

# BOATING ACCIDENTS STATISTICAL REPORT

2011



**FLORIDA FISH AND WILDLIFE  
CONSERVATION COMMISSION  
DIVISION OF LAW ENFORCEMENT**



# BOATING ACCIDENTS STATISTICAL REPORT

## INTRODUCTION

The Florida Fish and Wildlife Conservation Commission (FWC), powered by science-based leadership, is committed to creating a sustainable and healthy future for Florida's fish, wildlife, water and habitat resources. The FWC serves Floridians and visitors alike in a variety of ways, most of which revolve around our mission of managing fish and wildlife resources for their long-term well-being and the benefit of people. The Division of Law Enforcement is perhaps the most visible tool within the FWC's "tool belt" used to meet its goal of providing healthy resources for safe, satisfied customers.

## THE DIVISION OF LAW ENFORCEMENT

### **Roles and Mission**

The FWC is the only state agency in Florida with primary responsibility for the management of the state's fish and wildlife resources. The FWC's Division of Law Enforcement is tasked with enforcing regulations aimed at protecting and sustaining these resources both for their long-term well-being and the benefit of Florida's residents and visitors, all the while blending in its unique and specialized public safety role. The Division's mission is clear: "Protecting Florida's natural resources and people through proactive and responsive law enforcement services."

### **Responsibilities**

The FWC Division of Law Enforcement provides protection to those who enjoy Florida's natural resources, while also enforcing resource protection and boating safety laws. Officers patrol rural, wilderness, inshore and offshore areas, and places where other law enforcement agencies do not routinely patrol. Our officers have the authority to enforce all laws of the state and are cross-deputized to enforce federal fisheries and wildlife laws.



### **Core Missions:**

The core missions of the Division of Law Enforcement are evident every day in everything we do. We meet critical needs within our state, each of which is identified within our core missions.

### **Core mission 1:**

**Resource protection**, including the protection of Florida's fish, wildlife and habitats to ensure their long-term well-being and continued viability for educational, recreational and commercial activities.

### **Core mission 2:**

**Boating and waterways**, which involves enhancing the boating safety and waterway experience through improved access, management, and enforcement.

### **Core mission 3:**

**Public Safety**, safeguarding and enriching the outdoor experience of our citizens and visitors, to include providing efficient emergency response to critical incidents and natural disasters through mutual aid efforts with our local, state, and federal partners.

# BOATING ACCIDENTS STATISTICAL REPORT

Yet, in the course of carrying out these broad responsibilities, FWC officers take every opportunity to introduce even the youngest Floridians to the wonders of our state's wildlife and natural resources and educate them on some very important boating safety topics.

In times of crisis, the Division provides general law enforcement services as part of Florida's statewide emergency response network. Because of our unique jurisdiction and specialized training and equipment, we also are charged with protecting the state's waterways and critical infrastructure during times of heightened security threat levels. As seasoned first responders, our officers are trained to move fast and efficiently where needed.

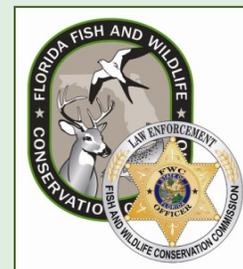
As we look to the future, we will continue to pursue and apply advances in technology to improve the way we respond to both conservation and general law enforcement incidents. When duty calls, we will always be among the first to respond, providing aid as needed. Until then, natural resource protection and proactive boating safety law enforcement and education are what we do best.

## Uniquely prepared

On the water, in the woods and in the air, FWC law enforcement officers are uniquely situated and equipped to identify and address illegal activity and promote public safety, particularly in the maritime and wilderness areas.

Our officers often encounter criminal activity, unrelated to natural resources, while on patrol. With statewide law enforcement authority, they are able to address violations immediately – serving as a force multiplier for local jurisdictions.

With our combined talent, tools and training, we bring a wide variety of capabilities and experience to any environment. Our aviation assets, equipped with specialized technology, are often used in search and rescue and recovery efforts. They are also used to provide immediate impact assessments, aerial observation and monitoring of events or incidents, and deliver critical, life-saving supplies and response personnel to disaster sites. Specially trained canine teams track lost or stranded victims and wanted persons. Our Special Operations Group (SOG) team members are trained to search for missing or wanted persons in the roughest and most remote areas of the state.



## FWC Values

### Integrity

We value candor, honesty and the highest standards of ethical behavior and are committed to maintaining a high degree of public trust.

### Professionalism

We value the skillful performance which demonstrates a clear sense of commitment and direction in an environment that encourages teamwork and innovation.

### Dedication

We value the motivation and commitment with which our members serve the visitors and residents of Florida.

### Adaptability

We value our unique capability to adapt and respond appropriately to diverse circumstances in all environments.

# BOATING ACCIDENTS STATISTICAL REPORT

Every day, we work hard to ensure the FWC Division of Law Enforcement is synonymous with excellence. Working in such diverse environments can be tough and challenging, but FWC law enforcement officers are set apart by their can-do attitude and adaptable nature. When it comes to the woods and water, FWC officers are clearly Florida's experts.

## **Intervention equals prevention on the water**

FWC officers help to ensure Floridians and visitors are safe when they are on the water through proactive law enforcement, by initiating boating safety and fisheries inspections and by identifying and minimizing potential navigation and environmental hazards in the waterways.

Our Boating and Waterways and Field Services Sections support officer efforts by coordinating statewide boating safety efforts, education campaigns, ensuring waterway markers are accurate and maintained, permitting and marking speed-regulated areas, coordinating initiatives aimed at removing derelict vessels and providing more public boating access sites.

With close to a million vessels registered in the state, Florida leads the nation in the number of vessels, and, as a negative consequence of high vessel numbers and our mild climate, has the highest number of boating fatalities annually. The vast size of our inland, coastal and offshore patrol areas – combined with a significant population of avid boaters – presents a unique and daunting challenge for FWC and our local and federal maritime enforcement partners.

## **Boating education is critical**

As evidenced in this 2011 Boating Accidents Statistical Report, there were 742 reportable boating accidents and 67 boating related fatalities in 2011. Many of these deaths were due to victims falling overboard and drowning. A large number of these deaths could have been prevented if the victims had worn life jackets. We continue to increase our efforts to reduce the number of boating-related fatalities through enhanced enforcement and education about the importance of wearing life jackets on the water.



## **2010 Boating Educator of the Year**

In July 2011 the FWC selected Dr. Wilbur G. Hugli of Fort Walton Beach as Florida's 2010 Boating Educator of the Year.

The award recognizes those in the boating education field who go above and beyond to engage new and current boaters, raise awareness and make boating education initiatives relevant, thorough and exciting.

Dr. Hugli has been part of the Fort Walton Sail and Power Squadron, a unit of the U.S. Power Squadrons, for 21 years. Through his efforts with the Power Squadrons, Hugli has volunteered his time to author four widely acclaimed boating safety seminars as well as a benchmark student manual for educating new boaters.

Dr. Hugli has reached out to young boaters, prompting a high school and the University of West Florida to implement classroom and online boating safety courses.

