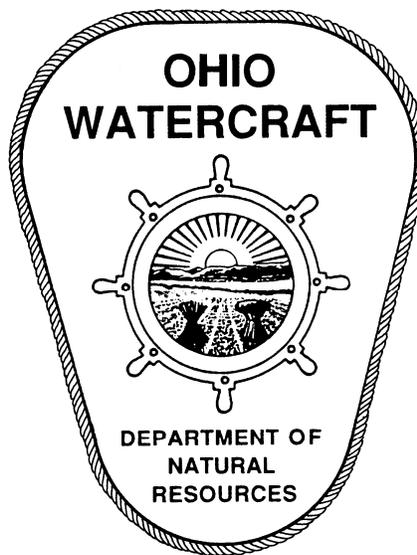


**OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WATERCRAFT**

**2010
RECREATIONAL BOATING ACCIDENTS**



**A STATISTICAL SUMMARY OF THE REPORTABLE BOATING
ACCIDENTS IN THE STATE OF OHIO FOR CALENDAR YEAR 2010**

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Table of Contents

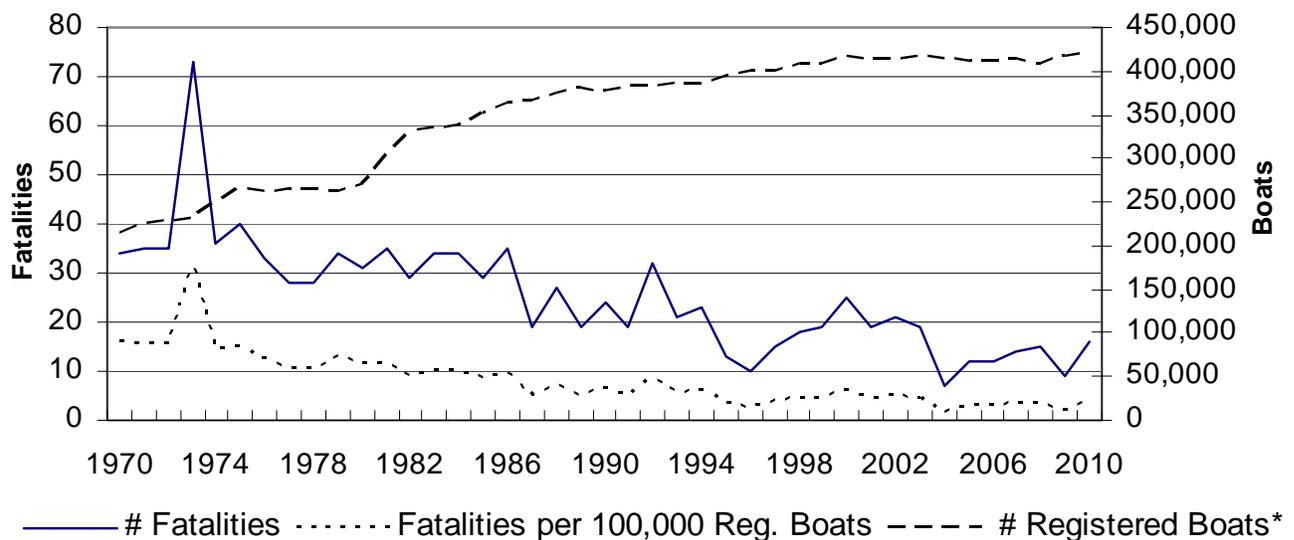
Introduction	1
Ohio Boating Accidents 1970-2010	2
Accident Types	3
Accident Causes	5
Accident Times	7
Vessel Data	8
Operator Data	9
Education Certificates	10
Fatality Data	11
Injury Data	12
Accidents by Body of Water and Accident Type	13
2006-2010 Accident Summary by Body of Water	14
Boating Accident Reporting Guidelines	16

Introduction

In order to best utilize the state's resources, a thorough review of boating accident statistics, officer activities, and registration information is essential. In 2010, a total of 157 reports were filed for boating accidents involving 201 vessels, and resulting in 80 injuries and 16 fatalities.

The ratio of boating fatalities as compared to the number of registered boats in the state increased from 2.2 fatalities per 100,000 registered vessels in 2009 to 3.8 fatalities per 100,000 registered vessels in 2010. The average over the 2006-2010 period was 3.2 fatalities per 100,000 registered boats, continuing the Division of Watercraft's established goal to reduce fatalities to no more than 3.2 fatalities per 100,000 registered boats over a five-year period.

Ohio History of Fatalities Compared to Registered Boats



All states and territories are required to report recreational boating accidents to the United States Coast Guard, where data is compiled nationally. This national data is available through the United States Coast Guard website at: http://www.uscgboating.org/statistics/accident_statistics.aspx

The United States Coast Guard standard for reporting accidents is established within Title 33, Section 173 of the Code of Federal Regulations. One-hundred twenty-seven of the accidents in this report met those guidelines.

Section 1547.59 of the Ohio Revised Code outlines reporting requirements within the state of Ohio. The primary difference between United States Coast Guard reporting requirements and state of Ohio reporting requirements lies in the threshold for property damage. United States Coast Guard reporting requirements call for at least \$2000 in property damage to meet reporting standards, while in Ohio this threshold stands at \$500.

Complete reporting guidelines for both the United States Coast Guard and the state of Ohio can be found on pages 16-18 of this report.

