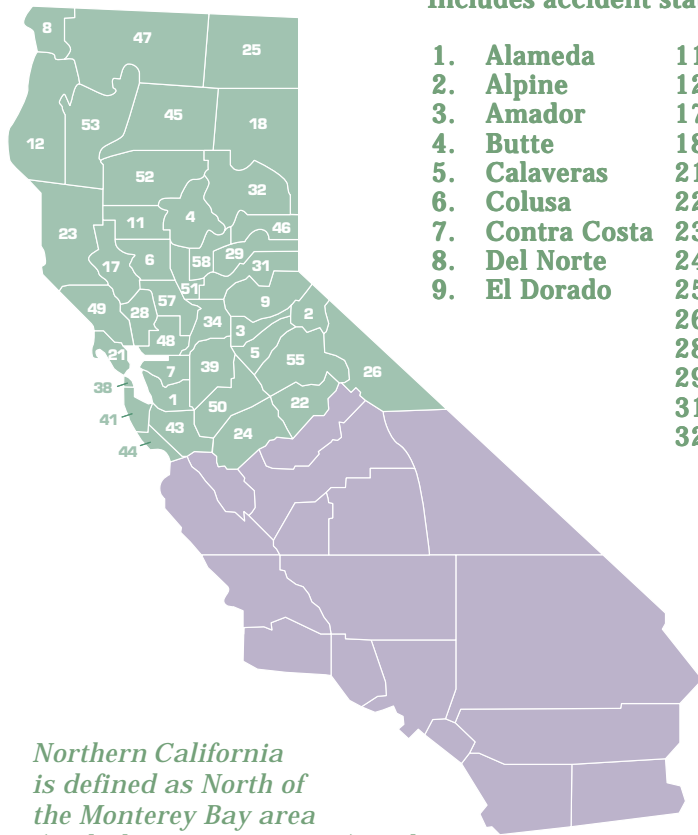


Northern California

General Statistics



Includes accident statistics for the following Counties:

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

Northern California is defined as North of the Monterey Bay area (including Monterey Bay) and the Fresno area further east.

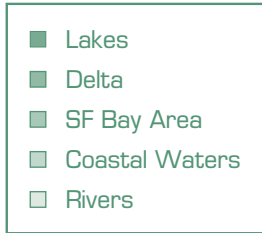
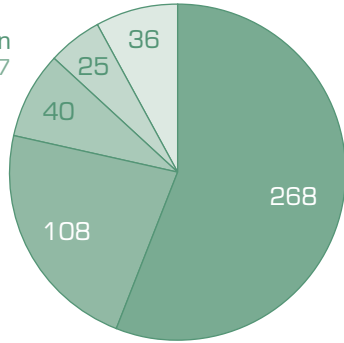
- Collision with another vessel was the most common type of accident, accounting for 32% of all Northern California accidents, compared with 44% in Southern California and 38% statewide.
- Inexperience was a factor in 45% of all accidents in Northern California and was the most common cause of accidents.
- PWC were involved in 23% of all Northern California accidents, compared with 39% in Southern California and 30% statewide.
- 23% of Northern California accidents occurred during the three summer holiday weekends.

- Open motorboats were involved in 57% of all accidents in Northern California, compared with 42% in Southern California and 50% statewide.
- In Northern California, victims falling overboard accounted for 38% of boating fatalities, followed by vessels capsizing, which accounted for 30% of fatalities.
- Open motorboats were involved in 51% of all fatal boating accidents in Northern California.
- 51% of Northern California boating fatalities occurred on the weekend.
- Of the victims who drowned in Northern California, 79% were not wearing a life jacket, compared with 83% statewide and 86% in Southern California.
- 77% of victims dying in fishing-related boating accidents were boating in Northern California.