Dr. Hugli is a valuable partner to the FWC. He is thoroughly involved with boating safety education and training at all levels. He truly understands the goal of educating the public – reducing risk and ultimately saving lives.

# BOATING ACCIDENTS STATISTICAL REPORT

With Florida's current boating safety education law only applying to boaters born on or after January 1, 1988, face-to-face contacts by FWC officers and our partner agencies are a critical part of our outreach efforts and education to the boating public. These statistics show us that the boat operator most likely to be involved in a boating accident is a middle aged or older male who has plenty of boating experience yet has never learned the most important safety considerations by having taken a boating safety course. When officers perform fresh and saltwater resource enforcement activities, they also routinely conduct boating safety inspections aimed at both identifying and preventing violations. They make boating safer and ultimately save lives.

## Safe boating is a choice

Florida is a leader in promoting boating accident prevention. The FWC, in association with the National Safe Boating Council, Bombardier Recreational Products, Inc., West Marine, the U.S. Coast Guard (USCG) and a growing list of other partners, has launched a statewide boating safety campaign as part of a national initiative. The "Wear It Florida" campaign encourages boaters to wear life jackets anytime they are on the water and educates boaters about the ease and convenience of the relatively unknown inflatable life jackets. The campaign reaches the public through a variety of methods including media events, exhibits, personal contacts and televised public service announcements.

## About this report

This 2011 Boating Accidents Statistical Report is compiled by the Boating and Waterways Section of the FWC's Division of Law Enforcement. Most of the data contained in this report is gathered from boating accident investigative reports submitted by FWC officers and our marine law enforcement partners working for local agencies.



## 2011 FWC Boating Officer of the Year

Officer Donnie McKee was named the 2011 FWC Boating Officer of the Year. Officer McKee began his career with FWC in 2007 and is assigned to the south St. Johns River.

Since starting with the agency, Officer McKee's BUI initiatives have been one of his major priorities. In 2011, he led his region with seven BUI arrests.

Officer McKee also initiated the 2011 operational campaign, "Don't Rock the Boat" that targeted vessels traveling at excessive speeds. Officer McKee continually stresses safety in his patrol zone.

Officer McKee actively participates in annual Manatee Days where he takes the opportunity to educate the public about the importance of boating safety.

Congratulations, Donnie!  
Keep up the good work!



# BOATING ACCIDENTS STATISTICAL REPORT

At the end of each calendar year, boating accident data is compiled and assembled into Florida's annual report. The FWC's Boating and Waterways Section analyzes these statistics and uses the information to formulate proactive plans aimed at reducing the number of boating accidents and their related injuries, fatalities and property damage. This information is also reported to the Boating Safety Division of the U.S. Coast Guard in Washington, D.C. to be included in the national database consisting of data from all U.S. states and territories.

These statistics reflect data from "reportable boating accidents" that occurred in our state. Boating accidents must meet at least one of the six criteria below to be classified as "reportable":

- A person dies,
- A person disappears under circumstances that indicate possible death or injury,
- A person receives an injury requiring medical treatment beyond immediate first aid,
- There is at least \$2,000 aggregate property damage to the vessel(s) or other property, or
- There is a total loss of a vessel.

Although, the number of recreational vessels registered in the State of Florida fell slightly in 2011 with 922,491 registered vessels, Florida is poised to once again lead the nation in registered vessels. Additionally, it is estimated that up to 1 million non-registered vessels actively use Florida's waters, and this segment of the boating population appears to still be growing. Our waterways increasingly show the strains of congestion as each year brings more residents and visitors together to utilize our abundant water resources and enjoy Florida's boating lifestyle.

Anyone having questions concerning this report should visit [www.MyFWC.com](http://www.MyFWC.com).

## Report Submissions

2011 was a transition year for the FWC when it came to reporting boating accidents. In 2011, officers began using the Boating Accident Report Form on their computers and transmitting them electronically. By the end of the year, 68% of the accidents investigated by the FWC were being submitted electronically. The majority of the officers who used the electronic submission process found it to be quicker, easier and readily embraced the new technology. Use of the electronic Boating Accident Form has sped up the reporting process.



# BOATING ACCIDENTS STATISTICAL REPORT

## SUMMARY

### BOATING ACCIDENT REVIEW

- Total number of **registered vessels** in Florida continues to lead the nation with 922,491 registered in 2011.
- There was a total of 742 reportable boating accidents in 2011.

### 2011 REPORTABLE BOATING ACCIDENTS

- 51% of the **Operators** involved in reportable boating accidents had no formal boater education.
- Monroe County reported the **highest number of accidents and injuries** (93 total accidents with 6 fatalities and 66 injuries).

### 2011 REPORTABLE BOATING FATALITIES.

- 39% of the fatal accidents were falls overboard (24 accidents). In 2011, boaters falling overboard remained the main cause of boating fatalities.
- The leading cause of death in fatal boating accidents was drowning (63%).
- Deadliest months in 2011 were August and November with 9 fatalities each.
- Alcohol or drug-use played a role in 15% of boating fatalities.
- 93% of the victims of fatal boating accidents were males (62).
- The total fatality count for 2011 is reported at 67.
- 68% (45) of the 62 fatal accidents involved operators over the age of 35.
- 94% of all fatal accidents in 2011 involved vessels 21 feet and under.

### 2011 REPORTABLE BOATING INJURIES

- There were 742 accidents resulting in 431 injuries. The rate of injury was 47 injuries per 100,000 vessels.

### 2011 REPORTABLE PERSONAL WATERCRAFT ACCIDENTS

- Personal watercrafts (PWC) accounted for 13% of all registered vessels in Florida.
- PWC were involved in 22% (162) of reported boating accidents.
- 41% of PWC accidents involved a collision with another vessel.
- 31% of PWC accidents occurred in Monroe, Miami-Dade and Pinellas Counties, with Monroe County ranked #1 (with 24 accidents).
- 7 fatalities resulted from the 162 PWC accidents.

### 2011 BOATING EDUCATION STATISTICS

- FWC issued 27,062 Boating Safety Education ID cards in 2011.
- 48% of the cards were issued to persons 21 years of age or younger.
- Of the 27,062 cards issued, 19,315 were issued to males, 6,204 were issued to females, and 1,543 cards did not specify the person's gender.