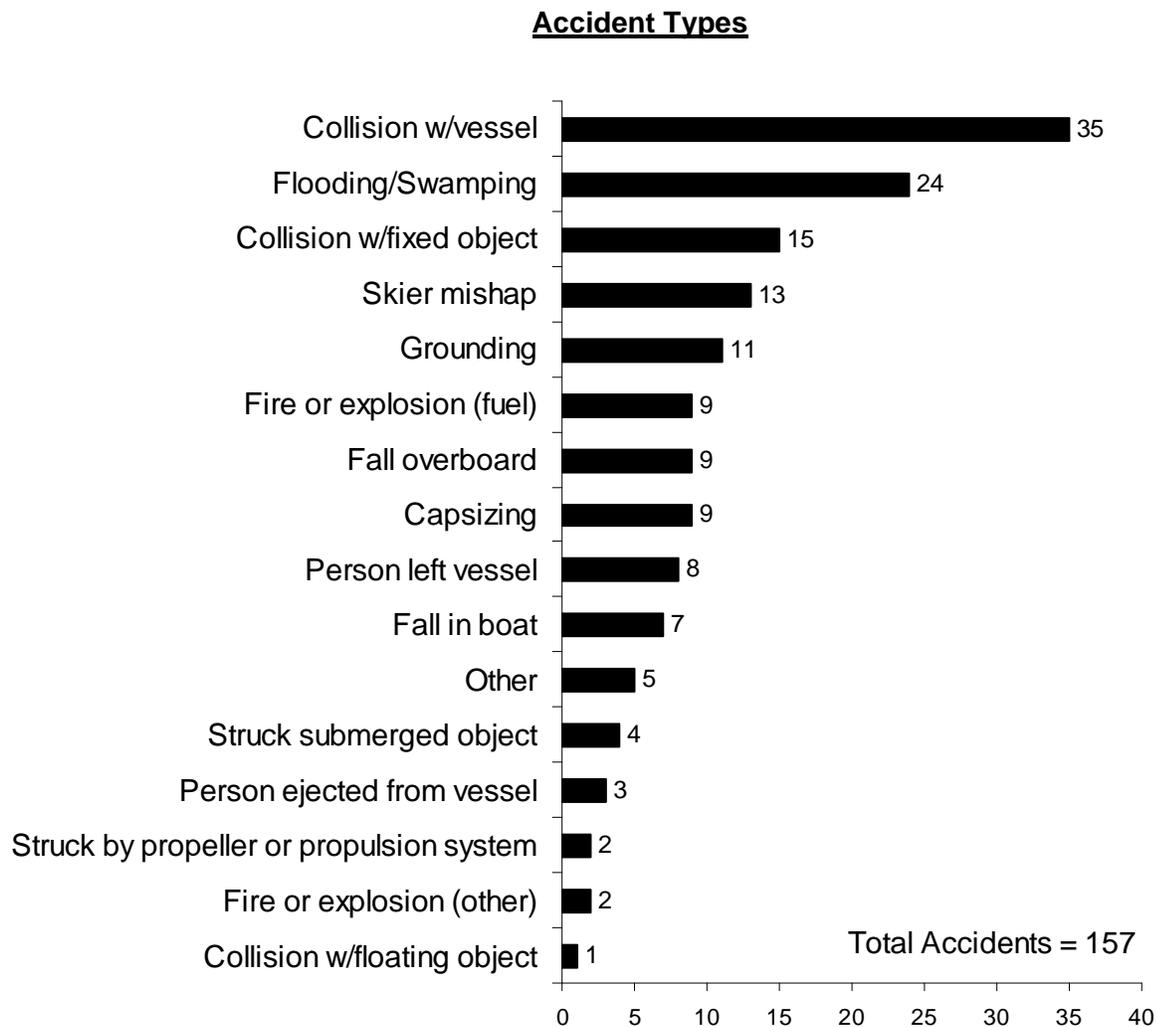
Ohio Boating Accidents 1970-2010

Year	# Fatalities	# Accidents	# Vessels	# Injuries	# Registered Boats*	Fatalities per 100,000 Registered Boats
1970	34	84	103	11	212,405	16.0
1971	35	97	125	21	224,806	15.6
1972	35	97	124	12	226,424	15.5
1973	73	145	174	33	231,379	31.5
1974	36	138	170	14	250,304	14.4
1975	40	101	127	29	263,109	15.2
1976	33	133	155	24	262,937	12.6
1977	28	128	155	11	265,765	10.5
1978	28	163	220	26	263,366	10.6
1979	34	94	130	59	260,229	13.1
1980	31	97	131	43	270,092	11.5
1981	35	100	131	45	304,880	11.5
1982	29	114	148	52	330,126	8.8
1983	34	125	164	58	334,423	10.2
1984	34	178	236	78	338,184	10.1
1985	29	208	277	71	351,394	8.3
1986	35	226	288	55	361,883	9.7
1987	19	251	323	78	366,289	5.2
1988	27	215	262	67	375,194	7.2
1989	19	170	202	64	380,412	5.0
1990	24	124	166	53	378,249	6.3
1991	19	168	219	98	383,136	5.0
1992	32	156	205	58	382,218	8.4
1993	21	136	187	65	384,048	5.5
1994	23	176	236	102	385,206	6.0
1995	13	294	405	118	394,885	3.3
1996	10	263	366	121	398,388	2.5
1997	15	198	280	85	399,888	3.8
1998	18	228	296	100	407,688	4.4
1999	19	232	313	115	407,347	4.7
2000	25	191	261	82	416,798	6.0
2001**	19	176	247	90	414,658	4.6
2002	21	191	249	82	414,060	5.1
2003	19	160	226	83	415,597	4.6
2004	7	143	190	59	412,248	1.7
2005	12	166	230	96	410,445	2.9
2006	12	143	173	69	410,245	2.9
2007	14	155	202	80	413,102	3.4
2008	15	164	197	112	408,931	3.7
2009	9	138	174	57	416,938	2.2
2010	16	157	201	80	422,243	3.8

** United States Coast Guard boating fatality criteria changed

* Includes numbered and alternative recreational vessels; excludes documented vessels and livery vessels

2010 Ohio Boating Accidents



Collisions between vessels resulted in 22% (35) of the reportable accidents in 2010, an increase of 2% as compared to 2009. These collisions involved 35% (71) of the vessels, and accounted for \$136,303 (28%) in boat damages, 19% (15) of the injuries, and 1 (6%) of the fatalities. Operator Inattention was cited most frequently as the primary contributing factor in these accidents, accounting for 11 (31%) of all reportable incidents in 2010.

The Division of Watercraft continues to focus on decreasing incidents of flooding/swamping and capsizing of small vessels (less than 18 feet), as well as falls overboard from these smaller vessels. Combined, these three types of accidents on vessels less than 18 feet in length accounted for 16% (25) of the reportable accidents for 2010, resulting in 13 injuries (16%) and 31% (5) of the fatalities. Of the vessels involved in these incidents, there were 2 canoes, 13 open motorboats, 4 personal watercraft, 3 rowboats, 1 sailboat, and 2 paddle boats.

Although the primary focus of the “Operation Overboard” campaign is on smaller vessels (less than 18 feet in length), it is interesting to note that when all vessels are considered (regardless of length) the number of incidents involving flooding/swamping, capsizing and falls overboard increases to 27% (42) of reportable accidents and 7 (44%) of the fatalities in 2010.

