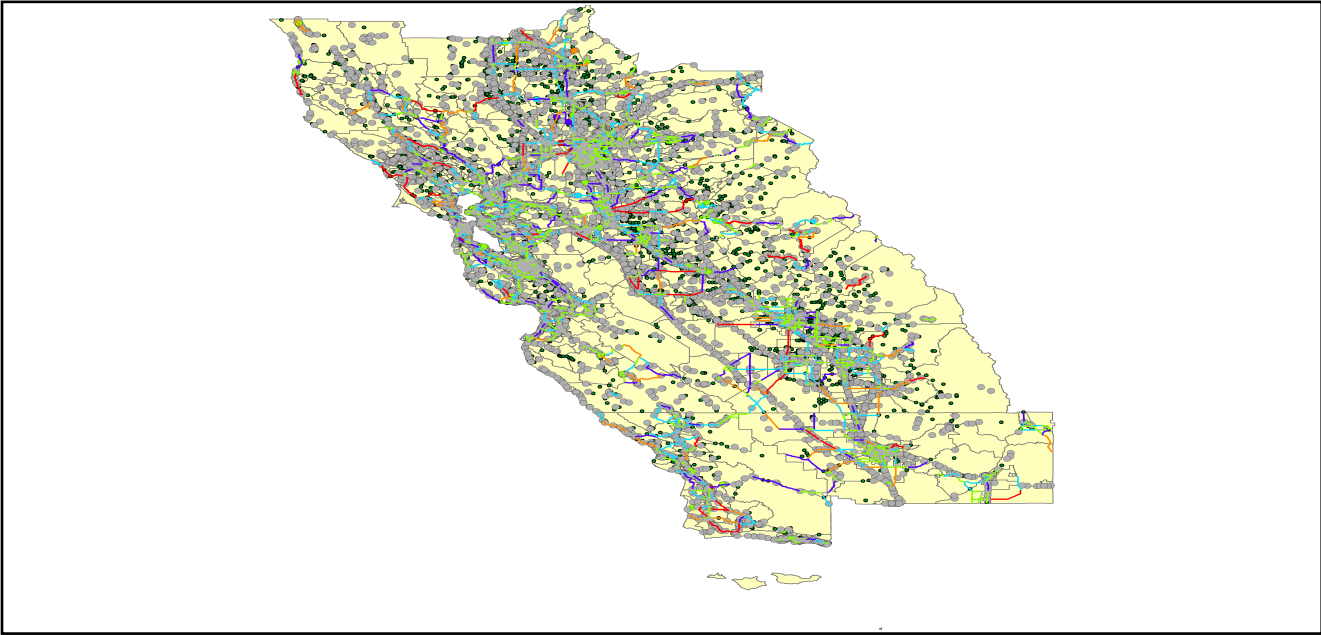
## Essential Facility Damage

Before the earthquake, the region had 43,687 hospital beds available for use. On the day of the earthquake, the model estimates that only 36,870 hospital beds (84.00%) are available for use by patients already in the hospital and those injured by the earthquake. After one week, 93.00% of the beds will be back in service. By 30 days, 99.00% 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	288	13	0	250
Schools	6,267	425	0	5,327
EOCs	98	5	0	88
PoliceStations	570	19	0	508
FireStations	1,670	50	0	1,537

Transportation Lifeline Damage



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

System	Component	Number of Locations_				
		Locations/ Segments	With at Least Mod. Damage	With Complete Damage	With Functionality > 50 %	
					After Day 1	After Day 7
Highway	Segments	8,126	0	0	8,126	8,126
	Bridges	13,345	28	0	13,316	13,336
	Tunnels	52	0	0	52	52
Railways	Segments	3,549	0	0	3,549	3,549
	Bridges	2,042	0	0	2,042	2,042
	Tunnels	3	0	0	3	3
	Facilities	101	0	0	101	101
Light Rail	Segments	15	0	0	15	15
	Bridges	112	0	0	112	112
	Tunnels	0	0	0	0	0
	Facilities	255	0	0	255	255
Bus	Facilities	61	0	0	61	61
Ferry	Facilities	28	0	0	28	28
Port	Facilities	379	0	0	379	379
Airport	Facilities	139	2	0	139	139
	Runways	200	0	0	200	200

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	28	4	0	21	28
Waste Water	204	8	0	178	204
Natural Gas	19	0	0	19	19
Oil Systems	35	0	0	35	35
Electrical Power	566	44	0	541	565
Communication	582	36	0	569	582

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

System	Total Pipelines Length (miles)	Number of Leaks	Number of Breaks
Potable Water	178,993	12035	3009
Waste Water	107,396	6046	1511
Natural Gas	3,563	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	5,831,946	544,268	491,982	384,243	87	0
Electric Power		434,818	271,811	108,062	9,147	591

## Induced Earthquake Damage

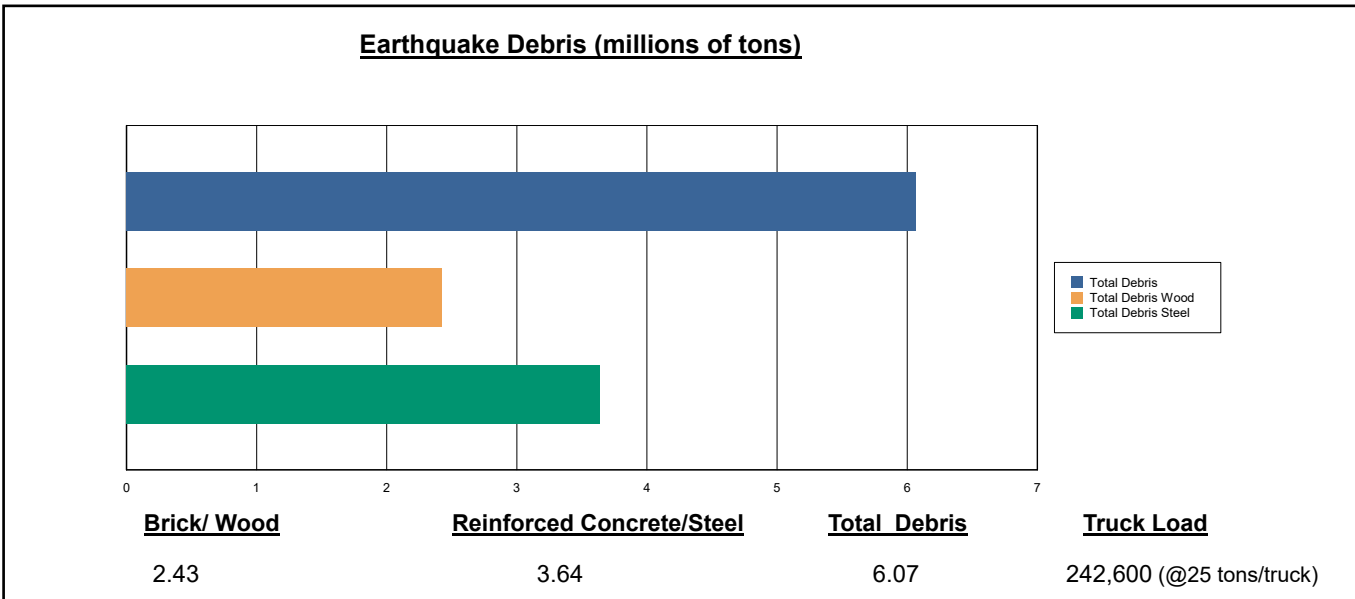
### Fire Following Earthquake

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 81 ignitions that will burn about 2.63 sq. mi 0.00 % of the region's total area.) The model also estimates that the fires will displace about 26,121 people and burn about 3,673 (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.

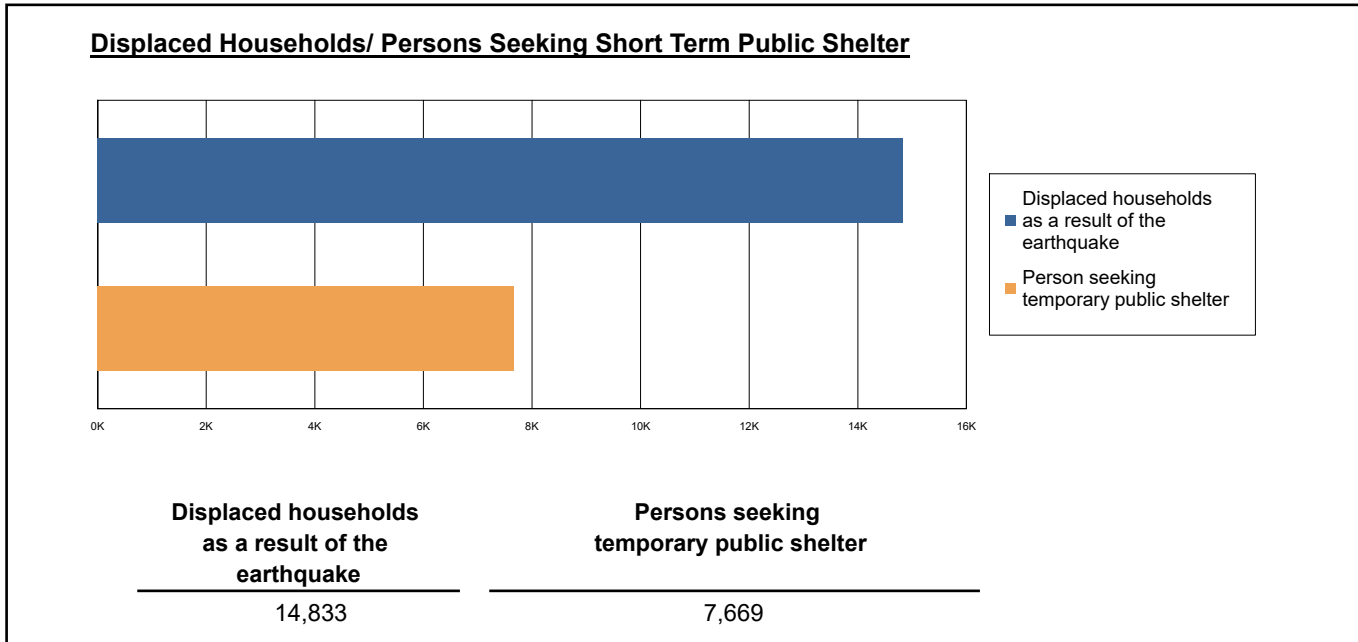
The model estimates that a total of 6,065,000 tons of debris will be generated. Of the total amount, Brick/Wood comprises 40.00% of the total, with the remainder being Reinforced Concrete/Steel. If the debris tonnage is converted to an estimated number of truckloads, it will require 242,600 truckloads (@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 14,833 households to be displaced due to the earthquake. Of these, 7,669 people (out of a total population of 16,846,162) 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	55.78	9.54	1.06	2.07
	Commuting	0.64	0.87	1.45	0.28
	Educational	0.00	0.00	0.00	0.00
	Hotels	2.53	0.27	0.01	0.02
	Industrial	60.48	9.94	1.06	2.07
	Other-Residential	1693.86	253.32	25.15	48.65
	Single Family	1234.09	57.30	0.87	1.64
	<b>Total</b>	<b>3,047</b>	<b>331</b>	<b>30</b>	<b>55</b>
<b>2 PM</b>	Commercial	3719.87	638.72	71.36	138.33
	Commuting	5.79	7.84	13.09	2.54
	Educational	814.39	131.83	14.64	28.38
	Hotels	0.49	0.05	0.00	0.00
	Industrial	443.75	73.24	7.87	15.21
	Other-Residential	535.72	83.09	8.75	16.28
	Single Family	341.74	16.72	0.32	0.57
	<b>Total</b>	<b>5,862</b>	<b>951</b>	<b>116</b>	<b>201</b>
<b>5 PM</b>	Commercial	2606.84	449.60	50.77	96.95
	Commuting	114.09	153.46	257.49	49.94
	Educational	114.75	16.26	1.61	3.10
	Hotels	0.76	0.08	0.00	0.01
	Industrial	277.34	45.77	4.92	9.50
	Other-Residential	646.05	99.18	10.31	19.17
	Single Family	451.86	22.03	0.40	0.70
	<b>Total</b>	<b>4,212</b>	<b>786</b>	<b>325</b>	<b>179</b>

## Economic Loss

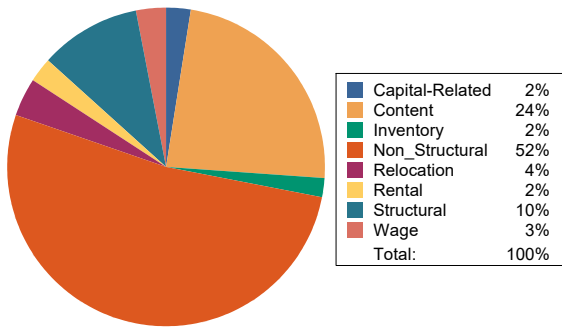
The total economic loss estimated for the earthquake is 62,970.31 (millions of dollars), which includes building and lifeline related losses based on the region's available inventory. The following three sections provide more detailed information about these losses.

## Building-Related Losses

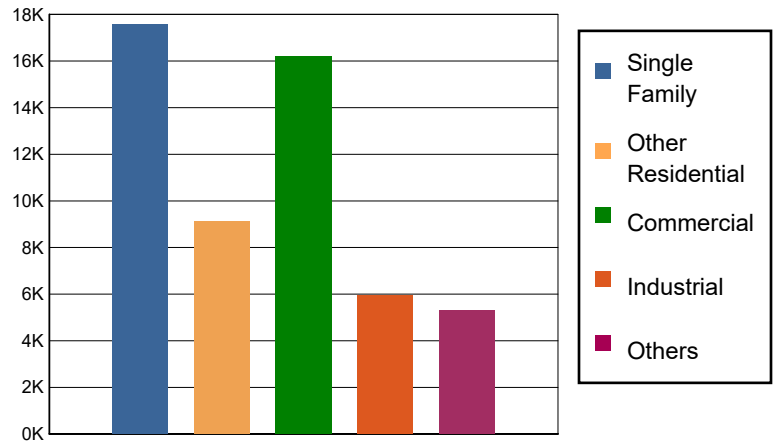
The building losses are broken into two categories: direct building losses and business interruption losses. The direct building losses are the estimated costs to repair or replace the damage caused to the building and its contents. The business interruption losses are the losses associated with inability 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 54,097.22 (millions of dollars); 12 % 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	134.1230	1289.0453	59.6029	166.7294	1,649.5006
	Capital-Related	0.0000	57.0147	1196.6356	36.0525	27.8190	1,317.5218
	Rental	128.3094	468.3521	627.6965	34.4450	90.5903	1,349.3933
	Relocation	390.6852	300.1181	877.7996	161.5094	437.8342	2,167.9465
	<b>Subtotal</b>	<b>518.9946</b>	<b>959.6079</b>	<b>3991.1770</b>	<b>291.6098</b>	<b>722.9729</b>	<b>6484.3622</b>
<b>Capital Stock Losses</b>							
	Structural	1723.3847	961.7625	1708.7862	576.7438	590.3831	5,561.0603
	Non_Structural	11034.2774	5623.2472	6281.6044	2776.1540	2489.3322	28,204.6152
	Content	4284.7057	1551.7527	3622.0453	1995.4307	1402.4730	12,856.4074
	Inventory	0.0000	0.0000	613.2186	292.5550	85.0053	990.7789
	<b>Subtotal</b>	<b>17042.3678</b>	<b>8136.7624</b>	<b>12225.6545</b>	<b>5640.8835</b>	<b>4567.1936</b>	<b>47612.8618</b>
	<b>Total</b>	<b>17561.36</b>	<b>9096.37</b>	<b>16216.83</b>	<b>5932.49</b>	<b>5290.17</b>	<b>54097.22</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	108549.9650	0.0000	0.00
	Bridges	62853.6251	654.3149	1.04
	Tunnels	1011.6097	5.6110	0.55
	<b>Subtotal</b>	<b>172415.1998</b>	<b>659.9259</b>	
Railways	Segments	69510.7967	0.0000	0.00
	Bridges	11618.9800	62.5188	0.54
	Tunnels	1.8495	0.0922	4.99
	Facilities	268.9630	19.1518	7.12
	<b>Subtotal</b>	<b>81400.5892</b>	<b>81.7628</b>	
Light Rail	Segments	5403.2756	0.0000	0.00
	Bridges	15.3529	0.3306	2.15
	Tunnels	0.0000	0.0000	0.00
	Facilities	4154.0000	459.0260	11.05
	<b>Subtotal</b>	<b>9572.6285</b>	<b>459.3566</b>	
Bus	Facilities	137.0192	6.9141	5.05
	<b>Subtotal</b>	<b>137.0192</b>	<b>6.9141</b>	
Ferry	Facilities	37.2680	3.2760	8.79
	<b>Subtotal</b>	<b>37.2680</b>	<b>3.2760</b>	
Port	Facilities	1444.6891	145.1569	10.05
	<b>Subtotal</b>	<b>1444.6891</b>	<b>145.1569</b>	
Airport	Facilities	3077.9753	296.5208	9.63
	Runways	1929.4731	0.0000	0.00
	<b>Subtotal</b>	<b>5007.4484</b>	<b>296.5208</b>	
<b>Total</b>		<b>270,014.84</b>	<b>1,652.91</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	1100.2320	63.7164	5.79
	Distribution Lines	5761.2154	54.1581	0.94
	<b>Subtotal</b>	<b>6861.4474</b>	<b>117.8745</b>	
Waste Water	Pipelines	0.0000	0.0000	0.00
	Facilities	35078.1672	1030.1856	2.94
	Distribution Lines	3456.7293	27.2050	0.79
	<b>Subtotal</b>	<b>38534.8965</b>	<b>1057.3906</b>	
Natural Gas	Pipelines	20194.4985	0.0000	0.00
	Facilities	746.9647	0.3019	0.04
	Distribution Lines	2304.4862	9.3202	0.40
	<b>Subtotal</b>	<b>23245.9494</b>	<b>9.6221</b>	
Oil Systems	Pipelines	0.0000	0.0000	0.00
	Facilities	4.1300	0.1161	2.81
	<b>Subtotal</b>	<b>4.1300</b>	<b>0.1161</b>	
Electrical Power	Facilities	148421.6218	6031.3723	4.06
	<b>Subtotal</b>	<b>148421.6218</b>	<b>6031.3723</b>	
Communication	Facilities	68.6760	3.7898	5.52
	<b>Subtotal</b>	<b>68.6760</b>	<b>3.7898</b>	
	<b>Total</b>	<b>217,136.72</b>	<b>7,220.17</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  
El Dorado,CA  
Fresno,CA  
Glenn,CA  
Kern,CA  
Kings,CA  
Lake,CA  
Madera,CA  
Marin,CA  
Mariposa,CA  
Mendocino,CA  
Merced,CA  
Monterey,CA  
Napa,CA  
Nevada,CA  
Placer,CA  
Sacramento,CA  
San Benito,CA  
San Francisco,CA  
San Joaquin,CA  
San Luis Obispo,CA  
San Mateo,CA  
Santa Barbara,CA

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Santa Clara,CA

Santa Cruz,CA

Solano,CA

Sonoma,CA

Stanislaus,CA

Sutter,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
	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
	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
	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
	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
	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
	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
	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

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Total Region		16,846,162	2,085,422	1,076,588	3,162,028
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## Hazus: Earthquake Global Risk Report

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**Region Name:** CalaverasCNCCCS

**Earthquake Scenario:** calaverascnccccshaw0\_m7p29\_se

**Print Date:** April 29, 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 37 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 64,963.17 square miles and contains 3,782 census tracts. There are over 5,683 thousand households in the region which has a total population of 16,396,729 people. The distribution of population by Total Region and County is provided in Appendix B.

There are an estimated 5,092 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 263,087 and 214,403 (millions of dollars) , respectively.

## Building and Lifeline Inventory

### Building Inventory

Hazus estimates that there are 5,092 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 87% 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 279 hospitals in the region with a total bed capacity of 42,667 beds. There are 6,088 schools, 1,622 fire stations, 547 police stations and 94 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 477,490.00 (millions of dollars). This inventory includes over 12,159.61 miles of highways, 12,894 bridges, 281,432.60 miles of pipes.

**Table 1: Transportation System Lifeline Inventory**

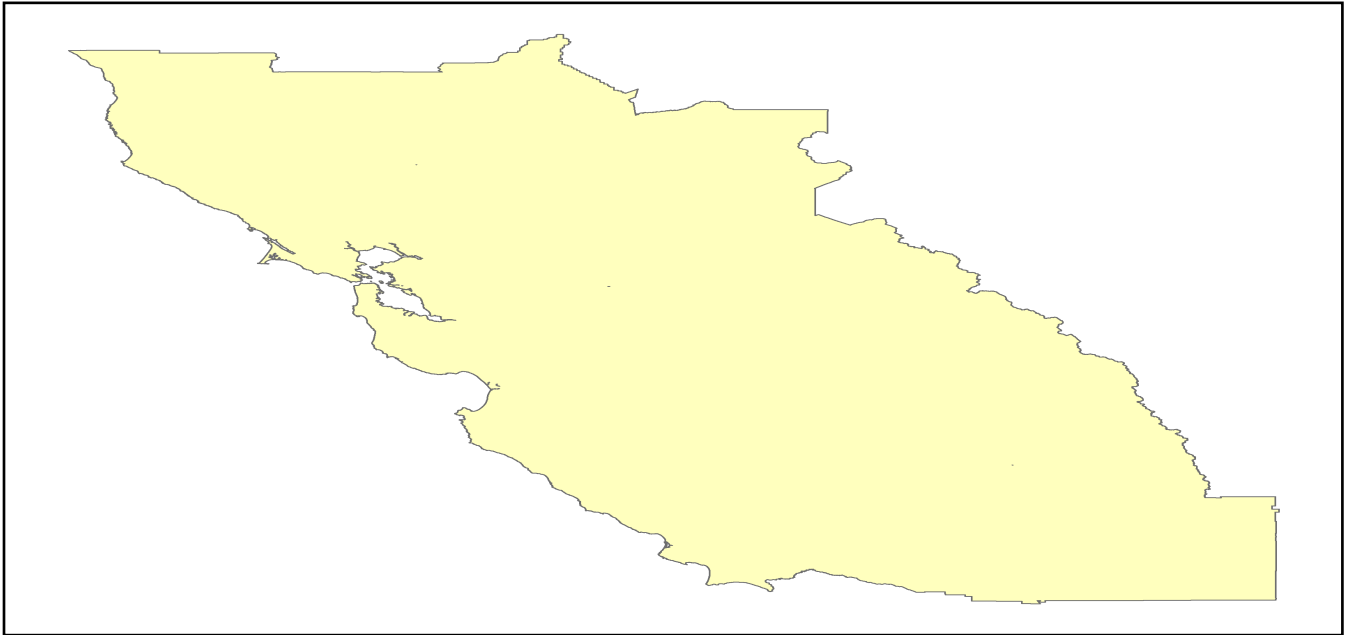
System	Component	# Locations/ # Segments	Replacement value (millions of dollars)
<b>Highway</b>	Bridges	12,894	61797.6755
	Segments	7,844	104810.3565
	Tunnels	51	1005.9853
	<b>Subtotal</b>		<b>167614.0173</b>
<b>Railways</b>	Bridges	1,937	11021.5300
	Facilities	96	255.6480
	Segments	3,440	68224.1940
	Tunnels	3	1.8495
	<b>Subtotal</b>		<b>79503.2215</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	57	128.4708
	<b>Subtotal</b>		<b>128.4708</b>
<b>Ferry</b>	Facilities	25	33.2750
	<b>Subtotal</b>		<b>33.2750</b>
<b>Port</b>	Facilities	370	1410.3825
	<b>Subtotal</b>		<b>1410.3825</b>
<b>Airport</b>	Facilities	133	3006.7016
	Runways	190	1819.1450
	<b>Subtotal</b>		<b>4825.8466</b>
		<b>Total</b>	<b>263,087.80</b>

**Table 2: Utility System Lifeline Inventory**

System	Component	# Locations / Segments	Replacement value (millions of dollars)
<b>Potable Water</b>	Distribution Lines	NA	5591.5522
	Facilities	28	1100.2320
	Pipelines	0	0.0000
		<b>Subtotal</b>	<b>6691.7842</b>
<b>Waste Water</b>	Distribution Lines	NA	3354.9313
	Facilities	196	33702.5528
	Pipelines	0	0.0000
		<b>Subtotal</b>	<b>37057.4841</b>
<b>Natural Gas</b>	Distribution Lines	NA	2236.6209
	Facilities	14	590.2548
	Pipelines	1,098	19717.3205
		<b>Subtotal</b>	<b>22544.1962</b>
<b>Oil Systems</b>	Facilities	33	3.8940
	Pipelines	0	0.0000
		<b>Subtotal</b>	<b>3.8940</b>
<b>Electrical Power</b>	Facilities	560	148042.7411
		<b>Subtotal</b>	<b>148042.7411</b>
<b>Communication</b>	Facilities	540	63.7200
		<b>Subtotal</b>	<b>63.7200</b>
	<b>Total</b>		<b>214,403.80</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>	calaverascnccccshaw0_m7p29_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>	7.29
<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 102,074 buildings will be at least moderately damaged. This is over 2.00 % of the buildings in the region. There are an estimated 1,340 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

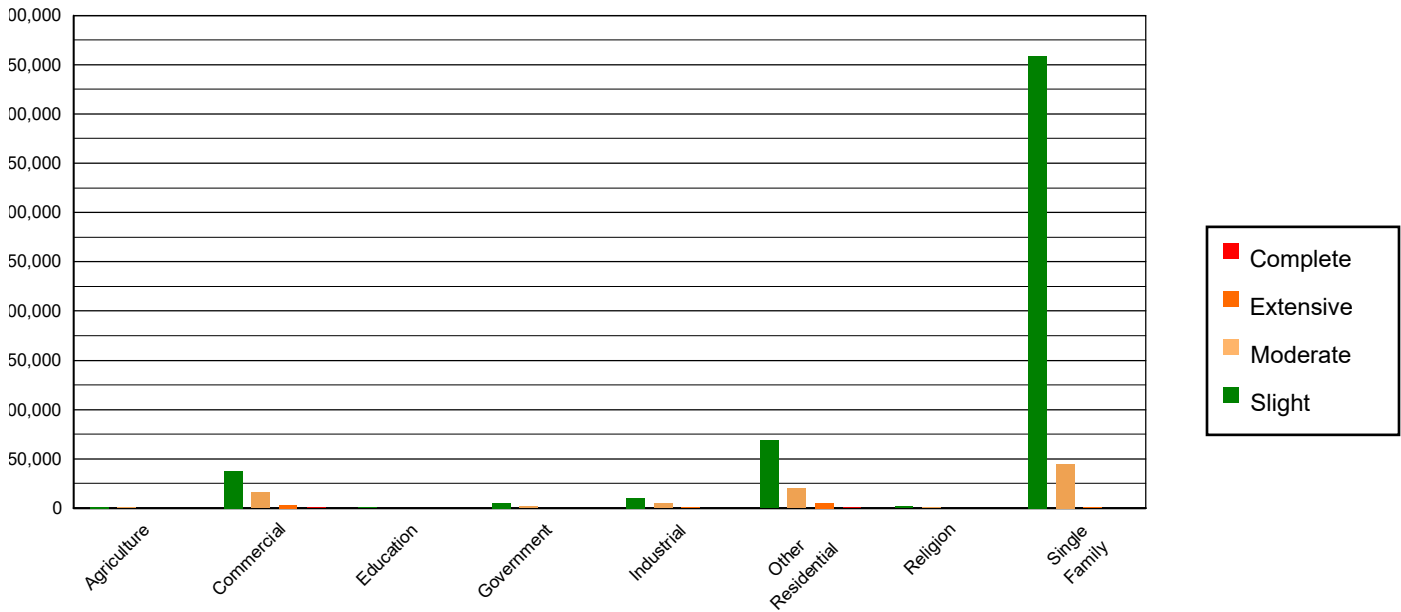


Table 3: Expected Building Damage by Occupancy

	None		Slight		Moderate		Extensive		Complete	
	Count	(%)	Count	(%)	Count	(%)	Count	(%)	Count	(%)
<b>Agriculture</b>	35506.63	0.81	1532.12	0.26	610.19	0.68	115.96	1.11	19.11	1.43
<b>Commercial</b>	268729.95	6.10	37721.41	6.45	16411.73	18.18	3106.71	29.72	535.21	39.92
<b>Education</b>	9124.95	0.21	772.70	0.13	248.35	0.28	45.75	0.44	8.25	0.62
<b>Government</b>	15308.65	0.35	5104.93	0.87	2292.73	2.54	353.82	3.39	39.87	2.97
<b>Industrial</b>	74223.11	1.69	10632.70	1.82	4846.24	5.37	944.60	9.04	143.35	10.69
<b>Other Residential</b>	572143.00	12.99	68763.68	11.75	20282.66	22.47	5280.28	50.52	540.38	40.30
<b>Religion</b>	16696.65	0.38	2002.76	0.34	940.53	1.04	197.51	1.89	33.56	2.50
<b>Single Family</b>	3413105.05	77.49	458694.86	78.38	44650.16	49.46	406.92	3.89	21.01	1.57
<b>Total</b>	<b>4,404,838</b>		<b>585,225</b>		<b>90,283</b>		<b>10,452</b>		<b>1,341</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>	3844045.24	87.27	512082.88	87.50	48294.22	53.49	375.58	3.59	14.01	1.05
<b>Steel</b>	90358.13	2.05	14585.44	2.49	10220.28	11.32	2432.21	23.27	379.65	28.32
<b>Concrete</b>	101921.00	2.31	17585.20	3.00	8101.01	8.97	2174.49	20.81	329.59	24.58
<b>Precast</b>	56894.57	1.29	8271.78	1.41	4275.78	4.74	390.99	3.74	26.03	1.94
<b>RM</b>	169032.20	3.84	15495.77	2.65	5770.40	6.39	366.69	3.51	4.59	0.34
<b>URM</b>	28206.83	0.64	11007.70	1.88	6060.84	6.71	1315.94	12.59	293.36	21.88
<b>MH</b>	114380.03	2.60	6196.38	1.06	7560.05	8.37	3395.63	32.49	293.50	21.89
<b>Total</b>	<b>4,404,838</b>		<b>585,225</b>		<b>90,283</b>		<b>10,452</b>		<b>1,341</b>	