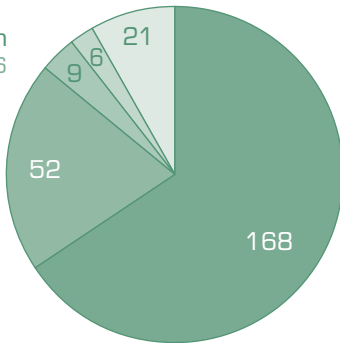


2001 Northern California Boating Accidents by Location

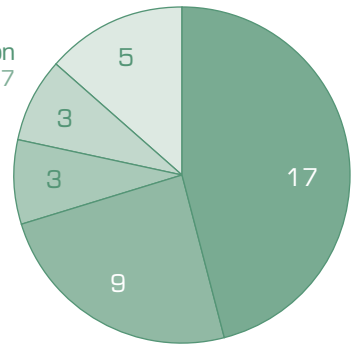
Accidents by Location
Total Accidents = 477



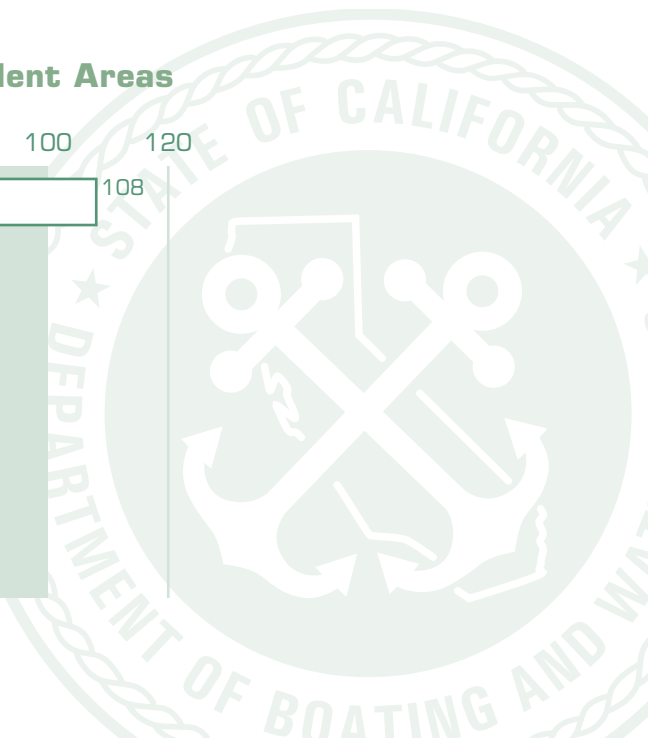
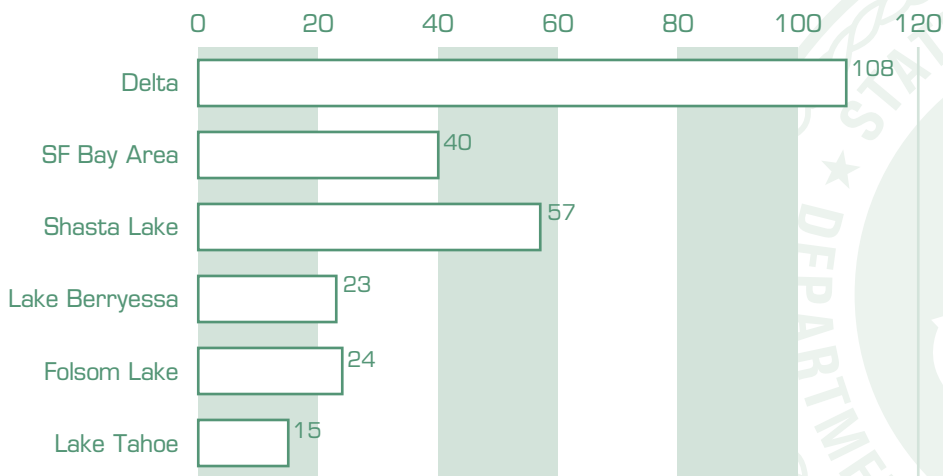
Injuries by Location
Total Injuries = 256