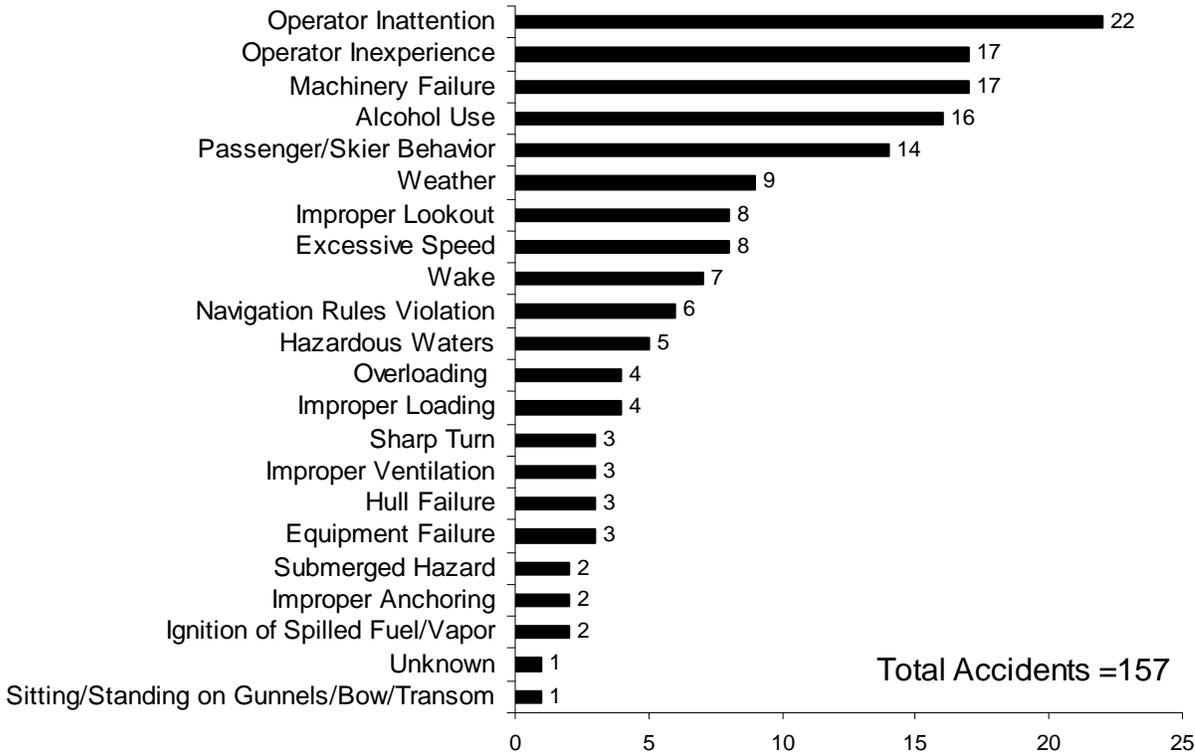
Accident Types by Boat Type

Accident Type	Unknown/Other	Auxiliary Sail	Cabin Motorboat	Canoe	Open Motorboat	Paddle	Pontoon	PWC	Rowboat	Sail Only
Capsizing	0	1	0	2	3	0	0	1	2	0
Collision with Fixed Object	0	1	6	0	4	0	1	2	1	0
Collision with Floating Object	0	0	1	0	1	0	0	1	0	0
Collision with Vessel	4	2	18	0	22	0	7	18	0	0
Fall in Boat	0	0	3	0	3	0	0	1	0	0
Fall Overboard	0	0	1	0	4	0	1	2	1	0
Fire or Explosion (Fuel)	0	0	5	0	4	0	0	0	0	0
Fire or Explosion (Other)	0	0	1	0	0	0	1	0	0	0
Flooding/Swamping	0	0	3	0	17	2	1	1	0	0
Grounding	0	0	4	0	7	0	0	0	0	0
Other	1	0	0	0	1	0	3	2	1	1
Person Ejected from Vessel	0	0	0	0	0	0	0	3	0	0
Person Left Vessel	0	0	3	0	3	1	0	1	0	1
Person Struck by Boat	0	0	0	0	0	0	0	1	0	0
Skier Mishap	0	0	2	0	10	0	1	0	0	0
Struck by Propeller/Propulsion Unit	0	0	0	0	2	0	0	0	0	0
Struck Submerged Object	0	0	0	0	4	0	0	0	0	0
Total Vessels	5	4	47	2	85	3	15	33	5	2

Vessels, Injuries, and Fatalities by Accident Type

Accident Type	# Vessels	# Injured	# Fatalities
Collision with Vessel	71	15	1
Flooding/Swamping	24	7	0
Collision with Fixed Object	15	5	0
Skier Mishap	13	14	0
Grounding	11	3	0
Capsizing	9	3	4
Fall Overboard	9	5	3
Fire or Explosion (Fuel)	9	10	1
Other	9	3	2
Person Left Vessel	9	3	5
Fall in Boat	7	7	0
Struck Submerged Object	4	0	0
Collision with Floating Object	3	1	0
Person Ejected from Vessel	3	2	0
Fire or Explosion (Other)	2	0	0
Struck by Propeller/Propulsion Unit	2	2	0
Person Struck by Boat	1	0	0

Accident Causes



Operator Inattention was reported as the leading cause of boating accidents in 2010 (22 accidents; 14%).

Alcohol Use was reported as the primary causative factor in 16 accidents (10%) resulting in 9% (7) of the injuries and 44% (7) of the fatalities.

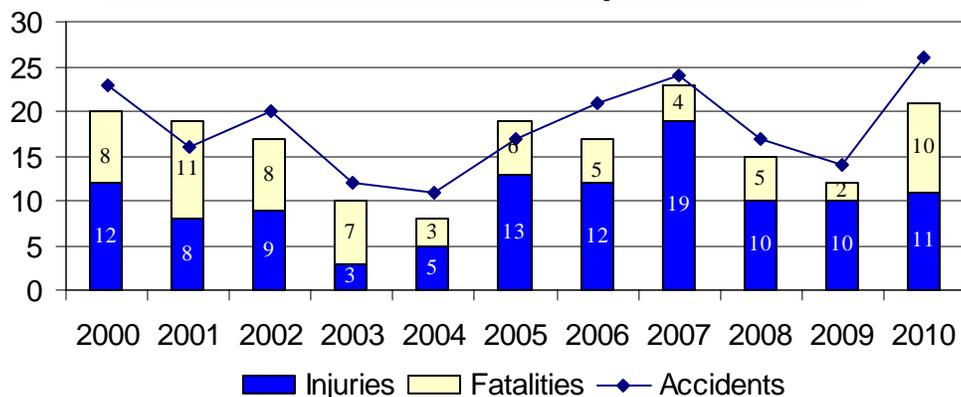
Actions at the Time of the Accident

<u>Operation</u>		<u>Activity</u>	
Cruising	58	Pleasure Boating	114
Drifting	29	Fishing	27
Tied to dock/moored	20	Water Tubing	14
Docking/Leaving Dock	17	Docked/Docking	10
Changing speed	16	Other/Unknown	10
Towing	13	Water Skiing	6
Changing Speed and Direction	11	Swimming	6
Changing direction	9	Towing/Being Towed	4
Launching	7	Making Repairs	3
At anchor	6	Hunting	3
Other/Unknown	5	Fueling	2
Rowing/Paddling	4	Tournament	1
Sailing	3	Starting Engine	1
Being towed	3		

Accident Cause by Accident Type

Primary Cause for Vessel	Capsizing	Collision with Fixed Object	Collision with Floating Object	Collision with Vessel	Fall in Boat	Fall Overboard	Fire or Explosion (Fuel)	Fire or Explosion (Other)	Flooding/Swamping	Grounding	Other	Person Ejected from Vessel	Person Left Vessel	Person Struck By Vessel	Skier Mishap	Struck by Propeller/Propulsion Unit	Struck Submerged Object
Alcohol Use	0	2	1	11	0	2	0	0	0	1	1	0	4	0	1	0	0
Equipment Failure	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0
Excessive Speed	1	1	1	6	1	0	0	0	2	0	2	0	0	0	0	0	0
Hazardous Waters	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	2
Hull Failure	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
Ignition of Spilled Fuel/vapor	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0
Improper Anchoring	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
Improper Loading	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
Improper Lookout	0	2	1	10	0	1	0	0	0	0	0	0	0	0	0	0	0
Improper Ventilation	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0
Machinery Failure	0	4	0	1	0	0	5	2	4	2	0	0	0	0	0	0	0
Navigation Rules Violation	0	0	0	7	1	1	0	0	0	0	0	0	0	1	0	0	0
Operator Inattention	1	2	0	22	0	0	0	0	1	3	2	0	1	0	1	2	0
Operator Inexperience	1	1	0	12	1	1	0	0	2	3	0	1	0	0	0	0	1
Overloading	1	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
Passenger/Skier Behavior	0	1	0	0	1	1	0	0	0	0	1	0	2	0	8	0	0
Sharp Turn	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0
Sitting/Standing on the Gunnels/Bow/Transom	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Submerged Hazard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Wake	0	0	0	0	1	1	0	0	1	0	3	1	0	0	1	0	0
Weather	2	1	0	0	0	1	0	0	5	0	0	0	0	0	0	0	0
Total Vessels	9	15	3	71	7	9	9	2	24	11	9	3	9	1	13	2	4