# BOATING ACCIDENTS STATISTICAL REPORT

## TABLE OF CONTENTS

<b>I.</b>	<b>Glossary of Definitions for Boating Accident Report Forms.....</b>	<b>XI</b>
<b>II.</b>	<b>Boating Accident Review</b>	
	Number of Accidents - Top Ten States 2010 .....	1
	Registered Vessels (Recreational) - Top Ten States 2010 .....	1
	Florida Reportable Accidents 2004-2011 .....	2
	Registered Florida Vessels 2004-2011 .....	2
<b>III.</b>	<b>2011 Reportable Boating Accidents, All Accidents</b>	
	Vessel Registration and Accident Statistics by County .....	3
	Top Ten Counties .....	5
	Investigating Agency .....	5
	Accidents by Month .....	5
	Time of Day .....	6
	Accident Site Location .....	6
	Restricted Area Accidents .....	6
	Primary Type of Accident .....	7
	Secondary Type of Accident .....	7
	Operation at Time of Accident .....	8
	Activity at Time of Accident .....	8
	Number of Vessels Involved .....	9
	Vessel Type, Length, & Propulsion .....	9
	Vessel Fuel & Hull Type .....	10
	Vessel & Property Damage Figures (2004-2011) .....	10
	Vessel Ownership .....	10
	Primary Cause Assessed by Reviewing Authority .....	11
	Operator Age .....	11
	Operator Experience .....	11
	Operator Gender .....	11
	Operator/Occupant Swimming Ability .....	12
	Operator/Occupant PFD Use .....	12
	Boat Operator Education .....	12
	Operator by Age with No Boater Education .....	12
	Victim Statistics .....	13
	Victim Statistics (Ejected From Boat) .....	13

# BOATING ACCIDENTS STATISTICAL REPORT

State Waters Vs. Offshore Waters (Accidents) .....	13
--	----

## IV. 2011 Boating Fatalities

2010 Fatalities - Top Ten States .....	15
Florida Total Fatalities Recorded (2008-2011) .....	15
Investigating Agency .....	15
Fatal Accidents by Month .....	16
Time of Day .....	16
Types of Accidents .....	16
Operation at Time of Accident .....	17
Accident Site Location .....	17
Restricted Area Fatal Accidents .....	17
Vessel Ownership .....	18
Vessel Fuel & Hull Type .....	18
Vessel Type, Length, & Propulsion .....	18
Primary Cause of Death .....	19
Operator Gender .....	19
Operator Age .....	19
Operator Experience (In Hours) .....	19
Boat Operator Education .....	20
Operators by Age without Formal Boater Education .....	20
Victim Statistics (Ejected) .....	20
Victim Statistics (Wearing PFD) .....	20
Victim Statistics (Swimming Ability) .....	20
Victim Residency .....	21
Victim Gender .....	21
Victim Age .....	21
Alcohol/Drug Related Accidents .....	21
Alcohol/Drug Related Victims .....	21
Primary Cause of Accident by Reviewing Authority .....	22
State Waters Vs. Offshore Waters (Fatalities) .....	22

## V. 2011 Boating Injuries

Total Injuries Recorded (2008-2011) .....	23
Primary Type of Injury .....	23
Victim Statistics .....	24
Victim Statistics (Swimming Ability) .....	24
Victim Statistics (PFD Use) .....	24

# BOATING ACCIDENTS STATISTICAL REPORT

## VI. 2011 Personal Watercraft (PWC) Accidents

PWC Registration and Accidents By County .....	25
PWC Registration .....	27
PWC Accidents (2005-2011) .....	27
PWC - Top Ten Counties .....	27
Accident Site Location .....	28
Restricted Area Accidents .....	28
Operation at Time of Accident .....	28
Primary Type of Accident .....	29
PWC Operator Age .....	29
PWC Ownership .....	29
PWC Operator Experience (Hours) .....	29
PWC Operators by Age without Boater Education (2008-2011) ..	30
PWC Injuries (2003-2011) .....	30
PWC Fatalities (2003-2011) .....	30
Comparisons of PWC Fatalities .....	31
Comparisons of PWC Injuries .....	31
Primary Injury Types .....	31
Primary Cause Assessed by Reviewing Authority .....	32
Investigating Agency .....	32

## VII. 2011 Boating Education Statistics

Top Ten Counties - Boating Safety	
Education I.D. Cards Issued.....	33
Boating Safety Education I.D. Card Distribution by Age .....	33

## VIII. 2011 Boating Accident Violations

Uniform Boating Citation Summary .....	35
--	----

## IX. Details for Top Ten Counties

Top Ten County Summary .....	37
Monroe County .....	38
Miami-Dade County .....	40
Palm Beach County .....	42
Broward County .....	44

# BOATING ACCIDENTS STATISTICAL REPORT

Lee County .....	46
Pinellas County .....	48
Collier County .....	50
Brevard County .....	52
Hillsborough County .....	54
Martin County .....	56

## X. Trend Analysis

Reportable Accidents 1994-2011 .....	59
Vessel Registration 1994-2011 .....	59
Fatalities 1994-2011 .....	60
Injuries 1994-2011 .....	60
Boating Safety Education I.D. Cards Issued 2000-2011 .....	61
Fatalities By Quarter 1998-2011 .....	61
Fatalities - Quarter 1 .....	62
Fatalities - Quarter 2 .....	62
Fatalities - Quarter 3 .....	63
Fatalities - Quarter 4 .....	63



# BOATING ACCIDENTS STATISTICAL REPORT

## GLOSSARY OF DEFINITIONS

**ALCOHOL/DRUG RELATED** – Refers to any accidents in which alcohol/drug use may have been a contributing factor, whether or not the operator was legally impaired.

**AT ANCHOR** – Held in place in the water by an anchor, includes “moored” to a buoy or anchored vessel and “dragging anchor.”

**BOATING ACCIDENT** - A collision, accident, or casualty involving a vessel, in or upon, or entering into or exiting from, the water, includes capsizing, collision with another vessel or object, sinking, personal injury, death or disappearance of any person from on board under circumstances which indicate the possibility of death or injury, or property damage to any vessel or dock.

**CABIN MOTORBOAT** - Motorboats with a cabin which can be completely closed by means of doors or hatches. Large motorboats with cabins, even though referred to as yachts, are considered to be cabin motorboats.

**CAPSIZING** - Overturning of a vessel.

**COLLISION WITH ANOTHER VESSEL** - Any striking together of two or more vessels, regardless of operation at time of the accident, is a collision. (Also includes colliding with the tow of another vessel, regardless of the nature of the tow, e.g., surfboard, ski ropes, skier, tow line, etc.)

**COLLISION WITH FIXED OBJECT** - The striking of any fixed object above or below the surface of the water.

**COLLISION WITH A FLOATING OBJECT** - Collision with any waterborne object (except another vessel), above or below the surface, that is free to move with the tide, current, or wind.

**CRUISING** - Proceeding normally, unrestricted, with an absence of drastic rudder or engine changes.

**DOCUMENTED VESSEL** - A vessel for which a valid certificate of documentation is outstanding pursuant to 46 C.F.R. part 67. Documented vessels are not numbered.

**DOCUMENTED YACHT** - A vessel of five or more net tons, owned by a citizen of the United States, and used exclusively for pleasure with a valid marine document issued by the United States Coast Guard. Documented yachts are not numbered.

**DRIFTING** - Underway, but not proceeding over the bottom with use of engines, oars, or sails; being carried along only by the tide, current, or wind.