Fatalities by Location
Total Fatalities = 37

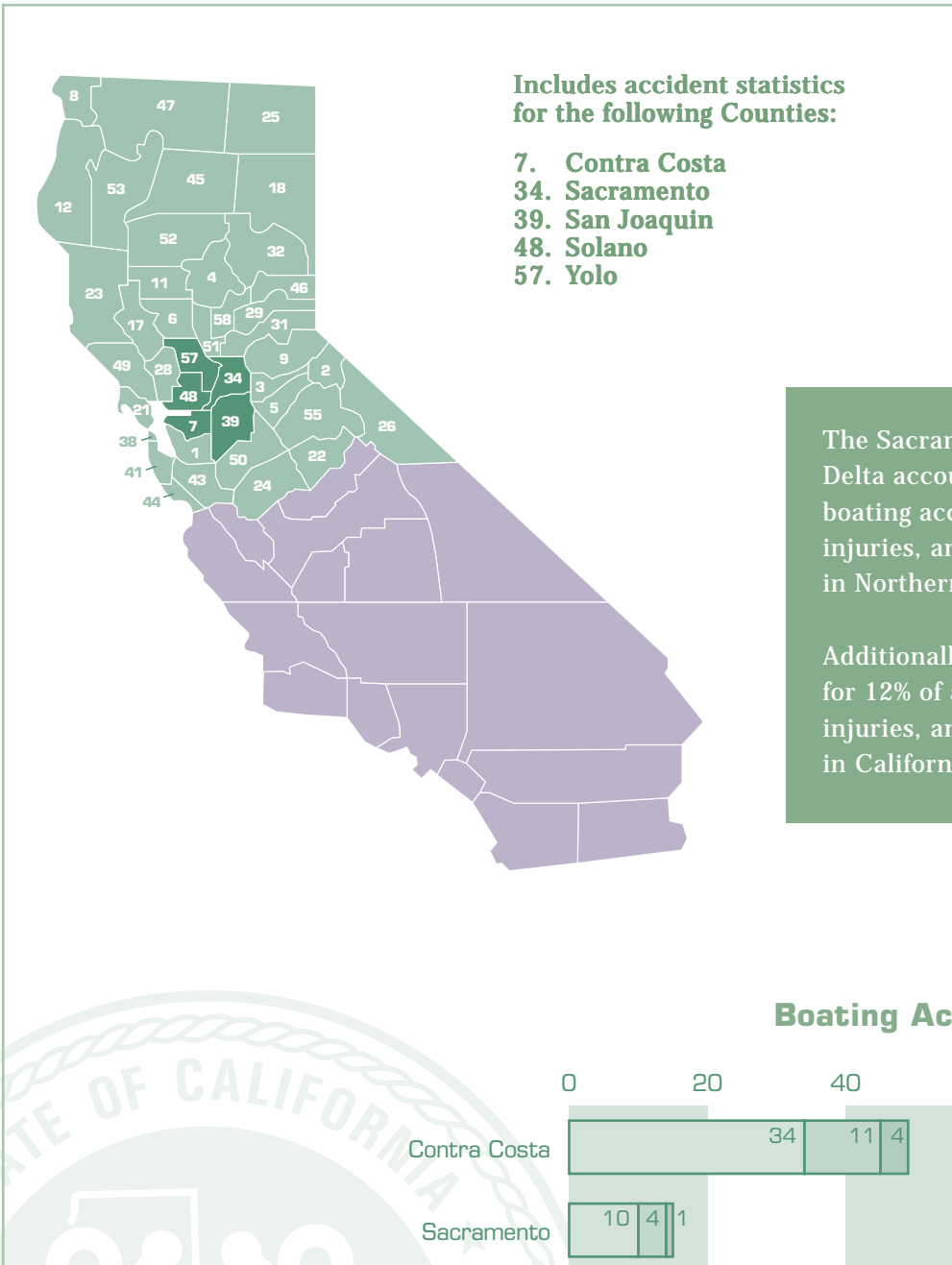


Top Northern California Boating Accident Areas



California Delta

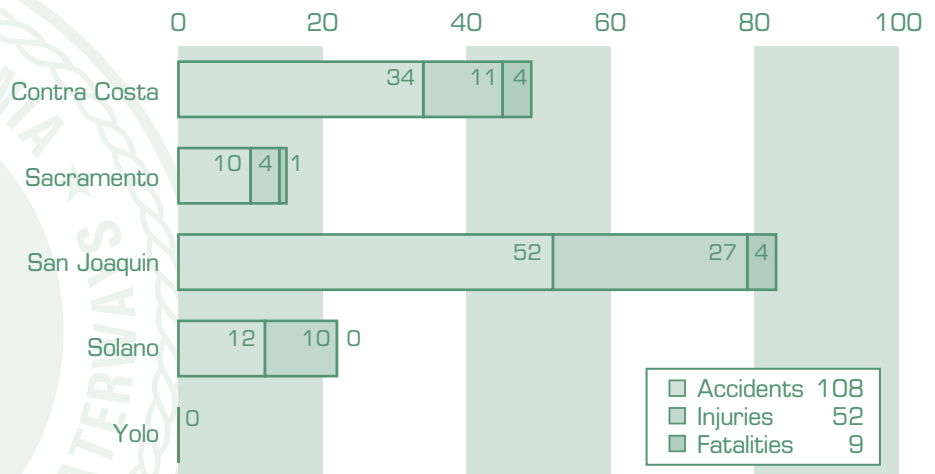
Summary Statistics



The Sacramento-San Joaquin Delta accounted for 23% of boating accidents, 21% of injuries, and 24% of fatalities in Northern California.

Additionally, the Delta accounted for 12% of all accidents, 10% of all injuries, and 19% of fatalities in California.

2001 Delta Boating Accidents by Location