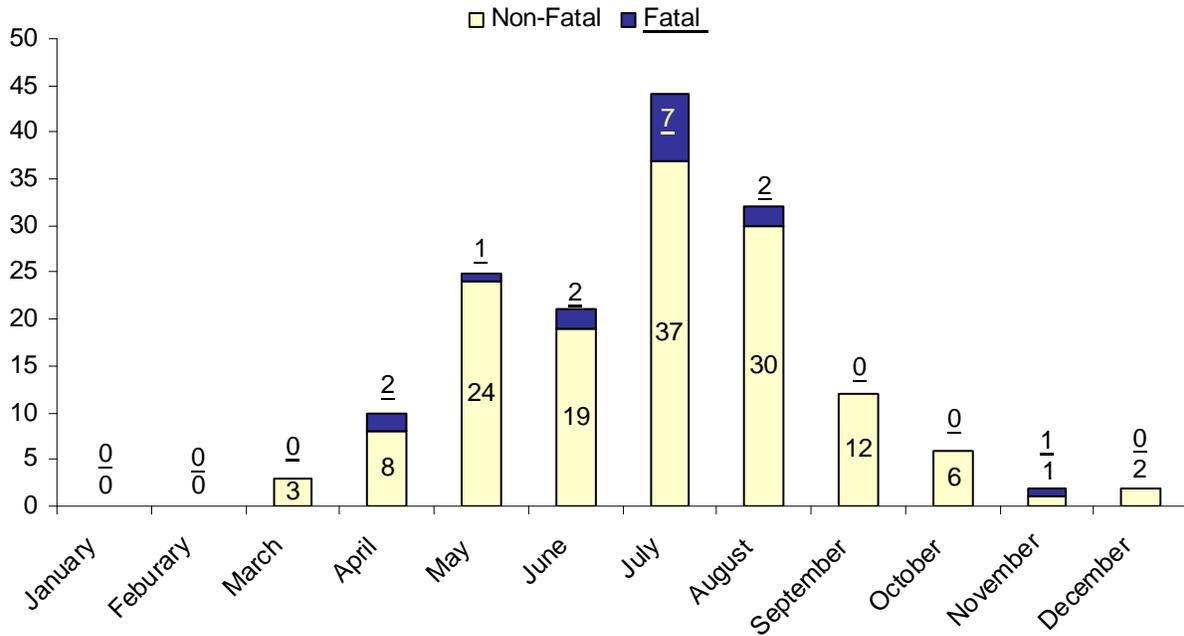
Alcohol Involved: Accidents – Injuries – Fatalities



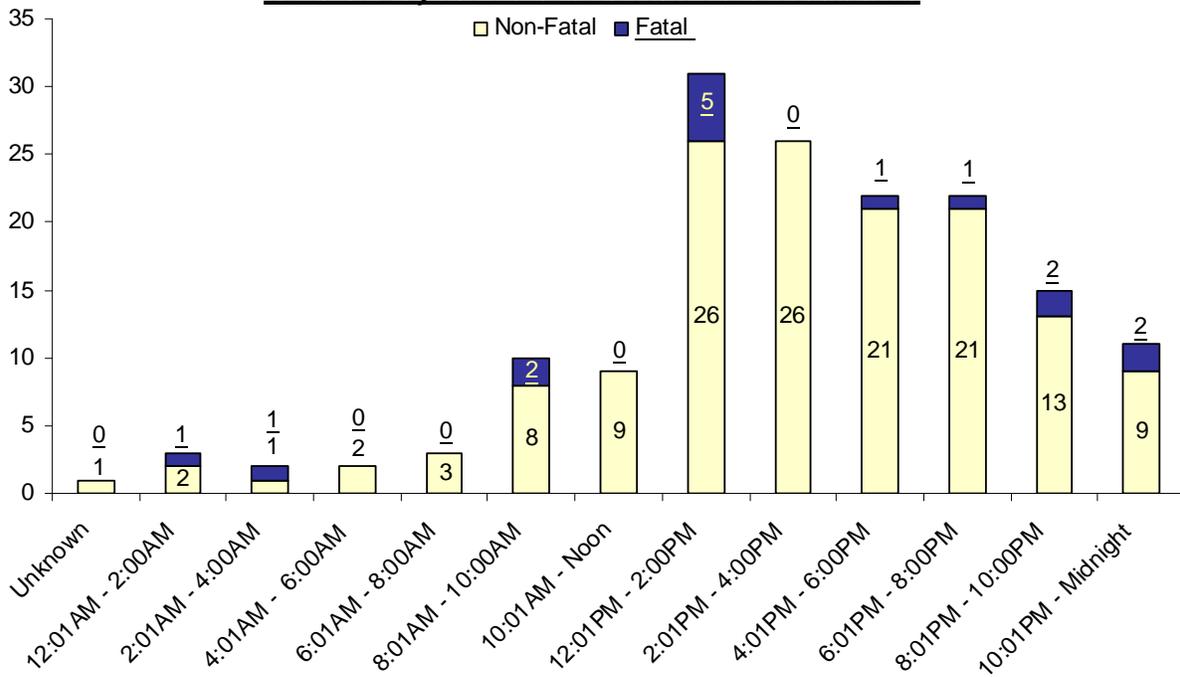
In addition to those accidents where alcohol was listed as the primary cause (see page 5), there were an additional 10 accidents (6%) in 2010 that were alcohol involved (defined as an accident where there is evidence or a reasonable likelihood that the use of alcohol contributed to the accident). These accidents accounted for 4 additional injuries (5%) and 3 additional fatalities (19%).

Accident Times

Month for Fatal and Non-Fatal Accidents

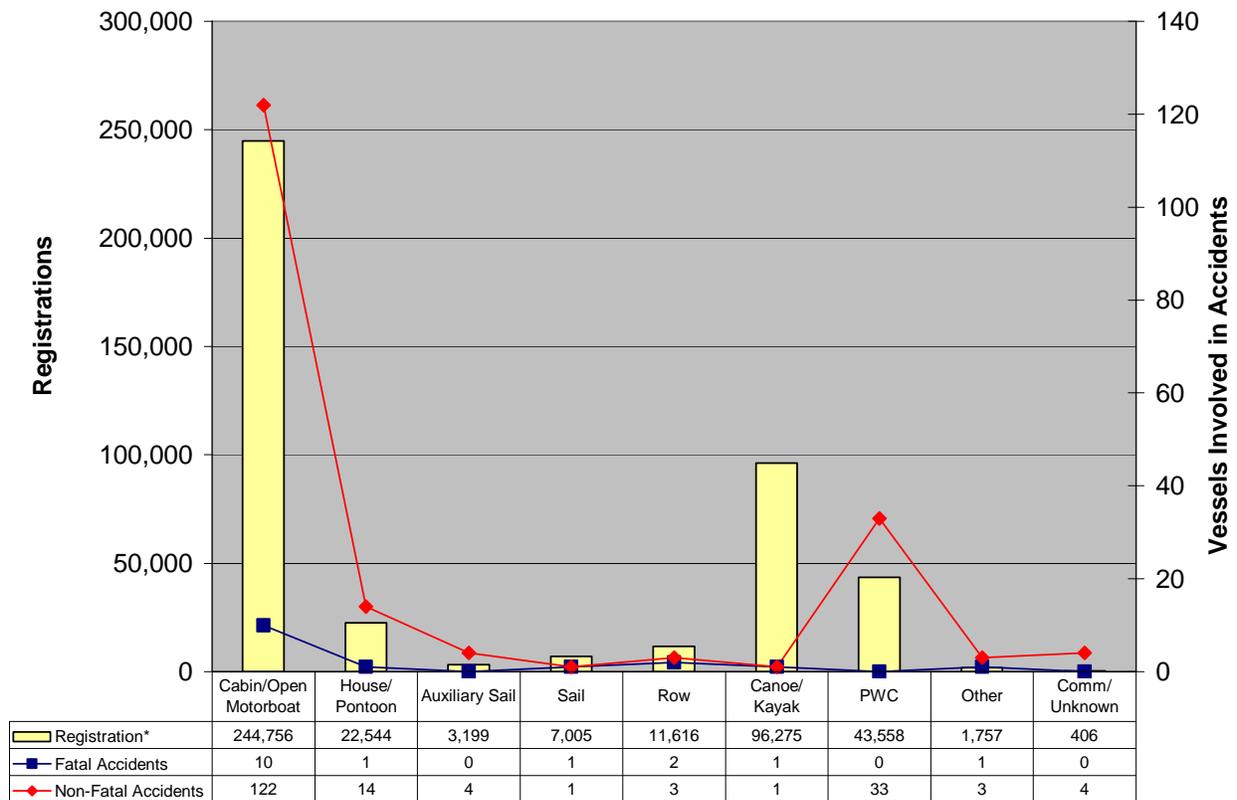


Time of Day for Fatal and Non-Fatal Accidents



Vessel Data

Registrations and Vessels Involved in Accidents by Boat Type



* Includes all recreational, commercial, documented, and livery vessels.