# BOATING ACCIDENTS STATISTICAL REPORT

**FALL OVERBOARD** - A person who unintentionally exits the vessel.

**FAULT OF OPERATOR** - Speeding, overloading, improper loading, not properly seating occupants of boat, no proper look-out, carelessness, failure to heed weather warnings, operating in a congested area, not observing the Rules of the Road, unsafe fueling practices, lack of experience, ignorance of aids to navigation, lack of caution in an unfamiliar area of operation, improper installation or maintenance of hull, machinery or equipment, poor judgment, recklessness, overpowering the boat, panic, proceeding in an unseaworthy craft, operating a motorboat near persons in the water, starting the engine with clutch engaged or throttle advanced, or irresponsible boat handling (such as quick, sharp turns).

**FIBERGLASS (PLASTIC) HULL** - Hulls of fiber-reinforced plastic. The laminate consists of two basic components, the reinforcing material (glass filaments) and the plastic or resin in which it is embedded.

**FIRE/EXPLOSION (FUEL)** - Accidental combustion of vessel fuel, liquids (including their vapors).

**FIRE/EXPLOSION (OTHER)** - Accidental burning or explosion of any material on board, except vessel fuels or their vapors.

**FLORIDA INTRACOASTAL WATERWAY** - The Atlantic Intracoastal Waterway from the Georgia state line north of Fernandina to Miami, the Port of Canaveral lock and canal to the Atlantic Intracoastal Waterway; the Atlantic Intracoastal Waterway, Miami to Key West; the Okeechobee Waterway, Stuart to Fort Myers; the St. Johns River, Jacksonville to Sanford; the Gulf Intracoastal Waterway, Anclote to Fort Myers; the Gulf Intracoastal Waterway, Carrabelle to Tampa Bay; Carrabelle to Anclote open bay section (using Gulf of Mexico); the Gulf Intracoastal Waterway, Carrabelle to the Alabama state line west of Pensacola; and the Apalachicola, Chattahoochee and Flint rivers in Florida.

**FLOODING** - Filling with water, regardless of method of ingress, but retaining sufficient buoyancy to remain on the surface.

**FUELING** - Any stage of the fueling operation, primarily concerned with introduction of explosive or combustible vapors or liquids on board.

**GROUNDING** - Running aground of a vessel, striking or pounding on rocks, reefs, or shoals; "stranding."

**IMPROPER LOADING** - Loading, including weight shifting of the vessel, causing instability, limited maneuverability, or dangerously reduced freeboard.

**INBOARD/OUTBOARD** - Also referred to as inboard/outdrive. Regarded as inboard because the power unit is located inside the boat and has a stern-mounted propulsion unit.

# BOATING ACCIDENTS STATISTICAL REPORT

**MANEUVERING** - Changing of course, speed, or similar boat handling action during which a high degree of alertness is required or the boat is imperiled because of the operation, such as docking.

**MOTORBOAT** - (1) Any vessel which is propelled or powered by machinery and which is used or capable of being used as a means of transportation on water. (2) Any vessel equipped with propulsion machinery, not more than sixty-five feet in length.

**MOTOR VESSEL** - Any vessel equipped with propulsion machinery (other than steam) more than sixty-five feet in length.

**NAVIGATION RULES** - The International Navigation Rules Act of 1977 for vessels on waters outside of established navigation lines of demarcation as specified in 33 C.F.R., Part 80 or the Inland Navigation Rules Act of 1980 for vessels on all waters not outside of such lines of demarcation.

**NON-RESIDENT** - A citizen of the United States who has not established residence in this state and has not continuously resided in this state for one year and in one county for the six months immediately preceding the initiation of a vessel titling or registration action.

**NO PROPER LOOK-OUT** - No proper watch, the failure of the operator to perceive danger because no one was serving as look-out, or the person so serving failed in that regard.

**NUMBERED VESSEL** - An undocumented vessel numbered by a state with a numbering system approved by the United States Coast Guard under Chapter 123, Title 46, U.S.C.

**OPEN MOTORBOAT** - Craft of open construction specifically built for operating with a motor, including boats canopied or fitted with temporary partial shelters.

**OPERATE** - To be in charge of or in command of or in actual physical control of a vessel upon the waters of this state, or to exercise control over or to have responsibility for a vessel's navigation or safety while the vessel is underway upon the waters of this state, or to control or steer a vessel being towed by another vessel upon the waters of this state.

**OWNER** - A person, other than a lien holder, having the property or title to a vessel. The term includes a person entitled to the use or possession of a vessel subject to an interest in another person, reserved or created by agreement and securing payment of performance of an obligation, but the term excludes a lessee under a lease not intended as security.

**OUTBOARD** - An engine not permanently affixed to the structure of the craft, regardless of the method or location used to mount the engine; e.g., motor wells, kicker pits, motor pockets, etc.

# BOATING ACCIDENTS STATISTICAL REPORT

**OVERLOADING** - Excessive loading of the vessel causing instability, limited maneuverability, dangerously reduced freeboard, etc.

**PERSONAL WATERCRAFT** - A vessel less than 16 feet in length which uses an inboard motor powering a water jet pump as its primary source of motive power and which is designed to be operated by a person sitting, standing, or kneeling on the vessel, rather than in the conventional manner of sitting or standing inside the vessel.

**RECKLESS OPERATION** - A person is guilty of reckless operation of a vessel who operates any vessel, or manipulates any water skis, aquaplane, or similar device, in willful or wanton disregard for the safety of persons or property at a speed or in a manner as to endanger, or likely to endanger, life or limb, or damage the property of, or injure any person.

**REGISTRATION** - A state operating license on a vessel which is issued with an identifying number, an annual certificate of registration, and a decal designating the year for which a registration fee was paid.

**REPORTABLE BOATING ACCIDENT** - An accident that results in personal injury requiring medical treatment beyond immediate first aid, death, disappearance of any person from on board under circumstances which indicate the possibility of death or injury, or damage to any vessel or other property in an apparent aggregate amount of at least \$2000, or total loss of a vessel.

**RESIDENT** - A citizen of the United States who has established residency in this state and has continuously resided in this state for one year and in one county for the six months immediately preceding the initiation of a vessel titling or registration action.

**RULES OF THE ROAD** - The Inland and International Navigation Rules for the prevention of collision at sea.

**SAILBOAT OR AUXILIARY SAILBOAT** - (1) Any vessel whose sole source of propulsion is the natural element (i.e., wind). (2) Craft intended to be propelled primarily by sail, regardless of size or type.

**SINKING** - Losing enough buoyancy to settle below the surface of the water.

**SPEEDING** - Operating at a speed possibly below the posted speed limit, above that which a reasonable and prudent person would operate under the circumstances.

**STEEL HULL** - Hulls of sheet steel or steel alloy, not those of steel ribs and wood, canvas, or plastic hull coverings.

# BOATING ACCIDENTS STATISTICAL REPORT

**STRUCK BY BOAT OR PROPELLER** - Striking of a victim who is outside of the boat, but not necessarily a swimmer.

**SWAMPING** - Filling with water, particularly over the side, but retaining sufficient buoyancy to remain on the surface.

**TOWED WATERSPORT MISHAP** – A water sport accident associated with vessel passenger(s) or person(s) being towed or surfing the wake created by a vessel. Includes, but is not limited to, water skiing, wakeboarding, tubing, parasailing, etc.

