



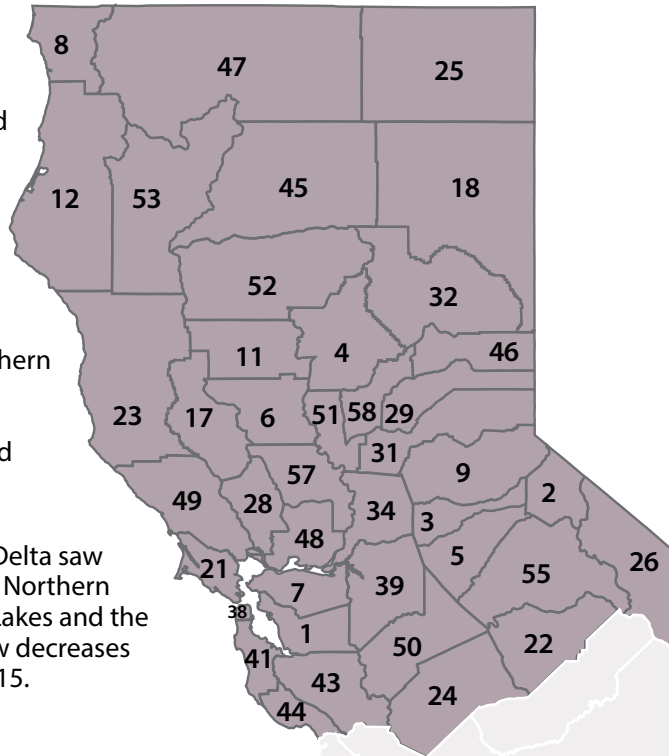
2015 California Recreational Boating Accident General Statistics for Northern California

In 2015, there were 221 boating accidents in Northern California that resulted in 111 injuries and 30 fatalities.

These accidents represented 44% of all accidents statewide, 48% of injuries and 61% of fatalities.

Compared with 2014 Northern California accident totals, accidents decreased 7%, injuries decreased 20% and fatalities increased 11%.

Northern Rivers and the Sacramento-San Joaquin Delta saw increases in accidents. But Northern Coastal Waters, Northern Lakes and the San Francisco Bay Area saw decreases in accidents from 2014-2015.



| County Number | County |
|---------------|---------------|
| 1 | Alameda |
| 2 | Alpine |
| 3 | Amador |
| 4 | Butte |
| 5 | Calaveras |
| 6 | Colusa |
| 7 | Contra Costa |
| 8 | Del Norte |
| 9 | El Dorado |
| 11 | Glenn |
| 12 | Humboldt |
| 17 | Lake |
| 18 | Lassen |
| 21 | Marin |
| 22 | Mariposa |
| 23 | Mendocino |
| 24 | Merced |
| 25 | Modoc |
| 26 | Mono |
| 27 | Monterey |
| 28 | Napa |
| 29 | Nevada |
| 31 | Placer |
| 32 | Plumas |
| 34 | Sacramento |
| 38 | San Francisco |
| 39 | San Joaquin |
| 41 | San Mateo |
| 43 | Santa Clara |
| 44 | Santa Cruz |
| 45 | Shasta |
| 46 | Sierra |
| 47 | Siskiyou |
| 48 | Solano |
| 49 | Sonoma |
| 50 | Stanislaus |
| 51 | Sutter |
| 52 | Tehama |
| 53 | Trinity |
| 55 | Tuolumne |
| 57 | Yolo |
| 58 | Yuba |

