



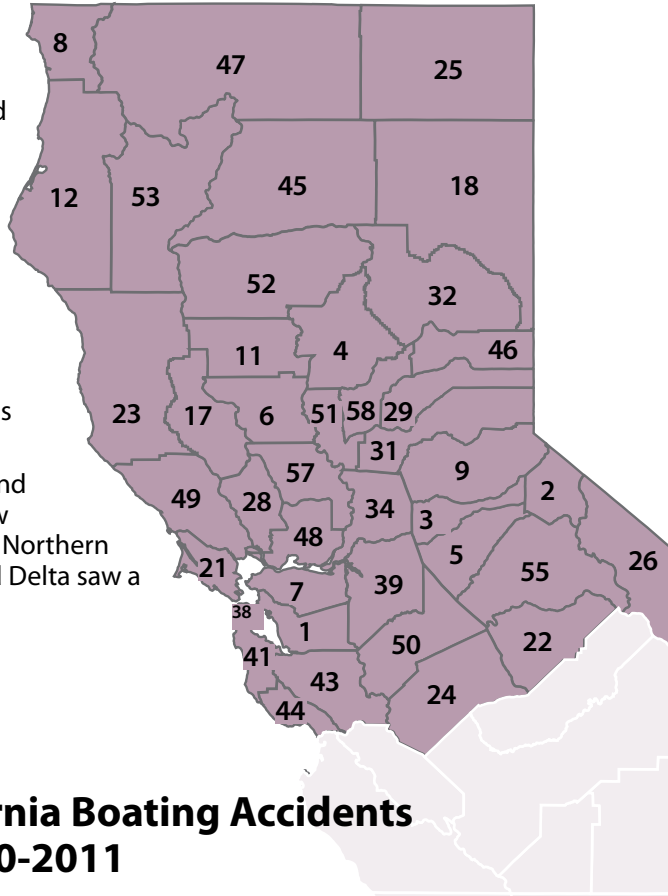
## 2011 California Recreational Boating Accident General Statistics for Northern California

In 2011, there were 276 boating accidents in Northern California that resulted in 167 injuries and 27 fatalities.

These accidents represent 54% of all accidents statewide, 53% of injuries and 50% of fatalities.

Compared with 2010 accident totals, accidents decreased 4%, injuries decreased 8%; but fatalities increased 4%.

Northern Coastal Waters and San Francisco Bay Area saw increases in accidents. But Northern Lakes, Northern Rivers and Delta saw a decrease in accidents.



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 2010-2011

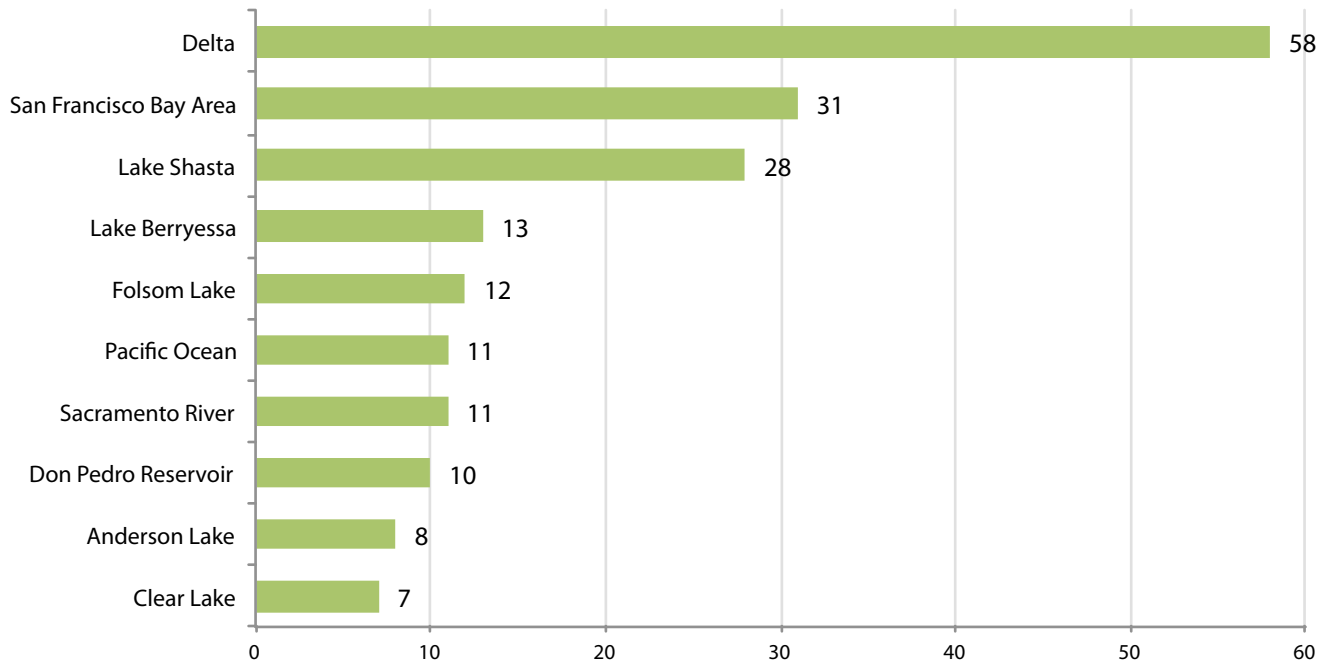
Location	2010			2011		
	Accidents	Injuries	Fatalities	Accidents	Injuries	Fatalities
Coastal Waters	18	14	8	23	10	2
Northern Lakes	141	86	5	137	100	9
Northern Rivers	30	13	5	27	16	9
Delta	75	64	2	58	32	2
San Francisco Bay Area	25	5	6	31	9	5
<b>Totals</b>	<b>289</b>	<b>182</b>	<b>26</b>	<b>276</b>	<b>167</b>	<b>27</b>