**TOWING** - Engaged in towing any vessel, fishing gear, or object other than a person.

**VESSEL** - Is synonymous with boat as referenced in S.1 (b), Article VII of the State Constitution and includes every description of watercraft, barge, and air boat, other than a seaplane on the water, used or capable of being used as means of transportation on water.

**WOOD HULL** - Hulls of plywood, molded plywood, wood planking, or any other wood fiber in its natural consistency, including those of wooden construction that have been "sheathed" with fiberglass or sheet metal.





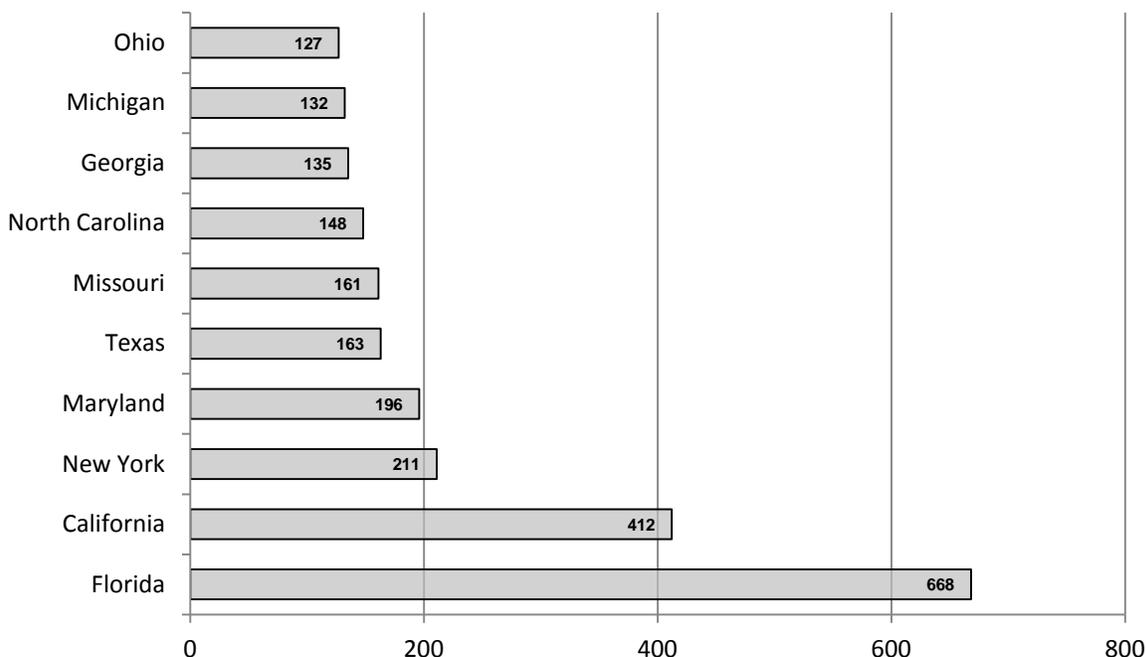
## 2011 BOATING ACCIDENT REVIEW

**FLORIDA FISH AND WILDLIFE  
CONSERVATION COMMISSION  
DIVISION OF LAW ENFORCEMENT**



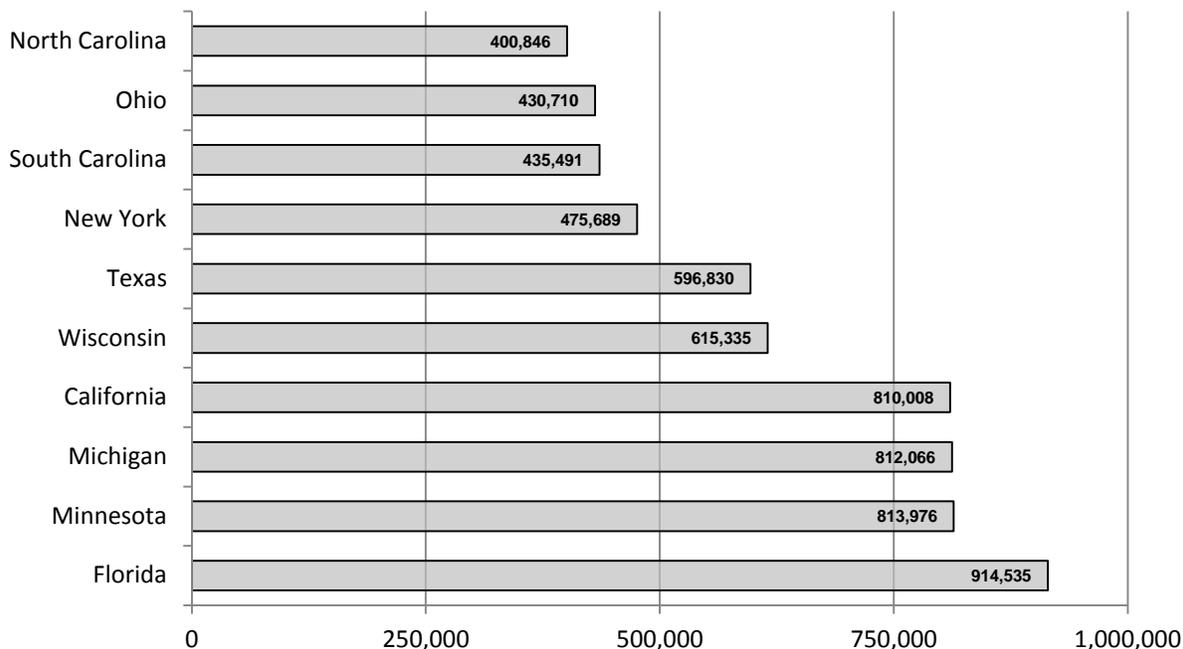
## 2011 BOATING ACCIDENTS REVIEW

### NUMBER OF ACCIDENTS - TOP TEN STATES, 2010



Source: U.S. Coast Guard Boating Safety Division  
\*Based on \$2,000 Damage Threshold

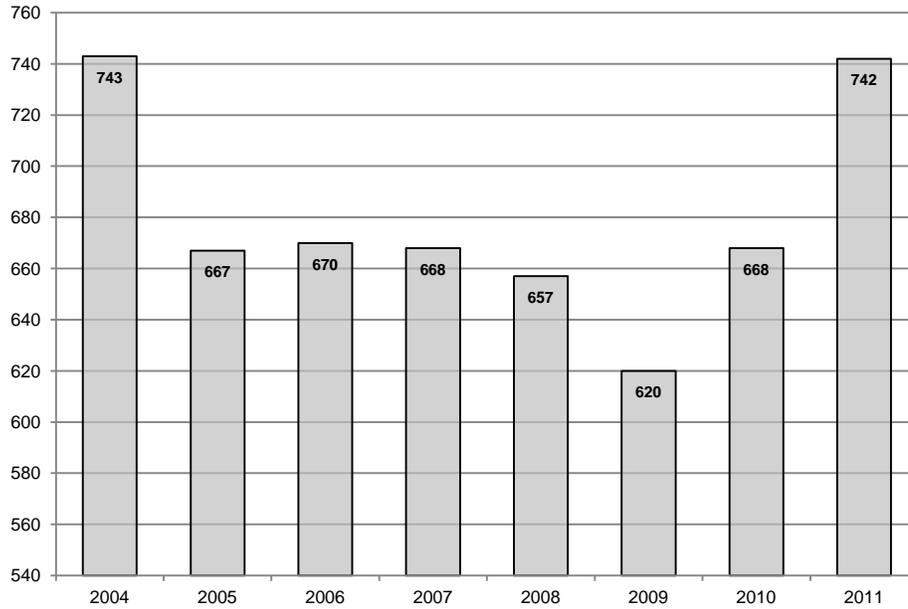
### REGISTERED VESSELS (RECREATIONAL) TOP TEN STATES- 2010



