

SOUTHERN CALIFORNIA

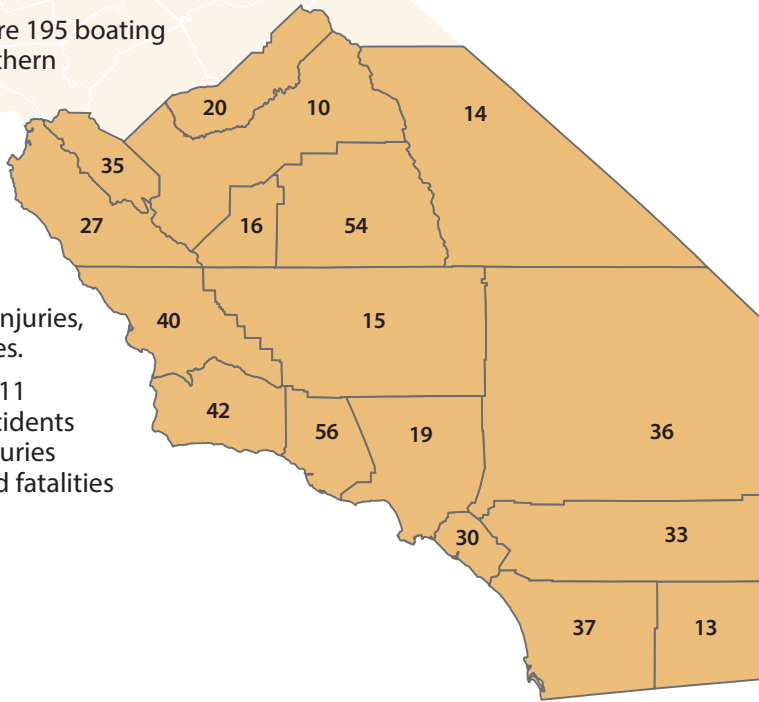


2012 California Recreational Boating Accident General Statistics for Southern California

In 2012, there were 195 boating accidents in Southern California that resulted in 77 injuries and 16 fatalities.

These accidents represented 41% of all accidents statewide, 31% of injuries, and 30% of fatalities.

Compared with 2011 accident totals, accidents decreased 17%, injuries decreased 47% and fatalities decreased 41%.



Includes accident statistics for the following counties:

County Number	County
10	Fresno
13	Imperial
14	Inyo
15	Kern
16	Kings
19	Los Angeles
20	Madera
27	Monterey
30	Orange
33	Riverside
35	San Benito
36	San Bernardino
37	San Diego
40	San Luis Obispo
42	Santa Barbara
54	Tulare
56	Ventura

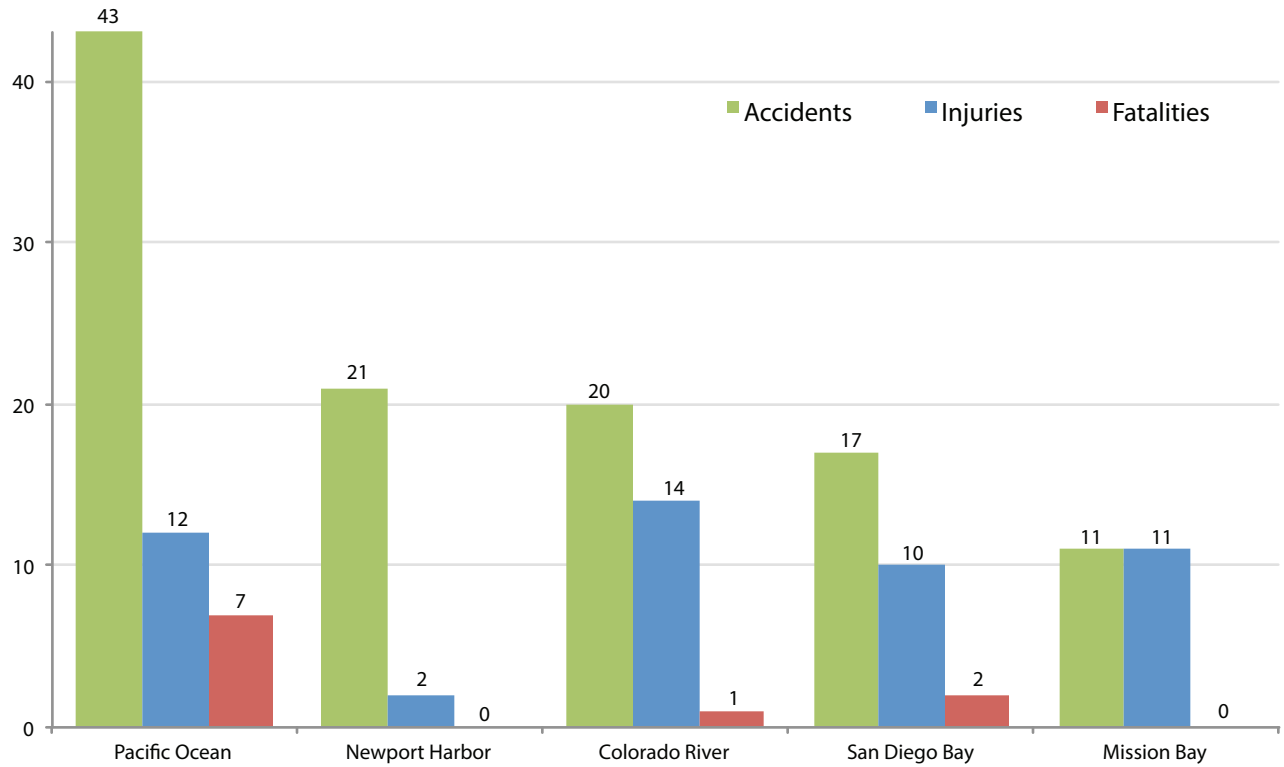
Southern California Boating Accidents by Location 2011-2012