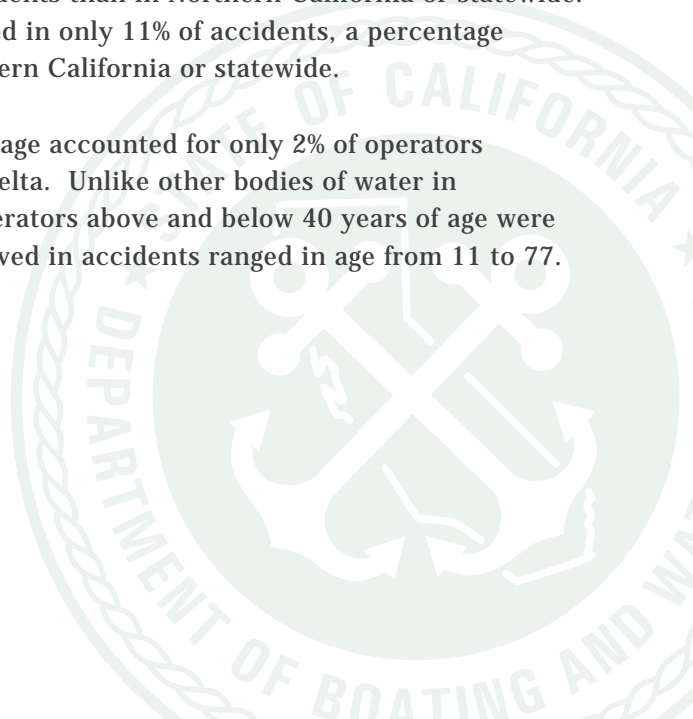
Noteworthy Accident Statistics

Accidents Involving	Delta	Nor Cal	California
Types			
Flooding/Swamping	13%	8%	8%
Grounding	16%	11%	11%
Type of Vessel			
Cabin Motorboats	27%	13%	16%
Open Motorboats	63%	57%	50%
Personal Watercraft	11%	23%	30%
Vessels that were			
Operated by Owner	61%	49%	44%
Operator Age			
Under 18	2%	11%	12%
40 and Under	52%	64%	67%
Over 40	48%	36%	33%

Accidents involving vessels flooding/swamping or grounding were slightly more likely to occur in the Delta.

