SOUTHERN CALIFORNIA



2016 California Recreational Boating Accident General Statistics for Southern California



Southern California Boating Accidents by Location 2015-2016

		2015				
Waterway Categories	Accidents	Injuries	Fatalities	Accidents	Injuries	Fatalities
Southern Coast	195	51	10	231	58	6
Southern Lake	58	36	7	61	32	6
Southern River	2	6	0	3	2	2
Colorado River	27	28	2	27	24	0
Totals	282	121	19	322	116	14

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





2 | 2016 California Recreational Boating Accident Statistics

Colorado River



Includes accident statistics for the following counties:

County Number	County
13	Imperial
33	Riverside
36	San Bernardino

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 2016, 27 accidents occurred on the Colorado River. These accidents resulted in 24 injuries. There were no boating fatalities in California waters on the Colorado River in 2016. These accidents represented 8% of all accidents in Southern California and 21% of injuries.

Accidents on the Colorado River accounted for 5% of all accidents in California and 9% of injuries.

2016 Colorado River Boating Accidents by Location



Colorado River		2012	2	2	2013	3	1	2014	L .		2015	;	1	2016	5	5-`	Year 1	Total
County	Acc.	Inj.	Fat.	Acc.	lnj.	Fat.	Acc.	Inj.	Fat.	Acc.	Inj.	Fat.	Acc.	Inj.	Fat.	Acc.	lnj.	Fatalities
San Bernardino	19	13	7	14	6	0	12	12	0	19	19	2	21	13	0	85	63	9
Riverside	1	1	0	2	1	0	3	4	0	6	8	0	5	10	0	17	24	0
Imperial	0	0	0	0	0	0	3	1	0	2	1	0	1	1	0	6	3	0
Total Colorado River Combined	20	14	7	16	7	0	18	17	0	27	28	2	27	24	0	108	90	9



Colorado River	Colorado River	Southern California	California
Percent of Accidents Involving			
Falls Overboard	19%	7%	9%
Excessive Speed	44%	13%	15%
Open Motorboats	70%	41%	45%
Personal Watercraft	37%	14%	17%
Percent of Operators that are			
The Owner of the Vessel	50%	31%	36%
Percent of Accidents Occurring on			
Weekends	67%	51%	54%
Holiday Weekends	30%	10%	15%

2016 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	11%
20-100 miles	0%
101-200 miles	26%
201-300 miles	55%
Over 300 miles	5%
Unknown	3%

Only 11% involved in accidents were from local areas along the river.

Los Angeles County



Includes accident statistics for the following county:

County Number	County
19	Los Angeles

Los Angeles County

As of December 31, 2016, there were 80,815 vessels registered in Los Angeles County—more than any other county—12% of the statewide total.

Sixty-four accidents occurred in Los Angeles County, resulting in 20 injuries, and 2 fatalities.

These accidents represented 20% of all accidents in Southern California, 17% of injuries, and 14% of fatalities.

Accidents in Los Angeles County accounted for 11% of accidents in California, 8% of injuries, and 4% of fatalities.



2016 Los Angeles County Boating Accidents

2016 Residence of Owners/Operators **Involved in Accidents in Los Angeles County**





Los Angeles Coast	Los Angeles Coast	Southern California	California
Percent of Accidents Involving			
Flooding/Swamping	23%	16%	19%
Grounding	23%	11%	12%
Operator Inattention	47%	29%	36%
Operator Inexperience	35%	30%	24%
Cabin Motorboats	30%	29%	20%
Auxiliary Sailboats	40%	19%	13%
Percent of Operators that are			
Over 40 Years Old	68%	54%	53%

Orange County

20 ° 10 14 35 27 16 54 40 15 42 56 19 36 30 33 37 13

Includes accident statistics for the following county:

County Number	County
30	Orange

Orange County

As of December 31, 2016, there were 48,144 vessels registered in Orange County, 7% of the statewide total.

Eighty-seven accidents occurred in Orange County, resulting in 15 injuries. No boating fatalities occurred in Orange County in 2016. These accidents represented 27% of all accidents in Southern California and 13% of injuries.

Accidents in Orange County accounted for 15% of accidents in California and 6% of injuries.