Northern California Boating Accidents by Location 2014–2015

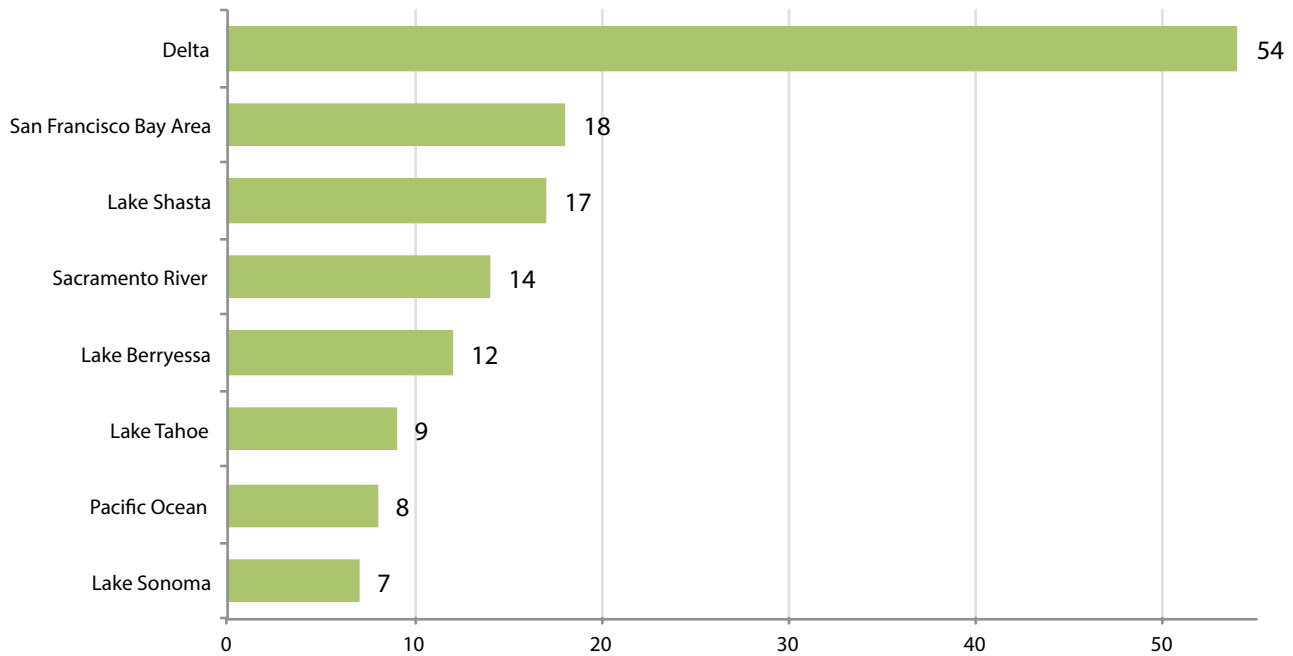
| Location | 2014 | | | 2015 | | |
|------------------------|------------|------------|------------|------------|------------|------------|
| | Accidents | Injuries | Fatalities | Accidents | Injuries | Fatalities |
| Coastal Waters | 22 | 17 | 4 | 15 | 6 | 9 |
| Northern Lakes | 121 | 74 | 10 | 105 | 57 | 8 |
| Northern Rivers | 24 | 8 | 8 | 29 | 24 | 6 |
| Delta | 40 | 31 | 2 | 54 | 21 | 4 |
| San Francisco Bay Area | 31 | 9 | 3 | 18 | 3 | 3 |
| Totals | 238 | 139 | 27 | 221 | 111 | 30 |



NORTHERN CALIFORNIA

2015 Top Northern California Boating Accident Areas

(Total Accidents 139)



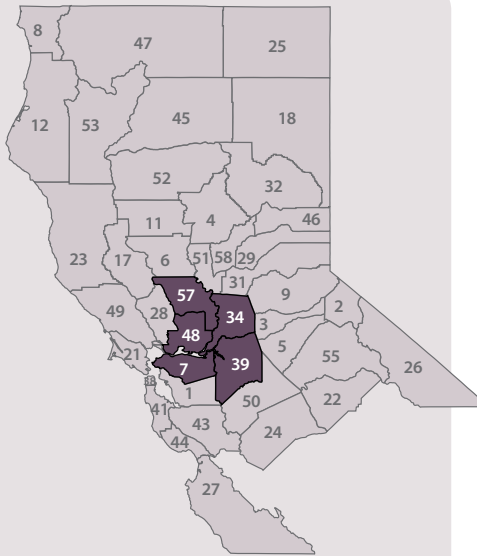
California Delta

Summary Statistics

The Sacramento-San Joaquin Delta had 54 accidents, 21 injuries and 4 fatalities in 2015.