# NORTHERN CALIFORNIA

## Top Northern California Boating Accident Areas 2011

(Total Accidents 189)



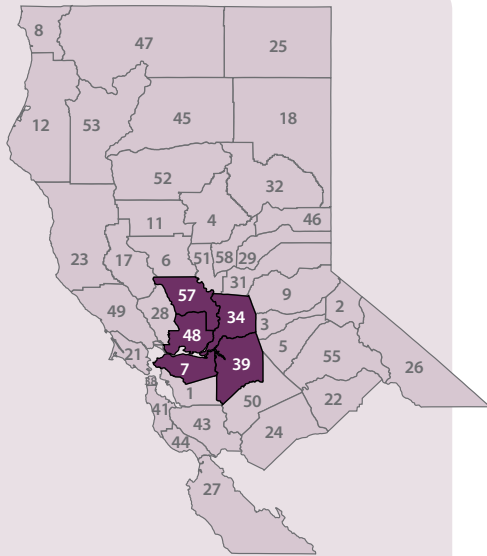
# California Delta

## Summary Statistics

The Sacramento-San Joaquin Delta had 58 accidents, 32 injuries and 2 fatalities in 2011.

The Delta accounted for 21% of accidents, 19% of injuries and 7% of fatalities in Northern California in 2011.

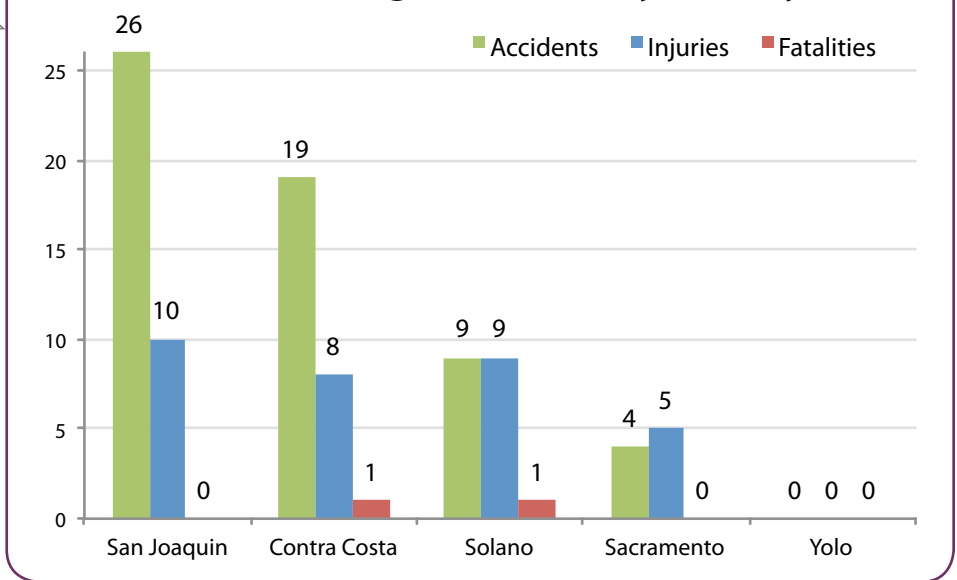
This accounted for 11% of all accidents, 10% of all injuries and 4% of all fatalities in California.