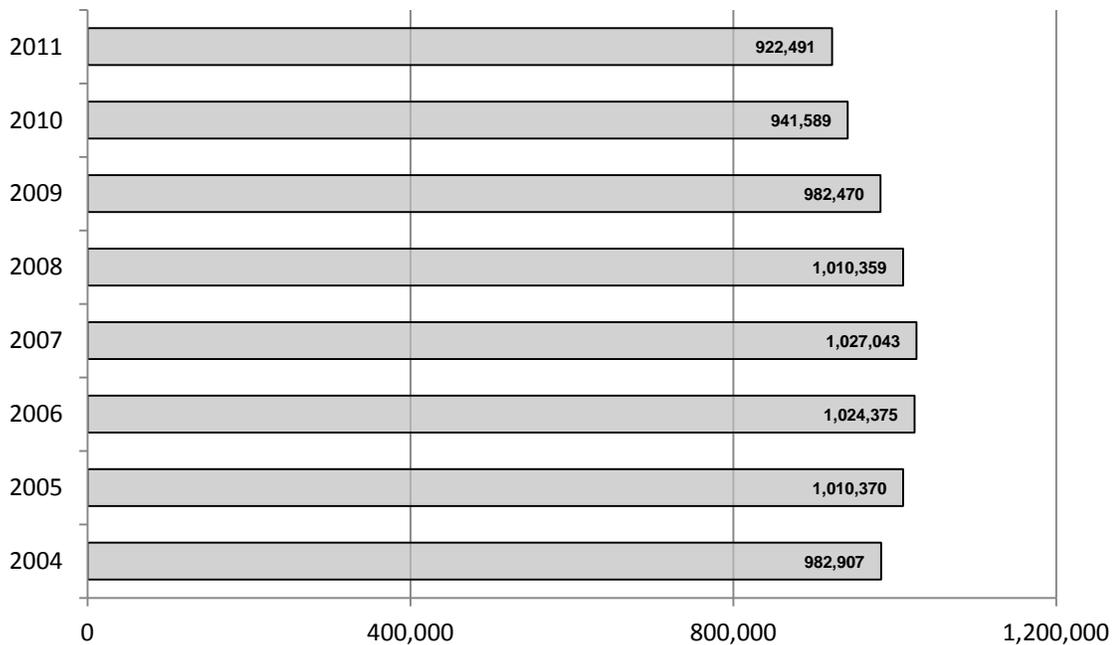
\* Numbers represent number of recreationally registered vessels in 2010.

## 2011 BOATING ACCIDENTS REVIEW

### 2004 - 2011 FLORIDA REPORTABLE ACCIDENTS



### 2004 - 2011 FLORIDA TOTAL REGISTERED VESSELS



\* Numbers represent total number of registered vessels.  
Source-Florida DHSMV.



## 2011 REPORTABLE BOATING ACCIDENTS

**FLORIDA FISH AND WILDLIFE  
CONSERVATION COMMISSION  
DIVISION OF LAW ENFORCEMENT**



## 2011 REPORTABLE BOATING ACCIDENTS

### 2011 VESSEL REGISTRATION AND ACCIDENTS BY COUNTY

County	Recreational Vessels	Total Vessels	Reportable Accidents	Fatalities	Injuries	Property Damage	Rank	Accident Rate*
Alachua	10,404	10,721	3	1	2	\$0	39	1:3,574
Baker	2,242	2,251	0	0	0	\$0	58	0
Bay	18,192	19,157	17	0	8	\$944,947	13	1:1,127
Bradford	2,335	2,353	0	0	0	\$0	59	0
<b>Brevard</b>	<b>33,712</b>	<b>35,090</b>	<b>25</b>	<b>4</b>	<b>10</b>	<b>\$255,680</b>	<b>8</b>	<b>1:1,404</b>
<b>Broward</b>	<b>41,227</b>	<b>42,687</b>	<b>41</b>	<b>6</b>	<b>13</b>	<b>\$575,175</b>	<b>4</b>	<b>1:1,041</b>
Calhoun	1,614	1,642	1	0	1	\$500	49	1:1,642
Charlotte	19,983	20,602	8	0	7	\$118,000	25	1:2,575
Citrus	15,697	16,362	5	1	7	\$13,000	34	1:3,272
Clay	12,263	12,499	11	2	9	\$14,500	20	1:1,136
<b>Collier</b>	<b>20,765</b>	<b>21,691</b>	<b>34</b>	<b>2</b>	<b>24</b>	<b>\$187,453</b>	<b>7</b>	<b>1:638</b>
Columbia	4,404	4,449	0	0	0	\$0	60	0
Desoto	2,230	2,301	0	0	0	\$0	61	0
Dixie	2,455	2,727	6	0	5	\$6,000	27	1:455
Duval	28,646	29,412	19	4	5	\$85,250	11	1:1,548
Escambia	16,152	16,627	10	0	6	\$45,000	21	1:1,663
Flagler	5,173	5,276	2	0	0	\$42,500	43	1:2,638
Franklin	2,373	3,670	4	0	1	\$22,500	35	1:918
Gadsden	2,460	2,505	2	2	0	\$2,500	44	1:1,253
Gilchrist	1,716	1,748	3	0	3	\$3,700	40	1:583
Glades	1,190	1,241	6	1	4	\$15,000	28	1:207
Gulf	2,665	2,979	2	0	1	\$2,180	45	1:1,490
Hamilton	925	934	0	0	0	\$0	62	0
Hardee	1,596	1,621	0	0	0	\$0	63	0
Hendry	2,772	2,908	1	0	0	\$15,000	50	1:2,908
Hernando	9,158	9,368	6	1	1	\$222,130	29	1:1,561
Highlands	8,516	8,645	1	0	1	\$0	51	1:8,645
<b>Hillsborough</b>	<b>41,563</b>	<b>42,423</b>	<b>20</b>	<b>7</b>	<b>14</b>	<b>\$113,050</b>	<b>9</b>	<b>1:2,121</b>
Holmes	2,124	2,139	0	0	0	\$0	64	0
Indian River	10,352	10,803	15	1	5	\$66,600	15	1:720
Jackson	4,715	4,745	1	0	1	\$0	52	1:4,745
Jefferson	1,307	1,335	0	0	0	\$0	65	0
Lafayette	975	983	1	0	1	\$0	53	1:983
Lake	21,293	21,579	6	2	5	\$19,500	30	1:3,597
<b>Lee</b>	<b>42,273</b>	<b>43,618</b>	<b>38</b>	<b>1</b>	<b>18</b>	<b>\$386,483</b>	<b>5</b>	<b>1:1,148</b>
Leon	14,213	14,498	1	1	0	\$0	54	1:14,498
Levy	4,037	4,387	4	0	1	\$27,500	36	1:1,097