\*Note:

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

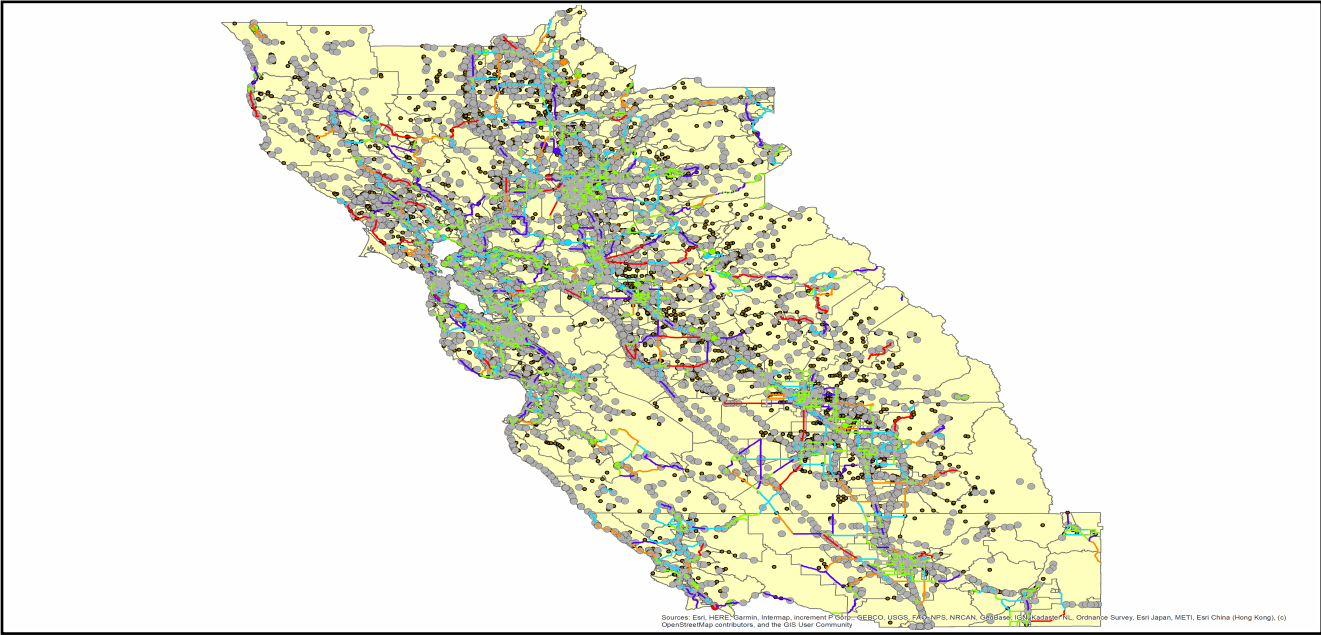
## Essential Facility Damage

Before the earthquake, the region had 42,667 hospital beds available for use. On the day of the earthquake, the model estimates that only 36,615 hospital beds (86.00%) are available for use by patients already in the hospital and those injured by the earthquake. After one week, 94.00% of the beds will be back in service. By 30 days, 99.00% 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	279	13	0	254
Schools	6,088	353	0	5,316
EOCs	94	4	0	86
PoliceStations	547	15	0	495
FireStations	1,622	41	0	1,508

Transportation Lifeline Damage



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

System	Component	Number of Locations_				
		Locations/ Segments	With at Least Mod. Damage	With Complete Damage	With Functionality > 50 %	
					After Day 1	After Day 7
Highway	Segments	7,844	0	0	7,844	7,844
	Bridges	12,894	16	0	12,879	12,887
	Tunnels	51	0	0	51	51
Railways	Segments	3,440	0	0	3,440	3,440
	Bridges	1,937	0	0	1,937	1,937
	Tunnels	3	0	0	3	3
	Facilities	96	0	0	96	96
Light Rail	Segments	15	0	0	15	15
	Bridges	112	0	0	112	112
	Tunnels	0	0	0	0	0
	Facilities	255	0	0	255	255
Bus	Facilities	57	0	0	57	57
Ferry	Facilities	25	0	0	25	25
Port	Facilities	370	0	0	370	370
Airport	Facilities	133	2	0	133	133
	Runways	190	0	0	190	190

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	28	3	0	23	28
Waste Water	196	5	0	173	196
Natural Gas	14	0	0	14	14
Oil Systems	33	0	0	33	33
Electrical Power	560	35	0	536	559
Communication	540	20	0	527	540

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

System	Total Pipelines Length (miles)	Number of Leaks	Number of Breaks
Potable Water	173,721	9196	2299
Waste Water	104,233	4620	1155
Natural Gas	3,479	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	5,683,063	411,378	356,535	248,854	0	0
Electric Power		374,220	232,312	91,267	7,457	511

## Induced Earthquake Damage

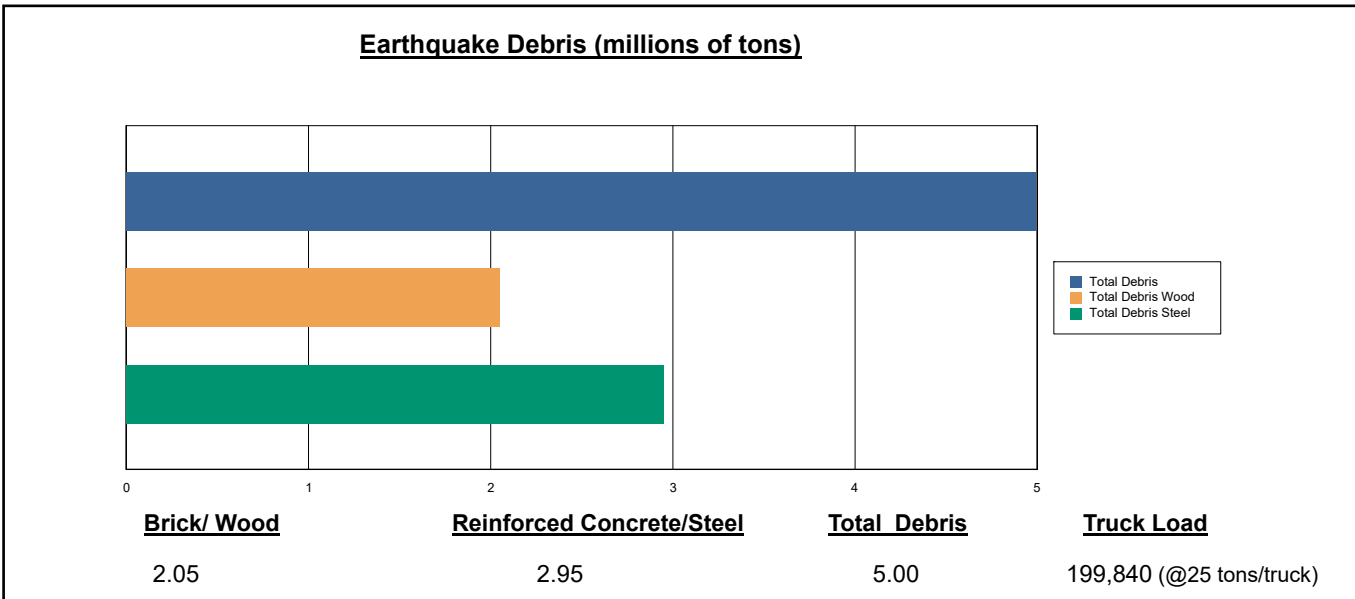
### Fire Following Earthquake

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 78 ignitions that will burn about 1.91 sq. mi (0.00 % of the region's total area.) The model also estimates that the fires will displace about 19,926 people and burn about 2,618 (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.

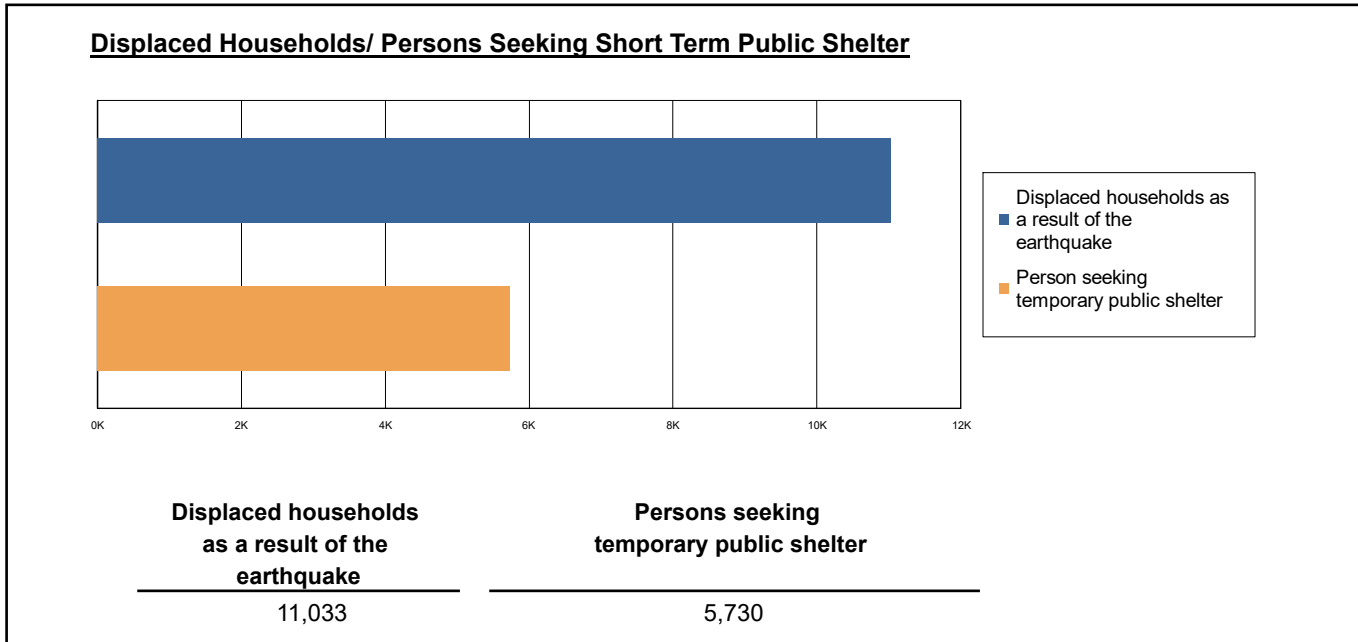
The model estimates that a total of 4,996,000 tons of debris will be generated. Of the total amount, Brick/Wood comprises 41.00% of the total, with the remainder being Reinforced Concrete/Steel. If the debris tonnage is converted to an estimated number of truckloads, it will require 199,840 truckloads (@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 11,033 households to be displaced due to the earthquake. Of these, 5,730 people (out of a total population of 16,396,729) 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	44.42	7.06	0.73	1.43
	Commuting	0.49	0.66	1.10	0.21
	Educational	0.00	0.00	0.00	0.00
	Hotels	2.01	0.20	0.01	0.01
	Industrial	49.00	7.41	0.72	1.41
	Other-Residential	1329.15	179.93	16.23	31.28
	Single Family	1076.61	46.71	0.56	1.05
	<b>Total</b>	<b>2,502</b>	<b>242</b>	<b>19</b>	<b>35</b>
<b>2 PM</b>	Commercial	2958.55	472.59	49.31	95.41
	Commuting	4.37	5.91	9.89	1.92
	Educational	663.57	103.06	11.12	21.55
	Hotels	0.39	0.04	0.00	0.00
	Industrial	359.27	54.57	5.37	10.35
	Other-Residential	417.58	58.65	5.62	10.42
	Single Family	296.62	13.53	0.21	0.37
	<b>Total</b>	<b>4,700</b>	<b>708</b>	<b>82</b>	<b>140</b>
<b>5 PM</b>	Commercial	2073.35	332.94	35.13	66.98
	Commuting	85.97	115.35	193.89	37.59
	Educational	93.53	13.00	1.30	2.50
	Hotels	0.60	0.06	0.00	0.00
	Industrial	224.54	34.11	3.35	6.47
	Other-Residential	504.94	70.24	6.64	12.32
	Single Family	393.38	17.91	0.26	0.45
	<b>Total</b>	<b>3,376</b>	<b>584</b>	<b>241</b>	<b>126</b>

## Economic Loss

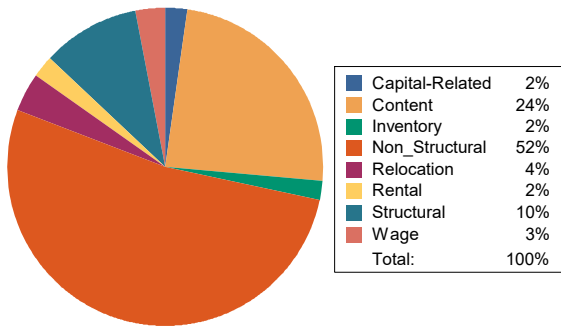
The total economic loss estimated for the earthquake is 53,966.92 (millions of dollars), which includes building and lifeline related losses based on the region's available inventory. The following three sections provide more detailed information about these losses.

## Building-Related Losses

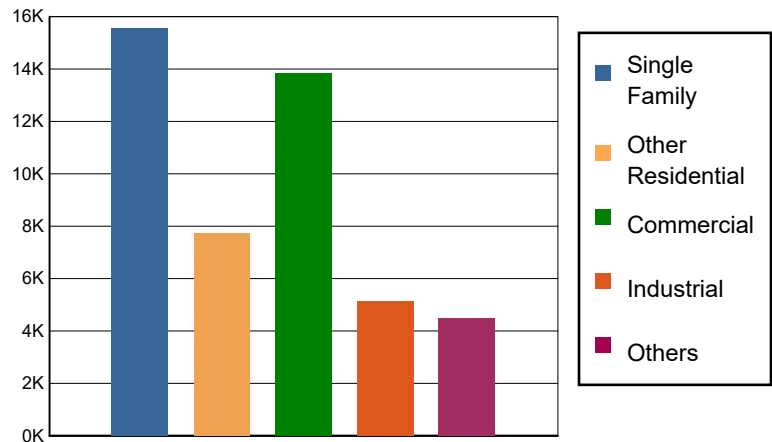
The building losses are broken into two categories: direct building losses and business interruption losses. The direct building losses are the estimated costs to repair or replace the damage caused to the building and its contents. The business interruption losses are the losses associated with inability 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 46,776.66 (millions of dollars); 12 % 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 50 % 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	105.2038	1078.5768	49.8386	142.0872	1,375.7064
	Capital-Related	0.0000	44.7223	1002.2115	30.1529	23.2829	1,100.3696
	Rental	109.0912	383.7660	531.8203	29.2566	75.4855	1,129.4196
	Relocation	324.9736	246.0775	733.0484	136.5002	358.2401	1,798.8398
	<b>Subtotal</b>	<b>434.0648</b>	<b>779.7696</b>	<b>3345.6570</b>	<b>245.7483</b>	<b>599.0957</b>	<b>5404.3354</b>
<b>Capital Stock Losses</b>							
	Structural	1514.4258	796.1560	1424.3524	484.7176	484.2571	4,703.9089
	Non_Structural	9789.7656	4796.7324	5394.8409	2420.3611	2131.4192	24,533.1192
	Content	3817.6801	1346.9680	3155.4026	1748.2965	1212.3151	11,280.6623
	Inventory	0.0000	0.0000	533.0994	256.6858	64.8523	854.6375
	<b>Subtotal</b>	<b>15121.8715</b>	<b>6939.8564</b>	<b>10507.6953</b>	<b>4910.0610</b>	<b>3892.8437</b>	<b>41372.3279</b>
	<b>Total</b>	<b>15555.94</b>	<b>7719.63</b>	<b>13853.35</b>	<b>5155.81</b>	<b>4491.94</b>	<b>46776.66</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	104810.3565	0.0000	0.00
	Bridges	61797.6755	504.0044	0.82
	Tunnels	1005.9853	3.2508	0.32
	<b>Subtotal</b>	<b>167614.0173</b>	<b>507.2552</b>	
Railways	Segments	68224.1940	0.0000	0.00
	Bridges	11021.5300	49.2076	0.45
	Tunnels	1.8495	0.0917	4.96
	Facilities	255.6480	17.4101	6.81
	<b>Subtotal</b>	<b>79503.2215</b>	<b>66.7094</b>	
Light Rail	Segments	5403.2756	0.0000	0.00
	Bridges	15.3529	0.2443	1.59
	Tunnels	0.0000	0.0000	0.00
	Facilities	4154.0000	423.9176	10.21
	<b>Subtotal</b>	<b>9572.6285</b>	<b>424.1619</b>	
Bus	Facilities	128.4708	5.1734	4.03
	<b>Subtotal</b>	<b>128.4708</b>	<b>5.1734</b>	
Ferry	Facilities	33.2750	2.9875	8.98
	<b>Subtotal</b>	<b>33.2750</b>	<b>2.9875</b>	
Port	Facilities	1410.3825	133.5309	9.47
	<b>Subtotal</b>	<b>1410.3825</b>	<b>133.5309</b>	
Airport	Facilities	3006.7016	276.6094	9.20
	Runways	1819.1450	0.0000	0.00
	<b>Subtotal</b>	<b>4825.8466</b>	<b>276.6094</b>	
<b>Total</b>		<b>263,087.84</b>	<b>1,416.43</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	1100.2320	51.7954	4.71
	Distribution Lines	5591.5522	41.3834	0.74
	<b>Subtotal</b>	<b>6691.7842</b>	<b>93.1788</b>	
Waste Water	Pipelines	0.0000	0.0000	0.00
	Facilities	33702.5528	886.4012	2.63
	Distribution Lines	3354.9313	20.7879	0.62
	<b>Subtotal</b>	<b>37057.4841</b>	<b>907.1891</b>	
Natural Gas	Pipelines	19717.3205	0.0000	0.00
	Facilities	590.2548	0.1560	0.03
	Distribution Lines	2236.6209	7.1218	0.32
	<b>Subtotal</b>	<b>22544.1962</b>	<b>7.2778</b>	
Oil Systems	Pipelines	0.0000	0.0000	0.00
	Facilities	3.8940	0.1020	2.62
	<b>Subtotal</b>	<b>3.8940</b>	<b>0.1020</b>	
Electrical Power	Facilities	148042.7411	4763.0593	3.22
	<b>Subtotal</b>	<b>148042.7411</b>	<b>4763.0593</b>	
Communication	Facilities	63.7200	3.0228	4.74
	<b>Subtotal</b>	<b>63.7200</b>	<b>3.0228</b>	
	<b>Total</b>	<b>214,403.82</b>	<b>5,773.83</b>	

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## Appendix A: County Listing for the Region

Alameda,CA  
Amador,CA  
Butte,CA  
Calaveras,CA  
Colusa,CA  
Contra Costa,CA  
El Dorado,CA  
Fresno,CA  
Glenn,CA  
Kern,CA  
Kings,CA  
Lake,CA  
Madera,CA  
Marin,CA  
Mariposa,CA  
Mendocino,CA  
Merced,CA  
Monterey,CA  
Napa,CA  
Nevada,CA  
Placer,CA  
Sacramento,CA  
San Benito,CA  
San Francisco,CA  
San Joaquin,CA  
San Luis Obispo,CA  
San Mateo,CA  
Santa Clara,CA  
Santa Cruz,CA

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Solano,CA

Sonoma,CA

Stanislaus,CA

Sutter,CA

Tulare,CA

Tuolumne,CA

Yolo,CA

Yuba,CA

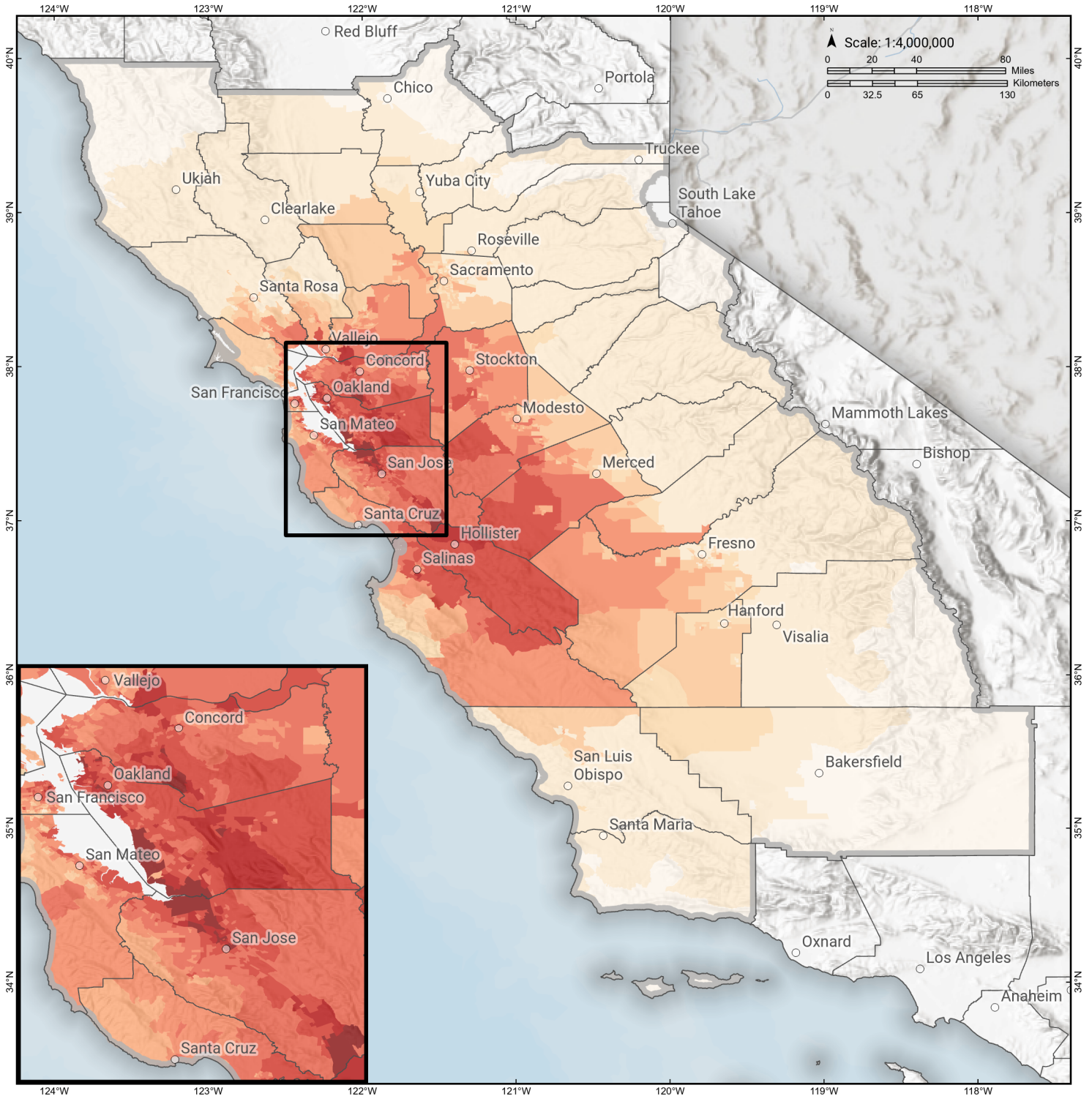
## Appendix B: Regional Population and Building Value Data

State	County Name	Population	Building Value (millions of dollars)		
			Residential	Non-Residential	Total
California	Alameda	1,682,353	209,951	122,639	332,590
	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
	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
	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
	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
	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
	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 Clara	1,936,259	261,111	120,471	381,582
	Santa Cruz	270,861	36,147	18,805	54,952
	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
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>16,396,729</b>	<b>2,034,730</b>	<b>1,047,968</b>	<b>3,082,715</b>



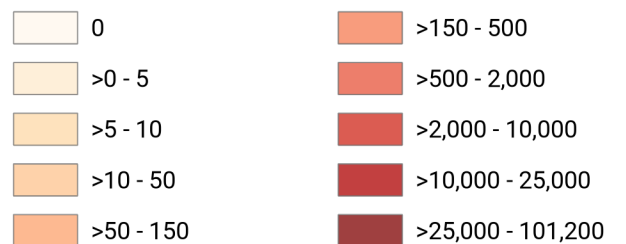
# Calaveras: CN+CC+CS+CE

## Debris Generated by Census Tract



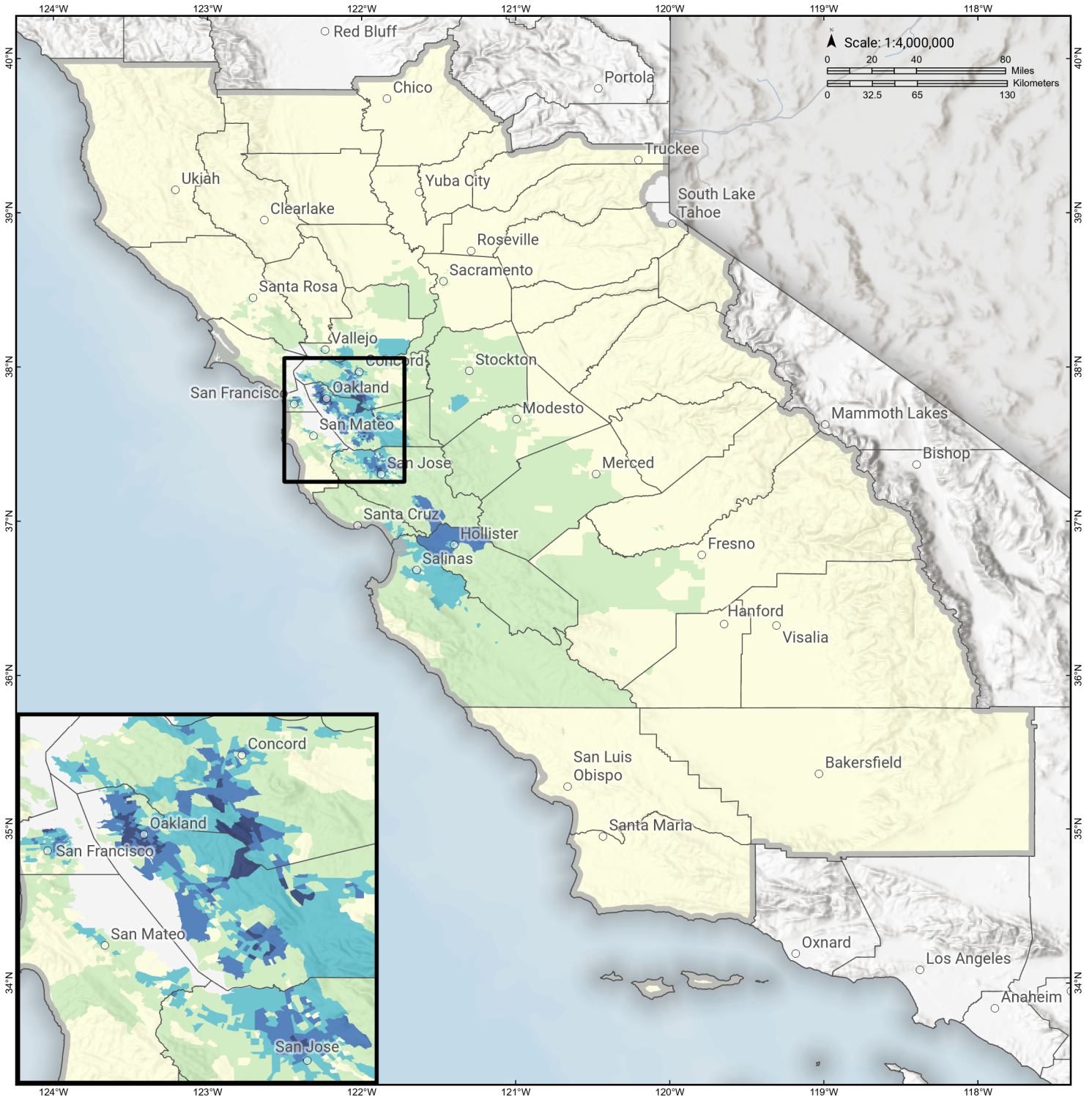
**Study Region:** Calaveras: CN+CC+CS+CE  
**Scenario:** calaverascnccccscsha\_m7p43\_se