The Delta accounted for 24% of accidents, 19% of injuries and 13% of fatalities in Northern California in 2015.

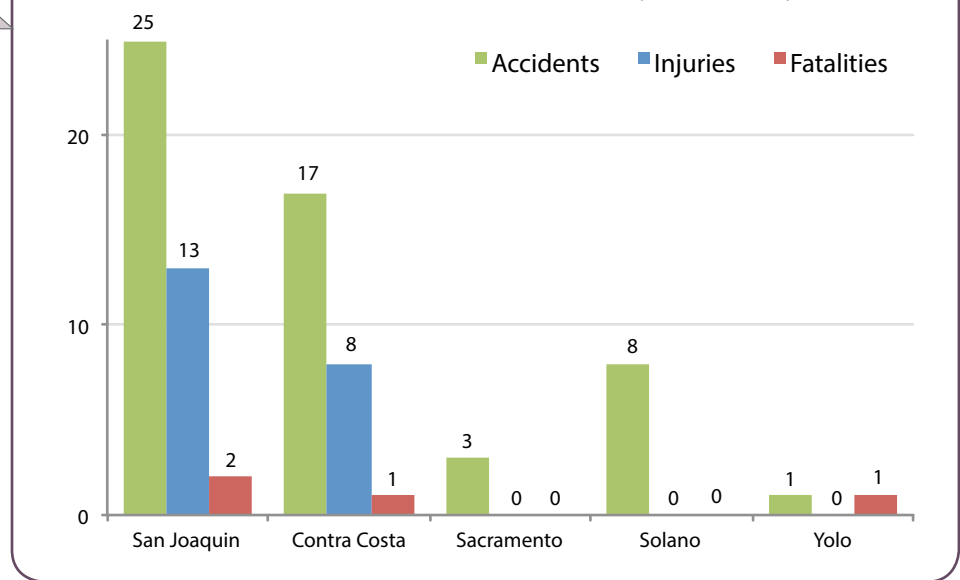
This accounted for 11% of all accidents, 9% of all injuries and 8% of all fatalities in California.



Includes accident statistics for the following counties:

| County Number | County |
|---------------|--------------|
| 7 | Contra Costa |
| 34 | Sacramento |
| 39 | San Joaquin |
| 48 | Solano |
| 57 | Yolo |

2015 Delta Boating Accidents by County



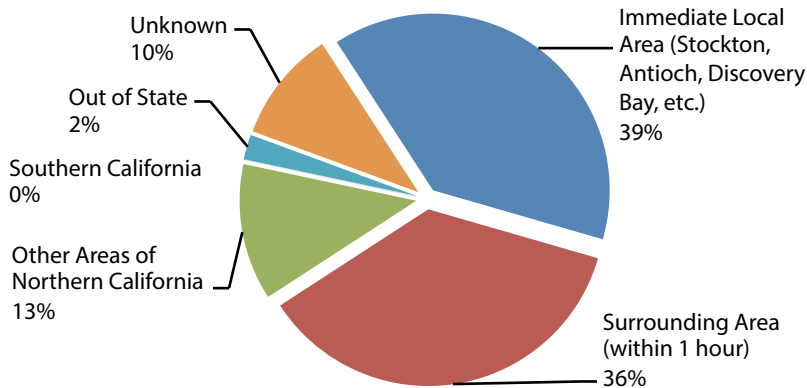
| Delta | 2011 | | | 2012 | | | 2013 | | | 2014 | | | 2015 | | | 5-Year Total | | |
|-----------------------------|-----------|-----------|----------|-----------|-----------|----------|-----------|-----------|----------|-----------|-----------|----------|-----------|-----------|----------|--------------|------------|------------|
| | Acc. | Inj. | Fat. | Acc. | Inj. | Fat. | Acc. | Inj. | Fat. | Acc. | Inj. | Fat. | Acc. | Inj. | Fat. | Acc. | Inj. | Fatalities |
| San Joaquin County | 26 | 10 | 0 | 32 | 11 | 5 | 27 | 13 | 0 | 26 | 14 | 1 | 25 | 13 | 2 | 136 | 61 | 8 |
| Contra Costa County | 19 | 8 | 1 | 19 | 12 | 0 | 17 | 2 | 2 | 9 | 5 | 1 | 17 | 8 | 1 | 81 | 35 | 5 |
| Sacramento County | 4 | 5 | 0 | 6 | 4 | 0 | 7 | 3 | 3 | 2 | 2 | 0 | 3 | 0 | 0 | 22 | 14 | 3 |
| Solano County | 9 | 9 | 1 | 9 | 7 | 0 | 3 | 4 | 0 | 2 | 2 | 0 | 8 | 0 | 0 | 31 | 22 | 1 |
| Yolo County | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 0 | 1 | 0 | 1 | 2 | 8 | 1 |
| Total Delta Combined | 58 | 32 | 2 | 66 | 34 | 5 | 54 | 22 | 5 | 40 | 31 | 2 | 54 | 21 | 4 | 272 | 140 | 18 |