Location	2011			2012		
	Accidents	Injuries	Fatalities	Accidents	Injuries	Fatalities
Southern Coast	133	53	10	125	39	9
Southern Lake	68	56	7	48	24	6
Southern River	10	13	6	2	0	0
Colorado River	25	24	4	20	14	1
Totals	236	146	27	195	77	16



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2012 Top Southern California Boating Accident Areas



Colorado River

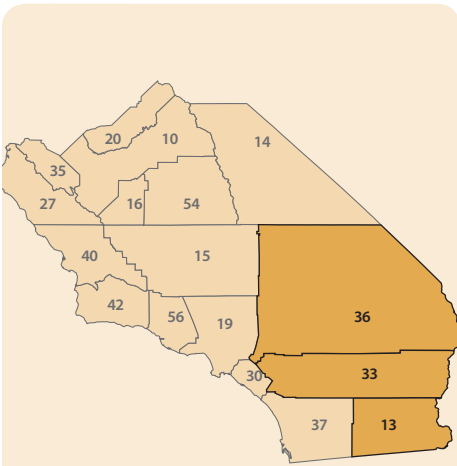
Colorado River

The Colorado River forms the border between California and Arizona. San Bernardino, Riverside and Imperial Counties all share a piece of the river.

In 2012, 20 accidents occurred on the Colorado River. These accidents resulted in 14 injuries and 1 fatality.

These accidents represented 10% of all accidents in Southern California, 18% of injuries, and 6% of fatalities.

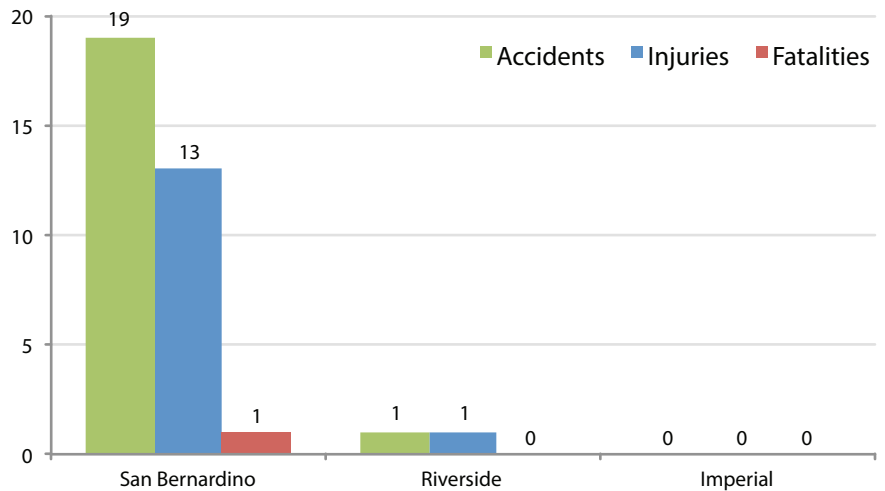
Accidents on the Colorado River accounted for 4% of all accidents in California, 6% of injuries, and 2% of fatalities.