## 2011 REPORTABLE BOATING ACCIDENTS

### 2011 VESSEL REGISTRATION AND ACCIDENTS BY COUNTY

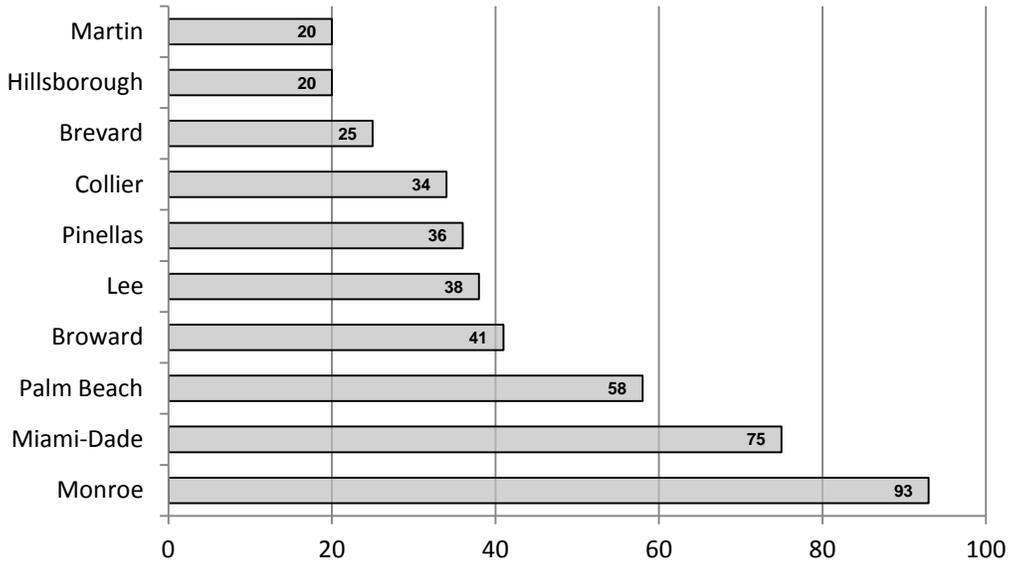
County	Recreational Vessels	Total Vessels	Reportable Accidents	Fatalities	Injuries	Property Damage	Rank	Accident Rate*
Liberty	1,140	1,171	1	0	1	\$5,500	55	1:1,171
Madison	1,193	1,201	0	0	0	\$0	66	0
Manatee	17,388	18,167	10	3	7	\$17,200	22	1:1,817
Marion	18,712	19,001	4	1	2	\$3,250	37	1:4,750
<b>Martin</b>	<b>14,985</b>	<b>15,745</b>	<b>20</b>	<b>1</b>	<b>8</b>	<b>\$2,854,171</b>	<b>10</b>	<b>1:787</b>
<b>Miami-Dade</b>	<b>57,911</b>	<b>60,458</b>	<b>75</b>	<b>3</b>	<b>47</b>	<b>\$15,968,988</b>	<b>2</b>	<b>1:806</b>
<b>Monroe</b>	<b>23,648</b>	<b>26,252</b>	<b>93</b>	<b>6</b>	<b>66</b>	<b>\$1,187,381</b>	<b>1</b>	<b>1:282</b>
Nassau	5,960	6,148	6	0	7	\$167,600	31	1:1,025
Okaloosa	17,295	17,925	14	1	7	\$76,701	16	1:1,280
Okeechobee	4,852	5,019	2	0	3	\$500	46	1:2,510
Orange	28,542	29,010	12	2	9	\$20,300	19	1:2,418
Osceola	7,955	8,098	6	0	4	\$14,100	32	1:1,350
<b>Palm Beach</b>	<b>38,159</b>	<b>39,512</b>	<b>58</b>	<b>2</b>	<b>31</b>	<b>\$487,439</b>	<b>3</b>	<b>1:681</b>
Pasco	22,723	23,270	8	1	3	\$255,500	26	1:2,909
<b>Pinellas</b>	<b>46,556</b>	<b>48,434</b>	<b>36</b>	<b>3</b>	<b>14</b>	<b>\$1,268,400</b>	<b>6</b>	<b>1:1,345</b>
Polk	28,326	28,817	10	3	6	\$19,000	23	1:2,882
Putnam	8,051	8,369	3	0	3	\$2,000	41	1:2,790
Santa Rosa	13,997	14,304	14	0	11	\$102,050	17	1:1,022
Sarasota	21,178	21,772	17	0	15	\$74,451	14	1:1,281
Seminole	17,492	17,854	1	0	1	\$0	56	1:17,854
St. Johns	12,876	13,310	13	0	6	\$867,000	18	1:1,024
St. Lucie	12,285	12,857	10	0	5	\$376,500	24	1:1,286
Sumter	4,120	4,178	2	0	0	\$5000	47	1:2,089
Suwannee	2,826	2,866	3	0	1	\$8,500	42	1:955
Taylor	3,571	3,748	4	0	4	\$3,500	38	1:937
Union	907	911	1	2	0	\$0	57	1:911
Volusia	26,849	27,765	18	1	12	\$110,600	12	1:1,543
Wakulla	4,529	4,872	2	1	1	\$1,000	48	1:2,436
Walton	5,326	5,467	6	1	5	\$1,500	33	1:911
Washington	2,347	2,364	0	0	0	\$0	67	0
DHSMV	4,479	5,650	0	0	0	\$0	0	0
<b>TOTAL</b>	<b>889,895</b>	<b>922,491</b>	<b>742</b>	<b>67</b>	<b>431</b>	<b>\$27,055,779</b>		

\*Accident Rate = # of Registered Vessels  
# of Accidents

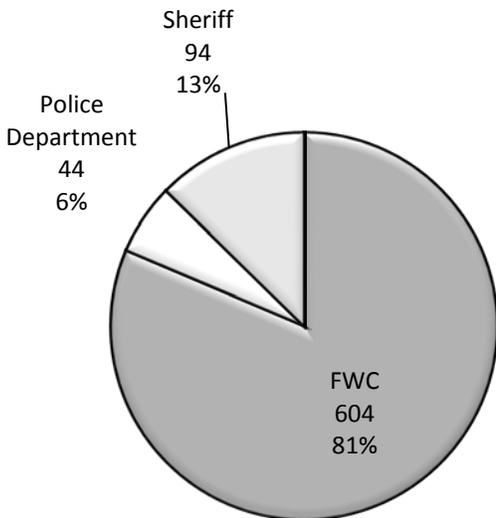
\*\*Those counties in bold print represent the top counties.

