NORTHERN CALIFORNIA

24



2011 California Recreational Boating Accident General Statistics for Northern California

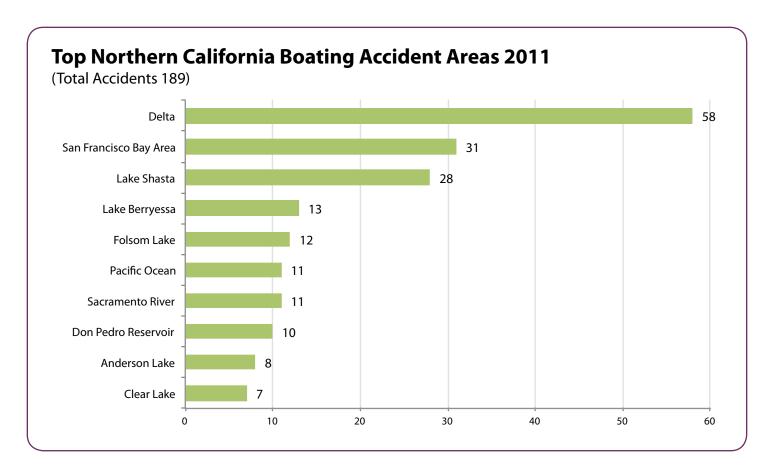
n 2011, there were 276 boating accidents in 47 25 Northern California that resulted in 167 injuries and 27 fatalities. These accidents represent 45 18 12 53 54% of all accidents statewide, 53% of injuries and 50% of fatalities. 52 32 Compared with 2010 accident totals, accidents 11 decreased 4%, injuries decreased 8%; but fatalities 51 58 29 23 17 6 increased 4%. Northern Coastal Waters and 49 San Francisco Bay Area saw 34 48 increases in accidents. But Northern 26 55 Lakes, Northern Rivers and Delta saw a 39 decrease in accidents. 22 50

Northern California Boating Accidents by Location 2010-2011

		2010			2011	
Location	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
Totals	289	182	26	276	167	27

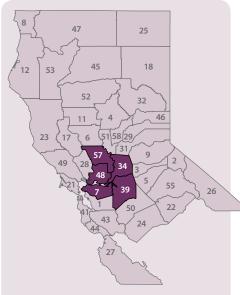
County Number	County
1	Alameda
2	Alpine
3	Amador
4	Butte
5	Calaveras
6	Colusa
7	Contra Costa
8	Del Norte
9	El Dorado
11	Glenn
12	Humboldt
17	Lake
18	Lassen
21	Marin
22	Mariposa
23	Mendocino
24	Merced
25	Modoc
26 27	Mono
28	Monterey
29	Napa Nevada
31	Placer
32	Plumas
34	Sacramento
38	San Francisco
39	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

1





California Delta



Summary Statistics

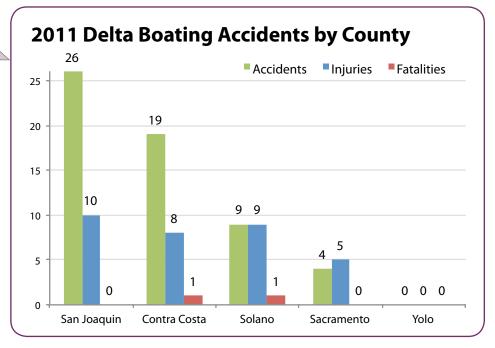
The Sacramento-San Joaquin Delta had 58 accidents, 32 injuries and 2 fatalities in 2011.

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

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

Includes accident statistics for the following counties:

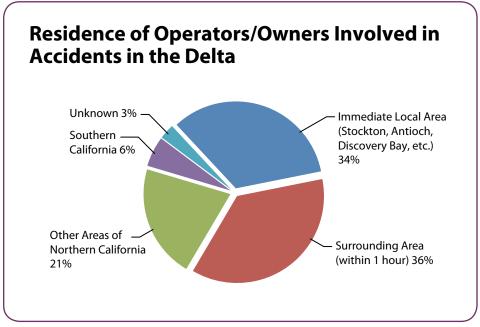
County Number	County
7	Contra Costa
34	Sacramento
39	San Joaquin
48	Solano
57	Yolo



Delta		2007	,	2	2008		2	2009		2	2010)		2011	l	5-`	Year T	otal
County	Acc.	lnj.	Fat.	Acc.	lnj.	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
Total Delta Combined	83	47	4	101	66	15	81	60	10	75	64	2	58	32	2	398	269	33

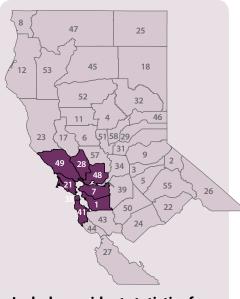
Noteworthy Accident Statistics

	Delta	Northern California	California
Percent of Accidents Involving			
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%
Percent of Accidents Occurring on			
Holiday Weekends	16%	15%	14%
Weekends	59%	58%	57%



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

San Francisco Bay Area



Summary Statistics

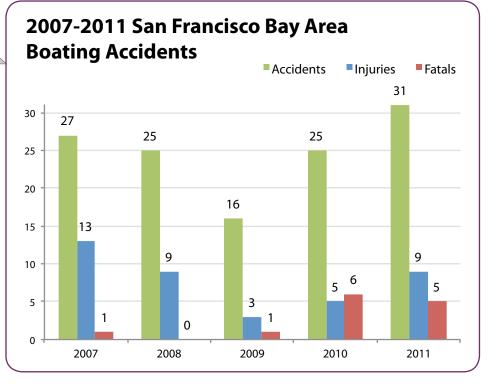
The San Francisco Bay Area had 31 accidents, 9 injuries and 5 fatalities in 2011.