Includes accident statistics for the following counties:

County Number	County
13	Imperial
33	Riverside
36	San Bernardino

2012 Colorado River Boating Accidents by County



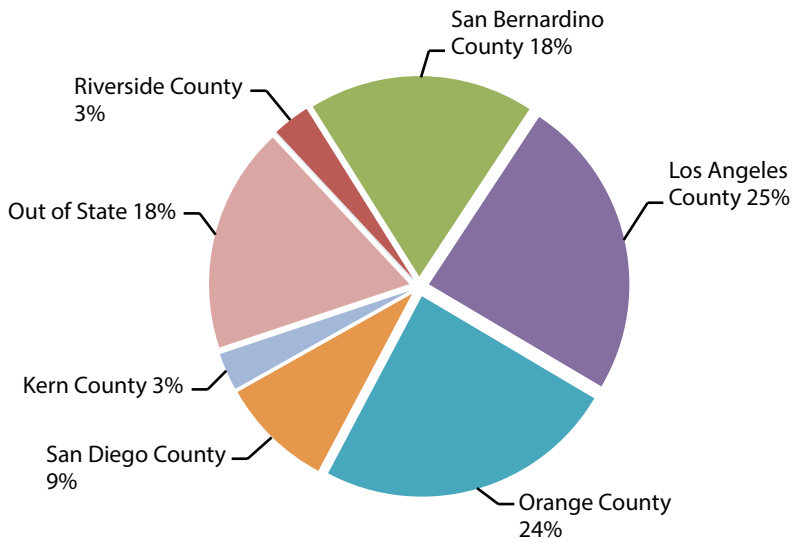
Colorado River County	2008			2009			2010			2011			2012			5-Year Total		
	Acc.	Inj.	Fat.	Acc.	Inj.	Fat.	Acc.	Inj.	Fat.	Acc.	Inj.	Fat.	Acc.	Inj.	Fat.	Acc.	Inj.	Fatalities
San Bernardino	29	36	0	23	23	2	23	20	2	17	18	4	19	13	1	111	110	9
Riverside	6	6	1	4	3	0	4	5	0	4	5	0	1	1	0	19	20	1
Imperial	1	2	0	3	4	1	4	3	1	4	1	0	0	0	0	12	10	2
Total Colorado River Combined	36	44	1	30	30	3	31	28	3	25	24	4	20	14	1	142	140	12



Noteworthy Accident Statistics

Colorado River	Colorado River	Southern California	California
Percent of Accidents Involving...			
Collision with Vessel	60%	41%	32%
Towing Sports	20%	8%	15%
Operator Inexperience	30%	21%	22%
Operator Inattention	60%	39%	36%
Excessive Speed	30%	21%	21%
Open Motorboats	65%	43%	51%
Personal Watercraft	50%	19%	19%
Percent of Operators that are...			
Over 40 Years Old	57%	53%	48%
The Owner of the Vessel	61%	42%	45%
Percent of Accidents Occurring on...			
Weekends	75%	59%	58%
Holiday Weekends	25%	13%	16%

Residence of Operator/Owner Involved in Accidents on the Colorado River



Distance Traveled

(Residence to Accident Location)

Distance Traveled	Percent of Operators
Under 20 miles	12%
20-100 miles	3%
101-200 miles	18%
201-300 miles	55%
Over 300 miles	12%

only 15% of boaters involved in accidents were from local areas along the river

Los Angeles County

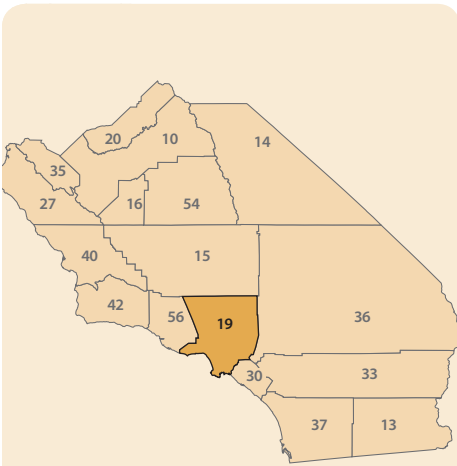
Los Angeles County

As of December 31, 2012, there were 94,371 vessels registered in Los Angeles County—more than any other county—12% of the statewide total.