Includes accident statistics for the following counties:

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

## 2011 Delta Boating Accidents by County



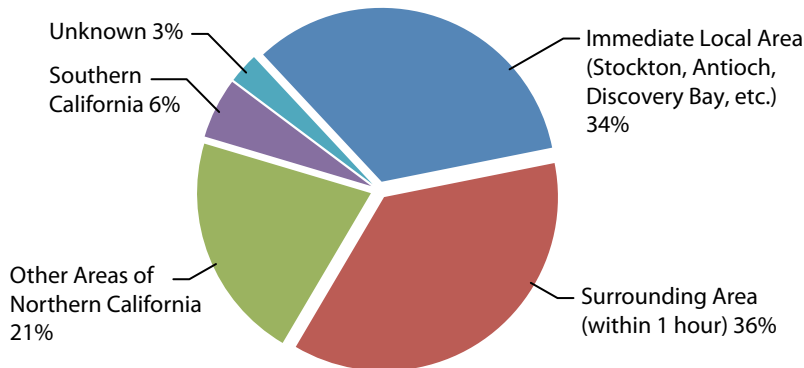
Delta	2007			2008			2009			2010			2011			5-Year Total		
	Acc.	Inj.	Fat.	Acc.	Inj.	Fat.	Acc.	Inj.	Fat.	Acc.	Inj.	Fat.	Acc.	Inj.	Fat.	Acc.	Inj.	Fatalities
San Joaquin County	44	26	3	58	32	9	44	27	3	35	29	1	26	10	0	207	124	16
Contra Costa County	22	8	1	27	25	2	28	25	5	22	16	1	19	8	1	118	82	10
Sacramento County	15	12	0	8	2	1	6	6	2	5	7	0	4	5	0	38	32	3
Solano County	2	1	0	8	7	3	3	2	0	12	12	0	9	9	1	34	31	4
Yolo County	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0
<b>Total Delta Combined</b>	<b>83</b>	<b>47</b>	<b>4</b>	<b>101</b>	<b>66</b>	<b>15</b>	<b>81</b>	<b>60</b>	<b>10</b>	<b>75</b>	<b>64</b>	<b>2</b>	<b>58</b>	<b>32</b>	<b>2</b>	<b>398</b>	<b>269</b>	<b>33</b>



## Noteworthy Accident Statistics

	Delta	Northern California	California
<b>Percent of Accidents Involving...</b>			
Collisions with Other Vessels	21%	21%	29%
Grounding	21%	15%	13%
Water Skiing	12%	19%	14%
Operator Inattention	53%	38%	37%
Excessive Speed	24%	20%	21%
Open Motorboats	62%	66%	55%
Personal Watercraft	19%	15%	17%
<b>Percent of Accidents Occurring on...</b>			
Holiday Weekends	16%	15%	14%
Weekends	59%	58%	57%

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



\* Seventy percent of operators involved in accidents live within one hour of their accident location.

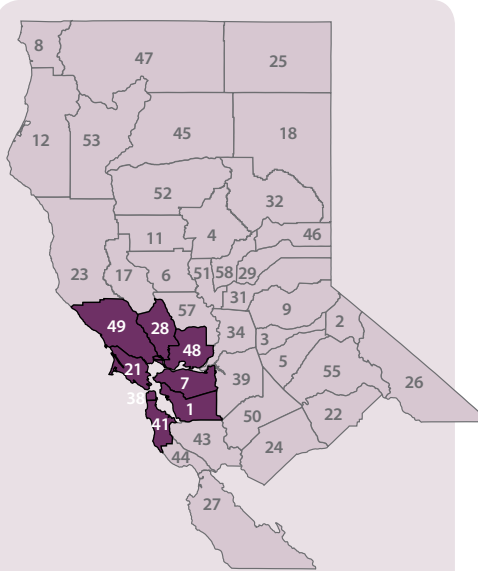
# San Francisco Bay Area

## Summary Statistics

The San Francisco Bay Area had 31 accidents, 9 injuries and 5 fatalities in 2011.