Noteworthy Accident Statistics

| | Delta | Northern California | California |
|---|-------|---------------------|------------|
| Percent of Accidents Involving... | | | |
| Collisions with Other Vessels | 26% | 26% | 34% |
| Flooding/ Swamping | 30% | 23% | 19% |
| Grounding | 20% | 14% | 12% |
| Towing Sport Accidents | 4% | 14% | 9% |
| Operator Inattention | 52% | 17% | 36% |
| Excessive Speed | 30% | 19% | 20% |
| Open Motorboats | 70% | 59% | 48% |
| Percent of Accidents Occurring on... | | | |
| Holiday Weekends | 24% | 14% | 14% |
| Percent of Vessels that are... | | | |
| Operated by Owner | 47% | 43% | 39% |

2015 Residence of Operators/Owners Involved in Accidents in the Delta



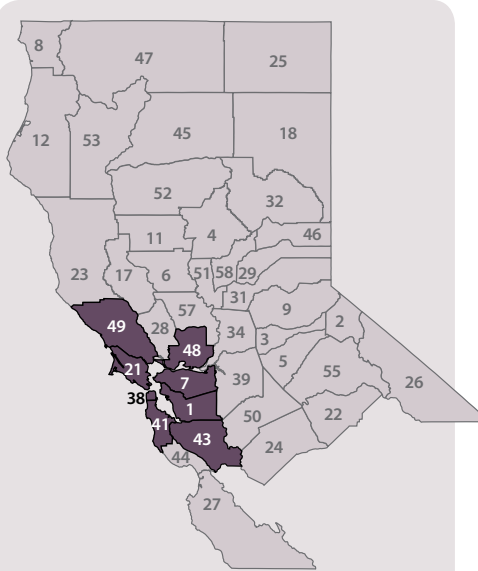
San Francisco Bay Area

Summary Statistics

The San Francisco Bay Area had 18 accidents, 3 injuries and 3 fatalities in 2015.

This accounted for 4% of all accidents, 1% of all injuries and 6% of all fatalities in California.

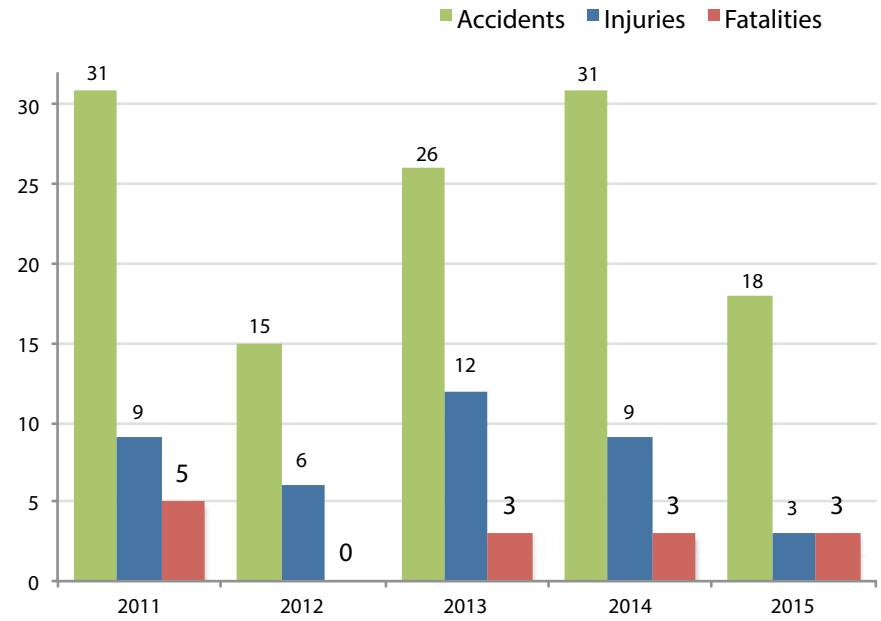
The San Francisco Bay Area accounted for 8% of accidents, 3% of injuries and 10% of fatalities in Northern California in 2015.