### Debris Generated (in tons)



# Calaveras: CN+CC+CS+CE

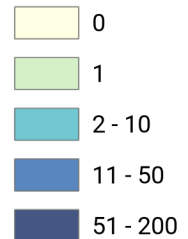
## Displaced Households by Census Tract



**Study Region:** Calaveras: CN+CC+CS+CE  
**Scenario:** calaverascnccscsesha\_m7p43\_se

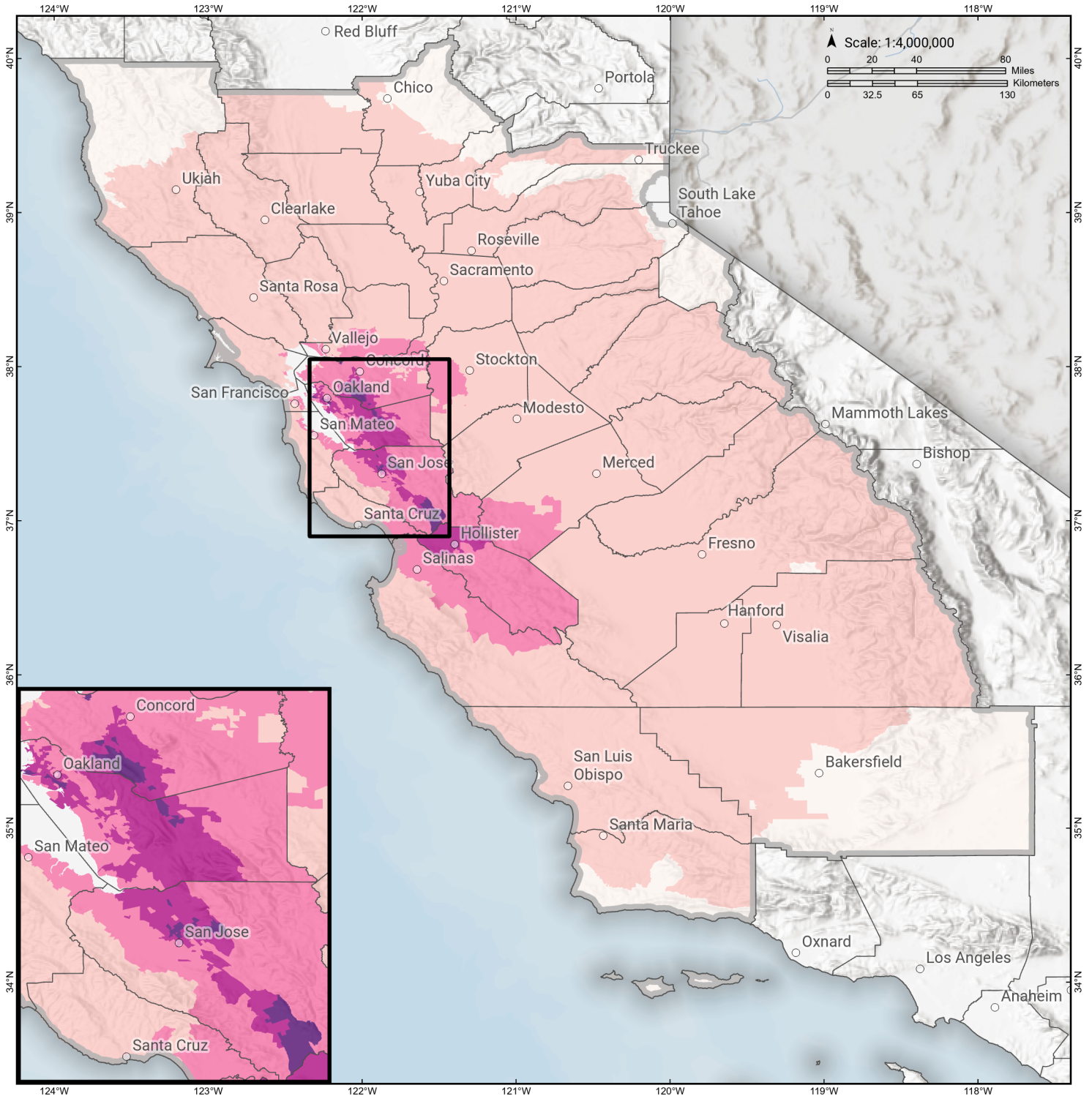


### Displaced Households



# Calaveras: CN+CC+CS+CE

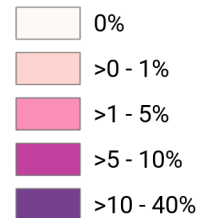
## Loss Ratio by Census Tract



**Study Region:** Calaveras: CN+CC+CS+CE  
**Scenario:** calaverascnccccsesha\_m7p43\_se

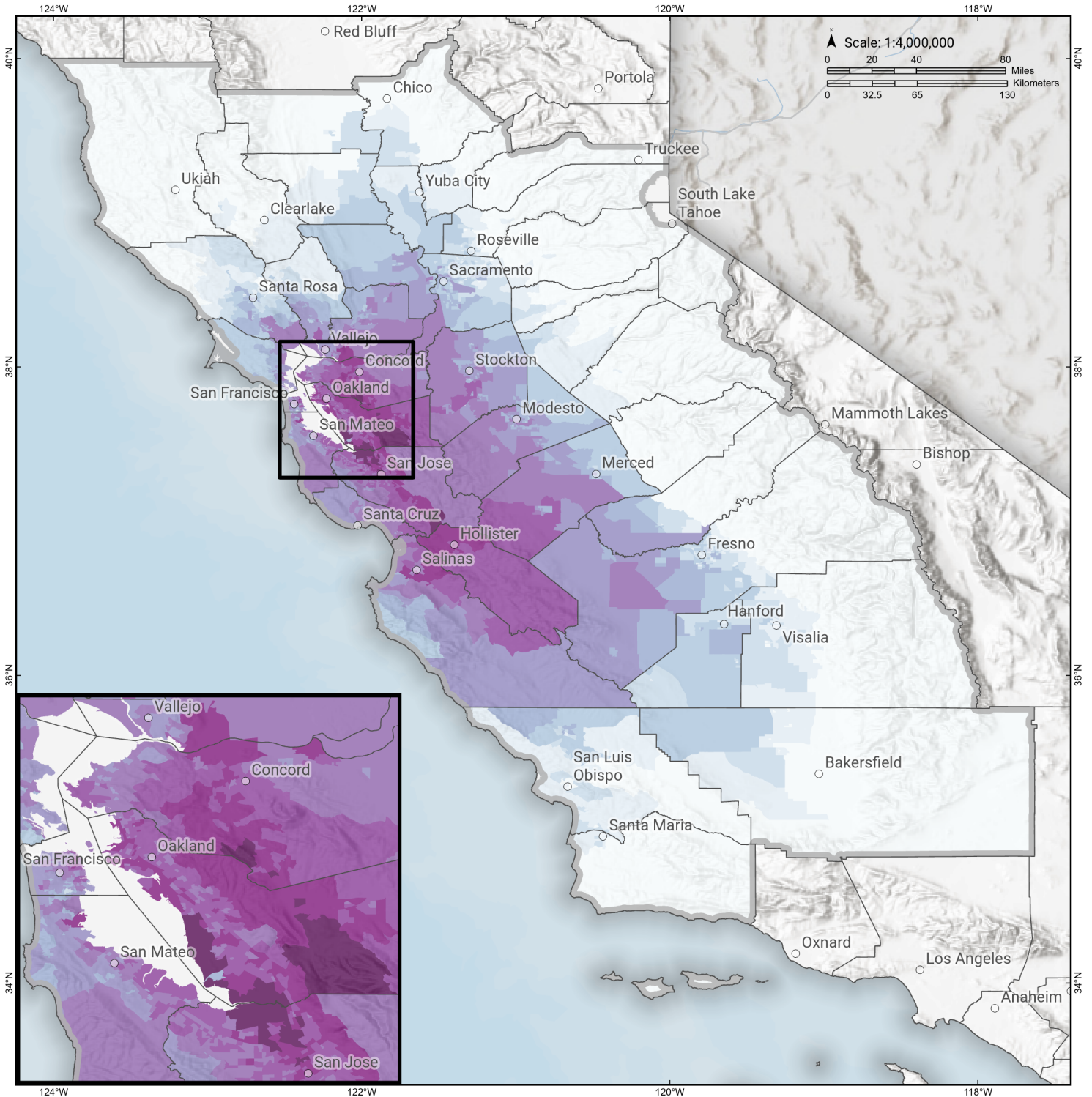


**Loss Ratio** (ratio of building related economic loss to exposed value of buildings)



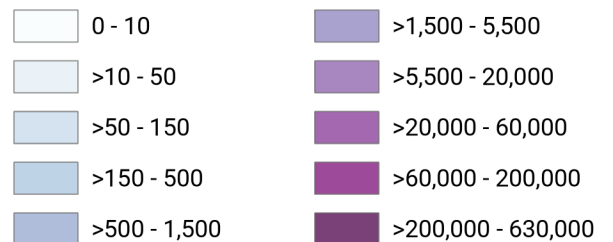
# Calaveras: CN+CC+CS+CE

## Total Building Related Economic Loss by Census Tract



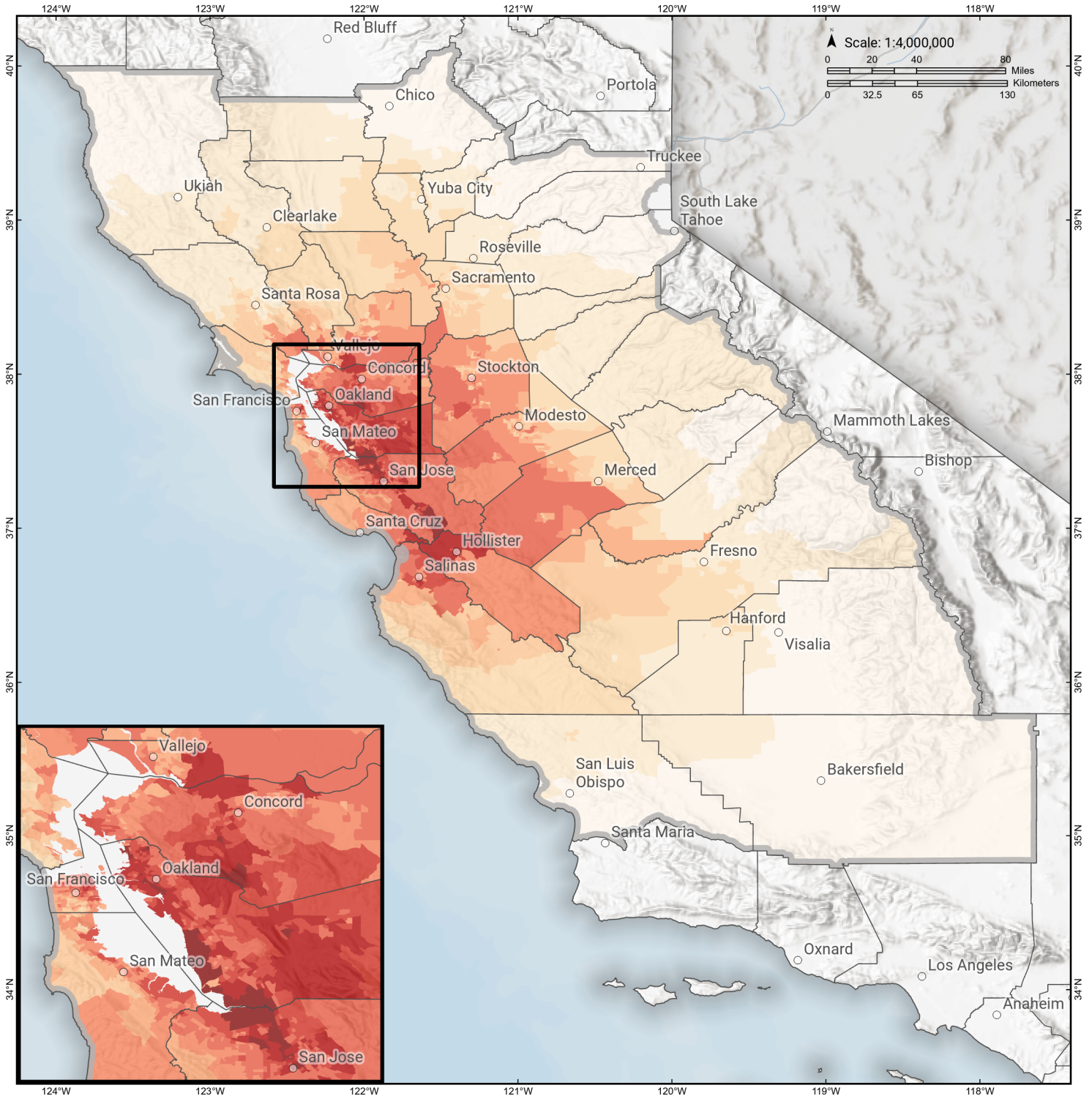
**Study Region:** Calaveras: CN+CC+CS+CE  
**Scenario:** calaverascnccccscsha\_m7p43\_se

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



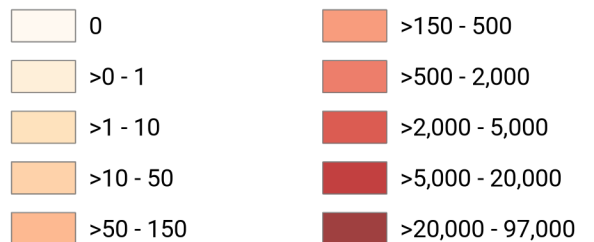
# Calaveras: CN+CC+CS

## Debris Generated by Census Tract



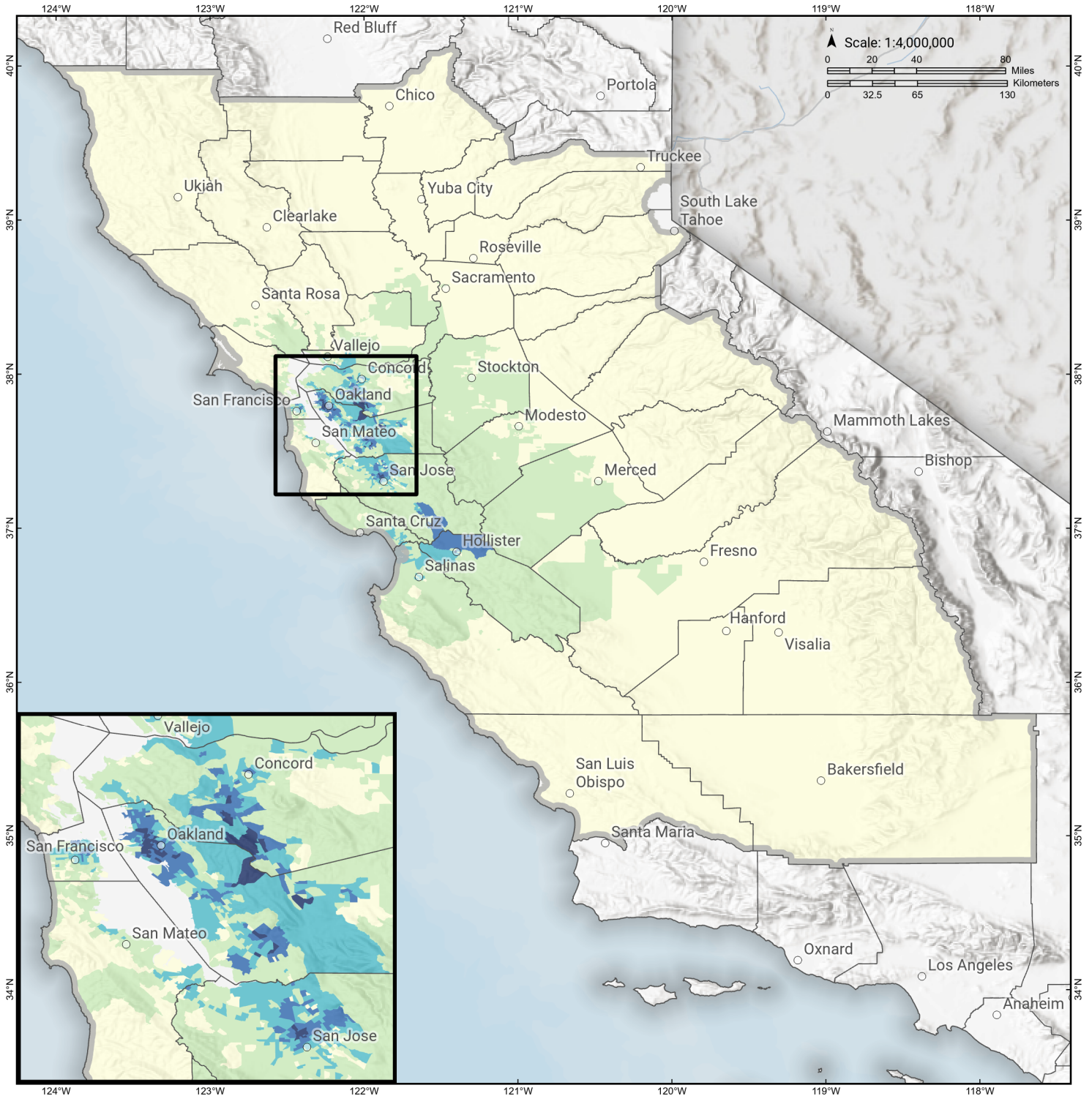
**Study Region:** Calaveras: CN+CC+CS  
**Scenario:** calaverascncccsshaw0\_m7p29\_se

### Debris Generated (in tons)



# Calaveras: CN+CC+CS

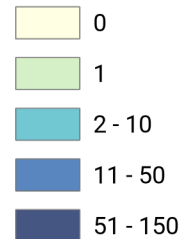
## Displaced Households by Census Tract



**Study Region:** Calaveras: CN+CC+CS  
**Scenario:** calaverascncccsshaw0\_m7p29\_se

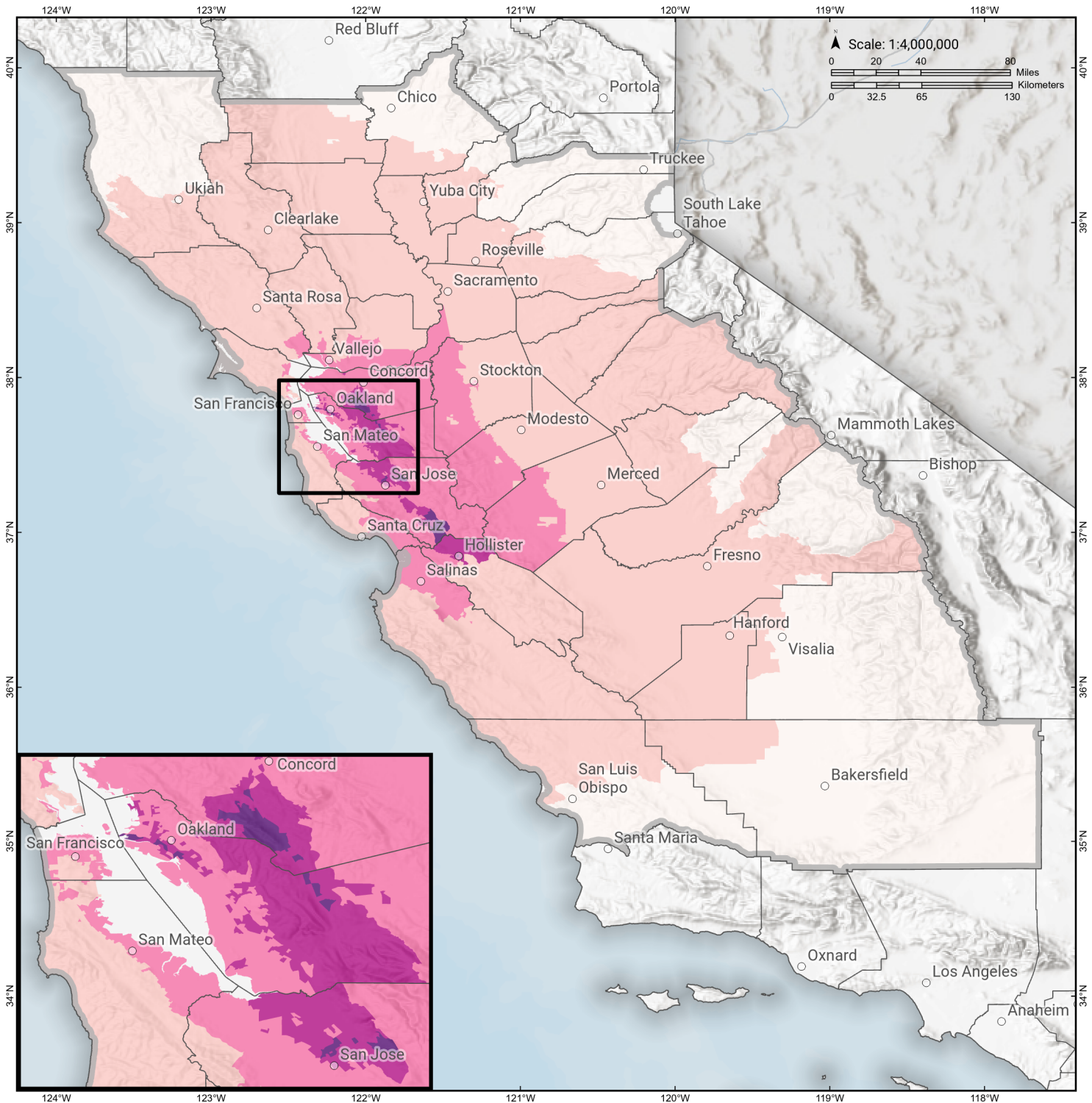


### Displaced Households



# Calaveras: CN+CC+CS

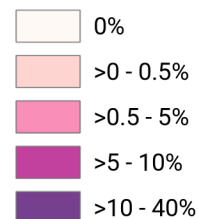
## Loss Ratio by Census Tract



**Study Region:** Calaveras: CN+CC+CS  
**Scenario:** calaverascncccsshaw0\_m7p29\_se

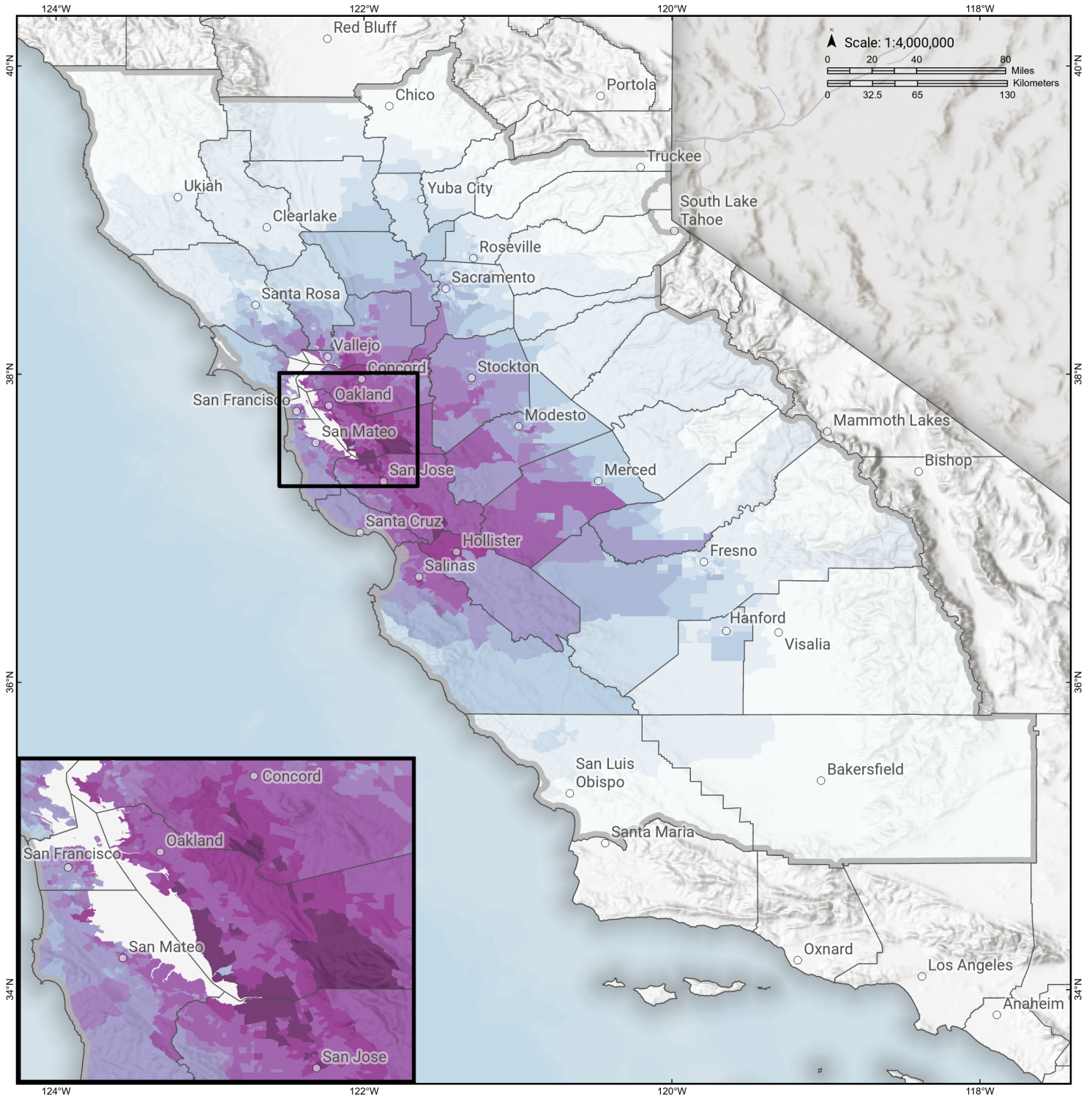


**Loss Ratio** (ratio of building related economic loss to exposed value of buildings)



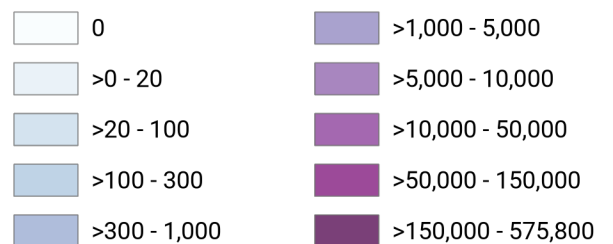
# Calaveras: CN+CC+CS

## Total Building Related Economic Loss by Census Tract



**Study Region:** Calaveras: CN+CC+CS  
**Scenario:** calaverascncccsshaw0\_m7p29\_se

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



## Building Damage by Count by General Occupancy

May 20, 2024

	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<b>California</b>						
<b>Alameda</b>						
<i>Government</i>	4,525	3,748	1,917	309	29	10,528
<i>Commercial</i>	11,945	11,073	6,710	1,948	313	31,989
<i>Agriculture</i>	154	151	86	27	6	422
<i>Religion</i>	708	662	450	143	23	1,986
<i>Single Family</i>	170,265	156,940	16,867	98	3	344,173
<i>Education</i>	669	284	119	39	6	1,117
<i>Industrial</i>	3,929	3,560	2,064	558	92	10,205
<i>Other Residential</i>	28,961	22,725	6,845	2,507	359	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>	531	0	0	0	0	531
<i>Agriculture</i>	510	0	0	0	0	510
<i>Government</i>	147	0	0	0	0	147
<i>Commercial</i>	6,384	1	0	0	0	6,385
<i>Industrial</i>	1,522	0	0	0	0	1,522
<i>Other Residential</i>	21,495	3	0	0	0	21,498
<i>Single Family</i>	50,283	0	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>	2,557	2	0	0	0	2,559
<i>Commercial</i>	1,413	0	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>						
Single Family	22,148	0	0	0	0	22,148
Agriculture	142	0	0	0	0	142
Religion	58	0	0	0	0	58
Commercial	793	1	0	0	0	794
Industrial	113	0	0	0	0	113
Other Residential	953	1	0	0	0	954
Single Family	5,953	1	0	0	0	5,954
Government	32	0	0	0	0	32
Education	33	0	0	0	0	33
<b>Contra Costa</b>						
Commercial	9,031	5,541	2,794	545	79	17,991
Agriculture	381	226	113	26	4	749
Religion	655	348	181	38	4	1,226
Single Family	174,273	96,227	11,328	106	1	281,935
Government	3,157	1,233	516	104	14	5,024
Education	457	146	44	5	1	653
Industrial	2,527	1,361	693	148	19	4,749
Other Residential	15,228	9,847	3,432	586	30	29,124
<b>El Dorado</b>						
Education	128	0	0	0	0	128
Industrial	1,199	0	0	0	0	1,199
Other Residential	10,420	0	0	0	0	10,420
Single Family	71,424	0	0	0	0	71,424
Government	100	0	0	0	0	100

	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<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>	20,951	95	8	0	0	21,054
<i>Religion</i>	1,497	9	1	0	0	1,507
<i>Agriculture</i>	3,372	45	4	0	0	3,421
<i>Industrial</i>	5,310	35	3	0	0	5,348
<i>Other Residential</i>	40,692	259	21	0	0	40,973
<i>Single Family</i>	226,124	300	1	0	0	226,425
<i>Government</i>	289	2	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>	254	0	0	0	0	254
<i>Other Residential</i>	2,151	1	0	0	0	2,152
<i>Single Family</i>	7,417	0	0	0	0	7,417
<i>Commercial</i>	885	0	0	0	0	885
<i>Agriculture</i>	1,365	0	0	0	0	1,365
<i>Religion</i>	89	0	0	0	0	89
<b>Kern</b>						
<i>Single Family</i>	205,139	0	0	0	0	205,139
<i>Education</i>	462	0	0	0	0	462
<i>Industrial</i>	6,047	0	0	0	0	6,047