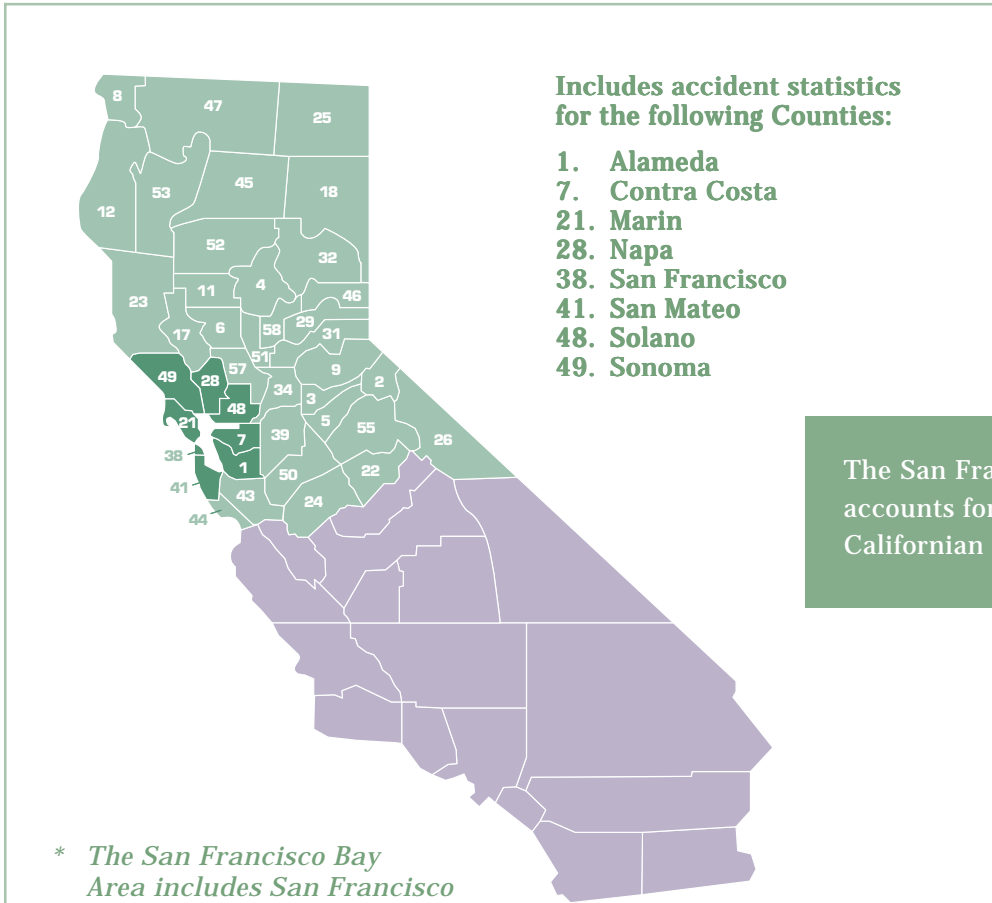
Accidents involving open motorboats and cabin motorboats were involved in a higher percentage of accidents than in Northern California or statewide. Conversely, PWC were involved in only 11% of accidents, a percentage significantly lower than Northern California or statewide.

Operators under 18 years of age accounted for only 2% of operators involved in accidents in the Delta. Unlike other bodies of water in California, the numbers of operators above and below 40 years of age were nearly equal. Operators involved in accidents ranged in age from 11 to 77.



San Francisco Bay Area and Surrounding Coastline*

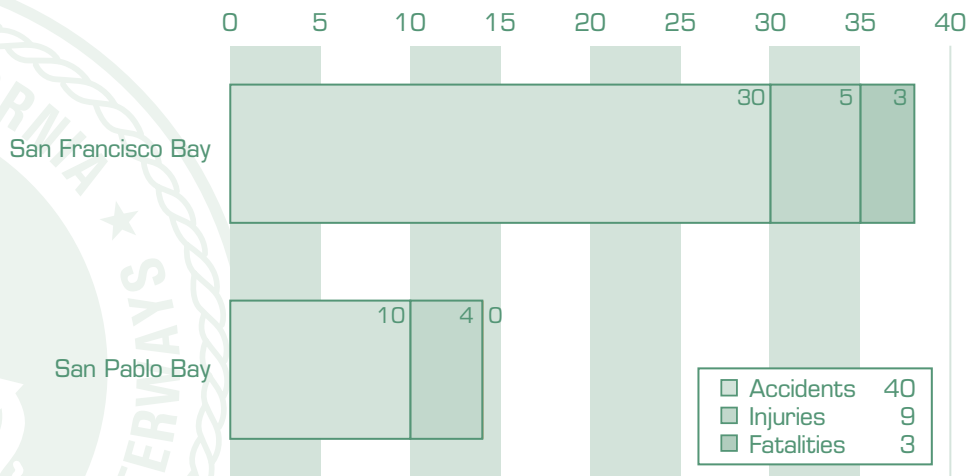
Summary Statistics



The San Francisco Bay Area accounts for 8% of Northern Californian boating accidents.

* The San Francisco Bay Area includes San Francisco and San Pablo Bays, as well as the San Mateo and San Francisco County Coastlines and the Marin County Coastline north to Point Reyes.