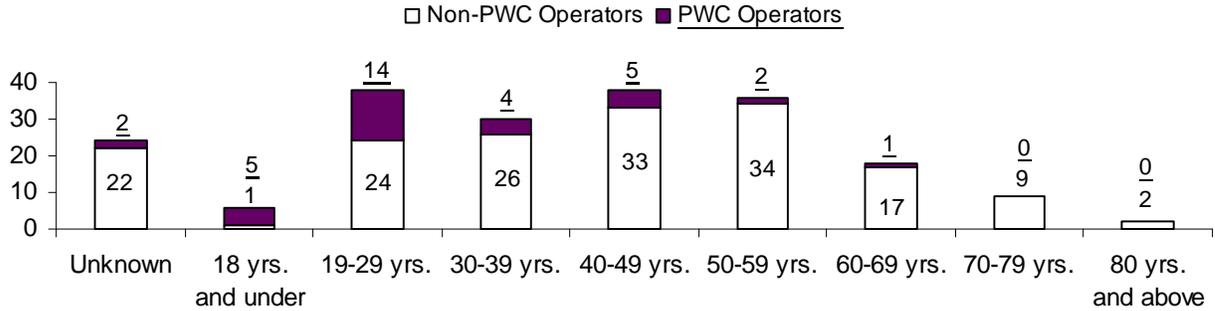
Boat Operator Versus Ownership

	Owner or Operator Unknown	Owner Operated Vessel	Someone Other Than Owner Operated Vessel
Auxiliary Sail	1	3	0
Cabin Motorboat	6	26	15
Canoe/Kayak	0	1	1
Open Motorboat	6	52	27
Other	0	3	5
Pontoon/Houseboat	2	7	6
PWC	1	6	26
Rowboat	0	1	4
Sail Only	0	1	1
Total	16	100	85

The owner and operator were known/identified for 185 of the vessels involved in accidents in 2010. Approximately 46% of all vessels involved in accidents in 2010 (when the owner and operator were identified) were operated by someone other than the owner of the vessel.

Operator Data

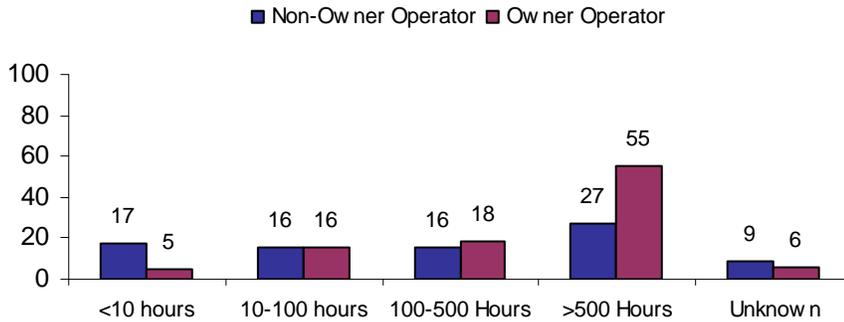
Operator Age



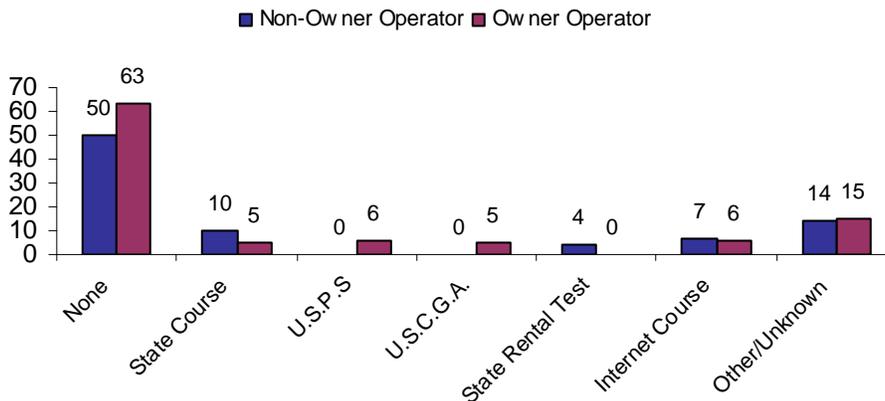
The age of 177 of the operators involved in accidents in 2010 was reported. The average age for these 177 operators was 43.5 years.

The average age of PWC operators was 30.0 years; the average age of all other vessel operators was 46.4 years.

Operator Experience

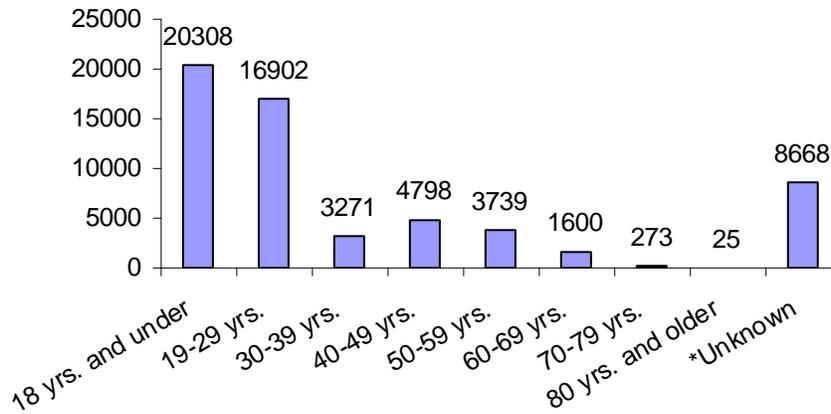


Operator Education



Education Certificates

Age for Education Certificates Issued 2006-2010

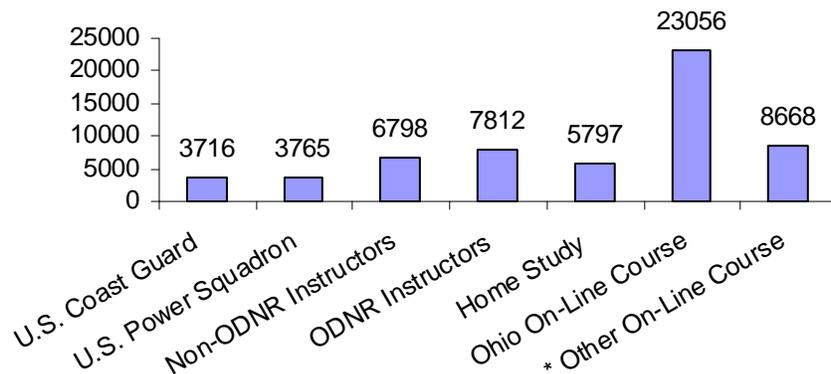


* Includes Boat U.S. (2007-2010) and BoaterExam.com (2008-2010)

Since 2000, Ohio law has required persons who operate a vessel with a motor greater than 10 horsepower, and born on or after January 1, 1982, to pass a boating safety exam.