		# of Buildings					
		None	Slight	Moderate	Extensive	Complete	Total
<b>Kings</b>	<i>Other Residential</i>	54,516	4	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
	<i>Commercial</i>	2,306	11	1	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>	4,319	22	1	0	0	4,342
<b>Lake</b>	<i>Industrial</i>	552	3	0	0	0	555
	<i>Single Family</i>	36,199	46	0	0	0	36,245
	<i>Education</i>	103	0	0	0	0	103
	<i>Agriculture</i>	161	0	0	0	0	161
	<i>Single Family</i>	21,633	0	0	0	0	21,633
	<i>Other Residential</i>	14,593	8	0	0	0	14,601
	<i>Education</i>	68	0	0	0	0	68
	<i>Industrial</i>	354	0	0	0	0	354
	<i>Religion</i>	140	0	0	0	0	140
	<i>Commercial</i>	2,091	0	0	0	0	2,091
<b>Madera</b>	<i>Government</i>	78	0	0	0	0	78
	<i>Commercial</i>	2,889	15	1	0	0	2,905

	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<i>Religion</i>	119	0	0	0	0	119
<i>Government</i>	111	0	0	0	0	111
<i>Agriculture</i>	623	9	1	0	0	634
<i>Other Residential</i>	6,595	37	2	0	0	6,635
<i>Industrial</i>	897	5	0	0	0	903
<i>Single Family</i>	38,843	69	0	0	0	38,912
<i>Education</i>	115	0	0	0	0	115
<b>Marin</b>						
<i>Other Residential</i>	7,550	302	38	1	0	7,890
<i>Government</i>	136	6	1	0	0	143
<i>Education</i>	270	4	0	0	0	274
<i>Commercial</i>	7,783	430	55	1	0	8,270
<i>Religion</i>	305	13	1	0	0	319
<i>Agriculture</i>	177	11	3	0	0	190
<i>Single Family</i>	75,125	1,588	12	0	0	76,724
<i>Industrial</i>	1,390	124	20	0	0	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

	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<i>Government</i>	33	0	0	0	0	33
<b>Mendocino</b>						
<i>Commercial</i>	3,436	0	0	0	0	3,436
<i>Religion</i>	216	0	0	0	0	216
<i>Agriculture</i>	184	0	0	0	0	184
<i>Other Residential</i>	7,060	0	0	0	0	7,060
<i>Government</i>	83	0	0	0	0	83
<i>Single Family</i>	25,969	0	0	0	0	25,969
<i>Education</i>	101	0	0	0	0	101
<i>Industrial</i>	869	0	0	0	0	869
<b>Merced</b>						
<i>Education</i>	162	1	0	0	0	163
<i>Government</i>	168	3	0	0	0	171
<i>Commercial</i>	4,592	147	15	0	0	4,754
<i>Religion</i>	334	10	1	0	0	345
<i>Agriculture</i>	6,929	535	173	15	0	7,653
<i>Single Family</i>	62,389	1,204	6	0	0	63,598
<i>Industrial</i>	988	31	3	0	0	1,022
<i>Other Residential</i>	10,306	419	61	1	0	10,787
<b>Monterey</b>						
<i>Single Family</i>	77,726	12,814	336	0	0	90,876
<i>Industrial</i>	1,363	340	127	19	1	1,850
<i>Education</i>	222	15	2	0	0	239
<i>Other Residential</i>	15,247	3,470	1,010	80	2	19,809
<i>Commercial</i>	7,365	1,370	443	66	2	9,246

		# of Buildings					
		None	Slight	Moderate	Extensive	Complete	Total
<b>Napa</b>	<i>Religion</i>	466	81	28	5	0	580
	<i>Agriculture</i>	1,556	195	55	8	0	1,815
	<i>Government</i>	152	26	7	1	0	185
	<i>Agriculture</i>	338	10	2	0	0	349
	<i>Commercial</i>	3,828	172	21	0	0	4,021
	<i>Religion</i>	141	7	1	0	0	148
	<i>Single Family</i>	37,831	925	5	0	0	38,761
	<i>Other Residential</i>	6,608	334	35	0	0	6,978
	<i>Government</i>	97	5	1	0	0	103
	<i>Education</i>	128	3	1	0	0	132
<b>Nevada</b>	<i>Industrial</i>	1,290	68	9	0	0	1,367
	<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
<i>Government</i>		377	0	0	0	0	377
<i>Commercial</i>		8,534	4	0	0	0	8,538

	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<i>Agriculture</i>	258	0	0	0	0	258
<i>Religion</i>	382	0	0	0	0	382
<i>Other Residential</i>	14,835	8	0	0	0	14,843
<i>Single Family</i>	134,702	17	0	0	0	134,719
<i>Industrial</i>	2,702	1	0	0	0	2,703
<b>Sacramento</b>						
<i>Single Family</i>	385,809	1,025	6	0	0	386,840
<i>Industrial</i>	6,708	43	5	0	0	6,756
<i>Other Residential</i>	55,942	414	56	1	0	56,413
<i>Education</i>	828	1	0	0	0	829
<i>Commercial</i>	26,054	205	32	4	0	26,295
<i>Religion</i>	1,683	17	2	0	0	1,702
<i>Agriculture</i>	616	4	1	0	0	621
<i>Government</i>	607	11	1	0	0	619
<b>San Benito</b>						
<i>Other Residential</i>	232	630	311	152	50	1,375
<i>Government</i>	9	12	14	5	6	45
<i>Single Family</i>	3,706	9,104	1,891	25	0	14,726
<i>Industrial</i>	83	126	87	18	11	326
<i>Education</i>	16	16	7	1	2	42
<i>Agriculture</i>	100	104	41	5	2	253
<i>Religion</i>	13	25	15	4	8	64
<i>Commercial</i>	250	402	257	74	97	1,080
<b>San Francisco</b>						
<i>Other Residential</i>	34,142	7,653	2,557	175	3	44,529

	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<i>Government</i>	166	81	38	4	0	289
<i>Single Family</i>	135,486	13,453	1,654	109	1	150,703
<i>Education</i>	474	63	31	3	0	572
<i>Industrial</i>	2,745	755	328	31	1	3,860
<i>Commercial</i>	14,296	4,751	2,114	181	3	21,344
<i>Religion</i>	1,002	249	89	6	0	1,345
<i>Agriculture</i>	125	27	10	1	0	162
<b>San Joaquin</b>						
<i>Commercial</i>	12,159	626	77	2	0	12,864
<i>Religion</i>	829	43	5	0	0	877
<i>Agriculture</i>	710	37	5	0	0	753
<i>Government</i>	286	15	3	0	0	304
<i>Single Family</i>	178,703	9,391	801	27	0	188,922
<i>Education</i>	388	7	1	0	0	395
<i>Industrial</i>	4,625	266	36	1	0	4,928
<i>Other Residential</i>	20,320	1,311	170	4	0	21,805
<b>San Luis Obispo</b>						
<i>Agriculture</i>	420	1	0	0	0	421
<i>Government</i>	185	0	0	0	0	185
<i>Religion</i>	359	1	0	0	0	360
<i>Commercial</i>	9,362	12	1	0	0	9,375
<i>Other Residential</i>	20,144	69	4	0	0	20,216
<i>Single Family</i>	85,621	18	0	0	0	85,639
<i>Industrial</i>	2,552	4	0	0	0	2,556
<i>Education</i>	182	0	0	0	0	182

	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<b>San Mateo</b>						
<i>Religion</i>	607	105	23	1	0	736
<i>Commercial</i>	11,927	2,018	427	23	1	14,395
<i>Government</i>	245	44	10	0	0	299
<i>Agriculture</i>	457	61	18	3	0	539
<i>Single Family</i>	144,936	14,627	368	0	0	159,931
<i>Other Residential</i>	18,855	3,058	498	42	1	22,453
<i>Industrial</i>	3,588	696	177	11	0	4,472
<i>Education</i>	457	27	5	0	0	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>	24,105	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>	234,053	172,854	20,073	209	29	427,219
<i>Government</i>	205	159	105	26	8	502
<i>Other Residential</i>	27,336	21,300	7,140	2,989	394	59,160
<i>Education</i>	832	261	68	9	3	1,173
<i>Industrial</i>	3,849	3,358	1,779	364	83	9,433
<i>Religion</i>	718	503	257	50	12	1,540

	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<i>Commercial</i>	16,766	12,014	5,406	1,031	253	35,469
<i>Agriculture</i>	319	307	201	55	13	895
<b>Santa Cruz</b>						
<i>Agriculture</i>	609	158	60	12	1	840
<i>Religion</i>	299	45	13	2	0	359
<i>Other Residential</i>	12,225	2,210	423	33	1	14,892
<i>Industrial</i>	1,485	251	74	9	0	1,819
<i>Single Family</i>	62,125	6,631	114	0	0	68,870
<i>Education</i>	208	14	3	0	0	225
<i>Commercial</i>	5,620	847	207	19	0	6,694
<i>Government</i>	106	15	5	1	0	127
<b>Solano</b>						
<i>Agriculture</i>	218	21	5	1	0	245
<i>Religion</i>	390	50	12	2	0	454
<i>Commercial</i>	6,332	751	168	17	1	7,268
<i>Government</i>	136	14	2	0	0	152
<i>Other Residential</i>	10,651	1,409	244	13	0	12,317
<i>Industrial</i>	1,721	294	78	8	0	2,101
<i>Single Family</i>	111,962	8,906	100	0	0	120,968
<i>Education</i>	216	8	1	0	0	225
<b>Sonoma</b>						
<i>Government</i>	314	4	1	0	0	319
<i>Other Residential</i>	24,715	292	26	0	0	25,033
<i>Education</i>	366	1	0	0	0	367
<i>Religion</i>	570	6	0	0	0	576

	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<i>Commercial</i>	11,962	134	14	0	0	12,110
<i>Agriculture</i>	1,273	26	5	0	0	1,304
<i>Single Family</i>	141,515	513	1	0	0	142,028
<i>Industrial</i>	3,765	53	6	0	0	3,825
<b>Stanislaus</b>						
<i>Other Residential</i>	18,743	746	80	1	0	19,569
<i>Education</i>	304	3	0	0	0	307
<i>Industrial</i>	3,287	163	24	1	0	3,475
<i>Single Family</i>	139,607	3,104	13	0	0	142,724
<i>Government</i>	654	24	2	0	0	680
<i>Religion</i>	433	20	3	0	0	456
<i>Commercial</i>	9,874	437	57	1	0	10,369
<i>Agriculture</i>	1,173	55	11	1	0	1,239
<b>Sutter</b>						
<i>Other Residential</i>	3,110	3	0	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>	636	0	0	0	0	636
<i>Single Family</i>	24,510	2	0	0	0	24,512
<i>Agriculture</i>	1,122	3	0	0	0	1,125
<i>Commercial</i>	2,051	1	0	0	0	2,052
<i>Religion</i>	154	0	0	0	0	154
<b>Tulare</b>						
<i>Religion</i>	827	0	0	0	0	827
<i>Commercial</i>	8,870	2	0	0	0	8,873

	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<i>Agriculture</i>	3,553	1	0	0	0	3,555
<i>Government</i>	461	0	0	0	0	461
<i>Single Family</i>	112,033	1	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>	20,011	10	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>	4,962	0	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>	109	2	0	0	0	111
<i>Industrial</i>	1,100	16	1	0	0	1,117
<i>Other Residential</i>	9,753	104	5	0	0	9,861
<i>Single Family</i>	42,311	278	0	0	0	42,589
<i>Commercial</i>	4,165	55	4	0	0	4,225
<i>Agriculture</i>	278	3	0	0	0	281
<i>Religion</i>	239	3	0	0	0	242
<b>Yuba</b>						

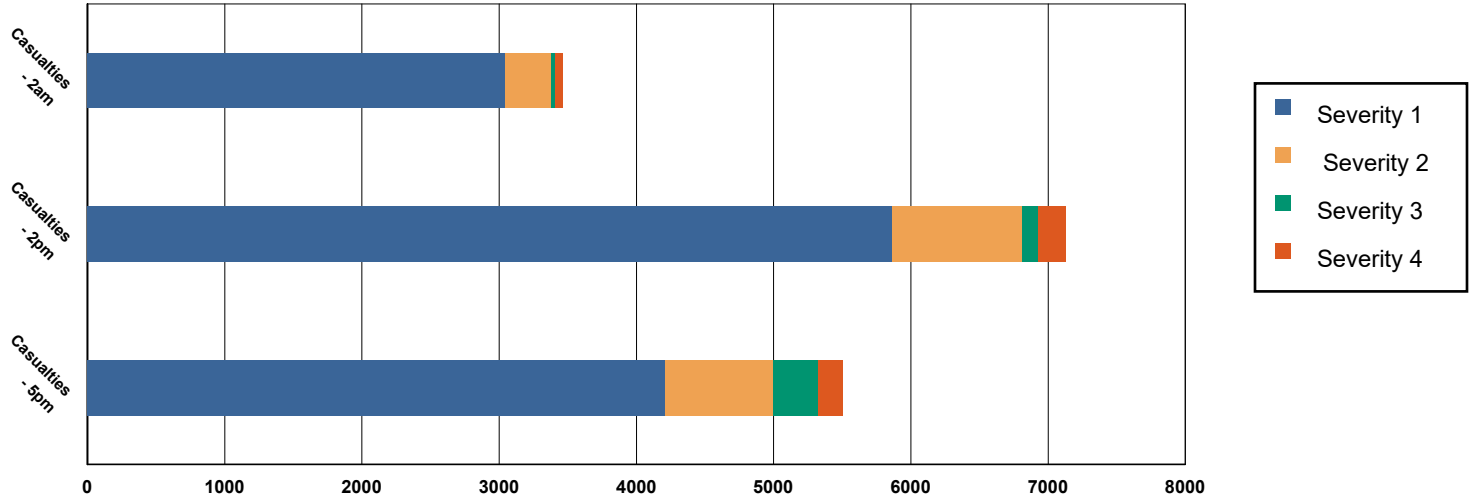
	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<i>Other Residential</i>	7,018	3	0	0	0	7,021
<i>Government</i>	591	0	0	0	0	591
<i>Education</i>	54	0	0	0	0	54
<i>Agriculture</i>	92	0	0	0	0	92
<i>Religion</i>	98	0	0	0	0	98
<i>Commercial</i>	1,198	1	0	0	0	1,199
<i>Industrial</i>	404	0	0	0	0	404
<i>Single Family</i>	18,867	0	0	0	0	18,867
<b>Total</b>	<b>4,459,933</b>	<b>649,823</b>	<b>105,644</b>	<b>13,153</b>	<b>1,972</b>	<b>5,230,525</b>
<b>Region Total</b>	<b>4,459,933</b>	<b>649,823</b>	<b>105,644</b>	<b>13,153</b>	<b>1,972</b>	<b>5,230,525</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

May 20, 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	359	16	0	0	374
Hotels	0	0	0	0	1
Commuting	0	0	1	0	1
Educational	0	0	0	0	0
Industrial	23	4	0	1	29
Commercial	24	4	0	1	30
Other-Residential	659	104	11	21	794
<b>Total Casualties - 2am</b>	<b>1,066</b>	<b>128</b>	<b>12</b>	<b>23</b>	<b>1,229</b>

##### Casualties - 2pm

Industrial	171	30	3	7	211
Educational	320	51	5	10	385
Other-Residential	209	33	4	7	252
Single Family	97	4	0	0	102
Hotels	0	0	0	0	0
Commuting	2	3	5	1	10
Commercial	1,649	288	32	62	2,031

## Injury Severity Level

Severity 1      Severity 2      Severity 3      Severity 4      Total

### California

#### Alameda

	Severity 1	Severity 2	Severity 3	Severity 4	Total
<b>Total Casualties - 2pm</b>	<b>2,448</b>	<b>410</b>	<b>49</b>	<b>86</b>	<b>2,992</b>
<b>Casualties - 5pm</b>					
<i>Commuting</i>	40	52	89	17	197
<i>Single Family</i>	131	6	0	0	137
<i>Commercial</i>	1,176	205	23	43	1,446
<i>Hotels</i>	0	0	0	0	0
<i>Educational</i>	45	7	1	1	53
<i>Industrial</i>	107	19	2	4	132
<i>Other-Residential</i>	253	41	4	8	307
<b>Total Casualties - 5pm</b>	<b>1,751</b>	<b>329</b>	<b>119</b>	<b>74</b>	<b>2,272</b>

#### Alpine

	Severity 1	Severity 2	Severity 3	Severity 4	Total
<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>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 - 2am</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

	Severity 1	Severity 2	Severity 3	Severity 4	Total
<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>

	Severity 1	Severity 2	Severity 3	Severity 4	Total
<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>

#### Amador

	Severity 1	Severity 2	Severity 3	Severity 4	Total
<b>Casualties - 2am</b>					
<i>Commercial</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>					
Other-Residential	0	0	0	0	0
Commuting	0	0	0	0	0
Educational	0	0	0	0	0
Single Family	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
Hotels	0	0	0	0	0
Educational	0	0	0	0	0
Commuting	0	0	0	0	0
Commercial	0	0	0	0	0
Other-Residential	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>					
Commercial	0	0	0	0	0
Commuting	0	0	0	0	0
Other-Residential	0	0	0	0	0
Single Family	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 - 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
Commercial	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 - 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
Educational	0	0	0	0	0
Commuting	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
Commercial	0	0	0	0	0
Commuting	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
Commuting	0	0	0	0	0
Commercial	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
Educational	0	0	0	0	0
Commuting	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>Educational</i>	0	0	0	0	0
<i>Commuting</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>Hotels</i>	0	0	0	0	0
<i>Single Family</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>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>	6	1	0	0	7
<i>Other-Residential</i>	133	14	1	2	150
<i>Single Family</i>	235	10	0	0	245
<i>Commercial</i>	7	1	0	0	8
<i>Commuting</i>	0	0	0	0	1
<b>Total Casualties - 2am</b>	<b>381</b>	<b>27</b>	<b>1</b>	<b>2</b>	<b>412</b>
<b>Casualties - 2pm</b>					
<i>Other-Residential</i>	44	5	0	1	49
<i>Industrial</i>	45	7	1	1	53
<i>Hotels</i>	0	0	0	0	0
<i>Single Family</i>	69	3	0	0	72

## Injury Severity Level

	Severity 1	Severity 2	Severity 3	Severity 4	Total
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### California

#### Contra Costa

##### Casualties - 2pm

<i>Educational</i>	108	14	1	2	126
<i>Commuting</i>	1	2	3	1	6
<i>Commercial</i>	478	77	8	15	578
<b>Total Casualties - 2pm</b>	<b>744</b>	<b>107</b>	<b>13</b>	<b>20</b>	<b>884</b>

##### Casualties - 5pm

<i>Educational</i>	13	2	0	0	15
<i>Commuting</i>	22	34	52	10	119
<i>Single Family</i>	86	4	0	0	90
<i>Hotels</i>	0	0	0	0	0
<i>Industrial</i>	28	4	0	1	33
<i>Other-Residential</i>	50	5	0	1	56
<i>Commercial</i>	331	52	5	10	398
<b>Total Casualties - 5pm</b>	<b>529</b>	<b>101</b>	<b>58</b>	<b>22</b>	<b>711</b>

#### El Dorado

##### Casualties - 2am

<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>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>

##### Casualties - 2pm

<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>Educational</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 - 2pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

##### Casualties - 5pm

<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>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

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>El Dorado</b>					
<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>Other-Residential</i>	1	0	0	0	1
<i>Single Family</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
<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>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>2</b>
<b>Casualties - 5pm</b>					
<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
<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>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>Commercial</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

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

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Mariposa</b>					
<b>Casualties - 2am</b>					
<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>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 - 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>Educational</i>	0	0	0	0	0
<i>Commuting</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>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>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
<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>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>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>Mendocino</b>					
<b>Casualties - 5pm</b>					
<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
<i>Commuting</i>	0	0	0	0	0
<i>Commercial</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 - 5pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Merced</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>Single Family</i>	2	0	0	0	2
<i>Other-Residential</i>	1	0	0	0	1
<i>Educational</i>	0	0	0	0	0
<i>Commuting</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>Other-Residential</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<i>Commercial</i>	10	1	0	0	11
<i>Commuting</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Educational</i>	1	0	0	0	1
<i>Single Family</i>	1	0	0	0	1
<b>Total Casualties - 2pm</b>	<b>12</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>13</b>
<b>Casualties - 5pm</b>					
<i>Industrial</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>Single Family</i>	1	0	0	0	1
<i>Commercial</i>	8	1	0	0	9
<i>Other-Residential</i>	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>9</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>10</b>
<b>Monterey</b>					
<b>Casualties - 2am</b>					
<i>Other-Residential</i>	30	2	0	0	32
<i>Commuting</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	1

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Monterey</b>					
<b>Casualties - 2am</b>					
Single Family	26	0	0	0	26
Hotels	0	0	0	0	0
Educational	0	0	0	0	0
Industrial	1	0	0	0	1
<b>Total Casualties - 2am</b>	<b>57</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>60</b>
<b>Casualties - 2pm</b>					
Commuting	0	0	0	0	0
Commercial	37	4	0	0	41
Single Family	7	0	0	0	7
Hotels	0	0	0	0	0
Educational	10	1	0	0	11
Industrial	4	0	0	0	5
Other-Residential	9	1	0	0	9
<b>Total Casualties - 2pm</b>	<b>68</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>74</b>
<b>Casualties - 5pm</b>					
Commercial	28	3	0	0	31
Other-Residential	11	1	0	0	12
Industrial	3	0	0	0	3
Hotels	0	0	0	0	0
Educational	2	0	0	0	2
Commuting	1	2	3	1	6
Single Family	9	0	0	0	9
<b>Total Casualties - 5pm</b>	<b>54</b>	<b>6</b>	<b>3</b>	<b>1</b>	<b>64</b>
<b>Napa</b>					
<b>Casualties - 2am</b>					
Commercial	0	0	0	0	0
Other-Residential	1	0	0	0	1
Educational	0	0	0	0	0
Single Family	1	0	0	0	1
Commuting	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>					
Educational	1	0	0	0	1
Hotels	0	0	0	0	0
Commuting	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
Commercial	2	0	0	0	2

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Napa</b>					
<b>Total Casualties - 2pm</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>
<b>Casualties - 5pm</b>					
<i>Commercial</i>	1	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>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 - 5pm</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>
<b>Nevada</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>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
<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>Hotels</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
<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>Placer</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>Placer</b>					
<b>Casualties - 2am</b>					
<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>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>Single Family</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
<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>Hotels</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Commercial</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>Sacramento</b>					
<b>Casualties - 2am</b>					
<i>Industrial</i>	0	0	0	0	0
<i>Other-Residential</i>	2	0	0	0	2
<i>Commercial</i>	0	0	0	0	0
<i>Single Family</i>	2	0	0	0	2
<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 - 2am</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>
<b>Casualties - 2pm</b>					
<i>Other-Residential</i>	1	0	0	0	1
<i>Commuting</i>	0	0	0	0	0
<i>Single Family</i>	0	0	0	0	0
<i>Commercial</i>	6	0	0	0	6
<i>Hotels</i>	0	0	0	0	0

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Sacramento</b>					
<b>Casualties - 2pm</b>					
<i>Educational</i>	0	0	0	0	0
<i>Industrial</i>	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>
<b>Casualties - 5pm</b>					
<i>Industrial</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>	3	0	0	0	3
<i>Commuting</i>	0	0	0	0	0
<i>Other-Residential</i>	1	0	0	0	1
<i>Single Family</i>	1	0	0	0	1
<b>Total Casualties - 5pm</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5</b>
<b>San Benito</b>					
<b>Casualties - 2am</b>					
<i>Other-Residential</i>	21	4	0	1	26
<i>Commercial</i>	1	0	0	0	2
<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>Single Family</i>	34	2	0	0	36
<i>Industrial</i>	1	0	0	0	2
<b>Total Casualties - 2am</b>	<b>57</b>	<b>7</b>	<b>1</b>	<b>1</b>	<b>66</b>
<b>Casualties - 2pm</b>					
<i>Hotels</i>	0	0	0	0	0
<i>Educational</i>	102	31	5	10	149
<i>Industrial</i>	9	2	0	1	12
<i>Other-Residential</i>	6	1	0	0	7
<i>Commercial</i>	106	30	5	9	150
<i>Commuting</i>	0	0	0	0	1
<i>Single Family</i>	10	1	0	0	11
<b>Total Casualties - 2pm</b>	<b>234</b>	<b>65</b>	<b>11</b>	<b>20</b>	<b>330</b>
<b>Casualties - 5pm</b>					
<i>Commuting</i>	3	4	6	1	14
<i>Commercial</i>	80	23	4	7	113
<i>Other-Residential</i>	8	2	0	0	9
<i>Single Family</i>	13	1	0	0	14
<i>Industrial</i>	6	1	0	0	8
<i>Educational</i>	14	4	1	1	21
<i>Hotels</i>	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>123</b>	<b>35</b>	<b>11</b>	<b>10</b>	<b>179</b>

## Injury Severity Level

Severity 1      Severity 2      Severity 3      Severity 4      Total

### California

#### San Francisco

##### Casualties - 2am

<i>Industrial</i>	2	0	0	0	2
<i>Hotels</i>	1	0	0	0	1
<i>Commercial</i>	5	1	0	0	6
<i>Other-Residential</i>	189	17	0	1	207
<i>Commuting</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Single Family</i>	33	2	0	0	35
<b>Total Casualties - 2am</b>	<b>231</b>	<b>20</b>	<b>0</b>	<b>1</b>	<b>252</b>

##### Casualties - 2pm

<i>Commercial</i>	283	27	1	1	312
<i>Industrial</i>	16	2	0	0	18
<i>Other-Residential</i>	61	6	0	0	67
<i>Single Family</i>	10	1	0	0	11
<i>Hotels</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Educational</i>	36	3	0	0	39
<b>Total Casualties - 2pm</b>	<b>407</b>	<b>38</b>	<b>1</b>	<b>1</b>	<b>447</b>

##### Casualties - 5pm

<i>Educational</i>	13	1	0	0	14
<i>Hotels</i>	0	0	0	0	0
<i>Industrial</i>	10	1	0	0	11
<i>Commuting</i>	0	0	0	0	1
<i>Commercial</i>	163	16	0	1	179
<i>Other-Residential</i>	74	7	0	0	82
<i>Single Family</i>	13	1	0	0	13
<b>Total Casualties - 5pm</b>	<b>273</b>	<b>26</b>	<b>1</b>	<b>1</b>	<b>301</b>

#### San Joaquin

##### Casualties - 2am

<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>Commercial</i>	0	0	0	0	0
<i>Single Family</i>	24	1	0	0	25
<i>Industrial</i>	0	0	0	0	0
<i>Other-Residential</i>	6	0	0	0	7
<b>Total Casualties - 2am</b>	<b>31</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>33</b>

##### Casualties - 2pm

<i>Industrial</i>	2	0	0	0	2
<i>Other-Residential</i>	2	0	0	0	2
<i>Educational</i>	2	0	0	0	2
<i>Single Family</i>	8	0	0	0	8

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>San Joaquin</b>					
<b>Casualties - 2pm</b>					
<i>Hotels</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Commercial</i>	11	1	0	0	12
<b>Total Casualties - 2pm</b>	<b>26</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>27</b>
<b>Casualties - 5pm</b>					
<i>Commuting</i>	0	0	0	0	0
<i>Single Family</i>	9	0	0	0	10
<i>Educational</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Industrial</i>	1	0	0	0	2
<i>Commercial</i>	7	0	0	0	8
<i>Other-Residential</i>	2	0	0	0	3
<b>Total Casualties - 5pm</b>	<b>21</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>22</b>
<b>San Luis Obispo</b>					
<b>Casualties - 2am</b>					
<i>Commercial</i>	0	0	0	0	0
<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>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>Single Family</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Commuting</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 - 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>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

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>San Luis Obispo</b>					
<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>	1	0	0	0	1
<i>Other-Residential</i>	27	2	0	0	29
<i>Single Family</i>	26	0	0	0	27
<i>Commercial</i>	1	0	0	0	1
<i>Educational</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>56</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>58</b>
<b>Casualties - 2pm</b>					
<i>Other-Residential</i>	8	0	0	0	9
<i>Single Family</i>	7	0	0	0	7
<i>Commuting</i>	0	0	0	0	0
<i>Commercial</i>	53	4	0	0	57
<i>Educational</i>	7	0	0	0	8
<i>Hotels</i>	0	0	0	0	0
<i>Industrial</i>	7	1	0	0	8
<b>Total Casualties - 2pm</b>	<b>83</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>89</b>
<b>Casualties - 5pm</b>					
<i>Commercial</i>	34	2	0	0	37
<i>Industrial</i>	5	0	0	0	5
<i>Other-Residential</i>	10	1	0	0	11
<i>Single Family</i>	9	0	0	0	10
<i>Educational</i>	1	0	0	0	1
<i>Commuting</i>	2	2	4	1	8
<i>Hotels</i>	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>61</b>	<b>6</b>	<b>4</b>	<b>1</b>	<b>71</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
<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