Sixteen accidents occurred in Los Angeles County, resulting in 6 injuries, and 2 fatalities.

These accidents represented 8% of all accidents in Southern California, 8% of injuries, and 13% of fatalities.

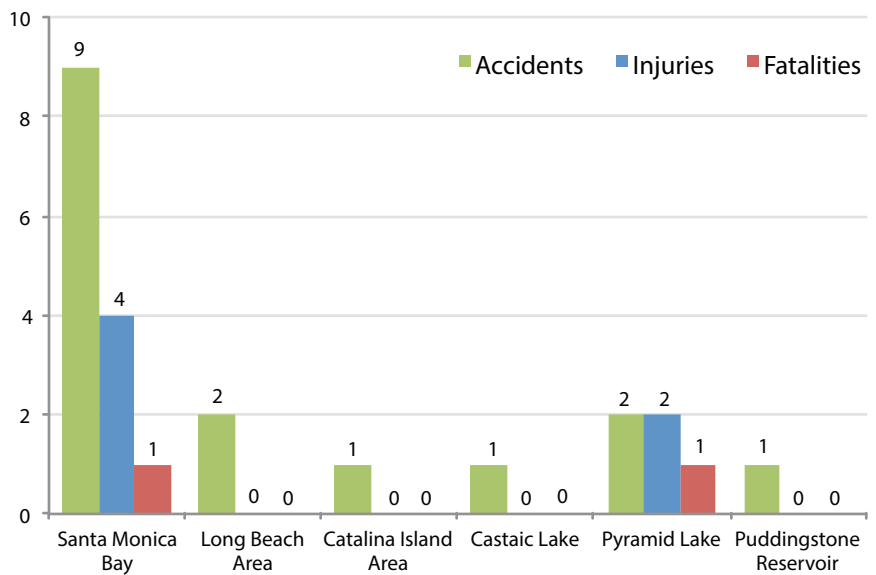
Accidents in Los Angeles County accounted for 6% of accidents in California, 2% of injuries, and 4% of fatalities.



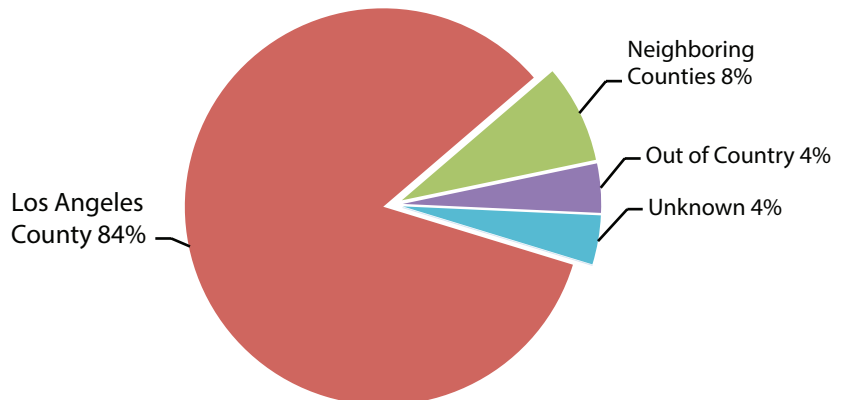
Includes accident statistics for the following county:

County Number	County
19	Los Angeles

2012 Los Angeles County Boating Accidents by Location



Residence of Owners/Operators Involved in Accidents in Los Angeles County





Noteworthy Accident Statistics

Los Angeles Coast	Los Angeles Coast	Southern California	California
Percent of Accidents Involving			
Collision with Vessel	42%	41%	32%
Operator Inattention	42%	39%	36%
Cabin Motorboats	50%	28%	21%
Auxiliary Sailboats	17%	15%	9%
Percent of Operators that are...			
Over 40 Years of Age	69%	53%	48%
The Owner of the Vessel	61%	42%	45%

Orange County

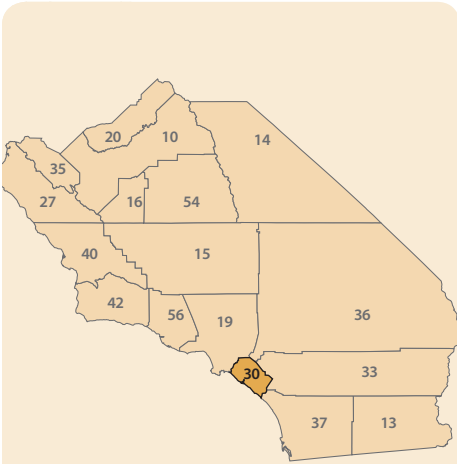
Orange County

As of December 2012, there were 55,158 vessels registered in Orange County, 7% of the statewide total.