In 2010, there were 34 operators involved in accidents that were affected by this law; 13 (38%) had not passed the required exam. One of these non-certified operators was operating an auxiliary sail vessel, 1 was operating a cabin motorboat, 5 were operating an open motorboat, and 6 were operating a PWC.

Education Certificates Issued by Organization 2006-2010



* Includes Boat U.S. (2007-2010) and BoaterExam.com (2008-2010)

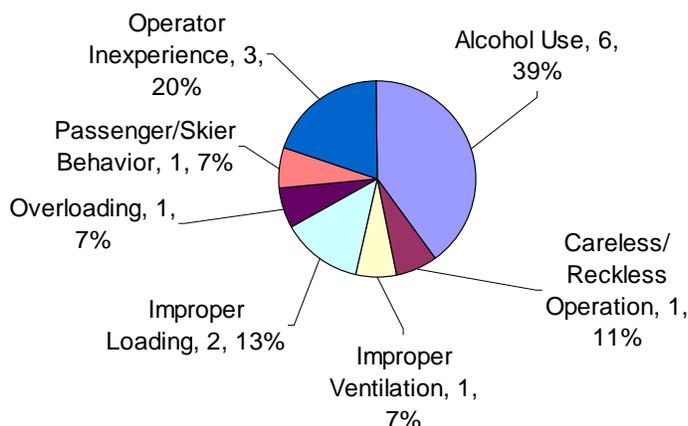
From 2006 through 2010, a total of 59,612 boater education certificates were awarded. Seventy-three percent of those certified (of the 50,916 for whom an age was available) fell within the required age group.

Fatality Data

Fatal Accidents by Accident Type and Body of Water

Body of Water	Capsizing	Collision with Vessel	Fall Overboard	Fire or Explosion (Fuel)	Other	Person Left Vessel
Alum Creek Reservoir		1				
Hoover Reservoir			1			
Indian Lake						1
Jockey Hollow Wildlife Area	1					
Lake Erie				1	1	3
Little Muskingum River	1					
Mogadore Reservoir			1			
Ohio River			1			
Private Pond	1					1
Tappan Lake	1					
Total	4	1	3	1	1	5

Fatal Accident Causes



The cause of death in eleven (69%) of these fatalities was drowning; hypothermia accounted for two fatalities (13%); trauma accounted for one fatality (6%); and other causes were responsible for the final two fatalities (13%).

None of the victims were wearing a personal flotation device (PFD) prior to the incident.

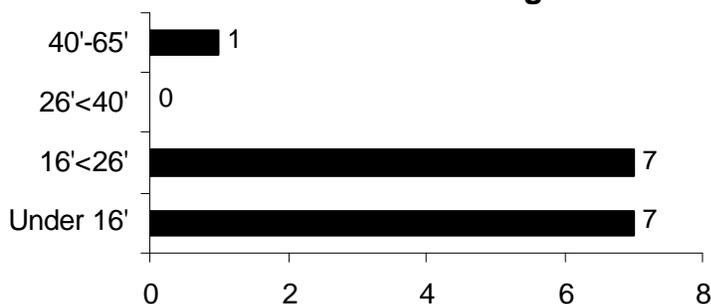
Fourteen of the victims were male and two were female. Victims ranged in age from 20 to 75, with the average age being 49.

In 2010, there were 15 fatal accidents resulting in 16 fatalities.

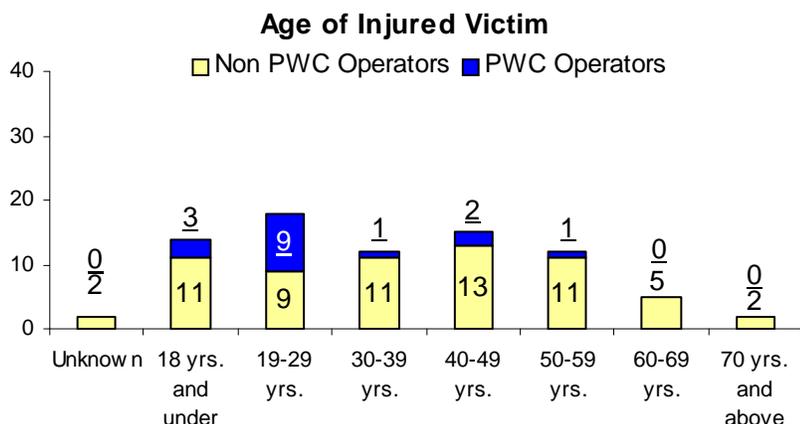
The vessels involved in these fatal accidents included 6 open motorboats, 3 cabin motorboats, 2 rowboats, 1 canoe, 1 paddle boat, 1 pontoon boat, and 1 sail only vessel.

Eight (53%) the operators involved in these fatal accidents did not own the vessel involved in the fatal boating accident, and none of the operators reported that they had taken a boating education course.

Fatal Accident Boat Length

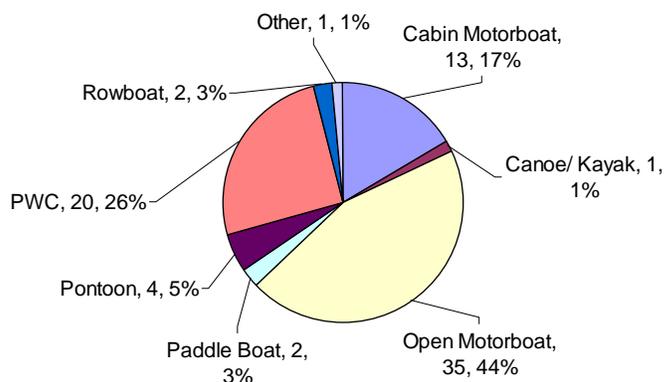


Injury Data



<u>Activity</u>	<u># Injuries</u>
Pleasure Boating	49
Water Skiing/Tubing	19
Other	1
Fishing	6
Starting Engine	2
Swimming/Diving	3

Boat Type Involved in Injuries



There were 62 accidents reported that resulted in 80 injuries in 2010.

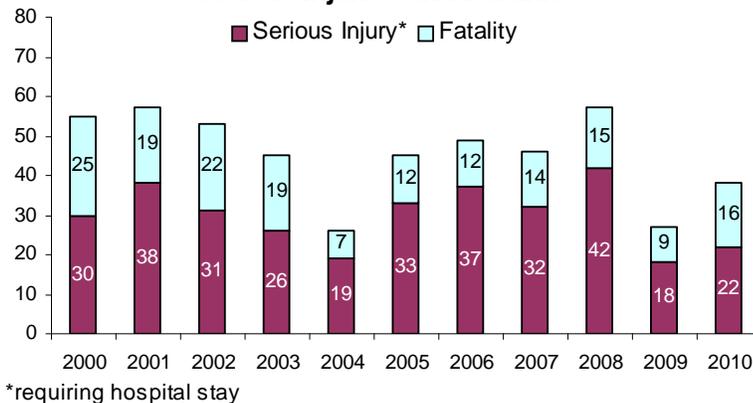
Collisions with a vessel, fixed object or floating object accounted for 29% (18) of these accidents, while skier mishap accounted for 23% (14) of the injury incidents.

The top-ranked cause for accidents resulting in an injury was passenger/skier behavior (13, 21%). Alcohol use was reported as the primary contributing factor in 7 (11%) of these injury accidents.

There were 78 vessels involved in the 62 accidents that resulted in the 80 injuries.

The boater education background was reported for 68 of those operators; 75% (51) reported they had not participated in a boater education program.