This accounted for 6% of all accidents, 3% of all injuries and 9% of all fatalities in California.

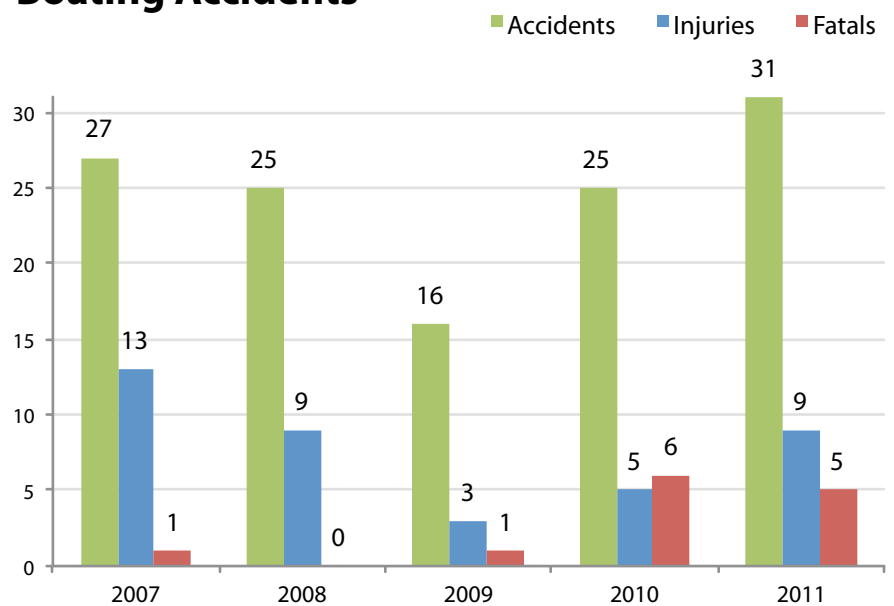
The San Francisco Bay Area accounted for 11% of accidents, 5% of injuries and 19% of fatalities in Northern California in 2011.



Includes accident statistics for the following counties:

County Number	County
1	Alameda
7	Contra Costa
21	Marin
28	Napa
38	San Francisco
41	San Mateo
48	Solano
49	Sonoma

## 2007-2011 San Francisco Bay Area Boating Accidents



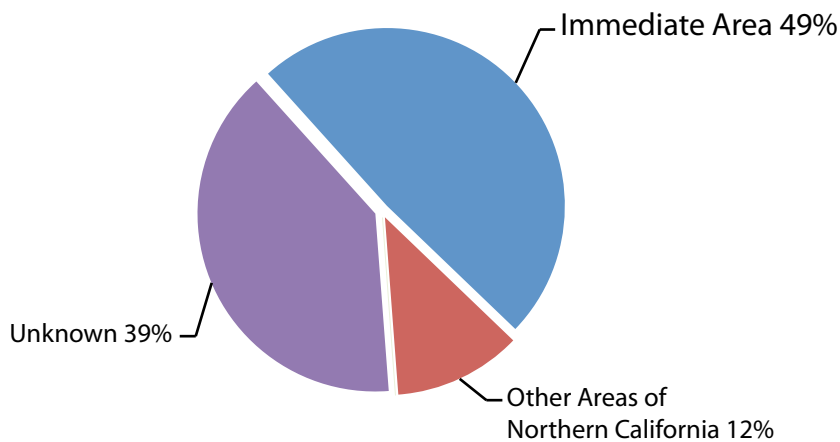
San Francisco Bay Area	2007			2008			2009			2010			2011			5-Year Total		
	Acc.	Inj.	Fat.	Acc.	Inj.	Fat.	Acc.	Inj.	Fat.	Acc.	Inj.	Fat.	Acc.	Inj.	Fat.	Acc.	Inj.	Fatalities
Alameda	7	4	0	6	1	0	6	3	0	3	0	0	6	0	1	28	8	1
Contra Costa	1	0	0	1	1	0	1	0	1	1	1	1	2	0	1	6	2	3
Marin	3	4	0	1	0	0	2	0	0	8	2	2	12	5	1	26	11	3
San Francisco	14	5	0	15	7	0	4	0	0	9	1	2	7	2	1	49	15	3
San Mateo	2	0	1	2	0	0	2	0	0	3	1	1	2	2	1	11	3	3
Sonoma	0	0	0	0	0	0	1	0	0	1	0	0	2	0	0	4	0	0
<b>Total San Francisco Bay Combined</b>	<b>27</b>	<b>13</b>	<b>1</b>	<b>25</b>	<b>9</b>	<b>0</b>	<b>16</b>	<b>3</b>	<b>1</b>	<b>25</b>	<b>5</b>	<b>6</b>	<b>31</b>	<b>9</b>	<b>5</b>	<b>124</b>	<b>39</b>	<b>13</b>