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Santa Barbara</b>					
<b>Casualties - 2pm</b>					
Single Family	0	0	0	0	0
Other-Residential	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 - 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>					
Commuting	0	0	1	0	1
Educational	0	0	0	0	0
Single Family	461	25	1	1	488
Hotels	1	0	0	0	1
Industrial	24	4	0	1	30
Commercial	15	3	0	1	19
Other-Residential	597	108	13	25	743
<b>Total Casualties - 2am</b>	<b>1,099</b>	<b>141</b>	<b>15</b>	<b>28</b>	<b>1,282</b>
<b>Casualties - 2pm</b>					
Industrial	179	31	4	7	220
Commercial	1,036	204	26	50	1,316
Single Family	123	7	0	0	131
Commuting	2	3	5	1	11
Hotels	0	0	0	0	0
Other-Residential	188	36	5	9	238
Educational	215	31	3	6	255
<b>Total Casualties - 2pm</b>	<b>1,744</b>	<b>312</b>	<b>42</b>	<b>73</b>	<b>2,171</b>
<b>Casualties - 5pm</b>					
Industrial	112	19	2	4	138
Hotels	0	0	0	0	0
Other-Residential	227	42	5	10	284
Commercial	741	146	19	36	941
Commuting	46	59	102	20	226

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Santa Clara</b>					
<b>Casualties - 5pm</b>					
Single Family	169	10	0	1	180
Educational	26	3	0	0	29
<b>Total Casualties - 5pm</b>	<b>1,321</b>	<b>279</b>	<b>128</b>	<b>70</b>	<b>1,798</b>
<b>Santa Cruz</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	13	1	0	0	14
Single Family	10	0	0	0	10
Commercial	0	0	0	0	0
Commuting	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>24</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>25</b>
<b>Casualties - 2pm</b>					
Industrial	3	0	0	0	3
Other-Residential	4	0	0	0	4
Commercial	21	2	0	0	23
Commuting	0	0	0	0	0
Educational	5	0	0	0	6
Single Family	3	0	0	0	3
Hotels	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>36</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>39</b>
<b>Casualties - 5pm</b>					
Industrial	2	0	0	0	2
Other-Residential	5	0	0	0	5
Commercial	15	1	0	0	16
Commuting	0	0	0	0	1
Single Family	4	0	0	0	4
Hotels	0	0	0	0	0
Educational	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>26</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>28</b>
<b>Solano</b>					
<b>Casualties - 2am</b>					
Industrial	0	0	0	0	0
Other-Residential	7	0	0	0	7
Commercial	0	0	0	0	0
Educational	0	0	0	0	0
Commuting	0	0	0	0	0
Single Family	13	0	0	0	13
Hotels	0	0	0	0	0

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Solano</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>					
Single Family	3	0	0	0	4
Other-Residential	2	0	0	0	2
Commercial	13	1	0	0	14
Educational	3	0	0	0	3
Commuting	0	0	0	0	0
Hotels	0	0	0	0	0
Industrial	3	0	0	0	3
<b>Total Casualties - 2pm</b>	<b>24</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>26</b>
<b>Casualties - 5pm</b>					
Commercial	10	1	0	0	10
Other-Residential	3	0	0	0	3
Single Family	5	0	0	0	5
Educational	0	0	0	0	0
Commuting	0	0	1	0	2
Hotels	0	0	0	0	0
Industrial	2	0	0	0	2
<b>Total Casualties - 5pm</b>	<b>19</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>22</b>
<b>Sonoma</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
Hotels	0	0	0	0	0
Educational	0	0	0	0	0
Industrial	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>
<b>Casualties - 2pm</b>					
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
Other-Residential	0	0	0	0	0
Commercial	1	0	0	0	2
<b>Total Casualties - 2pm</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>
<b>Casualties - 5pm</b>					
Single Family	0	0	0	0	0
Commercial	1	0	0	0	1

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Sonoma</b>					
<b>Casualties - 5pm</b>					
<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 - 5pm</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>
<b>Stanislaus</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>Single Family</i>	4	0	0	0	4
<i>Other-Residential</i>	3	0	0	0	3
<i>Commuting</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>
<b>Casualties - 2pm</b>					
<i>Industrial</i>	1	0	0	0	1
<i>Other-Residential</i>	1	0	0	0	1
<i>Commercial</i>	6	0	0	0	6
<i>Commuting</i>	0	0	0	0	0
<i>Educational</i>	2	0	0	0	2
<i>Single Family</i>	1	0	0	0	1
<i>Hotels</i>	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12</b>
<b>Casualties - 5pm</b>					
<i>Industrial</i>	1	0	0	0	1
<i>Other-Residential</i>	1	0	0	0	1
<i>Commuting</i>	0	0	0	0	0
<i>Single Family</i>	2	0	0	0	2
<i>Commercial</i>	4	0	0	0	5
<i>Hotels</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>
<b>Sutter</b>					
<b>Casualties - 2am</b>					
<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
<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>Sutter</b>					
<b>Casualties - 2am</b>					
Single Family	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
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
<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
Commercial	0	0	0	0	0
Educational	0	0	0	0	0
Single Family	0	0	0	0	0
Hotels	0	0	0	0	0
Industrial	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>Tulare</b>					
<b>Casualties - 2am</b>					
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
Hotels	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>					
Industrial	0	0	0	0	0
Hotels	0	0	0	0	0
Commercial	0	0	0	0	0
Other-Residential	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 - 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>Tulare</b>					
<b>Casualties - 5pm</b>					
Other-Residential	0	0	0	0	0
Commercial	0	0	0	0	0
Single Family	0	0	0	0	0
Hotels	0	0	0	0	0
Commuting	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>Tuolumne</b>					
<b>Casualties - 2am</b>					
Other-Residential	0	0	0	0	0
Industrial	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
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>					
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
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
Commuting	0	0	0	0	0
Educational	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	0	0	0	0	0
Other-Residential	0	0	0	0	0
Commercial	0	0	0	0	0

## Injury Severity Level

	Severity 1	Severity 2	Severity 3	Severity 4	Total
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California

**Yolo**
**Casualties - 2am**

<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 - 2am</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>

**Casualties - 2pm**

<i>Industrial</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>Commercial</i>	1	0	0	0	1
<i>Other-Residential</i>	0	0	0	0	0
<i>Single Family</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>

**Casualties - 5pm**

<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
<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>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>

**Yuba**
**Casualties - 2am**

<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>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
<b>Total Casualties - 2am</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**Casualties - 2pm**

<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>Hotels</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>Yuba</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>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>Commercial</i>	0	0	0	0	0
<i>Commuting</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>	NA	NA	NA	NA	NA

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

May 20, 2024

All values are in thousands of tons.

	Brick, Wood & Others	Concrete & Steel	Total
<b>California</b>			
Fresno	2	1	3
Butte	0	0	0
Alameda	839	1,574	2,413
Solano	20	26	46
San Mateo	42	51	93
Tuolumne	0	0	0
Kings	0	0	0
San Joaquin	40	17	57
San Luis Obispo	0	0	0
Nevada	0	0	0
Madera	0	0	1
Tulare	0	0	0
Colusa	0	0	0
Napa	3	3	7
Mendocino	0	0	0
Contra Costa	304	439	743
El Dorado	0	0	0
Kern	0	0	0
Amador	0	0	0

	Brick, Wood & Others	Concrete & Steel	Total
Santa Cruz	25	34	58
Lake	0	0	0
Monterey	44	69	113
Sacramento	5	3	8
Mariposa	0	0	0
Yolo	1	1	2
Calaveras	0	0	0
Yuba	0	0	0
Glenn	0	0	0
Alpine	0	0	0
Stanislaus	10	10	20
Sonoma	3	2	5
Santa Barbara	0	0	0
Santa Clara	672	1,118	1,790
San Benito	53	116	170
San Francisco	329	184	513
Merced	6	9	15
Placer	0	0	0
Marin	5	4	9
Sutter	0	0	0
<b>Total</b>	<b>2,403</b>	<b>3,662</b>	<b>6,066</b>
<b>Region Total</b>	<b>2,403</b>	<b>3,662</b>	<b>6,066</b>

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**Brick, Wood & Others**

**Concrete & Steel**

**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.*

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## Direct Economic Losses For Buildings

May 20, 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>										
Contra Costa	847,262	4,936,251	2,145,667	131,106	2.65	336,950	175,623	227,684	186,084	8,986,628
Mendocino	0	12	8	1	0.00	0	0	0	0	21
Napa	6,478	59,189	31,298	3,481	0.20	1,297	1,067	1,303	1,316	105,431
Colusa	13	214	138	26	0.01	2	5	5	4	409
Alameda	1,995,020	9,325,524	4,176,986	293,581	3.40	871,146	504,366	680,589	508,282	18,355,493
Nevada	0	1	1	0	0.00	0	0	0	0	2
San Joaquin	47,322	340,632	183,769	22,102	0.28	12,225	5,774	7,069	7,913	626,806
Tuolumne	0	43	30	3	0.00	0	0	0	0	75
Tulare	52	1,874	1,261	289	0.00	4	6	8	9	3,504

	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>Madera</b>	711	7,134	3,982	853	0.03	81	52	61	98	12,972
<b>Butte</b>	12	152	105	18	0.00	1	1	1	2	292
<b>Fresno</b>	3,243	36,353	20,963	4,363	0.02	492	495	551	607	67,066
<b>Kings</b>	251	3,677	1,934	245	0.02	36	54	65	53	6,316
<b>San Luis Obispo</b>	200	3,261	1,664	167	0.01	30	53	48	57	5,479
<b>Solano</b>	43,935	314,371	155,332	14,946	0.44	11,115	8,741	10,994	8,747	568,181
<b>San Mateo</b>	114,043	841,018	405,331	28,998	0.61	28,688	21,484	26,269	28,432	1,494,263
<b>Yolo</b>	1,945	32,623	20,157	2,105	0.08	249	303	362	390	58,135
<b>Glenn</b>	5	85	60	15	0.00	0	1	1	1	168
<b>San Benito</b>	141,034	712,887	311,558	27,910	6.45	58,206	32,637	38,937	23,448	1,346,618
<b>San Francisco</b>	357,995	925,023	438,758	24,425	0.83	164,585	102,499	120,875	154,297	2,288,458
<b>Stanislaus</b>	19,284	162,506	88,306	12,148	0.18	3,961	2,444	2,836	3,617	295,102
<b>Sutter</b>	46	685	435	114	0.00	4	2	3	4	1,293
<b>Santa Clara</b>	1,779,800	9,348,972	4,271,988	324,037	2.92	622,528	425,061	489,288	387,262	17,648,936
<b>Sonoma</b>	4,449	45,644	25,100	3,408	0.05	819	928	1,038	824	82,209
<b>Calaveras</b>	14	221	157	48	0.00	1	3	3	2	450
<b>Yuba</b>	9	303	189	23	0.00	1	2	2	3	531
<b>Alpine</b>	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>Merced</b>	22,920	74,274	45,602	17,308	0.19	3,126	1,425	1,239	1,127	167,020
<b>Santa Barbara</b>	8	403	255	37	0.00	1	1	2	2	709
<b>Placer</b>	90	2,403	1,385	130	0.00	8	13	14	19	4,062
<b>Marin</b>	10,134	105,392	55,369	3,840	0.18	1,863	2,118	2,286	2,208	183,210
<b>Kern</b>	14	428	277	70	0.00	1	1	2	2	796
<b>El Dorado</b>	0	104	76	4	0.00	0	0	0	0	185
<b>Lake</b>	6	193	102	9	0.00	0	1	1	1	314
<b>Santa Cruz</b>	58,231	294,607	146,186	22,825	0.64	15,579	12,356	14,998	10,701	575,483
<b>Mariposa</b>	0	11	7	1	0.00	0	0	0	0	19
<b>Amador</b>	2	103	68	8	0.00	0	1	1	1	182
<b>Sacramento</b>	6,828	86,431	47,709	4,232	0.04	1,635	2,025	2,375	2,001	153,235
<b>Monterey</b>	99,706	541,610	274,192	47,902	0.84	33,312	17,979	20,596	21,876	1,057,173
<b>Total</b>	<b>5,561,061</b>	<b>28,204,615</b>	<b>12,856,408</b>	<b>990,779</b>	<b>0.51</b>	<b>2,167,947</b>	<b>1,317,522</b>	<b>1,649,501</b>	<b>1,349,394</b>	<b>54,097,226</b>
<b>Region Total</b>	<b>5,561,061</b>	<b>28,204,615</b>	<b>12,856,408</b>	<b>990,779</b>	<b>0.51</b>	<b>2,167,947</b>	<b>1,317,522</b>	<b>1,649,501</b>	<b>1,349,394</b>	<b>54,097,226</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

May 20, 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	206,782	32,928	196					239,906
Tunnels	3,536	0	0					3,536
Facilities		8,468	0	434	28,851	642	72,125	110,519
<b>Total</b>	<b>210,318</b>	<b>41,396</b>	<b>196</b>	<b>434</b>	<b>28,851</b>	<b>642</b>	<b>72,125</b>	<b>353,962</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	1	0	0					1
Tunnels	0	0	0					0
Facilities		3	0	0	0	0	26	28
<b>Total</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>26</b>	<b>29</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	11	0	0					11
Tunnels	0	0	0					0
Facilities		0	0	0	0	0	51	51
<b>Total</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>51</b>	<b>62</b>
<b>Contra Costa</b>								
Segments	0	0	0					0
Bridges	113,850	8,204	93					122,147
Tunnels	1,530	92	0					1,622
Facilities		3,057	2,321	0	35,537	639	3,862	45,415

	Highway	Railway	Light Rail	Bus Facility	Ports	Ferries	Airport	Total
<b>Total</b>	<b>115,379</b>	<b>11,353</b>	<b>2,414</b>	<b>0</b>	<b>35,537</b>	<b>639</b>	<b>3,862</b>	<b>169,183</b>
<b>El Dorado</b>								
Segments	0	0	0					0
Bridges	0	0	0					0
Tunnels	0	0	0					0
Facilities		0	0	26	0	0	191	217
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>26</b>	<b>0</b>	<b>0</b>	<b>191</b>	<b>217</b>
<b>Fresno</b>								
Segments	0	0	0					0
Bridges	852	4	0					856
Tunnels	0	0	0					0
Facilities		314	0	21	0	0	1,639	1,974
<b>Total</b>	<b>852</b>	<b>319</b>	<b>0</b>	<b>21</b>	<b>0</b>	<b>0</b>	<b>1,639</b>	<b>2,830</b>
<b>Glenn</b>								
Segments	0	0	0					0
Bridges	0	0	0					0
Tunnels	0	0	0					0
Facilities		0	0	0	37	0	57	93
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>37</b>	<b>0</b>	<b>57</b>	<b>94</b>
<b>Kern</b>								
Segments	0	0	0					0
Bridges	2	0	0					2
Tunnels	0	0	0					0
Facilities		66	0	44	0	0	222	332

	Highway	Railway	Light Rail	Bus Facility	Ports	Ferries	Airport	Total
<b>Total</b>	<b>2</b>	<b>66</b>	<b>0</b>	<b>44</b>	<b>0</b>	<b>0</b>	<b>222</b>	<b>334</b>
<b>Kings</b>								
Segments	0	0	0					0
Bridges	12	0	0					12
Tunnels	0	0	0					0
Facilities		128	0	41	0	0	526	695
<b>Total</b>	<b>12</b>	<b>128</b>	<b>0</b>	<b>41</b>	<b>0</b>	<b>0</b>	<b>526</b>	<b>707</b>
<b>Lake</b>								
Segments	0	0	0					0
Bridges	0	0	0					0
Tunnels	0	0	0					0
Facilities		0	0	0	0	0	57	57
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>57</b>	<b>57</b>
<b>Madera</b>								
Segments	0	0	0					0
Bridges	40	0	0					40
Tunnels	0	0	0					0
Facilities		26	0	21	0	0	102	149
<b>Total</b>	<b>40</b>	<b>26</b>	<b>0</b>	<b>21</b>	<b>0</b>	<b>0</b>	<b>102</b>	<b>189</b>
<b>Marin</b>								
Segments	0	0	0					0
Bridges	2,767	6	0					2,772
Tunnels	49	0	0					49
Facilities		0	0	720	6,527	502	400	8,149

	Highway	Railway	Light Rail	Bus Facility	Ports	Ferries	Airport	Total
<b>Total</b>	<b>2,816</b>	<b>6</b>	<b>0</b>	<b>720</b>	<b>6,527</b>	<b>502</b>	<b>400</b>	<b>10,971</b>
<b>Mariposa</b>								
Segments	0	0	0					0
Bridges	0	0	0					0
Tunnels	0	0	0					0
Facilities		0	0	10	0	0	51	61
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>51</b>	<b>61</b>
<b>Mendocino</b>								
Segments	0	0	0					0
Bridges	0	0	0					0
Tunnels	0	0	0					0
Facilities		0	0	48	4	0	119	171
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>48</b>	<b>4</b>	<b>0</b>	<b>119</b>	<b>171</b>
<b>Merced</b>								
Segments	0	0	0					0
Bridges	1,397	25	0					1,421
Tunnels	0	0	0					0
Facilities		135	0	91	0	0	2,113	2,339
<b>Total</b>	<b>1,397</b>	<b>160</b>	<b>0</b>	<b>91</b>	<b>0</b>	<b>0</b>	<b>2,113</b>	<b>3,760</b>
<b>Monterey</b>								
Segments	0	0	0					0
Bridges	6,167	502	0					6,669
Tunnels	1	0	0					1
Facilities		394	0	1,947	469	0	5,184	7,994

	Highway	Railway	Light Rail	Bus Facility	Ports	Ferries	Airport	Total
<b>Total</b>	<b>6,168</b>	<b>896</b>	<b>0</b>	<b>1,947</b>	<b>469</b>	<b>0</b>	<b>5,184</b>	<b>14,664</b>
<b>Napa</b>								
Segments	0	0	0					0
Bridges	94	82	0					177
Tunnels	0	0	0					0
Facilities		0	0	171	997	0	1,225	2,393
<b>Total</b>	<b>94</b>	<b>82</b>	<b>0</b>	<b>171</b>	<b>997</b>	<b>0</b>	<b>1,225</b>	<b>2,570</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	11	14
<b>Total</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>14</b>
<b>Placer</b>								
Segments	0	0	0					0
Bridges	2	0	0					2
Tunnels	0	0	0					0
Facilities		80	0	2	0	0	159	241
<b>Total</b>	<b>2</b>	<b>80</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>159</b>	<b>243</b>
<b>Sacramento</b>								
Segments	0	0	0					0
Bridges	725	1	0					726
Tunnels	0	0	0					0
Facilities		109	8,222	181	5,841	100	4,783	19,238

	Highway	Railway	Light Rail	Bus Facility	Ports	Ferries	Airport	Total
<b>Total</b>	<b>725</b>	<b>110</b>	<b>8,222</b>	<b>181</b>	<b>5,841</b>	<b>100</b>	<b>4,783</b>	<b>19,964</b>
<b>San Benito</b>								
<i>Segments</i>	0	0	0					0
<i>Bridges</i>	14,740	5,064	0					19,804
<i>Tunnels</i>	0	0	0					0
<i>Facilities</i>		0	0	0	0	0	4,414	4,414
<b>Total</b>	<b>14,740</b>	<b>5,064</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,414</b>	<b>24,218</b>
<b>San Francisco</b>								
<i>Segments</i>	0	0	0					0
<i>Bridges</i>	29,586	66	0					29,652
<i>Tunnels</i>	283	0	0					283
<i>Facilities</i>		0	314,930	559	24,762	542	2,886	343,679
<b>Total</b>	<b>29,869</b>	<b>66</b>	<b>314,930</b>	<b>559</b>	<b>24,762</b>	<b>542</b>	<b>2,886</b>	<b>373,614</b>
<b>San Joaquin</b>								
<i>Segments</i>	0	0	0					0
<i>Bridges</i>	2,902	112	0					3,015
<i>Tunnels</i>	0	0	0					0
<i>Facilities</i>		1,748	0	91	10,808	402	2,605	15,653
<b>Total</b>	<b>2,902</b>	<b>1,860</b>	<b>0</b>	<b>91</b>	<b>10,808</b>	<b>402</b>	<b>2,605</b>	<b>18,668</b>
<b>San Luis Obispo</b>								
<i>Segments</i>	0	0	0					0
<i>Bridges</i>	39	0	0					39
<i>Tunnels</i>	0	0	0					0
<i>Facilities</i>		77	0	41	294	0	784	1,196

	Highway	Railway	Light Rail	Bus Facility	Ports	Ferries	Airport	Total
<b>Total</b>	<b>39</b>	<b>77</b>	<b>0</b>	<b>41</b>	<b>294</b>	<b>0</b>	<b>784</b>	<b>1,235</b>
<b>San Mateo</b>								
<i>Segments</i>	0	0	0					0
<i>Bridges</i>	43,264	149	0					43,413
<i>Tunnels</i>	36	0	0					36
<i>Facilities</i>		0	0	0	8,026	0	100,818	108,844
<b>Total</b>	<b>43,300</b>	<b>149</b>	<b>0</b>	<b>0</b>	<b>8,026</b>	<b>0</b>	<b>100,818</b>	<b>152,293</b>
<b>Santa Barbara</b>								
<i>Segments</i>	0	0	0					0
<i>Bridges</i>	9	0	0					9
<i>Tunnels</i>	0	0	0					0
<i>Facilities</i>		37	0	46	29	0	91	202
<b>Total</b>	<b>9</b>	<b>37</b>	<b>0</b>	<b>46</b>	<b>29</b>	<b>0</b>	<b>91</b>	<b>211</b>
<b>Santa Clara</b>								
<i>Segments</i>	0	0	0					0
<i>Bridges</i>	221,923	14,066	41					236,030
<i>Tunnels</i>	176	0	0					176
<i>Facilities</i>		2,516	133,553	1,095	4,014	0	84,435	225,614
<b>Total</b>	<b>222,099</b>	<b>16,582</b>	<b>133,594</b>	<b>1,095</b>	<b>4,014</b>	<b>0</b>	<b>84,435</b>	<b>461,819</b>
<b>Santa Cruz</b>								
<i>Segments</i>	0	0	0					0
<i>Bridges</i>	1,028	137	0					1,166
<i>Tunnels</i>	0	0	0					0
<i>Facilities</i>		0	0	352	288	0	2,956	3,596

	Highway	Railway	Light Rail	Bus Facility	Ports	Ferries	Airport	Total
<b>Total</b>	<b>1,028</b>	<b>137</b>	<b>0</b>	<b>352</b>	<b>288</b>	<b>0</b>	<b>2,956</b>	<b>4,761</b>
<b>Solano</b>								
<i>Segments</i>	0	0	0					0
<i>Bridges</i>	5,153	1,052	0					6,206
<i>Tunnels</i>	0	0	0					0
<i>Facilities</i>		790	0	590	15,508	449	1,348	18,685
<b>Total</b>	<b>5,153</b>	<b>1,843</b>	<b>0</b>	<b>590</b>	<b>15,508</b>	<b>449</b>	<b>1,348</b>	<b>24,890</b>
<b>Sonoma</b>								
<i>Segments</i>	0	0	0					0
<i>Bridges</i>	497	95	0					592
<i>Tunnels</i>	0	0	0					0
<i>Facilities</i>		0	0	97	508	0	833	1,437
<b>Total</b>	<b>497</b>	<b>95</b>	<b>0</b>	<b>97</b>	<b>508</b>	<b>0</b>	<b>833</b>	<b>2,029</b>
<b>Stanislaus</b>								
<i>Segments</i>	0	0	0					0
<i>Bridges</i>	608	22	0					630
<i>Tunnels</i>	0	0	0					0
<i>Facilities</i>		655	0	183	0	0	999	1,837
<b>Total</b>	<b>608</b>	<b>677</b>	<b>0</b>	<b>183</b>	<b>0</b>	<b>0</b>	<b>999</b>	<b>2,467</b>
<b>Sutter</b>								
<i>Segments</i>	0	0	0					0
<i>Bridges</i>	24	0	0					24
<i>Tunnels</i>	0	0	0					0
<i>Facilities</i>		0	0	0	0	0	129	129

	Highway	Railway	Light Rail	Bus Facility	Ports	Ferries	Airport	Total
<b>Total</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>129</b>	<b>152</b>
<b>Tulare</b>								
Segments	0	0	0					0
Bridges	19	0	0					19
Tunnels	0	0	0					0
Facilities		0	0	83	0	0	255	338
<b>Total</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>83</b>	<b>0</b>	<b>0</b>	<b>255</b>	<b>357</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	1,820	3	0					1,822
Tunnels	0	0	0					0
Facilities		546	0	0	2,658	0	652	3,857
<b>Total</b>	<b>1,820</b>	<b>549</b>	<b>0</b>	<b>0</b>	<b>2,658</b>	<b>0</b>	<b>652</b>	<b>5,679</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

	Highway	Railway	Light Rail	Bus Facility	Ports	Ferries	Airport	Total
<b>Total</b>	1	0	0	22	0	0	102	124
<b>Total</b>	659,926	81,763	459,357	6,914	145,157	3,276	296,521	1,652,913
<b>Region Total</b>	659,926	81,763	459,357	6,914	145,157	3,276	296,521	1,652,913

*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

May 20, 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>	17,741	347,533	0	0	709,703	856	1,075,833
<i>Pipelines</i>	14,121	7,093	0	0			21,214
<b>Total</b>	<b>31,862</b>	<b>354,626</b>	<b>0</b>	<b>0</b>	<b>709,703</b>	<b>856</b>	<b>1,097,047</b>
<b>Alpine</b>							
<i>Facilities</i>	0	3	0	0	0	0	3
<i>Pipelines</i>	2	1	0	0			2
<b>Total</b>	<b>2</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5</b>
<b>Amador</b>							
<i>Facilities</i>	0	3	0	0	7,382	0	7,384
<i>Pipelines</i>	23	12	0	0			35
<b>Total</b>	<b>23</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>7,382</b>	<b>0</b>	<b>7,419</b>
<b>Butte</b>							
<i>Facilities</i>	0	371	0	0	2,558	0	2,930

	Potable Water	Waste Water	Oil Systems	Natural Gas	Electric Power	Communication	Total
<i>Pipelines</i>	49	24	0	0			73
<b>Total</b>	49	396	0	0	2,558	0	3,003
<b>Calaveras</b>							
<i>Facilities</i>	28	492	0	0	25,137	0	25,657
<i>Pipelines</i>	51	26	0	0			77
<b>Total</b>	79	517	0	0	25,137	0	25,734
<b>Colusa</b>							
<i>Facilities</i>	0	369	0	75	6,525	0	6,969
<i>Pipelines</i>	32	16	0	0			48
<b>Total</b>	32	385	0	75	6,525	0	7,017
<b>Contra Costa</b>							
<i>Facilities</i>	34,298	139,944	93	0	1,778,507	308	1,953,151
<i>Pipelines</i>	10,490	5,270	0	0			15,760
<b>Total</b>	44,789	145,213	93	0	1,778,507	308	1,968,911
<b>El Dorado</b>							
<i>Facilities</i>	28	492	0	0	13,173	1	13,694
<i>Pipelines</i>	70	35	0	0			104
<b>Total</b>	98	527	0	0	13,173	1	13,798
<b>Fresno</b>							
<i>Facilities</i>	0	492	0	13	269,023	15	269,544
<i>Pipelines</i>	893	449	0	0			1,342

	Potable Water	Waste Water	Oil Systems	Natural Gas	Electric Power	Communication	Total
<b>Total</b>	893	941	0	13	269,023	15	270,886
<b>Glenn</b>							
<i>Facilities</i>	0	123	0	0	2	0	125
<i>Pipelines</i>	32	16	0	0			48
<b>Total</b>	32	139	0	0	2	0	173
<b>Kern</b>							
<i>Facilities</i>	2	8	0	75	24,203	1	24,289
<i>Pipelines</i>	215	108	0	0			323
<b>Total</b>	217	116	0	75	24,203	1	24,612
<b>Kings</b>							
<i>Facilities</i>	0	0	0	134	8,104	1	8,239
<i>Pipelines</i>	150	75	0	0			226
<b>Total</b>	150	75	0	134	8,104	1	8,465
<b>Lake</b>							
<i>Facilities</i>	56	0	0	0	5,226	1	5,283
<i>Pipelines</i>	56	28	0	0			84
<b>Total</b>	112	28	0	0	5,226	1	5,367
<b>Madera</b>							
<i>Facilities</i>	0	0	0	0	3,555	1	3,555
<i>Pipelines</i>	190	95	0	0			285
<b>Total</b>	190	95	0	0	3,555	1	3,840

	Potable Water	Waste Water	Oil Systems	Natural Gas	Electric Power	Communication	Total
<b>Marin</b>							
<i>Facilities</i>	348	35,319	0	0	2,093	48	37,809
<i>Pipelines</i>	183	92	0	0			274
<b>Total</b>	531	35,411	0	0	2,093	48	38,083
<b>Mariposa</b>							
<i>Facilities</i>	0	131	0	0	2,808	2	2,940
<i>Pipelines</i>	40	20	0	0			61
<b>Total</b>	40	151	0	0	2,808	2	3,001
<b>Mendocino</b>							
<i>Facilities</i>	0	136	0	0	5	0	141
<i>Pipelines</i>	76	38	0	0			115
<b>Total</b>	76	174	0	0	5	0	256
<b>Merced</b>							
<i>Facilities</i>	0	7,709	0	0	602,487	34	610,231
<i>Pipelines</i>	605	304	0	0			909
<b>Total</b>	605	8,013	0	0	602,487	34	611,139
<b>Monterey</b>							
<i>Facilities</i>	0	67,960	0	0	409,398	793	478,150
<i>Pipelines</i>	2,158	1,084	0	0			3,242
<b>Total</b>	2,158	69,044	0	0	409,398	793	481,393
<b>Napa</b>							