2016 Orange County Boating Accidents

2016 Residence of Owners/Operators Involved in Accidents in Orange County





Newport Harbor	Newport Harbor	Southern California	California
Percent of Accidents Involving			
Collision with Vessel	78%	42%	36%
Operator Inattention	39%	30%	32%
Open Motorboats	63%	41%	45%
Cabin Motorboats	49%	28%	
Percent of Operators that are			
Over 40 Years Old	76%	55%	55%

Orange County Coast	Orange County Coast	Southern California	California
Percent of Accidents Involving			
Capsizing	27%	7%	10%
Grounding	40%	13%	14%
Personal Watercraft	40%	14%	17%
Percent of Operators that are			
Operating Rented Vessels	41%	12%	10%

San Diego County



Includes accident statistics for the following county:

County Number	County
37	San Diego

San Diego County

As of December 31, 2016, there were 51,185 vessels registered in San Diego County, 7% of the statewide total.

Fifty accidents occurred in San Diego County, resulting in 14 injuries and 3 fatalities. Accidents in San Diego County represented 16% of accidents in Southern California, 12% of injuries, and 21% of fatalities.

These accidents represented 9% of all accidents in California, 5% of injuries, and 6% of fatalities.

2016 San Diego County Boating Accidents by Location



2016 Residence of Owners/Operators Involved in Accidents in San Diego County





San Diego Bay	San Diego Bay	Southern California	California	
Percent of Accidents Involving				
Collision with Vessel	57%	42%	36%	
Operator Inattention	43%	30%	32%	
Cabin Motorboats	46%	28%	21%	
Auxiliary Sailboats	34%	22%	16%	
Percent of Operators that are				
Over 40 Years Old	59%	55%	55%	

SOUTHERN CALIFORNIA



	Calif.	So. Calif.	Colorado River	L. A. County	L. A. Coast	Orange County	Newport Bay	O. C. Coast	San Diego County	San Diego Bay	
Types-Percent of Accidents Involving											
Collisions with Other Vessels	36%	42%	37%	34%	37%	49%	78%	20%	54%	57%	
Capsizings	10%	7%	7%	2%	2%	9%	0%	27%	8%	3%	
Flooding/Swamping	14%	15%	15%	12%	13%	22%	15%	20%	8%	3%	
Grounding	14%	13%	11%	17%	15%	14%	0%	40%	8%	6%	
Falls Overboard	9%	7%	19%	3%	3%	7%	0%	20%	6%	0%	
Fires (all types)	6%	8%	11%	8%	7%	7%	0%	0%	18%	23%	
Towing Sport Accidents	7%	4%	0%	3%	2%	0%	0%	0%	2%	0%	
Causes-Percent of Accidents Involving											
Operator Inexperience	25%	27%	26%	35%	33%	30%	20%	30%	14%	20%	
Operator Inattention	32%	30%	37%	25%	27%	29%	39%	15%	46%	43%	
Excessive Speed	15%	13%	44%	6%	5%	5%	0%	6%	14%	17%	
Machinery/Equipment Failure	14%	16%	7%	18%	18%	17%	7%	15%	8%	9%	
Hazardous Weather/ Water	11%	12%	7%	11%	10%	16%	14%	11%	6%	6%	
Types of Vessels-Percent of Accidents Involving											
Open Motorboats	45%	41%	70%	23%	25%	45%	63%	40%	26%	23%	
Cabin Motorboats	21%	28%	0%	38%	52%	40%	49%	10%	38%	46%	
Personal Watercraft	17%	14%	37%	5%	3%	14%	0%	40%	12%	3%	
Auxiliary Sailboats	16%	22%	0%	40%	47%	16%	22%	7%	30%	34%	
Ownership-Percent of Vesse	els										
Operated by Owner	36%	31%	50%	39%	40%	23%	20%	24%	23%	25%	
Borrowed	22%	20%	24%	17%	16%	12%	9%	15%	20%	19%	
Rented	10%	12%	5%	5%	6%	20%	9%	41%	13%	12%	
No Operator or Unknown	32%	37%	21%	39%	38%	36%	61%	19%	44%	44%	
Operator Age-Percent of Operators Involved in Accidents (does not include unknowns)											
Under 18 Years Old	4%	4%	0%	0%	0%	0%	0%	0%	0%	0%	
40 Years Old and Under	45%	45%	52%	33%	33%	37%	24%	38%	41%	41%	
Over 40 Years Old	55%	55%	48%	67%	67%	63%	76%	42%	59%	59%	
Other Factors-Percent of Accidents Occurring on											
Weekends	54%	51%	67%	67%	38%	52%	51%	57%	44%	46%	
Holiday Weekends	15%	10%	30%	5%	5%	9%	10%	13%	6%	9%	