## Noteworthy Accident Statistics

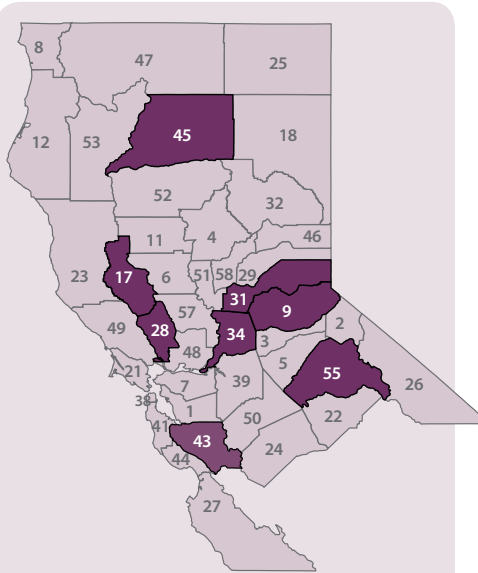
	SF Bay Area	Northern California	California
<b>Percent of Accidents Involving...</b>			
Collision with Other Vessels	29%	21%	29%
Capsizing	26%	13%	11%
Falls Overboard	3%	6%	6%
Auxiliary Sail	26%	6%	13%
Cabin Motoboats	26%	10%	14%
Personal Watercraft	0%	15%	17%
<b>Percent of Operators that are...</b>			
Operating Borrowed Vessel	9%	26%	21%
Over 40 Years Old	62%	51%	53%

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



# Northern Lakes

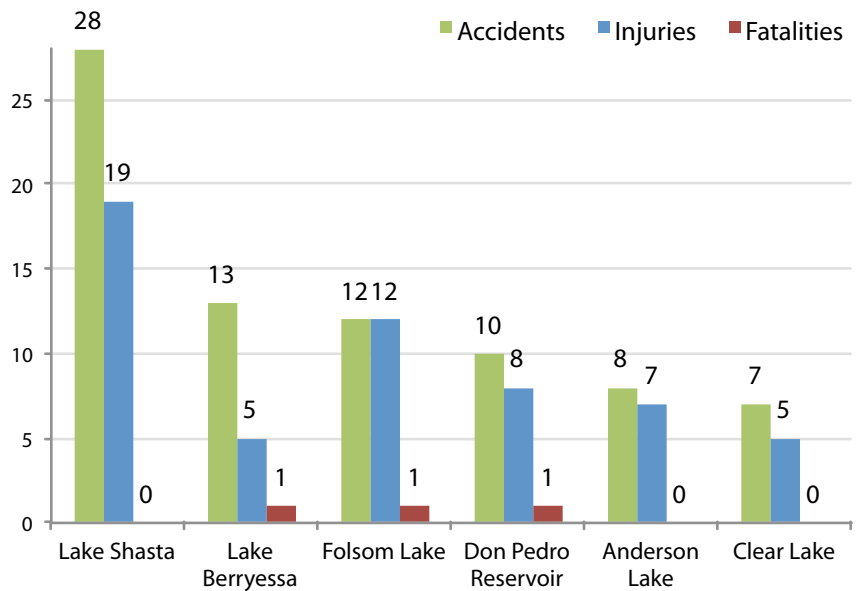
## Summary Statistics



Includes accident statistics for the following counties:

County Number	County
9	El Dorado
17	Lake
28	Napa
31	Placer
34	Sacramento
43	Santa Clara
45	Shasta
55	Tuolumne

### 2011 Top Northern Lakes Boating Accidents by Location



### Residence of Operators Involved in Accidents

Area	Lake Shasta	Lake Berryessa	Folsom Lake	Don Pedro Reservoir	Anderson Lake	Clear Lake
Immediate Local Area	29%	0%	27%	0%	11%	14%
Surrounding Area (within 1 hour)	5%	47%	60%	54%	89%	0%
Other areas of Northern California	45%	42%	13%	38%	0%	71%
Southern California	5%	0%	0%	0%	0%	0%
Out of State	16%	0%	0%	0%	0%	14%
Unknown	0%	11%	0%	8%	0%	0%



## Noteworthy Accident Statistics

Lake Shasta	Lake Shasta	Northern California	California
<b>Percent of Accidents Involving...</b>			
Collision with Vessel	21%	21%	29%
Water Skiing	54%	19%	14%
Houseboats	14%	4%	2%
Open Motorboats	86%	66%	55%
Excessive Speed	14%	20%	21%
<b>Percent of Operators that are...</b>			
Operating Rented Vessels	32%	12%	8%

Lake Shasta is in Shasta County and had 28 accidents, 19 injuries and 0 fatalities in 2011.

This accounted for 14% of accidents, 12% of injuries and 0% of fatalities in all of California lakes.

Lake Shasta accounted for 20% of accidents, 19% of injuries and 0% of fatalities in Northern California lakes.

16% of operators involved in accidents on Lake Shasta in 2011 resided out of state.

Lake Berryessa	Lake Berryessa	Northern California	California
<b>Percent of Accidents Involving...</b>			
Collision with Vessel	38%	21%	29%
Water Skiing	23%	19%	14%
Personal Watercraft	46%	15%	17%
Operator Inattention	15%	38%	37%
<b>Percent of Accidents Occurring on..</b>			
Weekends	77%	58%	57%
<b>Percent of Operators that are...</b>			
Operating Rented Vessels	26%	12%	8%
40 Years Old and Under	69%	49%	47%

Lake Berryessa is in Napa County and had 13 accidents, 5 injuries and 1 fatality in 2011.

This accounted for 6% of accidents, 3% of injuries and 6% of fatalities in all of California lakes.

Lake Berryessa accounted for 9% of accidents, 5% of injuries and 11% of fatalities in Northern California lakes.



# Northern Lakes

<b>Folsom Lake</b>	<b>Folsom Lake</b>	<b>Northern California</b>	<b>California</b>
<b>Percent of Accidents Involving...</b>			
Collision with Vessel	8%	21%	29%
Excessive Speed	58%	20%	21%
Personal Watercraft	42%	15%	17%
Water Skiing	25%	19%	14%
Operator Inexperience	33%	18%	20%
<b>Percent of Accidents Occurring on...</b>			
Holiday Weekends	17%	15%	14%
<b>Percent of Operators that are...</b>			
40 Years Old and Under	69%	49%	47%

Folsom Lake is in El Dorado, Placer and Sacramento Counties and had 12 accidents, 12 injuries and 1 fatality in 2011.

This accounted for 6% of accidents, 8% of injuries and 6% of fatalities in all of California lakes.

Folsom Lake accounted for 9% of accidents, 12% of injuries and 11% of fatalities in Northern California lakes.

<b>Don Pedro Reservoir</b>	<b>Don Pedro Reservoir</b>	<b>Northern California</b>	<b>California</b>
<b>Percent of Accidents Involving...</b>			
Collision with Vessel	20%	21%	29%
Water Skiing	30%	19%	14%
Operator Inexperience	10%	18%	20%
Open Motorboats	90%	66%	55%
Houseboats	10%	4%	2%
<b>Percent of Accidents Occurring on..</b>			
Weekends	70%	58%	57%
Holiday Weekends	20%	15%	14%

Don Pedro Reservoir is in Tuolumne County and had 10 accidents, 8 injuries and 1 fatality in 2011.

This accounted for 5% of accidents, 5% of injuries and 6% of fatalities in all of California lakes.

Don Pedro Reservoir accounted for 7% of accidents, 8% of injuries and 11% of fatalities in Northern California lakes.