Includes accident statistics for the following counties:

| County Number | County |
|---------------|---------------|
| 1 | Alameda |
| 7 | Contra Costa |
| 21 | Marin |
| 38 | San Francisco |
| 41 | San Mateo |
| 43 | Santa Clara |
| 48 | Solano |
| 49 | Sonoma |

2011-2015 San Francisco Bay Area Boating Accidents



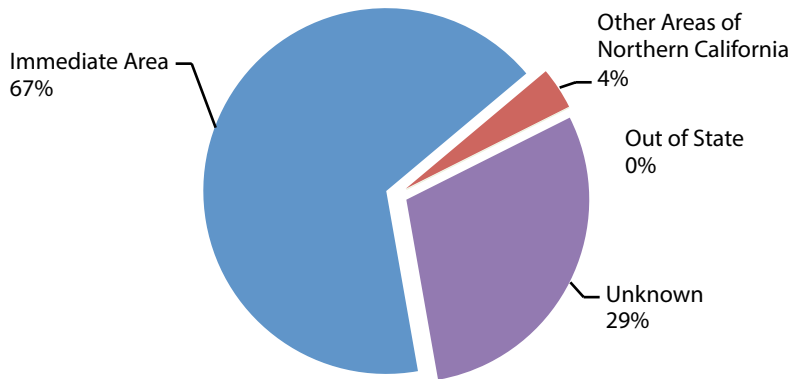
| San Francisco Bay Area | 2011 | | | 2012 | | | 2013 | | | 2014 | | | 2015 | | | 5-Year Total | | |
|------------------------------|-----------|----------|----------|-----------|----------|----------|-----------|-----------|----------|-----------|----------|----------|-----------|----------|----------|--------------|-----------|------------|
| | Acc. | Inj. | Fat. | Acc. | Inj. | Fat. | Acc. | Inj. | Fat. | Acc. | Inj. | Fat. | Acc. | Inj. | Fat. | Acc. | Inj. | Fatalities |
| Alameda | 6 | 0 | 1 | 4 | 2 | 0 | 6 | 3 | 0 | 2 | 0 | 0 | 7 | 0 | 0 | 25 | 5 | 1 |
| Contra Costa | 2 | 0 | 1 | 0 | 0 | 0 | 2 | 1 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 6 | 4 | 1 |
| Marin | 12 | 5 | 1 | 1 | 0 | 0 | 7 | 3 | 2 | 6 | 1 | 1 | 4 | 0 | 1 | 30 | 9 | 5 |
| San Francisco | 7 | 2 | 1 | 6 | 2 | 0 | 7 | 3 | 0 | 15 | 4 | 1 | 6 | 2 | 0 | 41 | 13 | 2 |
| San Mateo | 2 | 2 | 1 | 1 | 1 | 0 | 3 | 2 | 0 | 3 | 1 | 1 | 1 | 1 | 2 | 10 | 7 | 4 |
| Santa Clara | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 |
| Solano | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 1 |
| Sonoma | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| Total SF Bay Combined | 31 | 9 | 5 | 15 | 6 | 0 | 26 | 12 | 3 | 31 | 9 | 3 | 18 | 3 | 3 | 121 | 39 | 14 |