Fifty-six accidents occurred in Orange County, resulting in 4 injuries and 3 fatalities.

These accidents represented 29% of all accidents in Southern California, 5% of injuries, and 19% of fatalities.

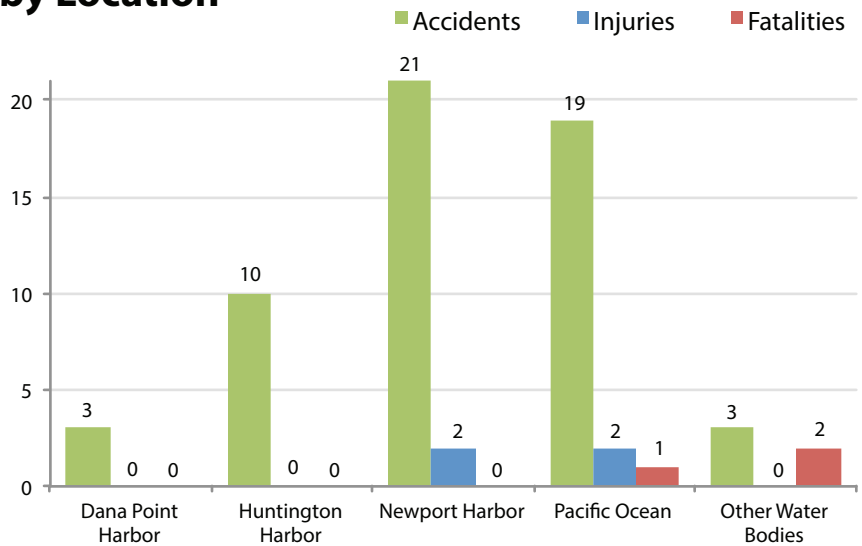
Accidents in Orange County accounted for 12% of accidents in California, 6% of injuries, and 2% of fatalities.



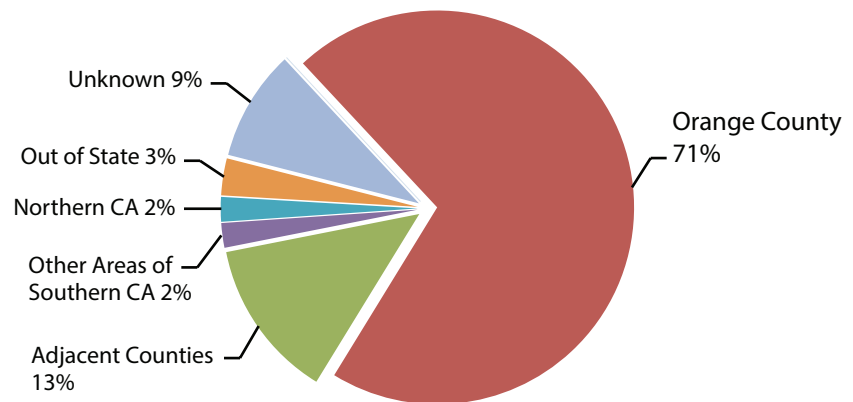
Includes accident statistics for the following county:

County Number	County
30	Orange

2012 Orange County Boating Accidents by Location



Residence of Owners/Operators Involved in Accidents in Orange County





Noteworthy Accident Statistics

Orange County Coast	Orange County	Southern California	California
Percent of Accidents Involving...			
Capsizings	21%	9%	10%
Groundings	47%	12%	13%
Machinery/Equipment Failure	53%	19%	17%
Percent of Operators that are...			
Over 40 Years Old	65%	53%	48%
The Owner of the Vessel	71%	42%	45%