2001 San Francisco Bay Area Boating Accidents by Location



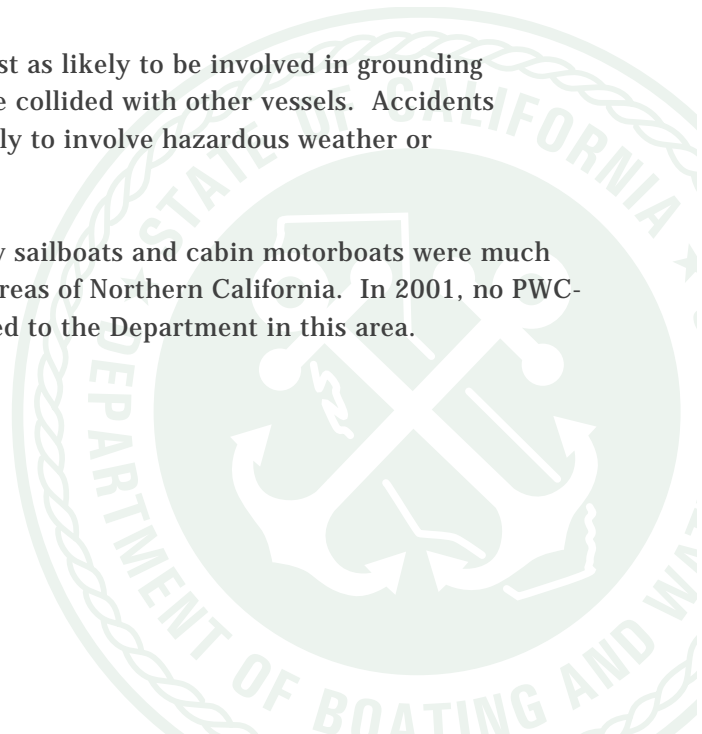
Noteworthy Accident Statistics

Accidents Involving	SF Bay Area	Nor Cal	California
Types			
Flooding/Swamping	15%	8%	8%
Grounding	23%	11%	11%
Type of Vessel			
Auxiliary Sailboats	33%	5%	7%
Cabin Motorboats	33%	13%	16%
Personal Watercraft	0%	23%	30%
Vessels that were			
Operated by Owner	59%	49%	44%
Operator Age			
Over 40	67%	36%	33%

The majority of boating accidents in the San Francisco Bay area involved operators who were over 40 years of age. In fact, the youngest operator involved in a boating accident in this area was 31 years old. 59% of operators involved in accidents were also the owners of the craft.