Serious Injuries and Fatalities



2010 Boating Accidents by Body of Water and Accident Type

Body of Water	Total Vessels	Capsizing	Collision w/ fixed object	Collision w/ floating object	Collision w/ vessel	Fall in boat	Fall overboard	Fire or explosion (fuel)	Fire or explosion (other)	Flooding/Swamping	Grounding	Other	Person ejected from vessel	Person left vessel	Person struck by boat	Skier mishap	Struck by Propeller/Prop Unit	Struck submerged object
Alum Creek Reservoir	8	0	0	0	4	0	0	0	0	1	1	1	0	0	0	1	0	0
Ashtabula River	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Berlin Reservoir	4	1	0	0	2	0	0	0	0	0	0	0	0	0	0	1	0	0
Buckeye Lake	9	0	0	1	4	0	0	0	0	3	0	0	0	0	0	1	0	0
Caesar Creek	10	0	0	0	6	0	0	1	0	0	0	0	0	0	0	1	2	0
CJ Brown/Buck Creek	5	0	0	0	2	0	1	0	0	1	0	0	0	0	0	1	0	0
Clear Fork Reservoir	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Cuyahoga River	3	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0
Deer Creek Reservoir	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0
Delaware Reservoir	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
East Fork Reservoir/Harsha Lake	3	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1
Grand Lake St. Marys	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
Great Miami River	4	0	0	0	2	0	0	0	0	1	0	1	0	0	0	0	0	0
Hoover Reservoir	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Indian Lake	9	0	2	1	2	0	1	0	0	0	0	0	0	1	0	1	0	1
Jockey Hollow Wildlife Area	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kenton Lake	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Lake Erie	73	1	10	1	25	4	3	4	1	6	8	1	0	6	1	1	0	1
Lake Milton	7	0	0	0	2	1	0	0	1	2	0	1	0	0	0	0	0	0
Lake Mohawk	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Lake Seneca	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Lake White	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Little Miami River	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Little Muskingum River	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maumee River	8	1	0	0	2	0	0	2	0	1	1	0	0	0	0	0	0	1
MJ Kirwan Reservoir/West Branch	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0
Mogadore Reservoir	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Muskingum River	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Ohio River	4	0	0	0	2	0	1	1	0	0	0	0	0	0	0	0	0	0
Portage Lakes State Park	3	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0
Portage River	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Private Lake	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Private Pond	4	1	1	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0
Roaming Shrs/Lake Roaming Rock	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Salt Fork	8	0	0	0	2	0	0	0	0	1	0	4	0	0	0	1	0	0
Scioto River	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tappan Lake	4	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0
Tuscarawas River	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Vessels	201	9	15	3	71	7	9	9	2	24	11	9	3	9	1	13	2	4

2006-2010 Boating Accident Summary by Body of Water

Body of Water	# Accidents	# Vessels	# Injuries	# Fatalities	Total Boat Damages	Total Property Damages
Alum Creek Reservoir	29	35	17	2	\$29,571	\$25,106
Apple Valley Lake	4	5	2	0	\$8,500	\$1,000
Ashtabula River	4	7	0	0	\$41,302	\$0
Atwood Lake	1	2	0	0	\$2,400	\$0
Auglaize River	1	1	0	1	\$1,000	\$2,000
Beaver Creek	1	2	0	0	\$1,000	\$0
Berlin Reservoir	10	14	7	0	\$36,480	\$2,325
Big Darby Creek	1	1	0	1	\$0	\$0
Big Walnut River	1	1	1	0	\$300	\$0
Buckeye Lake	29	41	15	0	\$69,059	\$9,100
Burton Lake	1	1	1	1	\$0	\$0
C J Brown Res/Buck Creek Lake	13	15	6	1	\$29,700	\$1,270
Caesar Creek Reservoir	25	30	17	0	\$24,096	\$431
Candlewood Lake	3	3	2	0	\$2,000	\$500
Chagrin River	1	1	0	0	\$500	\$1,500
Charles Mill Lake	2	2	1	0	\$900	\$0
Chippewa Lake	1	1	2	0	\$500	\$0
Choctaw Lake	1	2	1	0	\$0	\$0
Clear Fork Reservoir	1	1	0	0	\$1,500	\$0
Cooley Canal	1	2	0	0	\$500	\$0
Cowan Lake	2	4	0	0	\$1,775	\$0
Crystal Lake	1	1	0	1	\$50	\$0
Cuyahoga River	5	10	0	0	\$188,967	\$26,333
Deer Creek Reservoir	6	7	3	0	\$8,200	\$600
Delaware Reservoir	8	9	4	0	\$3,449	\$1,575
Dillon Lake	1	1	0	0	\$2,000	\$0
Emerald Lake	1	2	1	0	\$0	\$0
Geauga Lake	1	1	0	1	\$0	\$500
Grand Lake St. Mary's	28	33	9	1	\$42,774	\$4,950
Grand River	2	2	3	0	\$3,400	\$0
Great Miami River	4	6	3	1	\$200	\$0
Griggs Reservoir	4	4	2	0	\$1,950	\$0
Harsha Lake/East Fork Reservoir	24	27	28	3	\$12,600	\$5,500
Hoover Reservoir	1	1	0	1	\$0	\$0
Huron River	2	3	1	0	\$5,500	\$0
Indian Lake	30	38	17	1	\$32,176	\$2,800
Jockey Hollow Wildlife Area	1	1	0	1	\$0	\$0
Kenton Lake	1	1	3	0	\$0	\$0
Lake Erie	276	350	127	19	\$3,911,365	\$164,642
Lake Loramie	1	1	2	0	\$0	\$100
Lake Lorelei	1	1	0	1	\$0	\$0
Lake Milton	9	11	6	1	\$16,579	\$700
Lake Mohawk	2	2	3	0	\$0	\$0
Lake Otto	1	1	0	1	\$0	\$0
Lake Seneca	1	1	1	0	\$0	\$0
Lake Shawnee	2	2	0	1	\$4,500	\$0
Lake Wapusun	1	1	1	1	\$0	\$0

Body of Water	# Accidents	# Vessels	# Injuries	# Fatalities	Total Boat Damages	Total Property Damages
Lake Waynoka	1	1	0	1	\$0	\$0
Lake White	2	2	2	0	\$7,800	\$8,000
Leesville Lake	1	1	1	0	\$2,000	\$0
Little Miami River	8	8	3	2	\$1,100	\$2,770
Little Muskingum River	1	1	0	1	\$0	\$0
Mad River	2	2	2	0	\$350	\$0
Maumee River	32	37	15	1	\$51,770	\$8,470
MJ Kirwan Reservoir/West Branch	14	16	10	0	\$12,500	\$290
Mogadore Reservoir	1	1	0	1	\$0	\$0
Mohican River	4	4	3	1	\$1,100	\$150
Mosquito Lake	7	11	4	1	\$20,288	\$1,500
Muskingum River	7	8	6	0	\$33,095	\$2,900
Nimisila Reservoir	1	1	1	0	\$0	\$125
Ohio River	19	26	6	4	\$187,133	\$9,500
Olentangy River	1	1	2	0	\$300	\$0
O'Shaughnessy	1	2	0	0	\$2,400	\$0
Ottawa River	1	2	1	0	\$16,000	\$0
Paint Creek Reservoir	4	4	1	0	\$12,100	\$0
Piedmont Lake	1	1	0	1	\$0	\$0
Pipe Creek	1	1	0	0	\$20,000	\$0
Pleasant Hill	3	5	4	0	\$10,496	\$0
Portage Lakes	7	11	4	0	\$19,581	\$2,150
Portage River	4	5	0	0	\$31,400	\$0
Private Lake	2	2	1	1	\$0	\$0
Private Pond	8	9	5	5	\$500	\$0
Private Quarry	1	2	0	1	\$0	\$0
Pymatuning Lake	3	3	5	0	\$500	\$500
Roaming Shrs/Lake Roaming Rock	5	7	1	0	\$5,500	\$5,300
Rocky Fork Lake	5	6	4	0	\$11,500	\$1,000
Rocky River	4	5	1	0	\$8,000	\$200
Salt Fork Lake	15	18	7	0	\$30,602	\$600
Sandusky River	9	12	5	1	\$67,400	\$0
Sandy Lake	1	1	0	1	\$0	\$0
Scioto River	3	3	2	0	\$1,500	\$0
Seneca Lake	7	8	2	0	\$11,600	\$8,600
Sippo Lake	1	1	1	0	\$300	\$0
Springfield Lake	1	2	0	0	\$300	\$0
St. Joe River	1	1	0	0	\$300	\$150
Tappan Lake	7	8	10	1	\$8,465	\$1,800
Tuscarawas River	3	3	1	1	\$819	\$481
Twin Lakes	1	1	1	0	\$0	\$0
Vermilion River	5	11	0	0	\$14,525	\$590
Walhonding River	1	1	0	1	\$0	\$100
West Reservoir	1	2	0	0	\$500	\$0
Wingfoot Lake	1	1	0	1	\$0	\$0
Wolf Run Lake	1	1	1	0	\$0	\$50
Five-Year Total	755	947	398	66	\$5,076,517	\$306,158