## Noteworthy Accident Statistics

<b>Anderson Lake</b>	<b>Anderson Lake</b>	<b>Northern California</b>	<b>California</b>
<b>Percent of Accidents Involving...</b>			
Collision with Vessel	13%	21%	29%
Water Skiing	63%	19%	14%
Operator Inattention	25%	38%	37%
Open Motorboats	100%	66%	55%
<b>Percent of Operators that are...</b>			
Operating Borrowed Vessels	33%	26%	21%
<b>Percent of Accidents Occurring on..</b>			
Weekends	75%	58%	57%

Anderson Lake is in Santa Clara County and had 8 accidents, 7 injuries and 0 fatalities in 2011.

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

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

<b>Clear Lake</b>	<b>Clear Lake</b>	<b>Northern California</b>	<b>California</b>
<b>Percent of Accidents Involving...</b>			
Flooding/ Swamping	29%	23%	18%
Open Motorboats	86%	66%	55%
Water Skiing	29%	19%	14%
Falls Overboard	14%	6%	6%
<b>Percent of Accidents Occurring on..</b>			
Holiday Weekends	43%	15%	14%
<b>Percent of Operators that are...</b>			
Operating Rented Vessels	29%	12%	8%
40 Years Old and Under	57%	49%	47%

Clear Lake is in Lake County and had 7 accidents, 5 injuries and 0 fatalities in 2011.

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

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

# NORTHERN CALIFORNIA



	Calif.	No. Calif.	Delta	San Francisco	Lake Shasta	Lake Berryessa	Folsom Lake	Don Pedro Reservoir	Anderson Lake	Clear Lake
<b>Types - Percent of Accidents Involving...</b>										
Collisions with Other Vessels	29%	21%	21%	29%	21%	38%	8%	20%	13%	0%
Falls Overboard	6%	6%	5%	3%	4%	0%	8%	20%	0%	14%
Groundings	13%	14%	21%	16%	11%	8%	8%	10%	0%	0%
Flooding/ Swamping	18%	24%	31%	26%	14%	23%	0%	40%	0%	29%
Towing Sport Accidents	14%	19%	12%	0%	54%	23%	25%	30%	63%	29%
<b>Causes - Percent of Accidents Involving...</b>										
Excessive Speed	21%	20%	24%	6%	14%	23%	58%	0%	13%	14%
Hazardous Weather/ Water	15%	17%	21%	13%	7%	8%	0%	10%	0%	71%
Operator Inattention	37%	38%	53%	26%	39%	15%	33%	30%	25%	0%
Operator Inexperience	20%	18%	17%	3%	21%	23%	33%	10%	13%	71%
<b>Types of Vessels - Percent of Accidents Involving...</b>										
Open Motorboats	55%	66%	62%	26%	86%	77%	67%	90%	100%	86%
Cabin Motorboats	14%	10%	17%	26%	0%	0%	8%	0%	0%	0%
Personal Watercraft	17%	15%	19%	0%	4%	46%	42%	0%	13%	14%
Auxiliary Sailboats	13%	6%	3%	26%	0%	0%	0%	10%	0%	0%
Houseboats	2%	4%	2%	3%	14%	0%	0%	10%	0%	0%
<b>Operator Age - Percent of Operators Involved in Accidents (does not include unknowns)...</b>										
Operators Under 18 Years Old	4%	4%	3%	0%	0%	6%	8%	0%	0%	0%
Operators 40 Years Old and Under	47%	49%	44%	38%	45%	69%	69%	50%	44%	57%
Operators Over 40 Years Old	53%	51%	56%	62%	55%	31%	31%	50%	56%	43%
<b>Ownership - Percent of Vessels...</b>										
Operated by Owner	47%	68%	55%	60%	45%	42%	53%	54%	67%	43%
Borrowed	21%	26%	30%	9%	11%	26%	40%	0%	33%	29%
Rented	8%	12%	4%	0%	32%	26%	0%	8%	0%	29%
Unknown or No Operator	24%	22%	11%	30%	13%	5%	7%	38%	0%	0%
<b>Other Factors - Percent of Accidents Occurring On...</b>										
Weekends	57%	58%	59%	58%	54%	77%	50%	70%	75%	57%
Holiday Weekends	14%	15%	16%	6%	14%	23%	17%	20%	13%	43%