	Potable Water	Waste Water	Oil Systems	Natural Gas	Electric Power	Communication	Total
<i>Facilities</i>	0	11,878	0	0	4,314	10	16,202
<i>Pipelines</i>	101	51	0	0			151
<b>Total</b>	101	11,929	0	0	4,314	10	16,354
<b>Nevada</b>							
<i>Facilities</i>	0	18	0	0	44	0	62
<i>Pipelines</i>	28	14	0	0			42
<b>Total</b>	28	32	0	0	44	0	104
<b>Placer</b>							
<i>Facilities</i>	0	1,229	0	0	4,168	1	5,399
<i>Pipelines</i>	64	32	0	0			95
<b>Total</b>	64	1,261	0	0	4,168	1	5,494
<b>Sacramento</b>							
<i>Facilities</i>	0	11,039	0	0	44,623	61	55,723
<i>Pipelines</i>	397	199	0	0			596
<b>Total</b>	397	11,239	0	0	44,623	61	56,319
<b>San Benito</b>							
<i>Facilities</i>	0	71,639	0	0	0	198	71,837
<i>Pipelines</i>	5,636	2,831	0	0			8,467
<b>Total</b>	5,636	74,471	0	0	0	198	80,304
<b>San Francisco</b>							
<i>Facilities</i>	0	54,976	0	0	4,060	179	59,215

	Potable Water	Waste Water	Oil Systems	Natural Gas	Electric Power	Communication	Total
<i>Pipelines</i>	314	158	0	0			471
<b>Total</b>	314	55,134	0	0	4,060	179	59,687
<b>San Joaquin</b>							
<i>Facilities</i>	1,421	31,903	6	0	175,927	48	209,305
<i>Pipelines</i>	711	357	0	0			1,068
<b>Total</b>	2,132	32,260	6	0	175,927	48	210,373
<b>San Luis Obispo</b>							
<i>Facilities</i>	28	3,786	0	0	25,125	10	28,950
<i>Pipelines</i>	172	86	0	0			258
<b>Total</b>	200	3,873	0	0	25,125	10	29,209
<b>San Mateo</b>							
<i>Facilities</i>	0	89,509	0	0	19,042	158	108,708
<i>Pipelines</i>	830	417	0	0			1,246
<b>Total</b>	830	89,925	0	0	19,042	158	109,954
<b>Santa Barbara</b>							
<i>Facilities</i>	0	18	0	4	18	2	43
<i>Pipelines</i>	73	37	0	0			110
<b>Total</b>	73	55	0	4	18	2	153
<b>Santa Clara</b>							
<i>Facilities</i>	9,736	60,717	0	0	1,217,855	865	1,289,172
<i>Pipelines</i>	13,798	6,931	0	0			20,728

	Potable Water	Waste Water	Oil Systems	Natural Gas	Electric Power	Communication	Total
<b>Total</b>	23,533	67,648	0	0	1,217,855	865	1,309,901
<b>Santa Cruz</b>							
<i>Facilities</i>	0	21,549	0	0	2,945	65	24,558
<i>Pipelines</i>	611	307	0	0			918
<b>Total</b>	611	21,856	0	0	2,945	65	25,477
<b>Solano</b>							
<i>Facilities</i>	0	40,417	17	0	511,422	38	551,894
<i>Pipelines</i>	1,045	525	0	0			1,571
<b>Total</b>	1,045	40,942	17	0	511,422	38	553,464
<b>Sonoma</b>							
<i>Facilities</i>	0	11,338	0	0	40,012	12	51,361
<i>Pipelines</i>	227	114	0	0			341
<b>Total</b>	227	11,452	0	0	40,012	12	51,702
<b>Stanislaus</b>							
<i>Facilities</i>	0	11,878	0	0	78,971	67	90,917
<i>Pipelines</i>	364	183	0	0			547
<b>Total</b>	364	12,061	0	0	78,971	67	91,464
<b>Sutter</b>							
<i>Facilities</i>	0	246	0	0	6,808	1	7,055
<i>Pipelines</i>	33	16	0	0			49
<b>Total</b>	33	262	0	0	6,808	1	7,104

	Potable Water	Waste Water	Oil Systems	Natural Gas	Electric Power	Communication	Total
<b>Tulare</b>							
<i>Facilities</i>	28	369	0	0	2,105	2	2,504
<i>Pipelines</i>	112	56	0	0			168
<b>Total</b>	140	425	0	0	2,105	2	2,672
<b>Tuolumne</b>							
<i>Facilities</i>	0	123	0	0	16,265	1	16,390
<i>Pipelines</i>	50	25	0	0			75
<b>Total</b>	50	148	0	0	16,265	1	16,465
<b>Yolo</b>							
<i>Facilities</i>	0	6,097	0	0	6,937	12	13,047
<i>Pipelines</i>	134	67	0	0			201
<b>Total</b>	134	6,165	0	0	6,937	12	13,248
<b>Yuba</b>							
<i>Facilities</i>	0	371	0	0	840	0	1,212
<i>Pipelines</i>	24	12	0	0			37
<b>Total</b>	24	384	0	0	840	0	1,249
<b>Total</b>	<b>117,874</b>	<b>1,057,391</b>	<b>116</b>	<b>302</b>	<b>6,031,372</b>	<b>3,790</b>	<b>7,210,845</b>
<b>Region Total</b>	<b>117,874</b>	<b>1,057,391</b>	<b>116</b>	<b>302</b>	<b>6,031,372</b>	<b>3,790</b>	<b>7,210,845</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.

## Hazus Quick Assessment Report

### Estimated Economic Loss (\$ Billions)

Category	Description	Range
General Building Stock	Building Damage	16.90 - 67.50
	Building Contents	2.10 - 8.30
	Business Interruption	3.20 - 13.00
Infrastructure	Lifelines Damage	
<b>Total</b>		27.00 - 108.20

### Preliminary Damage Assessment (PDA) Estimates

Description	Residential	Commercial	Other	Total
Affected	586,700	41,100	20,800	648,600
Minor	76,500	18,800	9,600	104,900
Major	7,200	3,900	2,100	13,200
Destroyed	870	750	350	1,970
<b>Total</b>	671,270	64,550	32,850	768,670

### Estimated Casualties : Night Time

Severity Level	Description	# Persons
Level 1	Medical Aid	1,500 - 6,000
Level 2	Hospital Care	170 - 700
Level 3	Life-threatening	20 - 60
Level 4	Fatalities	30 - 110

### Estimated Shelter Needs

Type	Households	People
Displaced Households	7,000 - 30,000	17,500 - 75,000
Public Shelter	3,070	7,670

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 : 7.43

Epicenter Latitude/Longitude :  
/

Depth & Type : /U

Name :  
NA

Ground Motion /Attenuation :

Maximum PGA: 1.00

Information Sources:

Comments :

### Population and Building Exposure

Population: 16,846,162

### Building Exposure : (\$ Millions)

Residential	2,085,441
Commercial	567,475
Other	509,133
<b>Total</b>	<b>3,162,049</b>

Counties : See Appendix

Major Metro Area :

## Hazus Quick Assessment Report

### Estimated Economic Loss (\$ Billions)

Category	Description	Range
General Building Stock	Building Damage	16.90 - 67.50
	Building Contents	2.10 - 8.30
	Business Interruption	3.20 - 13.00
Infrastructure	Lifelines Damage	
<b>Total</b>		27.00 - 108.20

### Preliminary Damage Assessment (PDA) Estimates

Description	Residential	Commercial	Other	Total
Affected	586,700	41,100	20,800	648,600
Minor	76,500	18,800	9,600	104,900
Major	7,200	3,900	2,100	13,200
Destroyed	870	750	350	1,970
<b>Total</b>	671,270	64,550	32,850	768,670

### Estimated Casualties : Day Time

Severity Level	Description	# Persons
Level 1	Medical Aid	3,000 - 12,000
Level 2	Hospital Care	500 - 1,900
Level 3	Life-threatening	60 - 200
Level 4	Fatalities	100 - 400

### Estimated Shelter Needs

Type	Households	People
Displaced Households	7,000 - 30,000	17,500 - 75,000
Public Shelter	3,070	7,670

Comments :

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Information Sources:

Comments :

### Population and Building Exposure

Population: 16,846,162

### Building Exposure : (\$ Millions)

Residential	2,085,441
Commercial	567,475
Other	509,133
<b>Total</b>	3,162,049

Counties : See Appendix

Major Metro Area :

## Hazus Quick Assessment Report

### Estimated Economic Loss (\$ Billions)

Category	Description	Range
General Building Stock	Building Damage	16.90 - 67.50
	Building Contents	2.10 - 8.30
	Business Interruption	3.20 - 13.00
Infrastructure	Lifelines Damage	
<b>Total</b>		27.00 - 108.20

### Preliminary Damage Assessment (PDA) Estimates

Description	Residential	Commercial	Other	Total
Affected	586,700	41,100	20,800	648,600
Minor	76,500	18,800	9,600	104,900
Major	7,200	3,900	2,100	13,200
Destroyed	870	750	350	1,970
<b>Total</b>	671,270	64,550	32,850	768,670

### Estimated Casualties : Commute Time

Severity Level	Description	# Persons
Level 1	Medical Aid	2,000 - 8,000
Level 2	Hospital Care	400 - 1,600
Level 3	Life-threatening	160 - 700
Level 4	Fatalities	90 - 400

### Estimated Shelter Needs

Type	Households	People
Displaced Households	7,000 - 30,000	17,500 - 75,000
Public Shelter	3,070	7,670

### Earthquake Information

Location :

Origin Time:

Magnitude : 7.43

Epicenter Latitude/Longitude :  
/

Depth & Type : /U

Name :  
NA

Ground Motion /Attenuation :

Maximum PGA: 1.00

Information Sources:

Comments :

### Population and Building Exposure

Population: 16,846,162

### Building Exposure : (\$ Millions)

Residential	2,085,441
Commercial	567,475
Other	509,133
<b>Total</b>	<b>3,162,049</b>

Counties : See Appendix

Major Metro Area :

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:

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## Shelter Summary Report

May 20, 2024

	# of Displaced Households	# of People Needing Short Term Shelter
<b>California</b>		
Fresno	0	0
Butte	0	0
Alameda	8,073	4,299
Solano	29	15
San Mateo	100	50
Tuolumne	0	0
Kings	0	0
San Joaquin	12	8
San Luis Obispo	0	0
Nevada	0	0
Madera	0	0
Tulare	0	0
Colusa	0	0
Napa	1	0
Mendocino	0	0
Contra Costa	1,673	692
El Dorado	0	0
Kern	0	0
Amador	0	0
Santa Cruz	63	44
Lake	0	0
Monterey	117	87
Sacramento	0	0
Mariposa	0	0
Yolo	0	0
Calaveras	0	0
Yuba	0	0
Glenn	0	0
Alpine	0	0
Stanislaus	2	1
Sonoma	0	0
Santa Barbara	0	0

	# of Displaced Households	# of People Needing Short Term Shelter
Santa Clara	2,904	1,669
San Benito	140	86
San Francisco	1,717	718
Merced	1	1
Placer	0	0
Marin	1	0
Sutter	0	0
<b>Total</b>	<b>14,834</b>	<b>7,670</b>
<b>Region Total</b>	<b>14,834</b>	<b>7,670</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.*

## Building Damage by Count by General Occupancy

April 29, 2024

	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<b>California</b>						
<b>Alameda</b>						
<i>Government</i>	4,985	3,605	1,679	240	18	10,528
<i>Agriculture</i>	169	147	79	23	4	422
<i>Commercial</i>	13,200	10,838	6,185	1,557	209	31,989
<i>Religion</i>	793	651	414	114	15	1,986
<i>Single Family</i>	183,151	146,919	14,035	66	2	344,173
<i>Other Residential</i>	31,406	21,339	6,363	2,057	232	61,396
<i>Education</i>	705	267	110	31	4	1,117
<i>Industrial</i>	4,317	3,471	1,899	458	60	10,205
<b>Amador</b>						
<i>Industrial</i>	235	0	0	0	0	235
<i>Single Family</i>	14,962	0	0	0	0	14,962
<i>Other Residential</i>	1,037	0	0	0	0	1,037
<i>Education</i>	23	0	0	0	0	23
<i>Government</i>	32	0	0	0	0	32
<i>Agriculture</i>	44	0	0	0	0	44
<i>Religion</i>	45	0	0	0	0	45
<i>Commercial</i>	1,368	0	0	0	0	1,368
<b>Butte</b>						

	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<i>Government</i>	147	0	0	0	0	147
<i>Religion</i>	531	0	0	0	0	531
<i>Agriculture</i>	510	0	0	0	0	510
<i>Commercial</i>	6,385	0	0	0	0	6,385
<i>Industrial</i>	1,522	0	0	0	0	1,522
<i>Single Family</i>	50,283	0	0	0	0	50,283
<i>Other Residential</i>	21,496	2	0	0	0	21,498
<i>Education</i>	172	0	0	0	0	172
<b>Calaveras</b>						
<i>Government</i>	84	0	0	0	0	84
<i>Other Residential</i>	2,559	0	0	0	0	2,559
<i>Education</i>	35	0	0	0	0	35
<i>Religion</i>	130	0	0	0	0	130
<i>Agriculture</i>	2,207	0	0	0	0	2,207
<i>Commercial</i>	1,413	0	0	0	0	1,413
<i>Industrial</i>	466	0	0	0	0	466
<i>Single Family</i>	22,148	0	0	0	0	22,148
<b>Colusa</b>						
<i>Agriculture</i>	142	0	0	0	0	142
<i>Religion</i>	58	0	0	0	0	58
<i>Commercial</i>	793	1	0	0	0	794
<i>Industrial</i>	113	0	0	0	0	113
<i>Other Residential</i>	953	1	0	0	0	954
<i>Single Family</i>	5,954	0	0	0	0	5,954
<i>Government</i>	32	0	0	0	0	32

	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<i>Education</i>	33	0	0	0	0	33
<b>Contra Costa</b>						
<i>Commercial</i>	9,706	5,271	2,510	444	61	17,991
<i>Agriculture</i>	411	213	102	20	3	749
<i>Religion</i>	706	327	160	30	3	1,226
<i>Single Family</i>	184,434	87,853	9,569	79	0	281,935
<i>Other Residential</i>	16,291	9,301	3,073	440	20	29,124
<i>Industrial</i>	2,718	1,281	616	120	14	4,749
<i>Government</i>	3,351	1,127	452	84	10	5,024
<i>Education</i>	476	134	38	4	1	653
<b>El Dorado</b>						
<i>Other Residential</i>	10,420	0	0	0	0	10,420
<i>Industrial</i>	1,199	0	0	0	0	1,199
<i>Education</i>	128	0	0	0	0	128
<i>Single Family</i>	71,424	0	0	0	0	71,424
<i>Commercial</i>	4,768	0	0	0	0	4,768
<i>Government</i>	100	0	0	0	0	100
<i>Religion</i>	180	0	0	0	0	180
<i>Agriculture</i>	161	0	0	0	0	161
<b>Fresno</b>						
<i>Commercial</i>	21,040	14	1	0	0	21,054
<i>Religion</i>	1,505	2	0	0	0	1,507
<i>Agriculture</i>	3,416	5	0	0	0	3,421
<i>Industrial</i>	5,342	5	0	0	0	5,348
<i>Government</i>	291	0	0	0	0	291

		# of Buildings					
		None	Slight	Moderate	Extensive	Complete	Total
<b>Glenn</b>	<i>Other Residential</i>	40,927	44	2	0	0	40,973
	<i>Single Family</i>	226,405	20	0	0	0	226,425
	<i>Education</i>	602	0	0	0	0	602
	<i>Other Residential</i>	2,152	0	0	0	0	2,152
	<i>Government</i>	99	0	0	0	0	99
	<i>Education</i>	35	0	0	0	0	35
	<i>Industrial</i>	254	0	0	0	0	254
	<i>Single Family</i>	7,417	0	0	0	0	7,417
	<i>Commercial</i>	885	0	0	0	0	885
<b>Kern</b>	<i>Agriculture</i>	1,365	0	0	0	0	1,365
	<i>Religion</i>	89	0	0	0	0	89
	<i>Single Family</i>	205,139	0	0	0	0	205,139
	<i>Other Residential</i>	54,520	0	0	0	0	54,520
	<i>Industrial</i>	6,047	0	0	0	0	6,047
	<i>Education</i>	462	0	0	0	0	462
	<i>Government</i>	443	0	0	0	0	443
	<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>	15,567	0	0	0	0	15,567
	<i>Commercial</i>	2,317	1	0	0	0	2,318
	<i>Religion</i>	210	0	0	0	0	210
	<i>Agriculture</i>	306	0	0	0	0	306

		# of Buildings					
		None	Slight	Moderate	Extensive	Complete	Total
<b>Lake</b>	<i>Government</i>	72	0	0	0	0	72
	<i>Industrial</i>	555	0	0	0	0	555
	<i>Single Family</i>	36,245	0	0	0	0	36,245
	<i>Other Residential</i>	4,341	1	0	0	0	4,342
	<i>Education</i>	103	0	0	0	0	103
	<i>Agriculture</i>	161	0	0	0	0	161
	<i>Single Family</i>	21,633	0	0	0	0	21,633
	<i>Other Residential</i>	14,597	4	0	0	0	14,601
	<i>Education</i>	68	0	0	0	0	68
	<i>Industrial</i>	354	0	0	0	0	354
<b>Madera</b>	<i>Commercial</i>	2,091	0	0	0	0	2,091
	<i>Religion</i>	140	0	0	0	0	140
	<i>Government</i>	78	0	0	0	0	78
	<i>Commercial</i>	2,900	5	0	0	0	2,905
	<i>Religion</i>	119	0	0	0	0	119
	<i>Government</i>	111	0	0	0	0	111
	<i>Agriculture</i>	630	4	0	0	0	634
	<i>Other Residential</i>	6,622	13	1	0	0	6,635
	<i>Single Family</i>	38,898	14	0	0	0	38,912
	<i>Education</i>	115	0	0	0	0	115
<b>Marin</b>	<i>Industrial</i>	901	2	0	0	0	903
	<i>Other Residential</i>	7,631	232	27	0	0	7,890

	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<i>Government</i>	138	4	0	0	0	143
<i>Education</i>	271	3	0	0	0	274
<i>Commercial</i>	7,899	332	38	1	0	8,270
<i>Religion</i>	308	10	1	0	0	319
<i>Agriculture</i>	179	9	2	0	0	190
<i>Single Family</i>	75,603	1,115	7	0	0	76,724
<i>Industrial</i>	1,420	100	15	0	0	1,535
<b>Mariposa</b>						
<i>Single Family</i>	8,084	0	0	0	0	8,084
<i>Other Residential</i>	307	0	0	0	0	307
<i>Education</i>	27	0	0	0	0	27
<i>Industrial</i>	94	0	0	0	0	94
<i>Commercial</i>	689	0	0	0	0	689
<i>Agriculture</i>	29	0	0	0	0	29
<i>Religion</i>	36	0	0	0	0	36
<i>Government</i>	33	0	0	0	0	33
<b>Mendocino</b>						
<i>Commercial</i>	3,436	0	0	0	0	3,436
<i>Religion</i>	216	0	0	0	0	216
<i>Agriculture</i>	184	0	0	0	0	184
<i>Single Family</i>	25,969	0	0	0	0	25,969
<i>Other Residential</i>	7,060	0	0	0	0	7,060
<i>Government</i>	83	0	0	0	0	83
<i>Education</i>	101	0	0	0	0	101

	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<i>Industrial</i>	869	0	0	0	0	869
<b>Merced</b>						
<i>Education</i>	162	1	0	0	0	163
<i>Government</i>	168	2	0	0	0	171
<i>Commercial</i>	4,640	104	10	0	0	4,754
<i>Agriculture</i>	7,146	389	110	7	0	7,653
<i>Religion</i>	337	7	1	0	0	345
<i>Industrial</i>	999	21	2	0	0	1,022
<i>Single Family</i>	62,835	761	3	0	0	63,598
<i>Other Residential</i>	10,458	292	36	0	0	10,787
<b>Monterey</b>						
<i>Single Family</i>	83,312	7,428	135	0	0	90,876
<i>Industrial</i>	1,554	219	69	8	0	1,850
<i>Other Residential</i>	16,774	2,393	610	32	0	19,809
<i>Education</i>	231	7	1	0	0	239
<i>Government</i>	165	16	4	0	0	185
<i>Agriculture</i>	1,732	69	13	1	0	1,815
<i>Commercial</i>	8,047	927	249	22	0	9,246
<i>Religion</i>	510	54	14	2	0	580
<b>Napa</b>						
<i>Commercial</i>	3,869	136	15	0	0	4,021
<i>Agriculture</i>	340	8	1	0	0	349
<i>Religion</i>	142	5	1	0	0	148
<i>Single Family</i>	38,062	696	3	0	0	38,761
<i>Other Residential</i>	6,687	265	25	0	0	6,978

	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<i>Government</i>	98	4	0	0	0	103
<i>Education</i>	129	3	1	0	0	132
<i>Industrial</i>	1,305	56	6	0	0	1,367
<b>Nevada</b>						
<i>Commercial</i>	2,835	0	0	0	0	2,835
<i>Religion</i>	189	0	0	0	0	189
<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>Other Residential</i>	6,384	0	0	0	0	6,384
<i>Education</i>	108	0	0	0	0	108
<i>Industrial</i>	1,161	0	0	0	0	1,161
<b>Placer</b>						
<i>Education</i>	231	0	0	0	0	231
<i>Commercial</i>	8,537	1	0	0	0	8,538
<i>Government</i>	377	0	0	0	0	377
<i>Agriculture</i>	258	0	0	0	0	258
<i>Religion</i>	382	0	0	0	0	382
<i>Industrial</i>	2,703	0	0	0	0	2,703
<i>Other Residential</i>	14,841	2	0	0	0	14,843
<i>Single Family</i>	134,719	0	0	0	0	134,719
<b>Sacramento</b>						
<i>Single Family</i>	386,218	618	4	0	0	386,840
<i>Industrial</i>	6,723	29	3	0	0	6,756
<i>Other Residential</i>	56,091	281	41	1	0	56,413

	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<i>Education</i>	828	1	0	0	0	829
<i>Agriculture</i>	617	3	1	0	0	621
<i>Religion</i>	1,688	12	1	0	0	1,702
<i>Government</i>	608	10	1	0	0	619
<i>Commercial</i>	26,109	158	25	3	0	26,295
<b>San Benito</b>						
<i>Other Residential</i>	294	615	283	139	44	1,375
<i>Single Family</i>	4,515	8,556	1,636	20	0	14,726
<i>Industrial</i>	115	111	74	15	10	326
<i>Education</i>	18	15	6	1	2	42
<i>Government</i>	11	12	12	4	6	45
<i>Commercial</i>	326	365	228	68	93	1,080
<i>Religion</i>	16	23	14	4	8	64
<i>Agriculture</i>	158	66	24	3	2	253
<b>San Francisco</b>						
<i>Single Family</i>	138,592	10,859	1,192	58	0	150,703
<i>Other Residential</i>	35,881	6,617	1,929	101	1	44,529
<i>Government</i>	181	75	31	3	0	289
<i>Education</i>	489	57	25	2	0	572
<i>Industrial</i>	2,911	674	255	20	0	3,860
<i>Commercial</i>	15,314	4,267	1,649	112	1	21,344
<i>Religion</i>	1,063	213	65	3	0	1,345
<i>Agriculture</i>	131	23	7	0	0	162
<b>San Joaquin</b>						
<i>Commercial</i>	12,287	515	61	1	0	12,864

	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<i>Agriculture</i>	719	30	4	0	0	753
<i>Religion</i>	837	35	4	0	0	877
<i>Government</i>	289	13	2	0	0	304
<i>Single Family</i>	180,562	7,683	657	20	0	188,922
<i>Other Residential</i>	20,598	1,078	127	2	0	21,805
<i>Education</i>	389	6	1	0	0	395
<i>Industrial</i>	4,690	211	27	0	0	4,928
<b>San Luis Obispo</b>						
<i>Religion</i>	360	0	0	0	0	360
<i>Agriculture</i>	421	0	0	0	0	421
<i>Government</i>	185	0	0	0	0	185
<i>Commercial</i>	9,375	0	0	0	0	9,375
<i>Single Family</i>	85,639	0	0	0	0	85,639
<i>Industrial</i>	2,556	0	0	0	0	2,556
<i>Other Residential</i>	20,215	1	0	0	0	20,216
<i>Education</i>	182	0	0	0	0	182
<b>San Mateo</b>						
<i>Religion</i>	632	87	17	0	0	736
<i>Agriculture</i>	472	51	14	2	0	539
<i>Government</i>	255	37	7	0	0	299
<i>Commercial</i>	12,389	1,678	316	13	0	14,395
<i>Industrial</i>	3,729	598	137	7	0	4,472
<i>Other Residential</i>	19,533	2,516	379	25	0	22,453
<i>Single Family</i>	148,153	11,527	251	0	0	159,931
<i>Education</i>	464	21	3	0	0	489

	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<b>Santa Clara</b>						
<i>Other Residential</i>	29,533	20,102	6,831	2,452	243	59,160
<i>Single Family</i>	249,408	160,609	17,020	163	18	427,219
<i>Government</i>	223	156	96	22	5	502
<i>Education</i>	866	238	59	8	2	1,173
<i>Industrial</i>	4,222	3,244	1,606	303	58	9,433
<i>Commercial</i>	18,237	11,405	4,796	862	170	35,469
<i>Religion</i>	783	479	228	42	8	1,540
<i>Agriculture</i>	351	299	186	48	10	895
<b>Santa Cruz</b>						
<i>Religion</i>	310	38	10	1	0	359
<i>Agriculture</i>	640	138	51	11	0	840
<i>Single Family</i>	63,787	5,013	70	0	0	68,870
<i>Other Residential</i>	12,755	1,796	317	23	0	14,892
<i>Industrial</i>	1,546	208	58	7	0	1,819
<i>Education</i>	212	11	2	0	0	225
<i>Commercial</i>	5,828	692	160	14	0	6,694
<i>Government</i>	110	12	4	1	0	127
<b>Solano</b>						
<i>Religion</i>	402	42	9	1	0	454
<i>Agriculture</i>	224	17	4	0	0	245
<i>Government</i>	139	11	1	0	0	152
<i>Commercial</i>	6,506	621	130	11	0	7,268
<i>Single Family</i>	114,048	6,855	65	0	0	120,968
<i>Industrial</i>	1,784	250	61	5	0	2,101

	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<i>Other Residential</i>	10,989	1,141	179	8	0	12,317
<i>Education</i>	218	6	1	0	0	225
<b>Sonoma</b>						
<i>Other Residential</i>	24,826	191	16	0	0	25,033
<i>Government</i>	316	3	0	0	0	319
<i>Education</i>	366	1	0	0	0	367
<i>Religion</i>	572	3	0	0	0	576
<i>Commercial</i>	12,021	81	7	0	0	12,110
<i>Agriculture</i>	1,282	18	3	0	0	1,304
<i>Single Family</i>	141,738	290	0	0	0	142,028
<i>Industrial</i>	3,787	34	3	0	0	3,825
<b>Stanislaus</b>						
<i>Other Residential</i>	19,072	456	40	0	0	19,569
<i>Single Family</i>	141,009	1,713	2	0	0	142,724
<i>Education</i>	306	1	0	0	0	307
<i>Government</i>	663	16	1	0	0	680
<i>Industrial</i>	3,356	105	14	0	0	3,475
<i>Commercial</i>	10,076	264	29	0	0	10,369
<i>Religion</i>	442	12	2	0	0	456
<i>Agriculture</i>	1,192	40	7	0	0	1,239
<b>Sutter</b>						
<i>Other Residential</i>	3,110	3	0	0	0	3,113
<i>Industrial</i>	636	0	0	0	0	636
<i>Education</i>	62	0	0	0	0	62
<i>Government</i>	77	0	0	0	0	77

	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<b>Tulare</b>						
Single Family	24,512	0	0	0	0	24,512
Commercial	2,051	1	0	0	0	2,052
Agriculture	1,123	2	0	0	0	1,125
Religion	154	0	0	0	0	154
<b>Tuolumne</b>						
Commercial	8,873	0	0	0	0	8,873
Agriculture	3,555	0	0	0	0	3,555
Religion	827	0	0	0	0	827
Government	461	0	0	0	0	461
Single Family	112,034	0	0	0	0	112,034
Other Residential	20,022	0	0	0	0	20,022
Industrial	2,148	0	0	0	0	2,148
Education	269	0	0	0	0	269
<b>Yolo</b>						
Industrial	1,105	11	1	0	0	1,117
Other Residential	9,781	77	4	0	0	9,861