State of Ohio Recreational Boating Accident Guidelines
The Ohio Revised Code, Section 1547.59 states:

The operator of a vessel involved in a collision, accident, or other casualty, so far as the operator can do so without serious danger to the operator's own vessel, crew, and passengers, shall render to other persons affected by the collision, accident, or other casualty such assistance as may be practicable and as may be necessary in order to save them from or minimize any danger caused by the collision, accident, or other casualty. The operator also shall give the operator's name, address, and identification of the operator's vessel in writing to any person injured and to the owner of any property damaged in the collision, accident, or other casualty.

Any person who renders assistance at the scene of a collision, accident, or other casualty involving a vessel is not liable in a civil action for damages or injury to persons or property resulting from any act or omission in rendering assistance or in providing or arranging salvage, towage, medical treatment, or other assistance, except that the person is liable for willful or wanton misconduct in rendering assistance. Nothing in this section precludes recovery from any tortfeasor causing a collision, accident, or other casualty of damages caused or aggravated by the rendering of assistance.

In the case of collision, accident, or other casualty involving a vessel, the operator thereof, if the collision, accident, or other casualty results in loss of life, personal injury requiring medical treatment beyond first aid, or damage to property in excess of five hundred dollars, shall file with the chief of the division of watercraft a full description of the collision, accident, or other casualty on a form prescribed by the chief. The report so filed shall be used for statistical purposes only and shall not be admissible for any purpose in any civil, criminal, or administrative action at law.

If the operator of the vessel involved in a collision, accident, or other casualty is incapacitated, the investigating law enforcement officer shall file the required form as prescribed by the chief.

U.S. Coast Guard Reportable Recreational Boating Accidents Guidelines

Title 33 of the Code of Federal Regulations, Section 173, Subpart C, Casualty and Accident Reporting, applies to vessels that are used by their operators for recreational purposes, or that are required to be numbered (including those documented for pleasure), except for those vessels required by law to have a Certificate of Inspection. A casualty or accident report must be submitted to the reporting authority if an occurrence involving these vessels or their equipment results in one or more of the following:

- I.
 - a. A person dies; or
 - b. A person is injured and requires medical treatment beyond first aid (i.e., treatment at a medical facility or by a physician other than at the accident scene); or
 - c. Damage to the vessel and other property totals more than \$2,000 (Note: the reporting threshold under 1547 ORC remains \$500) or there is a complete loss of the vessel; or
 - d. A person disappears from the vessel under circumstances that indicate death or injury.
- II. Examples of accidents that are considered reportable as boating accidents, and that might have been prevented or their effects mitigated by specific components of a boating safety program (i.e., by boating courses, public information campaigns, law enforcement, development and enforcement of boat construction or equipment standards, etc.):
 - Grounding, capsizing, sinking, flooding or swamping
 - Falls on, in or overboard a vessel
 - Persons ejected from a vessel
 - Fire or explosions that occur while underway and while anchored, moored or docked if the fire resulted from the vessel or vessel equipment
 - Water-skiing or other mishap involving a towable device
 - Collision with another vessel or object
 - Striking a submerged object
 - A person struck by a vessel, propeller, propulsion unit, or steering machinery
 - Carbon monoxide exposure
 - Electrocutation due to stray current related to a vessel
 - Casualties while swimming from a vessel that is not anchored, moored or docked
 - Casualties where natural causes served as a contributing factor in the death of an individual but the determined cause of death was drowning
 - Casualties from natural phenomena such as interaction with marine life (i.e. leaping sturgeon causes casualty to person) and interaction with nature (i.e. mountain side falls onto vessel causing casualties)
 - Casualties where a person falls off an anchored vessel

III. The following are examples of occurrences directly or indirectly involving a vessel that are generally considered to be outside the scope of a boating safety program and, therefore, are **non-reportable** as boating accidents. While they may or may not be reported in a state on a boating accident report, they are not included in Boating Statistics published annually by the U.S. Coast Guard.

- A person dies, is injured, or is missing as a result of self-inflicted wounds, alcohol poisoning, gunshot wounds, or the ingestion of drugs, controlled substances or poison
- A person dies, is injured, or is missing as a result of assault by another person or persons while aboard a vessel
- A person dies or is injured from natural causes while aboard a vessel
- A person dies, is injured, or is missing as a result of jumping, diving, or swimming for pleasure from an anchored, moored or docked vessel
- A person dies, is injured, or is missing as a result of swimming to retrieve an object or a vessel that is adrift from its mooring or dock, having departed from a place of inherent safety, such as the shore or pier
- Property damage occurs or a person dies, is injured, or is missing while preparing a vessel for launching or retrieving and the vessel is not on the water and capable / ready for its intended use
- Property damage occurs or a person dies, is injured, or is missing as a result of a fire on shore or a pier that spreads to a vessel or vessels
- Property damage occurs to a docked or moored vessel or a person dies, is injured, or is missing from such a vessel as a result of storms, or unusual tidal or sea conditions; or when a vessel gets underway in those conditions in an attempt to rescue persons or vessels
- Property damage occurs to a docked or moored vessel due to lack of maintenance on the vessel or the structure to which it is moored
- Property damage occurs to a docked or moored vessel due to theft or vandalism
- Property damage occurs to, a person dies or is injured on, or a person is missing from a non-propelled houseboat or other vessel used primarily as a residence when such a vessel is not underway
- Casualties that result from falls from or on docked vessels or vessels that are moored to a permanent structure
- Casualties that result from a person climbing aboard an anchored vessel from the water or swimming near an anchored vessel
- Fire or explosions on anchored, docked or moored boats where the cause of the fire was not attributed to the vessel or vessel equipment
- Casualty or damage that results when the vehicle used for trailering the vessel fails
- Casualties or damage that occur during accidents that only involve unmodified inner tubes
- Casualties or damage that occur when the only vessels involved are being used solely for governmental, commercial or criminal activity
- Casualties or damage that occur when the only vessel(s) involved are not numbered and are being used exclusively for racing
- Casualties or damage that occur when the only vessels involved are foreign vessels and thus not subject to U.S. federal reporting requirements