Noteworthy Accident Statistics

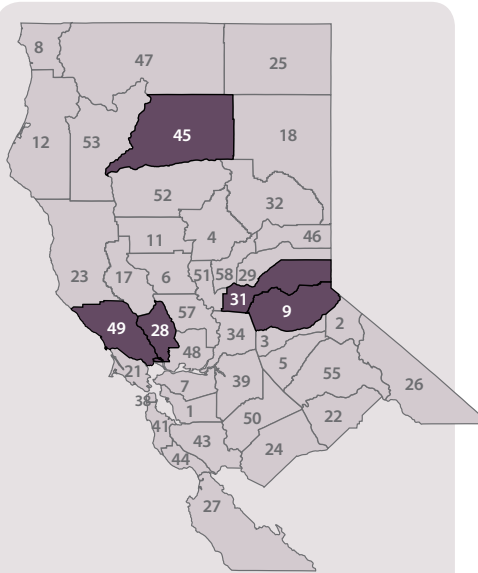
| | SF Bay Area | Northern California | California |
|--|-------------|---------------------|------------|
| Percent of Accidents Involving... | | | |
| Collision with Other Vessels | 44% | 26% | 34% |
| Flooding/ Swamping | 26% | 23% | 19% |
| Sinking | 17% | 13% | 10% |
| Operator Inexperience | 6% | 35% | 24% |
| Auxiliary Sailboats | 44% | 5% | 13% |
| Personal Watercraft | 0% | 16% | 18% |
| Percent of Operators that are... | | | |
| Operating Borrowed Vessels | 4% | 17% | 20% |
| Operating Rented Vessels | 0% | 11% | 11% |
| Over 40 Years Old | 100% | 51% | 53% |

2015 Residence of Operators/Owners Involved in Accidents in the San Francisco Bay Area



Northern Lakes

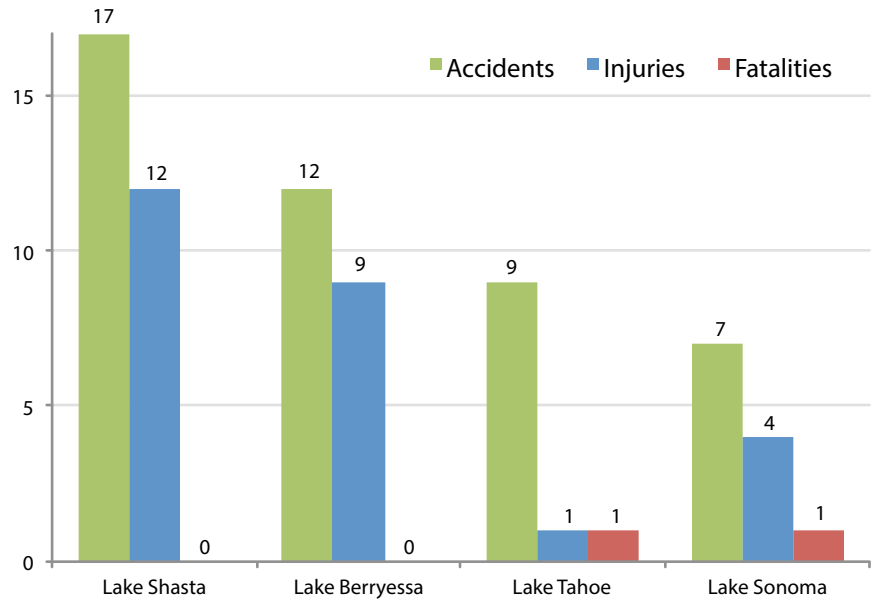
Summary Statistics



Includes accident statistics for the following counties:

| County Number | County |
|---------------|-----------|
| 9 | El Dorado |
| 28 | Napa |
| 31 | Placer |
| 45 | Shasta |
| 49 | Sonoma |

2015 Top Northern Lakes Boating Accidents by Location



2015 Residence of Operators Involved in Accidents

| Area | Lake Shasta | Lake Berryessa | Lake Tahoe | Lake Sonoma |
|------------------------------------|-------------|----------------|------------|-------------|
| Immediate Local Area | 5% | 0% | 23% | 0% |
| Surrounding Area (within 1 hour) | 9% | 37% | 0% | 40% |
| Other areas of Northern California | 50% | 42% | 54% | 60% |
| Southern California | 5% | 0% | 0% | 0% |
| Out of State | 23% | 0% | 23% | 0% |
| Unknown | 9% | 21% | 0% | 0% |