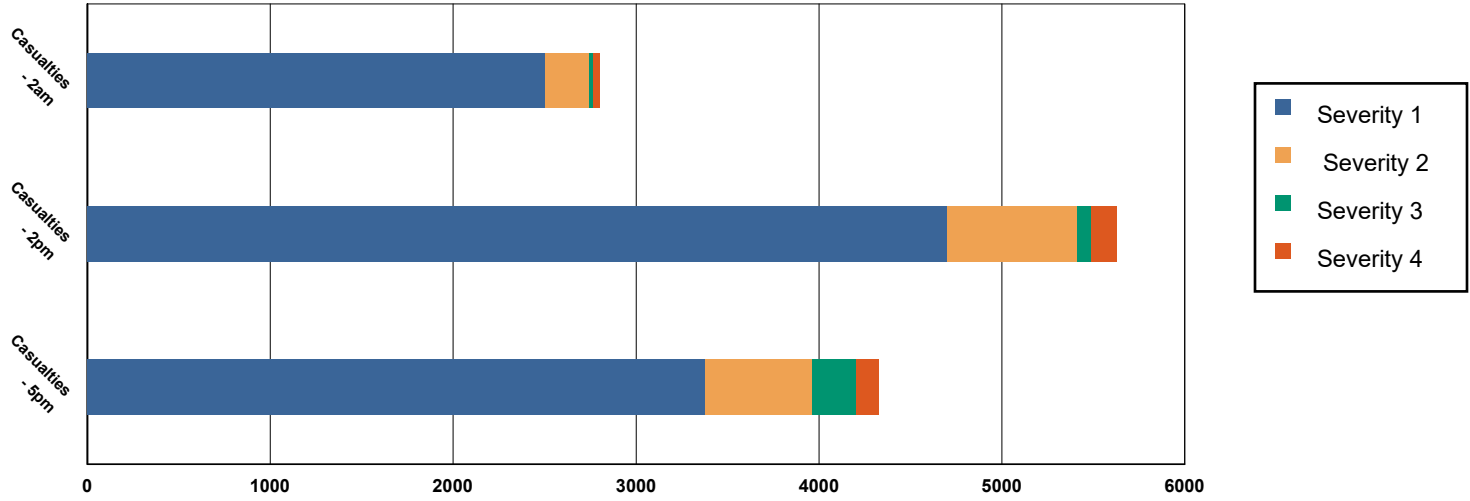
	# of Buildings					Total
	None	Slight	Moderate	Extensive	Complete	
<i>Education</i>	130	1	0	0	0	131
<i>Government</i>	110	1	0	0	0	111
<i>Single Family</i>	42,422	167	0	0	0	42,589
<i>Commercial</i>	4,180	42	3	0	0	4,225
<i>Agriculture</i>	279	2	0	0	0	281
<i>Religion</i>	240	2	0	0	0	242
<b>Yuba</b>						
<i>Government</i>	591	0	0	0	0	591
<i>Education</i>	54	0	0	0	0	54
<i>Other Residential</i>	7,018	3	0	0	0	7,021
<i>Religion</i>	98	0	0	0	0	98
<i>Commercial</i>	1,198	1	0	0	0	1,199
<i>Agriculture</i>	92	0	0	0	0	92
<i>Single Family</i>	18,867	0	0	0	0	18,867
<i>Industrial</i>	404	0	0	0	0	404
<b>Total</b>	<b>4,404,838</b>	<b>585,225</b>	<b>90,283</b>	<b>10,452</b>	<b>1,341</b>	<b>5,092,138</b>
<b>Region Total</b>	<b>4,404,838</b>	<b>585,225</b>	<b>90,283</b>	<b>10,452</b>	<b>1,341</b>	<b>5,092,138</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

April 29, 2024

### Region Total Casualties



### Injury Severity Level

Severity 1	Severity 2	Severity 3	Severity 4	Total
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#### California

##### Alameda

##### Casualties - 2am

	Severity 1	Severity 2	Severity 3	Severity 4	Total
Single Family	321	13	0	0	334
Hotels	0	0	0	0	0
Commuting	0	0	0	0	1
Educational	0	0	0	0	0
Industrial	19	3	0	1	23
Commercial	19	3	0	1	24
Other-Residential	519	73	7	13	611
<b>Total Casualties - 2am</b>	<b>880</b>	<b>92</b>	<b>8</b>	<b>14</b>	<b>993</b>

##### Casualties - 2pm

Industrial	138	22	2	4	167
Educational	252	36	3	6	297
Other-Residential	163	23	2	4	193
Single Family	87	4	0	0	90
Hotels	0	0	0	0	0
Commuting	2	2	4	1	8
Commercial	1,308	209	21	41	1,578

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Alameda</b>					
<b>Total Casualties - 2pm</b>	<b>1,949</b>	<b>296</b>	<b>32</b>	<b>56</b>	<b>2,333</b>
<b>Casualties - 5pm</b>					
<i>Commuting</i>	31	41	70	13	155
<i>Single Family</i>	117	5	0	0	122
<i>Commercial</i>	930	148	15	28	1,121
<i>Hotels</i>	0	0	0	0	0
<i>Educational</i>	35	5	0	1	41
<i>Industrial</i>	86	14	1	3	104
<i>Other-Residential</i>	199	28	3	5	235
<b>Total Casualties - 5pm</b>	<b>1,399</b>	<b>240</b>	<b>89</b>	<b>50</b>	<b>1,779</b>
<b>Amador</b>					
<b>Casualties - 2am</b>					
<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
<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>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>Commercial</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>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>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>Butte</b>					
<b>Casualties - 2am</b>					
<i>Industrial</i>	0	0	0	0	0

## Injury Severity Level

Severity 1	Severity 2	Severity 3	Severity 4	Total
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**California**

**Butte**
**Casualties - 2am**

<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>
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**Casualties - 2pm**

<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
<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>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>
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**Casualties - 5pm**

<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
<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 - 5pm</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
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**Calaveras**
**Casualties - 2am**

<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
<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>
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**Casualties - 2pm**

<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
<i>Commuting</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0

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

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</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>	5	1	0	0	6
<i>Other-Residential</i>	113	11	1	1	126
<i>Single Family</i>	208	9	0	0	217
<i>Commercial</i>	6	1	0	0	7
<i>Commuting</i>	0	0	0	0	1
<b>Total Casualties - 2am</b>	<b>333</b>	<b>22</b>	<b>1</b>	<b>2</b>	<b>357</b>
<b>Casualties - 2pm</b>					
<i>Other-Residential</i>	37	4	0	0	42
<i>Industrial</i>	38	5	0	1	44
<i>Hotels</i>	0	0	0	0	0
<i>Single Family</i>	61	3	0	0	64
<i>Educational</i>	90	11	1	2	103
<i>Commuting</i>	1	1	2	0	5
<i>Commercial</i>	400	61	6	12	478
<b>Total Casualties - 2pm</b>	<b>627</b>	<b>85</b>	<b>10</b>	<b>15</b>	<b>737</b>
<b>Casualties - 5pm</b>					
<i>Educational</i>	10	1	0	0	11
<i>Commuting</i>	19	28	44	9	99
<i>Single Family</i>	76	3	0	0	79
<i>Hotels</i>	0	0	0	0	0
<i>Industrial</i>	24	3	0	1	28
<i>Other-Residential</i>	42	4	0	0	47
<i>Commercial</i>	276	41	4	8	329
<b>Total Casualties - 5pm</b>	<b>447</b>	<b>81</b>	<b>48</b>	<b>17</b>	<b>594</b>
<b>El Dorado</b>					
<b>Casualties - 2am</b>					
<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>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>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

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>El Dorado</b>					
<b>Casualties - 2pm</b>					
<i>Educational</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 - 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>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
<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>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
<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>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>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>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>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>Other-Residential</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0

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

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

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Marin</b>					
<b>Casualties - 5pm</b>					
<i>Other-Residential</i>	0	0	0	0	0
<i>Single Family</i>	1	0	0	0	1
<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 - 5pm</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>
<b>Mariposa</b>					
<b>Casualties - 2am</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
<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>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 - 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>Educational</i>	0	0	0	0	0
<i>Commuting</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>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>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
<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>Mendocino</b>					
<b>Casualties - 2am</b>					
Single Family	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
Commuting	0	0	0	0	0
Hotels	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>					
Hotels	0	0	0	0	0
Single Family	0	0	0	0	0
Educational	0	0	0	0	0
Commuting	0	0	0	0	0
Commercial	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>Merced</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	1	0	0	0	1
Other-Residential	1	0	0	0	1
Educational	0	0	0	0	0
Commuting	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>					
Other-Residential	0	0	0	0	0
Industrial	0	0	0	0	0
Commercial	7	0	0	0	7
Commuting	0	0	0	0	0
Hotels	0	0	0	0	0
Educational	0	0	0	0	0
Single Family	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Merced</b>					
<b>Casualties - 5pm</b>					
<i>Industrial</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>Single Family</i>	0	0	0	0	0
<i>Commercial</i>	5	0	0	0	5
<i>Other-Residential</i>	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>
<b>Monterey</b>					
<b>Casualties - 2am</b>					
<i>Other-Residential</i>	16	1	0	0	18
<i>Commuting</i>	0	0	0	0	0
<i>Commercial</i>	0	0	0	0	0
<i>Single Family</i>	14	0	0	0	14
<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 - 2am</b>	<b>31</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>33</b>
<b>Casualties - 2pm</b>					
<i>Commuting</i>	0	0	0	0	0
<i>Commercial</i>	18	1	0	0	20
<i>Single Family</i>	4	0	0	0	4
<i>Hotels</i>	0	0	0	0	0
<i>Educational</i>	5	0	0	0	5
<i>Industrial</i>	2	0	0	0	3
<i>Other-Residential</i>	5	0	0	0	5
<b>Total Casualties - 2pm</b>	<b>34</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>36</b>
<b>Casualties - 5pm</b>					
<i>Commercial</i>	13	1	0	0	15
<i>Other-Residential</i>	6	0	0	0	6
<i>Industrial</i>	1	0	0	0	2
<i>Hotels</i>	0	0	0	0	0
<i>Educational</i>	1	0	0	0	1
<i>Commuting</i>	0	0	1	0	1
<i>Single Family</i>	5	0	0	0	5
<b>Total Casualties - 5pm</b>	<b>27</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>30</b>
<b>Napa</b>					
<b>Casualties - 2am</b>					
<i>Commercial</i>	0	0	0	0	0
<i>Other-Residential</i>	1	0	0	0	1
<i>Educational</i>	0	0	0	0	0

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

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Sacramento</b>					
<b>Casualties - 2am</b>					
<i>Other-Residential</i>	1	0	0	0	1
<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>Commuting</i>	0	0	0	0	0
<i>Educational</i>	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>					
<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>Commercial</i>	5	0	0	0	5
<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 - 2pm</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>
<b>Casualties - 5pm</b>					
<i>Industrial</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>	3	0	0	0	3
<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
<b>Total Casualties - 5pm</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>
<b>San Benito</b>					
<b>Casualties - 2am</b>					
<i>Other-Residential</i>	19	4	0	1	23
<i>Commercial</i>	1	0	0	0	2
<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>Single Family</i>	30	2	0	0	32
<i>Industrial</i>	1	0	0	0	2
<b>Total Casualties - 2am</b>	<b>52</b>	<b>6</b>	<b>0</b>	<b>1</b>	<b>59</b>
<b>Casualties - 2pm</b>					
<i>Hotels</i>	0	0	0	0	0
<i>Educational</i>	97	30	5	10	142
<i>Industrial</i>	9	2	0	0	11
<i>Other-Residential</i>	5	1	0	0	6
<i>Commercial</i>	99	28	4	9	141

## Injury Severity Level

Severity 1      Severity 2      Severity 3      Severity 4      Total

### California

#### San Benito

##### Casualties - 2pm

<i>Commuting</i>	0	0	0	0	1
<i>Single Family</i>	9	1	0	0	9

**Total Casualties - 2pm      219      62      10      19      310**

##### Casualties - 5pm

<i>Commuting</i>	2	3	5	1	11
<i>Commercial</i>	76	21	3	7	107
<i>Other-Residential</i>	7	1	0	0	9
<i>Single Family</i>	11	1	0	0	12
<i>Industrial</i>	5	1	0	0	7
<i>Educational</i>	13	4	1	1	20
<i>Hotels</i>	0	0	0	0	0

**Total Casualties - 5pm      115      32      9      9      166**

#### San Francisco

##### Casualties - 2am

<i>Industrial</i>	2	0	0	0	2
<i>Hotels</i>	1	0	0	0	1
<i>Commercial</i>	4	0	0	0	4
<i>Other-Residential</i>	143	12	0	0	156
<i>Commuting</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Single Family</i>	25	1	0	0	26

**Total Casualties - 2am      175      14      0      0      190**

##### Casualties - 2pm

<i>Commercial</i>	219	20	0	1	240
<i>Industrial</i>	12	1	0	0	13
<i>Other-Residential</i>	46	4	0	0	51
<i>Single Family</i>	7	0	0	0	8
<i>Hotels</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Educational</i>	27	2	0	0	30

**Total Casualties - 2pm      313      28      1      1      342**

##### Casualties - 5pm

<i>Educational</i>	10	1	0	0	11
<i>Hotels</i>	0	0	0	0	0
<i>Industrial</i>	8	1	0	0	8
<i>Commuting</i>	0	0	0	0	0
<i>Commercial</i>	125	11	0	0	137
<i>Other-Residential</i>	56	5	0	0	61
<i>Single Family</i>	9	0	0	0	10

**Total Casualties - 5pm      209      18      1      1      228**

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>San Joaquin</b>					
<b>Casualties - 2am</b>					
<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>Commercial</i>	0	0	0	0	0
<i>Single Family</i>	20	1	0	0	21
<i>Industrial</i>	0	0	0	0	0
<i>Other-Residential</i>	5	0	0	0	5
<b>Total Casualties - 2am</b>	<b>25</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>27</b>
<b>Casualties - 2pm</b>					
<i>Industrial</i>	2	0	0	0	2
<i>Other-Residential</i>	2	0	0	0	2
<i>Educational</i>	2	0	0	0	2
<i>Single Family</i>	7	0	0	0	7
<i>Hotels</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Commercial</i>	9	0	0	0	10
<b>Total Casualties - 2pm</b>	<b>21</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>22</b>
<b>Casualties - 5pm</b>					
<i>Commuting</i>	0	0	0	0	0
<i>Single Family</i>	7	0	0	0	8
<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>Commercial</i>	6	0	0	0	6
<i>Other-Residential</i>	2	0	0	0	2
<b>Total Casualties - 5pm</b>	<b>17</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>18</b>
<b>San Luis Obispo</b>					
<b>Casualties - 2am</b>					
<i>Commercial</i>	0	0	0	0	0
<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>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>Single Family</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Other-Residential</i>	0	0	0	0	0
<i>Hotels</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 - 2pm</b>					
<i>Commuting</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 - 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>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>	1	0	0	0	1
<i>Other-Residential</i>	21	1	0	0	22
<i>Single Family</i>	21	0	0	0	21
<i>Commercial</i>	1	0	0	0	1
<i>Educational</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>43</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>44</b>
<b>Casualties - 2pm</b>					
<i>Other-Residential</i>	6	0	0	0	6
<i>Single Family</i>	6	0	0	0	6
<i>Commuting</i>	0	0	0	0	0
<i>Commercial</i>	41	3	0	0	43
<i>Educational</i>	6	0	0	0	6
<i>Hotels</i>	0	0	0	0	0
<i>Industrial</i>	6	0	0	0	6
<b>Total Casualties - 2pm</b>	<b>64</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>68</b>
<b>Casualties - 5pm</b>					
<i>Commercial</i>	26	2	0	0	28
<i>Industrial</i>	4	0	0	0	4
<i>Other-Residential</i>	8	0	0	0	8
<i>Single Family</i>	7	0	0	0	7
<i>Educational</i>	1	0	0	0	1
<i>Commuting</i>	1	1	2	0	5
<i>Hotels</i>	0	0	0	0	0

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>San Mateo</b>					
<b>Total Casualties - 5pm</b>	<b>46</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>53</b>
<b>Santa Clara</b>					
<b>Casualties - 2am</b>					
<i>Commuting</i>	0	0	0	0	1
<i>Educational</i>	0	0	0	0	0
<i>Single Family</i>	412	20	0	1	434
<i>Hotels</i>	0	0	0	0	1
<i>Industrial</i>	20	3	0	1	24
<i>Commercial</i>	12	2	0	0	15
<i>Other-Residential</i>	470	77	8	16	571
<b>Total Casualties - 2am</b>	<b>915</b>	<b>103</b>	<b>10</b>	<b>18</b>	<b>1,046</b>
<b>Casualties - 2pm</b>					
<i>Industrial</i>	145	23	2	5	175
<i>Commercial</i>	817	147	17	34	1,015
<i>Single Family</i>	110	6	0	0	116
<i>Commuting</i>	2	2	3	1	8
<i>Hotels</i>	0	0	0	0	0
<i>Other-Residential</i>	147	25	3	6	181
<i>Educational</i>	176	23	2	4	205
<b>Total Casualties - 2pm</b>	<b>1,397</b>	<b>226</b>	<b>28</b>	<b>49</b>	<b>1,700</b>
<b>Casualties - 5pm</b>					
<i>Industrial</i>	91	14	1	3	110
<i>Hotels</i>	0	0	0	0	0
<i>Other-Residential</i>	178	30	3	6	217
<i>Commercial</i>	587	106	13	24	730
<i>Commuting</i>	32	41	71	14	159
<i>Single Family</i>	151	8	0	0	159
<i>Educational</i>	22	2	0	0	24
<b>Total Casualties - 5pm</b>	<b>1,061</b>	<b>202</b>	<b>89</b>	<b>48</b>	<b>1,400</b>
<b>Santa Cruz</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>Other-Residential</i>	10	1	0	0	11
<i>Single Family</i>	8	0	0	0	8
<i>Commercial</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>18</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>19</b>
<b>Casualties - 2pm</b>					
<i>Industrial</i>	3	0	0	0	3

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Santa Cruz</b>					
<b>Casualties - 2pm</b>					
<i>Other-Residential</i>	3	0	0	0	3
<i>Commercial</i>	16	1	0	0	17
<i>Commuting</i>	0	0	0	0	0
<i>Educational</i>	4	0	0	0	4
<i>Single Family</i>	2	0	0	0	2
<i>Hotels</i>	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>28</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>30</b>
<b>Casualties - 5pm</b>					
<i>Industrial</i>	2	0	0	0	2
<i>Other-Residential</i>	4	0	0	0	4
<i>Commercial</i>	11	1	0	0	12
<i>Commuting</i>	0	0	0	0	1
<i>Single Family</i>	3	0	0	0	3
<i>Hotels</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>20</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>22</b>
<b>Solano</b>					
<b>Casualties - 2am</b>					
<i>Industrial</i>	0	0	0	0	0
<i>Other-Residential</i>	5	0	0	0	5
<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>	10	0	0	0	10
<i>Hotels</i>	0	0	0	0	0
<b>Total Casualties - 2am</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16</b>
<b>Casualties - 2pm</b>					
<i>Single Family</i>	3	0	0	0	3
<i>Other-Residential</i>	2	0	0	0	2
<i>Commercial</i>	10	1	0	0	11
<i>Educational</i>	2	0	0	0	2
<i>Commuting</i>	0	0	0	0	0
<i>Hotels</i>	0	0	0	0	0
<i>Industrial</i>	2	0	0	0	2
<b>Total Casualties - 2pm</b>	<b>18</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>19</b>
<b>Casualties - 5pm</b>					
<i>Commercial</i>	7	0	0	0	8
<i>Other-Residential</i>	2	0	0	0	2
<i>Single Family</i>	3	0	0	0	3
<i>Educational</i>	0	0	0	0	0
<i>Commuting</i>	0	0	0	0	1

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Solano</b>					
<b>Casualties - 5pm</b>					
<i>Hotels</i>	0	0	0	0	0
<i>Industrial</i>	1	0	0	0	1
<b>Total Casualties - 5pm</b>	<b>14</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>16</b>
<b>Sonoma</b>					
<b>Casualties - 2am</b>					
<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>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
<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>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
<i>Commercial</i>	1	0	0	0	1
<b>Total Casualties - 2pm</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>
<b>Casualties - 5pm</b>					
<i>Single Family</i>	0	0	0	0	0
<i>Commercial</i>	1	0	0	0	1
<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 - 5pm</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
<b>Stanislaus</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>Single Family</i>	2	0	0	0	2
<i>Other-Residential</i>	2	0	0	0	2
<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>Stanislaus</b>					
<b>Total Casualties - 2am</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5</b>
<b>Casualties - 2pm</b>					
<i>Industrial</i>	1	0	0	0	1
<i>Other-Residential</i>	1	0	0	0	1
<i>Commercial</i>	4	0	0	0	4
<i>Commuting</i>	0	0	0	0	0
<i>Educational</i>	1	0	0	0	1
<i>Single Family</i>	1	0	0	0	1
<i>Hotels</i>	0	0	0	0	0
<b>Total Casualties - 2pm</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>
<b>Casualties - 5pm</b>					
<i>Industrial</i>	0	0	0	0	0
<i>Other-Residential</i>	1	0	0	0	1
<i>Commuting</i>	0	0	0	0	0
<i>Single Family</i>	1	0	0	0	1
<i>Commercial</i>	3	0	0	0	3
<i>Hotels</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<b>Total Casualties - 5pm</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5</b>
<b>Sutter</b>					
<b>Casualties - 2am</b>					
<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
<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>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>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 - 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

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Sutter</b>					
<b>Casualties - 5pm</b>					
<i>Educational</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>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>Tulare</b>					
<b>Casualties - 2am</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>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>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 - 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>Commuting</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>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>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>Tuolumne</b>					
<b>Casualties - 2am</b>					
<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
<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
<i>Industrial</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>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>Hotels</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
<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>					
<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>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 - 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>Hotels</i>	0	0	0	0	0
<i>Educational</i>	0	0	0	0	0
<i>Commuting</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
<b>Total Casualties - 2pm</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>

	Injury Severity Level				Total
	Severity 1	Severity 2	Severity 3	Severity 4	
<b>California</b>					
<b>Yolo</b>					
<b>Casualties - 5pm</b>					
<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
<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>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</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>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
<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>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>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>Commercial</i>	0	0	0	0	0
<i>Commuting</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>

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### Injury Severity Level

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Severity 1

Severity 2

Severity 3

Severity 4

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.*

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## Debris Summary Report

April 29, 2024

All values are in thousands of tons.

	Brick, Wood & Others	Concrete & Steel	Total
<b>California</b>			
Fresno	0	0	0
Butte	0	0	0
Alameda	723	1,287	2,011
Solano	16	19	35
San Mateo	33	38	71
Tuolumne	0	0	0
Kings	0	0	0
San Joaquin	34	13	46
San Luis Obispo	0	0	0
Nevada	0	0	0
Madera	0	0	0
Tulare	0	0	0
Colusa	0	0	0
Napa	3	3	5
Mendocino	0	0	0
Contra Costa	266	368	634
El Dorado	0	0	0
Kern	0	0	0
Amador	0	0	0

	Brick, Wood & Others	Concrete & Steel	Total
Santa Cruz	20	27	47
Lake	0	0	0
Monterey	25	33	57
Sacramento	3	2	6
Mariposa	0	0	0
Yolo	1	1	1
Calaveras	0	0	0
Yuba	0	0	0
Glenn	0	0	0
Stanislaus	6	5	12
Sonoma	2	1	3
Santa Clara	583	920	1,503
San Benito	48	106	154
San Francisco	263	132	395
Merced	4	5	10
Placer	0	0	0
Marin	4	3	6
Sutter	0	0	0
<b>Total</b>	<b>2,034</b>	<b>2,963</b>	<b>4,997</b>
<b>Region Total</b>	<b>2,034</b>	<b>2,963</b>	<b>4,997</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

April 29, 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>										
Contra Costa	742,075	4,444,875	1,958,149	119,571	2.37	287,492	152,143	195,940	161,395	8,061,640
Mendocino	0	1	1	0	0.00	0	0	0	0	2
Napa	5,017	46,104	24,190	2,746	0.15	958	768	959	1,011	81,753
Colusa	8	149	101	19	0.00	1	3	3	3	286
Alameda	1,713,088	8,248,207	3,733,588	261,338	3.00	733,729	428,631	577,399	432,760	16,128,741
Nevada	0	0	0	0	0.00	0	0	0	0	1
San Joaquin	37,560	278,087	150,519	18,050	0.23	9,545	4,436	5,568	6,326	510,091
Tuolumne	0	26	19	2	0.00	0	0	0	0	47
Tulare	1	45	34	10	0.00	0	0	0	0	90

	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>Madera</b>	216	2,488	1,442	312	0.01	20	13	16	28	4,535
<b>Butte</b>	8	100	68	11	0.00	1	1	1	1	191
<b>Fresno</b>	380	7,510	4,793	870	0.00	49	53	55	68	13,778
<b>Kings</b>	11	483	328	44	0.00	2	3	4	4	878
<b>San Luis Obispo</b>	4	135	88	9	0.00	0	2	1	2	241
<b>Solano</b>	33,631	252,186	126,281	12,363	0.35	8,176	6,576	8,254	6,634	454,102
<b>San Mateo</b>	88,447	688,618	336,490	24,580	0.50	20,872	15,955	19,314	21,800	1,216,077
<b>Yolo</b>	1,293	21,176	13,051	1,175	0.05	167	228	274	276	37,640
<b>Glenn</b>	1	9	7	4	0.00	0	0	0	0	21
<b>San Benito</b>	125,416	637,499	278,308	23,928	5.76	51,403	29,368	35,663	20,915	1,202,501
<b>San Francisco</b>	275,575	742,182	363,187	20,816	0.66	122,859	77,386	90,484	118,767	1,811,256
<b>Stanislaus</b>	11,453	114,903	65,598	9,091	0.13	2,139	1,312	1,524	2,062	208,082
<b>Sutter</b>	26	535	349	86	0.00	2	1	2	3	1,004
<b>Santa Clara</b>	1,542,895	8,284,087	3,827,425	292,950	2.58	528,179	360,651	413,457	333,118	15,582,761
<b>Sonoma</b>	2,636	27,519	14,960	2,144	0.03	437	503	553	467	49,218
<b>Calaveras</b>	5	112	83	27	0.00	0	2	1	1	231
<b>Yuba</b>	7	263	166	20	0.00	1	2	2	2	464
<b>Merced</b>	14,482	50,778	31,206	12,230	0.13	1,914	877	785	748	113,021

	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	
Placer	16	1,188	796	85	0.00	2	4	4	6	2,101
Marin	7,315	78,953	41,672	3,013	0.14	1,277	1,494	1,601	1,607	136,932
Kern	0	1	0	0	0.00	0	0	0	0	1
El Dorado	0	63	46	3	0.00	0	0	0	0	112
Lake	4	133	74	7	0.00	0	1	1	1	220
Santa Cruz	46,372	236,713	119,046	19,460	0.52	12,056	9,423	11,507	8,307	462,883
Mariposa	0	6	4	0	0.00	0	0	0	0	11
Amador	1	53	38	4	0.00	0	0	0	0	96
Sacramento	4,794	50,054	25,887	2,416	0.02	1,217	1,554	1,837	1,529	89,287
Monterey	51,172	317,879	162,668	27,255	0.48	16,339	8,980	10,498	11,580	606,371
<b>Total</b>	<b>4,703,909</b>	<b>24,533,119</b>	<b>11,280,663</b>	<b>854,638</b>	<b>0.46</b>	<b>1,798,840</b>	<b>1,100,370</b>	<b>1,375,707</b>	<b>1,129,420</b>	<b>46,776,665</b>
<b>Region Total</b>	<b>4,703,909</b>	<b>24,533,119</b>	<b>11,280,663</b>	<b>854,638</b>	<b>0.46</b>	<b>1,798,840</b>	<b>1,100,370</b>	<b>1,375,707</b>	<b>1,129,420</b>	<b>46,776,665</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

April 29, 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	168,539	25,411	145					194,096
Tunnels	2,024	0	0					2,024
Facilities		7,945	0	344	27,966	590	58,931	95,777
<b>Total</b>	<b>170,563</b>	<b>33,356</b>	<b>145</b>	<b>344</b>	<b>27,966</b>	<b>590</b>	<b>58,931</b>	<b>291,896</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
<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	0	0	0					0
Tunnels	0	0	0					0
Facilities		0	0	0	0	0	11	11

	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>11</b>	<b>12</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	1	0	0					1
Tunnels	0	0	0					0
Facilities		0	0	0	0	0	51	51
<b>Total</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>51</b>	<b>52</b>
<b>Contra Costa</b>								
Segments	0	0	0					0
Bridges	94,507	6,585	72					101,163
Tunnels	892	92	0					983
Facilities		2,859	2,321	0	32,313	449	3,862	41,803
<b>Total</b>	<b>95,398</b>	<b>9,536</b>	<b>2,392</b>	<b>0</b>	<b>32,313</b>	<b>449</b>	<b>3,862</b>	<b>143,950</b>
<b>El Dorado</b>								
Segments	0	0	0					0
Bridges	0	0	0					0
Tunnels	0	0	0					0
Facilities		0	0	7	0	0	191	198