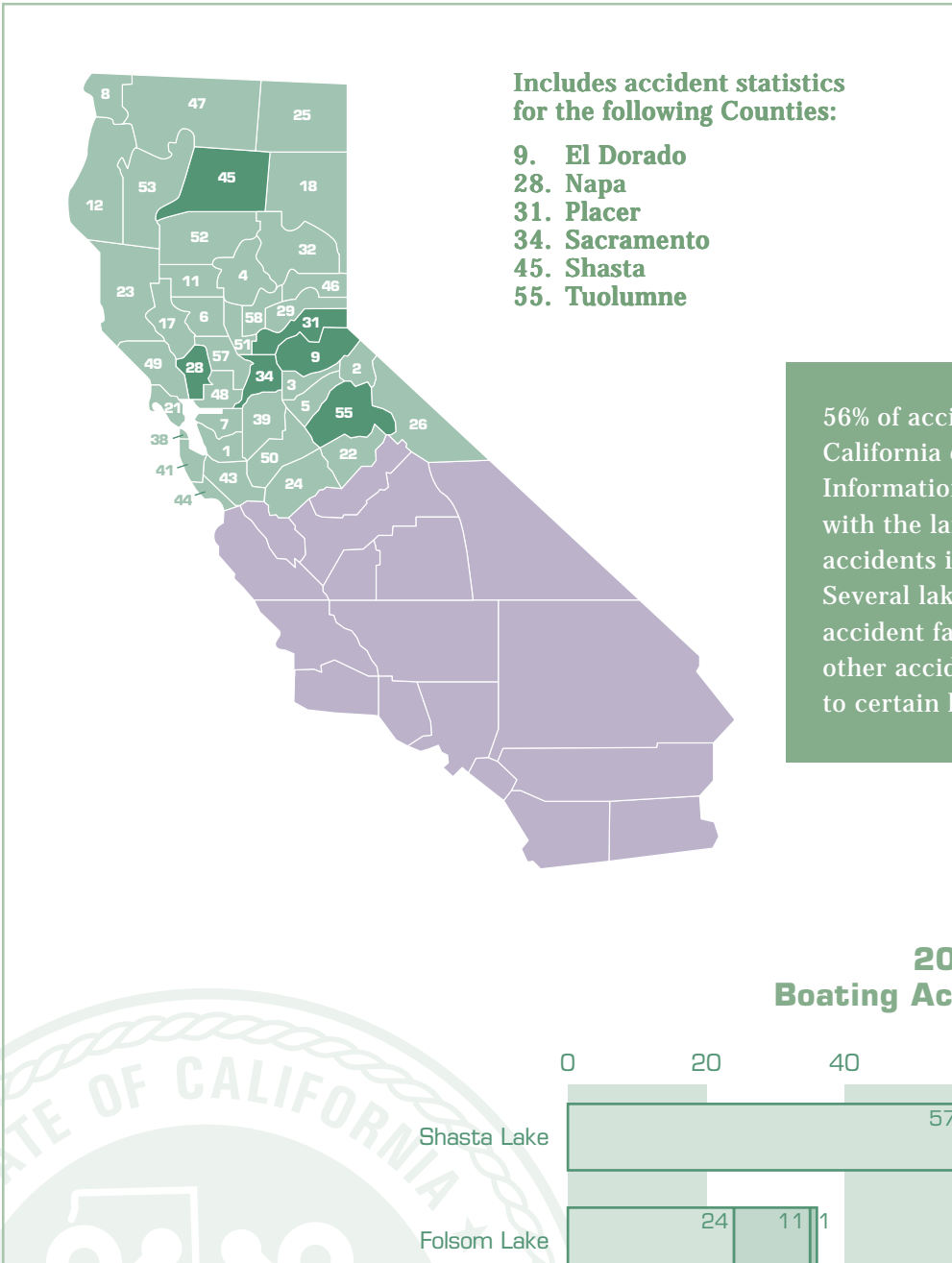
Additionally, vessels were just as likely to be involved in grounding accidents as they were to have collided with other vessels. Accidents also were somewhat more likely to involve hazardous weather or water conditions.

Accidents involving auxiliary sailboats and cabin motorboats were much more common than in other areas of Northern California. In 2001, no PWC-related accidents were reported to the Department in this area.



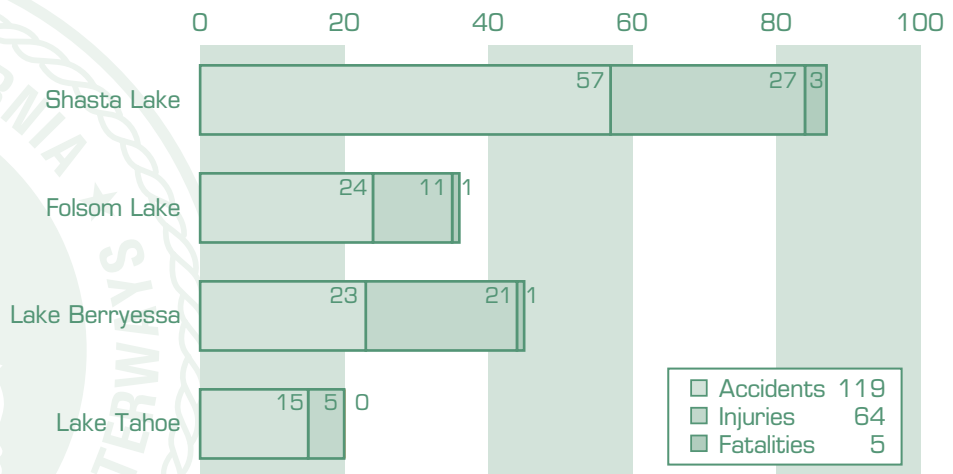
Northern Lakes

Summary Statistics



56% of accidents in Northern California occurred on lakes. Information concerning the lakes with the largest number of boating accidents is included below. Several lakes have a number of accident factors in common while other accident factors are unique to certain lakes.