Noteworthy Accident Statistics

| Lake Shasta | Lake Shasta | Northern California | California |
|---|-------------|---------------------|------------|
| Percent of Accidents Involving.... | | | |
| Collision with Vessel | 24% | 26% | 34% |
| Towing Sport Accidents | 29% | 14% | 9% |
| Houseboats | 47% | 8% | 3% |
| Open Motorboats | 47% | 59% | 48% |
| Operator Inattention | 41% | 17% | 36% |
| Percent of Operators that are... | | | |
| Operating Rented Vessels | 41% | 11% | 11% |
| Percent of Accidents Occurring on... | | | |
| Weekends | 59% | 56% | 54% |

Lake Shasta is in Shasta County and had 17 accidents, 12 injuries and 0 fatalities in 2015.

This accounted for 3% of accidents, 5% of injuries and 0% of all fatalities in California.

Lake Shasta accounted for 8% of accidents, 11% of injuries and 0% of fatalities in Northern California.

| Lake Berryessa | Lake Berryessa | Northern California | California |
|---|----------------|---------------------|------------|
| Percent of Accidents Involving.... | | | |
| Collision with Vessel | 50% | 26% | 34% |
| Towing Sport Accidents | 17% | 14% | 9% |
| Personal Watercraft | 50% | 16% | 18% |
| Operator Inexperience | 50% | 35% | 24% |
| Percent of Accidents Occurring on... | | | |
| Holiday Weekends | 17% | 14% | 14% |
| Percent of Operators that are... | | | |
| Operating Rented Vessels | 58% | 11% | 11% |
| 40 Years Old and Under | 86% | 49% | 47% |

Lake Berryessa is in Napa County and had 12 accidents, 9 injuries and 0 fatalities in 2015.

This accounted for 2% of accidents, 4% of injuries and 0% of all fatalities in California.

Lake Berryessa accounted for 5% of accidents, 8% of injuries and 0% of fatalities in Northern California.

Northern Lakes

| Lake Tahoe | Lake Tahoe | Northern California | California |
|---|------------|---------------------|------------|
| Percent of Accidents Involving... | | | |
| Collision with Vessel | 44% | 26% | 34% |
| Flooding/ Swamping | 22% | 23% | 19% |
| Excessive Speed | 22% | 19% | 20% |
| Open Motorboats | 89% | 59% | 48% |
| Percent of Accidents Occurring on... | | | |
| Holiday Weekends | 22% | 14% | 14% |
| Percent of Operators that are... | | | |
| Over 40 Years Old | 63% | 51% | 53% |
| Operating Rented Vessels | 31% | 11% | 11% |

Lake Tahoe is in Placer and El Dorado Counties in California and Washoe and Douglas Counties in Nevada. It had 9 accidents, 1 injury and 1 fatality in 2015 on the California side.

This accounted for 2% of accidents, 0.5% of injuries and 2% of fatalities in California.

Lake Tahoe accounted for 4% of accidents, 1% of injuries and 3% of fatalities in Northern California.

| Lake Sonoma | Lake Sonoma | Northern California | California |
|--|-------------|---------------------|------------|
| Percent of Accidents Involving... | | | |
| Collision with Vessel | 43% | 26% | 34% |
| Operator Inattention | 57% | 17% | 36% |
| Personal Watercraft | 86% | 16% | 18% |
| Open Motorboats | 29% | 59% | 48% |
| Percent of Operators that are... | | | |
| 40 Years Old and Under | 89% | 49% | 47% |
| Operating Borrowed Vessels | 60% | 17% | 20% |
| Operating Rented Vessels | 0% | 11% | 11% |

Lake Sonoma is in Sonoma County and had 7 accidents, 4 injuries and 1 fatality in 2015.

This accounted for 1% of accidents, 2% of injuries and 2% of all fatalities in California.

Lake Sonoma accounted for 6% of accidents, 7% of injuries and 0% of fatalities in Northern California.