	Highway	Railway	Light Rail	Bus Facility	Ports	Ferries	Airport	Total
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>191</b>	<b>198</b>
<b>Fresno</b>								
Segments	0	0	0					0
Bridges	168	1	0					169
Tunnels	0	0	0					0
Facilities		231	0	21	0	0	1,306	1,558
<b>Total</b>	<b>168</b>	<b>231</b>	<b>0</b>	<b>21</b>	<b>0</b>	<b>0</b>	<b>1,306</b>	<b>1,727</b>
<b>Glenn</b>								
Segments	0	0	0					0
Bridges	0	0	0					0
Tunnels	0	0	0					0
Facilities		0	0	0	37	0	6	42
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>37</b>	<b>0</b>	<b>6</b>	<b>43</b>
<b>Kern</b>								
Segments	0	0	0					0
Bridges	1	0	0					1
Tunnels	0	0	0					0
Facilities		14	0	5	0	0	46	65
<b>Total</b>	<b>1</b>	<b>14</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>46</b>	<b>66</b>
<b>Kings</b>								
Segments	0	0	0					0
Bridges	0	0	0					0
Tunnels	0	0	0					0
Facilities		128	0	41	0	0	359	529

	Highway	Railway	Light Rail	Bus Facility	Ports	Ferries	Airport	Total
<b>Total</b>	<b>0</b>	<b>128</b>	<b>0</b>	<b>41</b>	<b>0</b>	<b>0</b>	<b>359</b>	<b>529</b>
<b>Lake</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	57	57
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>57</b>	<b>57</b>
<b>Madera</b>								
<i>Segments</i>	0	0	0					0
<i>Bridges</i>	16	0	0					16
<i>Tunnels</i>	0	0	0					0
<i>Facilities</i>		26	0	21	0	0	102	149
<b>Total</b>	<b>16</b>	<b>26</b>	<b>0</b>	<b>21</b>	<b>0</b>	<b>0</b>	<b>102</b>	<b>164</b>
<b>Marin</b>								
<i>Segments</i>	0	0	0					0
<i>Bridges</i>	2,044	2	0					2,046
<i>Tunnels</i>	3	0	0					3
<i>Facilities</i>		0	0	556	5,865	502	400	7,323
<b>Total</b>	<b>2,047</b>	<b>2</b>	<b>0</b>	<b>556</b>	<b>5,865</b>	<b>502</b>	<b>400</b>	<b>9,372</b>
<b>Mariposa</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	10	0	0	51	61

	Highway	Railway	Light Rail	Bus Facility	Ports	Ferries	Airport	Total
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>51</b>	<b>61</b>
<b>Mendocino</b>								
Segments	0	0	0					0
Bridges	0	0	0					0
Tunnels	0	0	0					0
Facilities		0	0	8	4	0	23	34
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>4</b>	<b>0</b>	<b>23</b>	<b>34</b>
<b>Merced</b>								
Segments	0	0	0					0
Bridges	734	21	0					755
Tunnels	0	0	0					0
Facilities		51	0	21	0	0	1,275	1,347
<b>Total</b>	<b>734</b>	<b>73</b>	<b>0</b>	<b>21</b>	<b>0</b>	<b>0</b>	<b>1,275</b>	<b>2,102</b>
<b>Monterey</b>								
Segments	0	0	0					0
Bridges	1,727	124	0					1,850
Tunnels	1	0	0					1
Facilities		295	0	1,228	469	0	2,861	4,853
<b>Total</b>	<b>1,728</b>	<b>418</b>	<b>0</b>	<b>1,228</b>	<b>469</b>	<b>0</b>	<b>2,861</b>	<b>6,705</b>
<b>Napa</b>								
Segments	0	0	0					0
Bridges	67	46	0					113
Tunnels	0	0	0					0
Facilities		0	0	93	997	0	1,059	2,149

	Highway	Railway	Light Rail	Bus Facility	Ports	Ferries	Airport	Total
<b>Total</b>	<b>67</b>	<b>46</b>	<b>0</b>	<b>93</b>	<b>997</b>	<b>0</b>	<b>1,059</b>	<b>2,262</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	11	14
<b>Total</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>14</b>
<b>Placer</b>								
Segments	0	0	0					0
Bridges	0	0	0					0
Tunnels	0	0	0					0
Facilities		80	0	2	0	0	68	150
<b>Total</b>	<b>0</b>	<b>80</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>68</b>	<b>150</b>
<b>Sacramento</b>								
Segments	0	0	0					0
Bridges	425	0	0					425
Tunnels	0	0	0					0
Facilities		26	3,204	43	5,482	100	4,364	13,218
<b>Total</b>	<b>425</b>	<b>26</b>	<b>3,204</b>	<b>43</b>	<b>5,482</b>	<b>100</b>	<b>4,364</b>	<b>13,643</b>
<b>San Benito</b>								
Segments	0	0	0					0
Bridges	10,932	5,064	0					15,996
Tunnels	0	0	0					0
Facilities		0	0	0	0	0	4,414	4,414

	Highway	Railway	Light Rail	Bus Facility	Ports	Ferries	Airport	Total
<b>Total</b>	<b>10,932</b>	<b>5,064</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,414</b>	<b>20,410</b>
<b>San Francisco</b>								
Segments	0	0	0					0
Bridges	18,550	40	0					18,591
Tunnels	119	0	0					119
Facilities		0	292,408	559	23,068	542	2,886	319,463
<b>Total</b>	<b>18,670</b>	<b>40</b>	<b>292,408</b>	<b>559</b>	<b>23,068</b>	<b>542</b>	<b>2,886</b>	<b>338,173</b>
<b>San Joaquin</b>								
Segments	0	0	0					0
Bridges	2,135	60	0					2,196
Tunnels	0	0	0					0
Facilities		1,748	0	91	9,612	402	2,605	14,457
<b>Total</b>	<b>2,135</b>	<b>1,808</b>	<b>0</b>	<b>91</b>	<b>9,612</b>	<b>402</b>	<b>2,605</b>	<b>16,653</b>
<b>San Luis Obispo</b>								
Segments	0	0	0					0
Bridges	1	0	0					1
Tunnels	0	0	0					0
Facilities		31	0	23	163	0	141	358
<b>Total</b>	<b>1</b>	<b>31</b>	<b>0</b>	<b>23</b>	<b>163</b>	<b>0</b>	<b>141</b>	<b>360</b>
<b>San Mateo</b>								
Segments	0	0	0					0
Bridges	30,646	89	0					30,735
Tunnels	36	0	0					36
Facilities		0	0	0	7,201	0	100,635	107,836

	Highway	Railway	Light Rail	Bus Facility	Ports	Ferries	Airport	Total
<b>Total</b>	<b>30,682</b>	<b>89</b>	<b>0</b>	<b>0</b>	<b>7,201</b>	<b>0</b>	<b>100,635</b>	<b>138,607</b>
<b>Santa Clara</b>								
Segments	0	0	0					0
Bridges	167,699	10,762	28					178,488
Tunnels	176	0	0					176
Facilities		2,410	125,985	1,005	4,014	0	83,919	217,334
<b>Total</b>	<b>167,874</b>	<b>13,172</b>	<b>126,013</b>	<b>1,005</b>	<b>4,014</b>	<b>0</b>	<b>83,919</b>	<b>395,998</b>
<b>Santa Cruz</b>								
Segments	0	0	0					0
Bridges	833	119	0					952
Tunnels	0	0	0					0
Facilities		0	0	352	288	0	2,956	3,596
<b>Total</b>	<b>833</b>	<b>119</b>	<b>0</b>	<b>352</b>	<b>288</b>	<b>0</b>	<b>2,956</b>	<b>4,548</b>
<b>Solano</b>								
Segments	0	0	0					0
Bridges	3,889	810	0					4,699
Tunnels	0	0	0					0
Facilities		697	0	511	14,561	402	1,348	17,517
<b>Total</b>	<b>3,889</b>	<b>1,507</b>	<b>0</b>	<b>511</b>	<b>14,561</b>	<b>402</b>	<b>1,348</b>	<b>22,217</b>
<b>Sonoma</b>								
Segments	0	0	0					0
Bridges	283	54	0					337
Tunnels	0	0	0					0
Facilities		0	0	23	508	0	833	1,363

	Highway	Railway	Light Rail	Bus Facility	Ports	Ferries	Airport	Total
<b>Total</b>	<b>283</b>	<b>54</b>	<b>0</b>	<b>23</b>	<b>508</b>	<b>0</b>	<b>833</b>	<b>1,700</b>
<b>Stanislaus</b>								
Segments	0	0	0					0
Bridges	461	19	0					479
Tunnels	0	0	0					0
Facilities		655	0	183	0	0	999	1,837
<b>Total</b>	<b>461</b>	<b>674</b>	<b>0</b>	<b>183</b>	<b>0</b>	<b>0</b>	<b>999</b>	<b>2,316</b>
<b>Sutter</b>								
Segments	0	0	0					0
Bridges	20	0	0					20
Tunnels	0	0	0					0
Facilities		0	0	0	0	0	129	129
<b>Total</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>129</b>	<b>149</b>
<b>Tulare</b>								
Segments	0	0	0					0
Bridges	1	0	0					1
Tunnels	0	0	0					0
Facilities		0	0	7	0	0	28	35
<b>Total</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>28</b>	<b>36</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	108	108

	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>108</b>	<b>108</b>
<b>Yolo</b>								
Segments	0	0	0					0
Bridges	325	0	0					325
Tunnels	0	0	0					0
Facilities		212	0	0	983	0	319	1,514
<b>Total</b>	<b>325</b>	<b>212</b>	<b>0</b>	<b>0</b>	<b>983</b>	<b>0</b>	<b>319</b>	<b>1,839</b>
<b>Yuba</b>								
Segments	0	0	0					0
Bridges	0	0	0					0
Tunnels	0	0	0					0
Facilities		0	0	22	0	0	102	124
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>22</b>	<b>0</b>	<b>0</b>	<b>102</b>	<b>124</b>
<b>Total</b>	<b>507,255</b>	<b>66,709</b>	<b>424,162</b>	<b>5,173</b>	<b>133,531</b>	<b>2,988</b>	<b>276,609</b>	<b>1,416,428</b>
<b>Region Total</b>	<b>507,255</b>	<b>66,709</b>	<b>424,162</b>	<b>5,173</b>	<b>133,531</b>	<b>2,988</b>	<b>276,609</b>	<b>1,416,428</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

April 29, 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>	15,160	318,205	0	0	630,904	810	965,079
<i>Pipelines</i>	11,639	5,847	0	0			17,486
<b>Total</b>	<b>26,799</b>	<b>324,052</b>	<b>0</b>	<b>0</b>	<b>630,904</b>	<b>810</b>	<b>982,564</b>
<b>Amador</b>							
<i>Facilities</i>	0	3	0	0	5,624	0	5,626
<i>Pipelines</i>	21	10	0	0			31
<b>Total</b>	<b>21</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>5,624</b>	<b>0</b>	<b>5,657</b>
<b>Butte</b>							
<i>Facilities</i>	0	128	0	0	1,918	0	2,046
<i>Pipelines</i>	30	15	0	0			45
<b>Total</b>	<b>30</b>	<b>143</b>	<b>0</b>	<b>0</b>	<b>1,918</b>	<b>0</b>	<b>2,092</b>
<b>Calaveras</b>							
<i>Facilities</i>	28	492	0	0	14,339	0	14,860

	Potable Water	Waste Water	Oil Systems	Natural Gas	Electric Power	Communication	Total
<i>Pipelines</i>	35	17	0	0			52
<b>Total</b>	63	509	0	0	14,339	0	14,912
<b>Colusa</b>							
<i>Facilities</i>	0	369	0	3	731	0	1,103
<i>Pipelines</i>	31	15	0	0			46
<b>Total</b>	31	384	0	3	731	0	1,148
<b>Contra Costa</b>							
<i>Facilities</i>	26,693	126,805	79	0	1,476,682	286	1,630,545
<i>Pipelines</i>	8,919	4,480	0	0			13,400
<b>Total</b>	35,612	131,285	79	0	1,476,682	286	1,643,944
<b>El Dorado</b>							
<i>Facilities</i>	1	371	0	0	1,532	1	1,904
<i>Pipelines</i>	46	23	0	0			69
<b>Total</b>	47	394	0	0	1,532	1	1,973
<b>Fresno</b>							
<i>Facilities</i>	0	492	0	13	66,019	3	66,527
<i>Pipelines</i>	329	165	0	0			494
<b>Total</b>	329	657	0	13	66,019	3	67,021
<b>Glenn</b>							
<i>Facilities</i>	0	123	0	0	2	0	125
<i>Pipelines</i>	21	11	0	0			32

	Potable Water	Waste Water	Oil Systems	Natural Gas	Electric Power	Communication	Total
<b>Total</b>	21	133	0	0	2	0	157
<b>Kern</b>							
<i>Facilities</i>	1	3	0	6	1,769	0	1,778
<i>Pipelines</i>	79	40	0	0			119
<b>Total</b>	80	42	0	6	1,769	0	1,897
<b>Kings</b>							
<i>Facilities</i>	0	0	0	134	6,292	1	6,427
<i>Pipelines</i>	78	39	0	0			117
<b>Total</b>	78	39	0	134	6,292	1	6,544
<b>Lake</b>							
<i>Facilities</i>	56	0	0	0	5,226	1	5,283
<i>Pipelines</i>	46	23	0	0			69
<b>Total</b>	102	23	0	0	5,226	1	5,352
<b>Madera</b>							
<i>Facilities</i>	0	0	0	0	1,347	0	1,347
<i>Pipelines</i>	94	47	0	0			141
<b>Total</b>	94	47	0	0	1,347	0	1,488
<b>Marin</b>							
<i>Facilities</i>	348	32,428	0	0	770	29	33,576
<i>Pipelines</i>	136	68	0	0			204
<b>Total</b>	484	32,497	0	0	770	29	33,780

	Potable Water	Waste Water	Oil Systems	Natural Gas	Electric Power	Communication	Total
<b>Mariposa</b>							
<i>Facilities</i>	0	131	0	0	2,808	2	2,940
<i>Pipelines</i>	24	12	0	0			36
<b>Total</b>	24	143	0	0	2,808	2	2,976
<b>Mendocino</b>							
<i>Facilities</i>	0	133	0	0	5	0	139
<i>Pipelines</i>	48	24	0	0			72
<b>Total</b>	48	157	0	0	5	0	210
<b>Merced</b>							
<i>Facilities</i>	0	7,709	0	0	374,812	22	382,544
<i>Pipelines</i>	428	215	0	0			643
<b>Total</b>	428	7,924	0	0	374,812	22	383,186
<b>Monterey</b>							
<i>Facilities</i>	0	40,733	0	0	341,473	470	382,676
<i>Pipelines</i>	871	437	0	0			1,308
<b>Total</b>	871	41,170	0	0	341,473	470	383,984
<b>Napa</b>							
<i>Facilities</i>	0	11,878	0	0	312	8	12,198
<i>Pipelines</i>	73	37	0	0			110
<b>Total</b>	73	11,915	0	0	312	8	12,308
<b>Nevada</b>							

	Potable Water	Waste Water	Oil Systems	Natural Gas	Electric Power	Communication	Total
<i>Facilities</i>	0	18	0	0	44	0	62
<i>Pipelines</i>	15	8	0	0			23
<b>Total</b>	15	26	0	0	44	0	85
<b>Placer</b>							
<i>Facilities</i>	0	1,109	0	0	3,613	1	4,722
<i>Pipelines</i>	49	25	0	0			74
<b>Total</b>	49	1,134	0	0	3,613	1	4,796
<b>Sacramento</b>							
<i>Facilities</i>	0	8,236	0	0	27,041	26	35,303
<i>Pipelines</i>	226	113	0	0			339
<b>Total</b>	226	8,350	0	0	27,041	26	35,643
<b>San Benito</b>							
<i>Facilities</i>	0	65,700	0	0	0	186	65,886
<i>Pipelines</i>	3,295	1,655	0	0			4,950
<b>Total</b>	3,295	67,355	0	0	0	186	70,836
<b>San Francisco</b>							
<i>Facilities</i>	0	46,462	0	0	4,060	98	50,620
<i>Pipelines</i>	252	127	0	0			379
<b>Total</b>	252	46,589	0	0	4,060	98	50,999
<b>San Joaquin</b>							
<i>Facilities</i>	1,101	16,451	6	0	116,395	48	134,002

	Potable Water	Waste Water	Oil Systems	Natural Gas	Electric Power	Communication	Total
<i>Pipelines</i>	534	268	0	0			802
<b>Total</b>	1,635	16,720	6	0	116,395	48	134,804
<b>San Luis Obispo</b>							
<i>Facilities</i>	28	382	0	0	13,743	1	14,154
<i>Pipelines</i>	106	53	0	0			159
<b>Total</b>	134	435	0	0	13,743	1	14,312
<b>San Mateo</b>							
<i>Facilities</i>	0	71,060	0	0	14,989	99	86,149
<i>Pipelines</i>	646	324	0	0			970
<b>Total</b>	646	71,384	0	0	14,989	99	87,119
<b>Santa Clara</b>							
<i>Facilities</i>	8,379	60,717	0	0	1,158,825	760	1,228,681
<i>Pipelines</i>	11,289	5,671	0	0			16,960
<b>Total</b>	19,668	66,388	0	0	1,158,825	760	1,245,641
<b>Santa Cruz</b>							
<i>Facilities</i>	0	18,658	0	0	2,945	65	21,668
<i>Pipelines</i>	494	248	0	0			742
<b>Total</b>	494	18,907	0	0	2,945	65	22,410
<b>Solano</b>							
<i>Facilities</i>	0	37,527	17	0	346,756	38	384,337
<i>Pipelines</i>	787	395	0	0			1,182

	Potable Water	Waste Water	Oil Systems	Natural Gas	Electric Power	Communication	Total
<b>Total</b>	787	37,922	17	0	346,756	38	385,519
<b>Sonoma</b>							
<i>Facilities</i>	0	7,046	0	0	39,226	7	46,279
<i>Pipelines</i>	173	87	0	0			259
<b>Total</b>	173	7,132	0	0	39,226	7	46,538
<b>Stanislaus</b>							
<i>Facilities</i>	0	8,988	0	0	78,971	51	88,010
<i>Pipelines</i>	286	144	0	0			429
<b>Total</b>	286	9,132	0	0	78,971	51	88,439
<b>Sutter</b>							
<i>Facilities</i>	0	246	0	0	6,808	1	7,055
<i>Pipelines</i>	30	15	0	0			45
<b>Total</b>	30	261	0	0	6,808	1	7,100
<b>Tulare</b>							
<i>Facilities</i>	1	8	0	0	224	0	233
<i>Pipelines</i>	96	48	0	0			144
<b>Total</b>	97	56	0	0	224	0	377
<b>Tuolumne</b>							
<i>Facilities</i>	0	123	0	0	14,077	1	14,201
<i>Pipelines</i>	34	17	0	0			51
<b>Total</b>	34	140	0	0	14,077	1	14,252

	Potable Water	Waste Water	Oil Systems	Natural Gas	Electric Power	Communication	Total
<b>Yolo</b>							
<i>Facilities</i>	0	3,295	0	0	1,937	10	5,242
<i>Pipelines</i>	105	53	0	0			158
<b>Total</b>	105	3,348	0	0	1,937	10	5,400
<b>Yuba</b>							
<i>Facilities</i>	0	371	0	0	840	0	1,212
<i>Pipelines</i>	22	11	0	0			32
<b>Total</b>	22	382	0	0	840	0	1,244
<b>Total</b>	<b>93,179</b>	<b>907,189</b>	<b>102</b>	<b>156</b>	<b>4,763,059</b>	<b>3,023</b>	<b>5,766,708</b>
<b>Region Total</b>	<b>93,179</b>	<b>907,189</b>	<b>102</b>	<b>156</b>	<b>4,763,059</b>	<b>3,023</b>	<b>5,766,708</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.

## Hazus Quick Assessment Report

### Estimated Economic Loss (\$ Billions)

Category	Description	Range
General Building Stock	Building Damage	14.60 - 58.50
	Building Contents	1.80 - 7.20
	Business Interruption	2.70 - 10.80
Infrastructure	Lifelines Damage	
<b>Total</b>		23.40 - 93.60

### Preliminary Damage Assessment (PDA) Estimates

Description	Residential	Commercial	Other	Total
Affected	527,500	37,700	18,900	584,100
Minor	64,900	16,400	8,400	89,700
Major	5,700	3,100	1,700	10,500
Destroyed	560	540	240	1,340
<b>Total</b>	598,660	57,740	29,240	685,640

### Estimated Casualties : Night Time

Severity Level	Description	# Persons
Level 1	Medical Aid	1,300 - 5,000
Level 2	Hospital Care	120 - 500
Level 3	Life-threatening	10 - 40
Level 4	Fatalities	20 - 70

### Estimated Shelter Needs

Type	Households	People
Displaced Households	6,000 - 22,000	15,000 - 55,000
Public Shelter	2,290	5,730

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 : 7.29

Epicenter Latitude/Longitude :  
/

Depth & Type : /U

Name :  
NA

Ground Motion /Attenuation :

Maximum PGA: 1.00

Information Sources:

Comments :

### Population and Building Exposure

Population: 16,396,729

### Building Exposure : (\$ Millions)

Residential	2,034,748
Commercial	551,895
Other	496,091
<b>Total</b>	<b>3,082,734</b>

Counties : See Appendix

Major Metro Area :

## Hazus Quick Assessment Report

### Estimated Economic Loss (\$ Billions)

Category	Description	Range
General Building Stock	Building Damage	14.60 - 58.50
	Building Contents	1.80 - 7.20
	Business Interruption	2.70 - 10.80
Infrastructure	Lifelines Damage	
<b>Total</b>		23.40 - 93.60

### Preliminary Damage Assessment (PDA) Estimates

Description	Residential	Commercial	Other	Total
Affected	527,500	37,700	18,900	584,100
Minor	64,900	16,400	8,400	89,700
Major	5,700	3,100	1,700	10,500
Destroyed	560	540	240	1,340
<b>Total</b>	598,660	57,740	29,240	685,640

### Estimated Casualties : Day Time

Severity Level	Description	# Persons
Level 1	Medical Aid	2,000 - 9,000
Level 2	Hospital Care	400 - 1,400
Level 3	Life-threatening	40 - 160
Level 4	Fatalities	70 - 300

### Estimated Shelter Needs

Type	Households	People
Displaced Households	6,000 - 22,000	15,000 - 55,000
Public Shelter	2,290	5,730

Comments :

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### Earthquake Information

Location :

Origin Time:

Magnitude : 7.29

Epicenter Latitude/Longitude :  
/

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Name :  
NA

Ground Motion /Attenuation :

Maximum PGA: 1.00

Information Sources:

Comments :

### Population and Building Exposure

Population: 16,396,729

### Building Exposure : (\$ Millions)

Residential	2,034,748
Commercial	551,895
Other	496,091
<b>Total</b>	<b>3,082,734</b>

Counties : See Appendix

Major Metro Area :

## Hazus Quick Assessment Report

### Estimated Economic Loss (\$ Billions)

Category	Description	Range
General Building Stock	Building Damage	14.60 - 58.50
	Building Contents	1.80 - 7.20
	Business Interruption	2.70 - 10.80
Infrastructure	Lifelines Damage	
<b>Total</b>		23.40 - 93.60

### Preliminary Damage Assessment (PDA) Estimates

Description	Residential	Commercial	Other	Total
Affected	527,500	37,700	18,900	584,100
Minor	64,900	16,400	8,400	89,700
Major	5,700	3,100	1,700	10,500
Destroyed	560	540	240	1,340
<b>Total</b>	598,660	57,740	29,240	685,640

### Estimated Casualties : Commute Time

Severity Level	Description	# Persons
Level 1	Medical Aid	1,700 - 7,000
Level 2	Hospital Care	300 - 1,200
Level 3	Life-threatening	120 - 500
Level 4	Fatalities	60 - 300

### Estimated Shelter Needs

Type	Households	People
Displaced Households	6,000 - 22,000	15,000 - 55,000
Public Shelter	2,290	5,730

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 : 7.29

Epicenter Latitude/Longitude :  
/

Depth & Type : /U

Name :  
NA

Ground Motion /Attenuation :

Maximum PGA: 1.00

Information Sources:

Comments :

### Population and Building Exposure

Population: 16,396,729

### Building Exposure : (\$ Millions)

Residential	2,034,748
Commercial	551,895
Other	496,091
<b>Total</b>	<b>3,082,734</b>

Counties : See Appendix

Major Metro Area :

## Shelter Summary Report

April 29, 2024

	# of Displaced Households	# of People Needing Short Term Shelter
<b>California</b>		
Fresno	0	0
Butte	0	0
Alameda	6,183	3,282
Solano	18	9
San Mateo	58	30
Tuolumne	0	0
Kings	0	0
San Joaquin	8	5
San Luis Obispo	0	0
Nevada	0	0
Madera	0	0
Tulare	0	0
Colusa	0	0
Napa	1	0
Mendocino	0	0
Contra Costa	1,293	530
El Dorado	0	0
Kern	0	0
Amador	0	0
Santa Cruz	43	31
Lake	0	0
Monterey	45	32
Sacramento	0	0
Mariposa	0	0
Yolo	0	0
Calaveras	0	0
Yuba	0	0
Glenn	0	0
Stanislaus	1	0
Sonoma	0	0
Santa Clara	2,241	1,296
San Benito	120	74

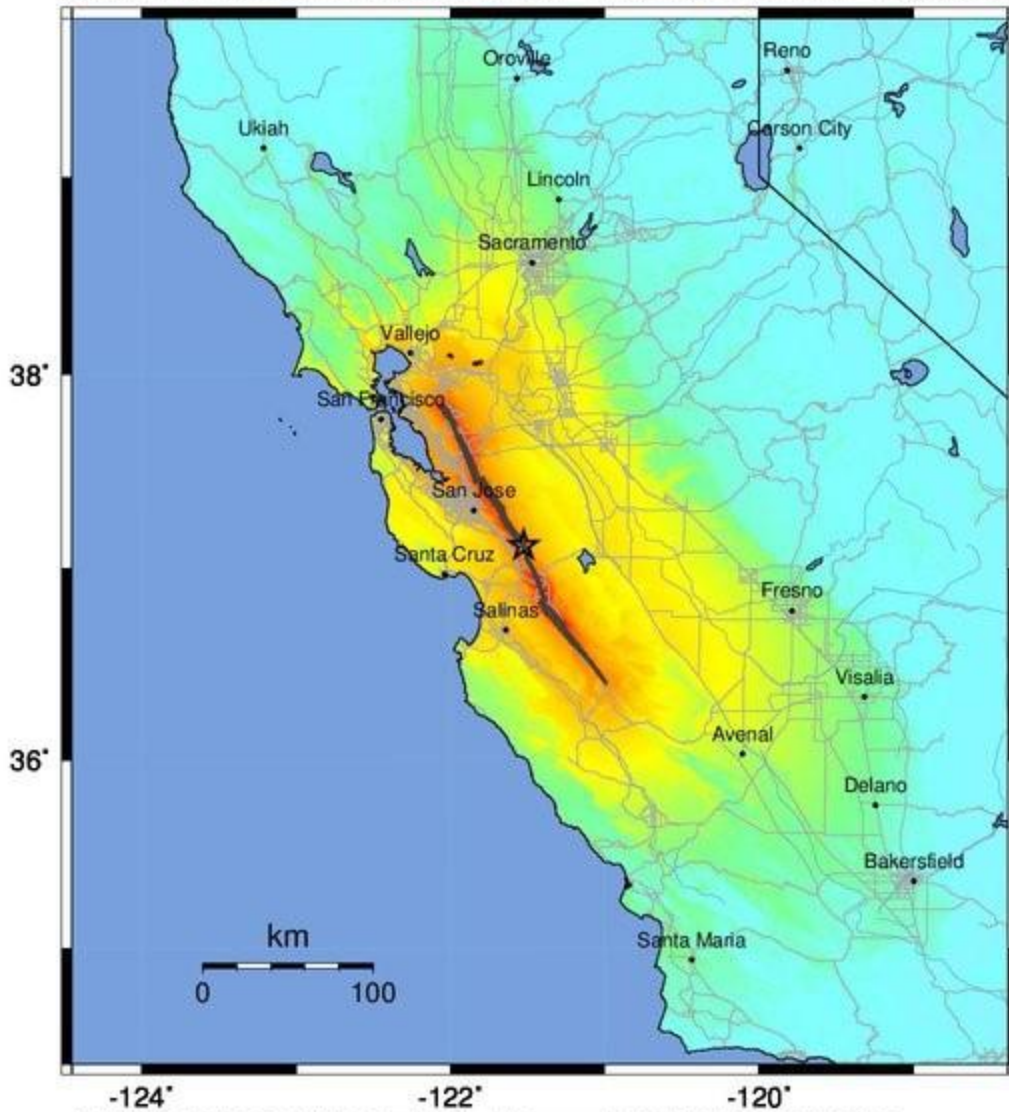
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	<b># of Displaced Households</b>	<b># of People Needing Short Term Shelter</b>
San Francisco	1,022	439
Merced	1	0
Placer	0	0
Marin	1	0
Sutter	0	0
<b>Total</b>	<b>11,034</b>	<b>5,730</b>
<b>Region Total</b>	<b>11,034</b>	<b>5,730</b>

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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.*

-- Earthquake Planning Scenario --  
 ShakeMap for Calaveras: CN+CC+CS+CE - Median ground motions Scenario  
 Scenario Date: Jun 30, 2017 10:03:48 AM MDT M 7.4 N37.12 W121.53 Depth: 8.9km



-124°                      -122°                      -120°  
 PLANNING SCENARIO ONLY -- Map Version 14 Processed 2017-07-03 08:06:06 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)