Newport Bay	Newport Bay	Southern California	California
Percent of Accidents Involving			
Collision with Vessel	67%	41%	32%
Operator Inattention	43%	39%	36%
Machinery/Equipment Failure	24%	19%	17%
Cabin Motorboats	52%	28%	21%
Percent of Operators that are...			
Over 40 Years Old	62%	53%	48%
Percent of Accidents Occuring on...			
Weekends	67%	59%	58%

San Diego County

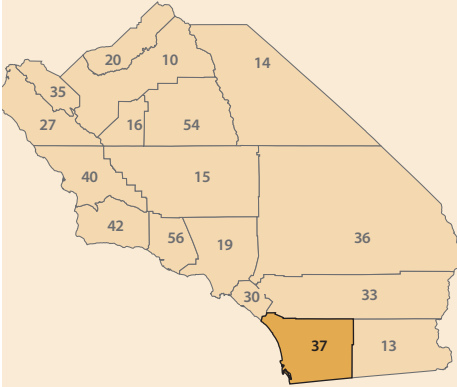
San Diego County

As of December 31, 2012, there were 55,399 vessels registered in San Diego County, 7% of the statewide total.

Forty-two accidents occurred in San Diego County, resulting in 30 injuries and 4 fatalities.

Accidents in San Diego County represented 22% of accidents in Southern California, 39% of injuries, and 25% of fatalities.

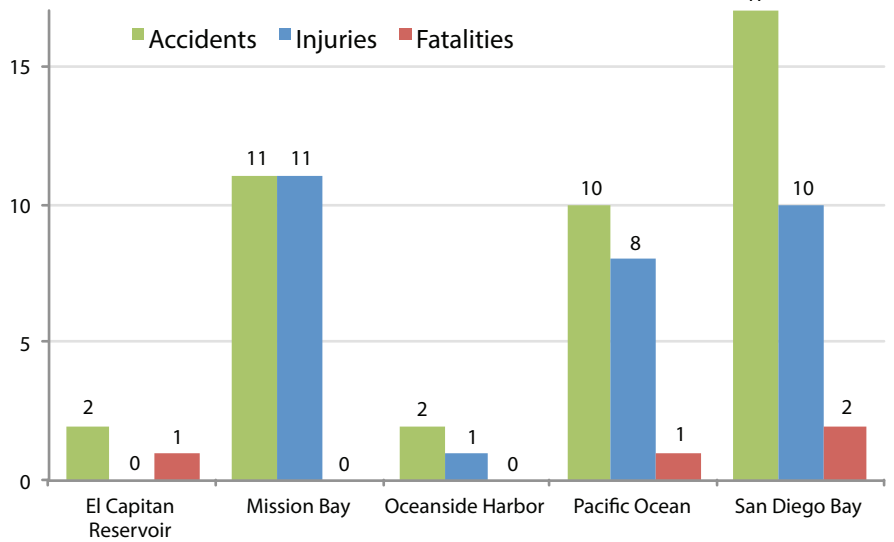
These accidents represented 9% of all accidents in California, 12% of injuries, and 8% of fatalities.



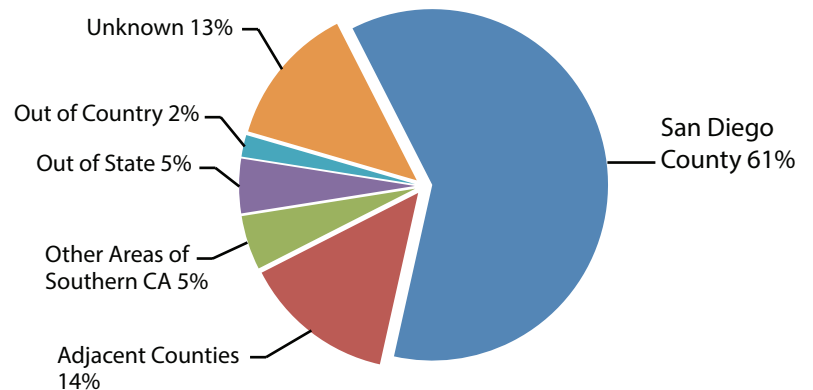
Includes accident statistics for the following county:

County Number	County
37	San Diego

2012 San Diego County Boating Accidents by Location



Residence of Owners/Operators Involved in Accidents in San Diego County





Noteworthy Accident Statistics

Mission Bay	Mission Bay	Southern California	California
Percent of Accidents Involving...			
Collision with Vessel	45%	41%	32%
Groundings	18%	12%	13%
Operator Inexperience	42%	21%	22%
Excessive Speed	64%	21%	21%
Personal Watercraft	73%	19%	19%
Percent of Operators that are...			
Under 18 Years Old	21%	6%	7%
40 Years Old and Under	86%	47%	53%
Operating Rented Vessels	31%	9%	10%
Percent of Accidents Occurring on..			
Weekends	91%	59%	58%

San Diego Bay	San Diego Bay	Southern California	California
Percent of Accidents Involving			
Collision with Vessel	47%	41%	32%
Falls Overboard	18%	8%	8%
Operator Inattention	59%	39%	36%
Excessive Speed	41%	21%	21%
Auxiliary Sailboat	53%	15%	9%
Percent of Operators that are...			
Over 40 Years Old	75%	53%	48%
Operating Borrowed Vessels	36%	21%	20%
Percent of Accidents Occurring on..			
Weekends	65%	59%	58%

SOUTHERN CALIFORNIA



	Calif	So. Calif	Colorado River	L.A. County	L.A. Coast	Orange County	Newport Bay	O.C. Coast	San Diego County	Mission Bay	San Diego Bay
Types – Percent of Accidents Involving...											
Collisions with Other Vessels	32%	41%	60%	50%	42%	43%	67%	21%	31%	45%	47%
Collisions with Fixed Objects	5%	5%	0%	6%	0%	11%	14%	5%	5%	0%	6%
Collisions with Submerged Objects	2%	1%	0%	6%	8%	0%	0%	0%	0%	0%	0%
Capsizings	10%	9%	0%	6%	8%	13%	10%	21%	10%	0%	0%
Flooding/Swamping	20%	17%	10%	13%	17%	27%	14%	21%	17%	9%	0%
Groundings	13%	12%	0%	6%	8%	16%	0%	47%	12%	18%	6%
Falls Overboard	8%	8%	5%	6%	8%	2%	0%	5%	17%	0%	18%
Fires (all types)	4%	7%	0%	0%	8%	7%	0%	11%	5%	0%	12%
Towing Sport Accidents	15%	8%	20%	6%	0%	0%	0%	0%	5%	9%	6%
Causes – Percent of Accidents Involving...											
Operator Inexperience	22%	21%	30%	25%	17%	21%	29%	21%	17%	42%	12%
Operator Inattention	36%	39%	60%	50%	42%	30%	43%	32%	26%	42%	59%
Excessive Speed	21%	21%	30%	6%	0%	5%	14%	0%	19%	64%	41%
Machinery/Equipment Failure	17%	19%	5%	13%	17%	25%	24%	53%	31%	9%	6%
Hazardous Weather/ Water	8%	7%	0%	6%	8%	9%	5%	11%	10%	9%	6%
Types of Vessels – Percent of Accidents Involving...											
Open Motorboats	51%	43%	65%	31%	25%	39%	43%	37%	33%	18%	35%
Cabin Motorboats	21%	28%	0%	44%	50%	48%	52%	26%	17%	0%	29%
Personal Watercraft	19%	19%	50%	19%	0%	4%	5%	5%	21%	73%	0%
Auxiliary Sailboats	9%	15%	0%	13%	17%	13%	14%	16%	29%	18%	53%
Ownership – Percent of Vessels...											
Operated by Owner	45%	42%	61%	52%	61%	34%	19%	71%	41%	44%	28%
Borrowed	20%	21%	9%	20%	17%	15%	21%	13%	25%	19%	36%
Rented	10%	9%	18%	8%	17%	7%	11%	8%	13%	31%	8%
No Operator or Unknown	25%	28%	12%	20%	6%	44%	48%	8%	22%	6%	28%
Operator Age – Percent of Operators Involved in Accidents (does not include unknowns)											
Under 18 Years Old	7%	6%	11%	5%	0%	0%	0%	3%	9%	21%	0%
40 Years Old and Under	52%	47%	43%	47%	31%	33%	38%	35%	53%	86%	25%
Over 40 Years Old	48%	53%	57%	53%	69%	67%	62%	65%	47%	14%	75%
Other Factors – Percent of Accidents Occurring on...											
Weekends	58%	59%	75%	56%	50%	50%	67%	29%	69%	91%	65%
Holiday Weekends	16%	13%	25%	19%	17%	5%	0%	4%	9%	27%	12%