NORTHERN CALIFORNIA

| | California | Northern California | Delta | San Francisco Bay | Lake Shasta | Lake Berryessa | Lake Tahoe | Lake Sonoma | Sacramento River | Northern Coast |
|---|------------|---------------------|-------|-------------------|-------------|----------------|------------|-------------|------------------|----------------|
| Types - Percent of Accidents Involving... | | | | | | | | | | |
| Collisions with Other Vessels | 34% | 26% | 26% | 44% | 24% | 50% | 44% | 43% | 14% | 0% |
| Capsizing | 12% | 17% | 19% | 11% | 0% | 8% | 11% | 0% | 14% | 50% |
| Flooding/ Swamping | 19% | 23% | 30% | 26% | 0% | 8% | 22% | 0% | 36% | 38% |
| Grounding | 12% | 14% | 20% | 0% | 12% | 25% | 11% | 0% | 7% | 38% |
| Falls Overboard | 6% | 5% | 2% | 6% | 0% | 0% | 0% | 29% | 7% | 0% |
| Sinking | 10% | 13% | 11% | 17% | 0% | 8% | 11% | 0% | 21% | 13% |
| Towing Sport Accidents | 9% | 14% | 4% | 0% | 29% | 17% | 11% | 14% | 7% | 0% |
| Causes - Percent of Accidents Involving... | | | | | | | | | | |
| Operator Inattention | 36% | 17% | 52% | 22% | 41% | 17% | 11% | 57% | 57% | 13% |
| Operator Inexperience | 24% | 35% | 7% | 6% | 18% | 50% | 33% | 43% | 29% | 0% |
| Excessive Speed | 20% | 19% | 30% | 6% | 6% | 17% | 22% | 29% | 21% | 0% |
| Machinery/Equipment Failure | 13% | 13% | 14% | 17% | 6% | 8% | 11% | 14% | 7% | 26% |
| Hazardous Weather/ Water | 11% | 14% | 11% | 11% | 0% | 8% | 11% | 0% | 21% | 25% |
| Types of Vessels - Percent of Accidents Involving... | | | | | | | | | | |
| Open Motorboats | 48% | 59% | 70% | 11% | 47% | 58% | 89% | 29% | 71% | 38% |
| Cabin Motorboats | 20% | 9% | 17% | 39% | 0% | 0% | 0% | 0% | 7% | 38% |
| Personal Watercraft | 18% | 16% | 6% | 0% | 12% | 50% | 0% | 86% | 21% | 0% |
| Auxiliary Sailboats | 13% | 5% | 2% | 44% | 0% | 0% | 0% | 0% | 0% | 0% |
| Houseboats | 3% | 8% | 17% | 0% | 47% | 8% | 0% | 0% | 0% | 0% |
| Ownership - Percent of Vessels... | | | | | | | | | | |
| Operated by Owner | 39% | 43% | 47% | 41% | 23% | 21% | 8% | 30% | 88% | 75% |
| Borrowed | 20% | 17% | 14% | 4% | 14% | 11% | 23% | 60% | 13% | 0% |
| Rented | 11% | 11% | 0% | 0% | 41% | 58% | 31% | 0% | 0% | 0% |
| No Operator or Unknown | 31% | 29% | 40% | 56% | 23% | 10% | 38% | 10% | 0% | 26% |
| Operator Age - Percent of Operators Involved in Accidents (does not include unknowns)... | | | | | | | | | | |
| Under 18 Years Old | 4% | 2% | 0% | 0% | 0% | 0% | 0% | 22% | 0% | 0% |
| 40 Years Old and Under | 47% | 49% | 42% | 0% | 41% | 86% | 38% | 89% | 44% | 0% |
| Over 40 Years Old | 53% | 51% | 58% | 100% | 59% | 14% | 63% | 11% | 56% | 100% |
| Other Factors - Percent of Accidents Occurring On... | | | | | | | | | | |
| Weekends | 54% | 56% | 50% | 44% | 59% | 58% | 56% | 57% | 71% | 38% |
| Holiday Weekends | 14% | 14% | 24% | 11% | 12% | 17% | 22% | 14% | 0% | 0% |