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:

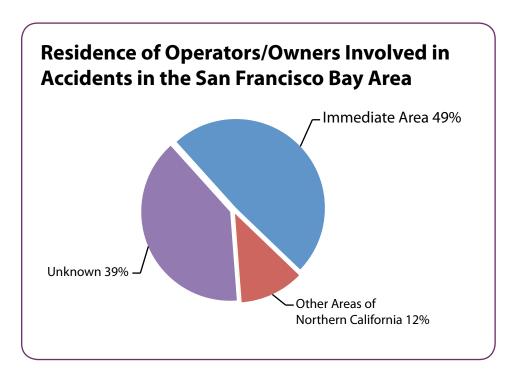
County Number	County
1	Alameda
7	Contra Costa
21	Marin
28	Napa
38	San Francisco
41	San Mateo
48	Solano
49	Sonoma



San Francisco Bay Area		2007	,	:	2008	3	2	2009)	2	2010)	2	2011	ı	5-	Year T	otal
County	Acc.	lnj.	Fat.	Acc.	lnj.	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
Total San Francisco Bay Combined	27	13	1	25	9	0	16	3	1	25	5	6	31	9	5	124	39	13

Noteworthy Accident Statistics

	SF Bay Area	Northern California	California
Percent of Accidents Involving			
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%
Percent of Operators that are			
Operating Borrowed Vessel	9%	26%	21%
Over 40 Years Old	62%	51%	53%



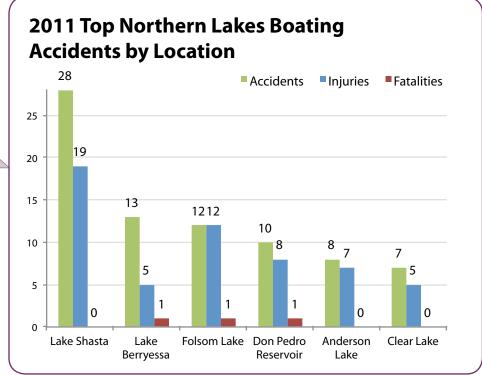
Northern Lakes

8 47 25 12 53 45 18 52 32 11 4 46 23 17 6 5158/29 49 28 48 34 3 57 39 5 55 26 27 27

Includes accident statistics for the following counties:

County
El Dorado
Lake
Napa
Placer
Sacramento
Santa Clara
Shasta
Tuolumne

Summary Statistics



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%

Northern Lakes

Noteworthy Accident Statistics

Lake Shasta	Lake Shasta	Northern California	California
Percent of Accidents Involving			
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%
Percent of Operators that are			
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
Percent of Accidents Involving			
Collision with Vessel	38%	21%	29%
Water Skiing	23%	19%	14%
Personal Watercraft	46%	15%	17%
Operator Inattention	15%	38%	37%
Percent of Accidents Occurring on			
Weekends	77%	58%	57%
Percent of Operators that are			
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

Folsom Lake	Folsom Lake	Northern California	California				
Percent of Accidents Involving							
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%				
Percent of Accidents Occurring on							
Holiday Weekends	17%	15%	14%				
Percent of Operators that are							
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.

Don Pedro Reservoir	Don Pedro Reservoir	Northern California	California
Percent of Accidents Involving			
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%
Percent of Accidents Occurring on			
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

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

Clear Lake	Clear Lake	Northern California	California	
Percent of Accidents Involving				
Flooding/ Swamping	29%	23%	18%	
Open Motorboats	86%	66%	55%	
Water Skiing	29%	19%	14%	
Falls Overboard	14%	6%	6%	
Percent of Accidents Occurring on				
Holiday Weekends	43%	15%	14%	
Percent of Operators that are				
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 Berrryesa	Folsom Lake	Don Pedro Reservoir	Anderson Lake	Clear Lake
Types - Percent of Accidents Inve	olving.	••								
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%
Causes - Percent of Accidents In	volving									
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%
Types of Vessels - Percent of Acc	idents	Involvii	ng							
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%
Operator Age - Percent of Opera	tors In	volved	in Accio	dents (doe:	s not inc	lude unkno	wns)			
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%
Ownership - Percent of Vessels										
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%
Other Factors - Percent of Accide	ents Oc	curring	On							
Weekends	57%	58%	59%	58%	54%	77%	50%	70%	75%	57%
Holiday Weekends	14%	15%	16%	6%	14%	23%	17%	20%	13%	43%