2001 Northern Lakes Boating Accidents by Location



Noteworthy Accident Statistics

Accidents Involving	Shasta Lake	Nor Cal	California
Type of Vessel			
Houseboats	37%	8%	5%
Open Motorboats	63%	57%	50%
Personal Watercraft	16%	23%	30%
Vessels that were			
Rented	28%	13%	12%
Operator Age			
Under 18	0%	11%	12%

Accidents involving water skiing activities, houseboats, open motorboats, and rented vessels were much more common on Shasta Lake than either regionally or statewide. Additionally in 2001, no operators under 18 years of age were involved in accidents.

Accidents on Lake Berryessa were more likely to involve operators 40 years of age and under. Additionally, the percentage of operators involved in accidents who were younger than 18 years of age was higher than regional or statewide totals. Falls overboard, excessive speed, accidents involving open motorboats, PWC, water skiing, and rented vessels were also common.

Accidents Involving	Lake Berryessa	Nor Cal	California
Types			
Falls Overboard	26%	7%	8%
Water Skiing	26%	20%	14%
Causes			
Excessive Speed	57%	28%	32%
Type of Vessel			
Open Motorboats	48%	57%	50%
Personal Watercraft	57%	23%	30%
Operator Age			
Under 18	19%	11%	12%
40 and Under	89%	64%	67%

Accidents Involving	Folsom Lake	Nor Cal	California
Types			
Collisions	54%	32%	38%
Causes			
Excessive Speed	46%	28%	32%
Operator Inattention	50%	33%	36%
Type of Vessel			
Personal Watercraft	58%	23%	30%
Operator Age			
40 and Under	81%	64%	67%
Other Factors			
Holiday Weekends	33%	23%	21%

Accidents on Folsom Lake were more likely to involve collisions, occur on holiday weekends, involve PWC, and operators 40 years of age and under. Many accidents also involved operator inattention and excessive speed.

Accidents on Lake Tahoe were more likely to involve open motorboats, capsizing, and rented vessels. Additionally, the percentages of operators younger than 18 exceeded regional and statewide totals.

Accidents Involving	Lake Tahoe	Nor Cal	California
Types			
Capsizing	13%	7%	7%
Type of Vessel			
Open Motorboats	60%	57%	50%
Vessels that were			
Rented	29%	13%	12%
Operator Age			
Under 18	44%	11%	12%

Northern California

General Statistics



2001 Northern California Boating Accident Comparison

	CA	Nor Cal	Delta	SF Bay	Shasta Lake	Lake Berryessa	Folsom Lake	Lake Tahoe
Types								
Capsizing	7%	7%	6%	13%	4%	4%	0%	13%
Collisions	38%	32%	28%	23%	39%	26%	54%	27%
Falls overboard	8%	7%	5%	5%	5%	26%	13%	0%
Flooding/Swamping	8%	8%	13%	15%	5%	0%	13%	7%
Grounding	11%	11%	16%	23%	5%	4%	8%	7%
Water Skiing	14%	20%	12%	0%	33%	26%	13%	13%
Causes								
Excessive Speed	32%	28%	26%	10%	16%	57%	46%	20%
Hazardous Weather/Water	11%	16%	16%	18%	0%	0%	17%	13%
Operator Inattention	36%	33%	31%	28%	21%	22%	50%	40%
Operator Inexperience	47%	45%	36%	50%	40%	52%	63%	40%
Type of Vessel								
Auxiliary Sailboats	7%	5%	2%	33%	0%	0%	8%	0%
Cabin Motorboats	16%	13%	27%	33%	5%	0%	0%	7%
Houseboats	5%	8%	12%	0%	37%	0%	0%	0%
Open Motorboats	50%	57%	63%	20%	63%	48%	58%	60%
Personal Watercraft	30%	23%	11%	0%	16%	57%	58%	27%
Vessels that are								
Borrowed	26%	22%	13%	10%	10%	48%	32%	0%
Operated by Owner	44%	49%	61%	59%	31%	31%	51%	38%
Rented	12%	13%	6%	6%	28%	14%	8%	29%
Operator Age								
Under 18	12%	11%	2%	0%	0%	19%	15%	44%
40 and Under	67%	64%	52%	33%	57%	89%	81%	67%
Over 40	33%	36%	48%	67%	43%	11%	19%	33%
Other Factors								
Holiday weekends	21%	23%	21%	8%	18%	43%	33%	13%
Weekends	52%	55%	59%	48%	56%	56%	54%	47%