## 2011 REPORTABLE BOATING ACCIDENTS

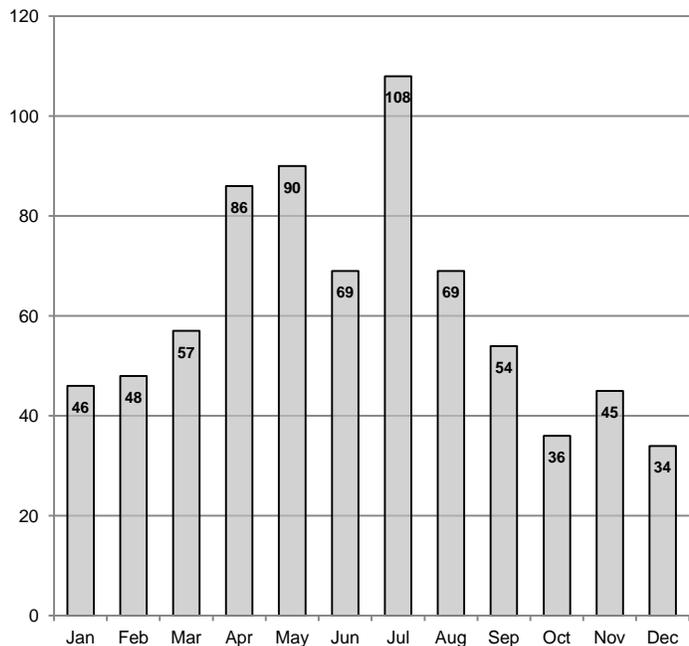
### TOP TEN COUNTIES



### INVESTIGATING AGENCY



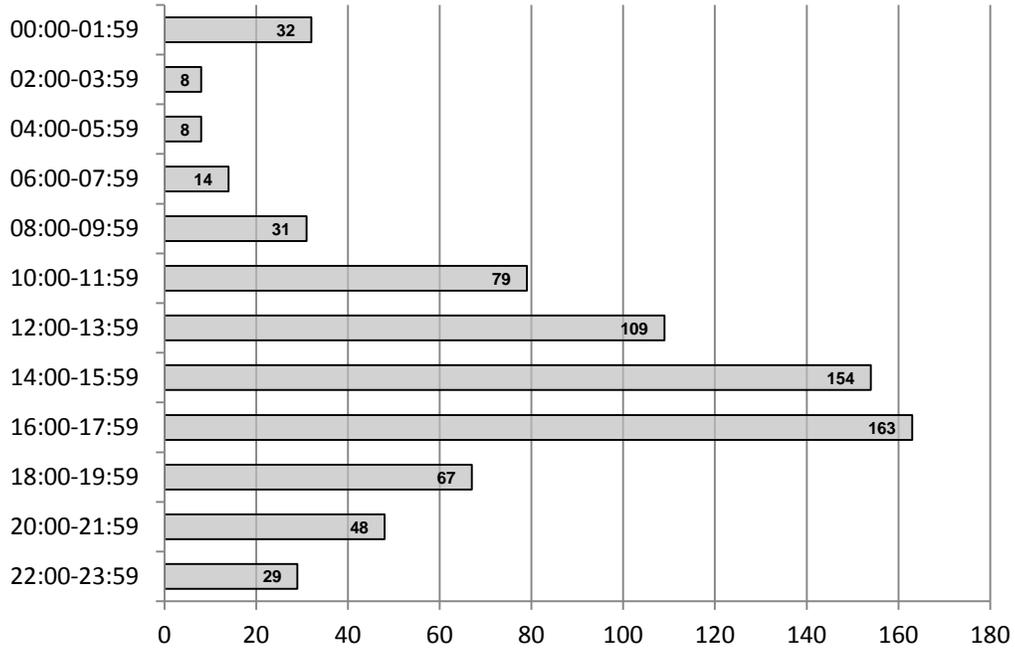
### ACCIDENTS BY MONTH



\*742 total accidents.

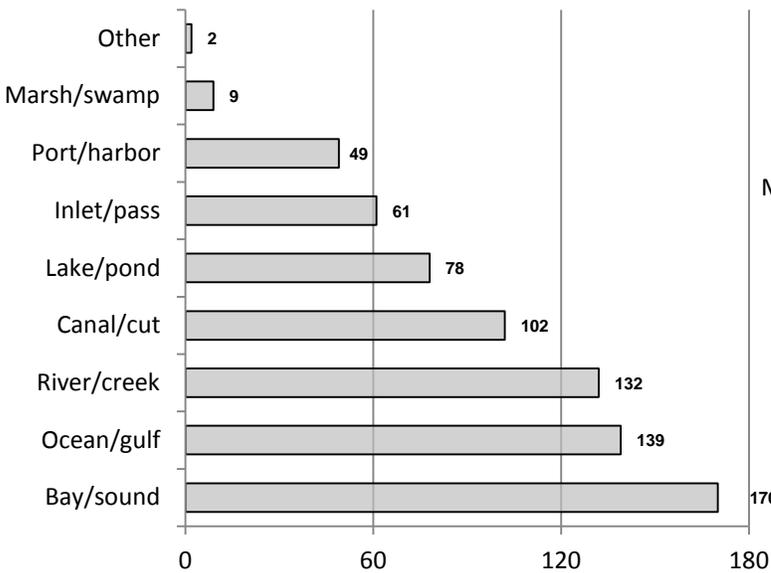
# 2011 REPORTABLE BOATING ACCIDENTS

## TIME OF DAY

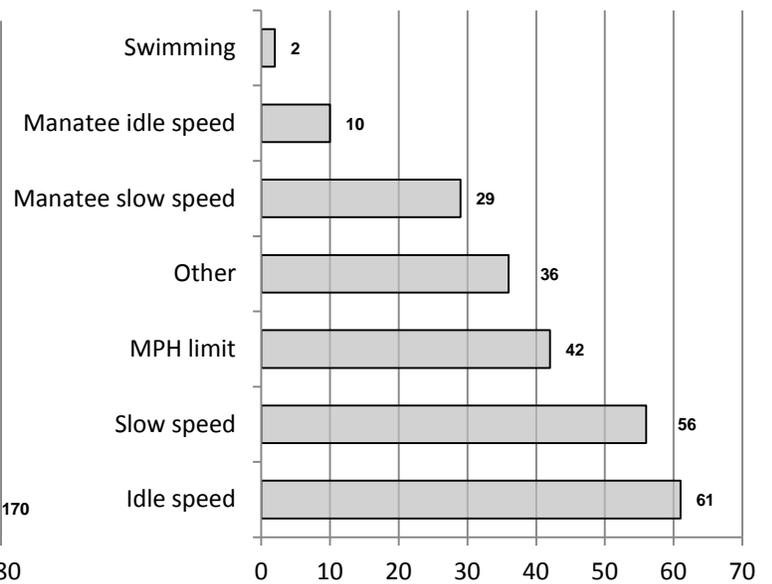


\*742 total accidents.

## ACCIDENT SITE LOCATION

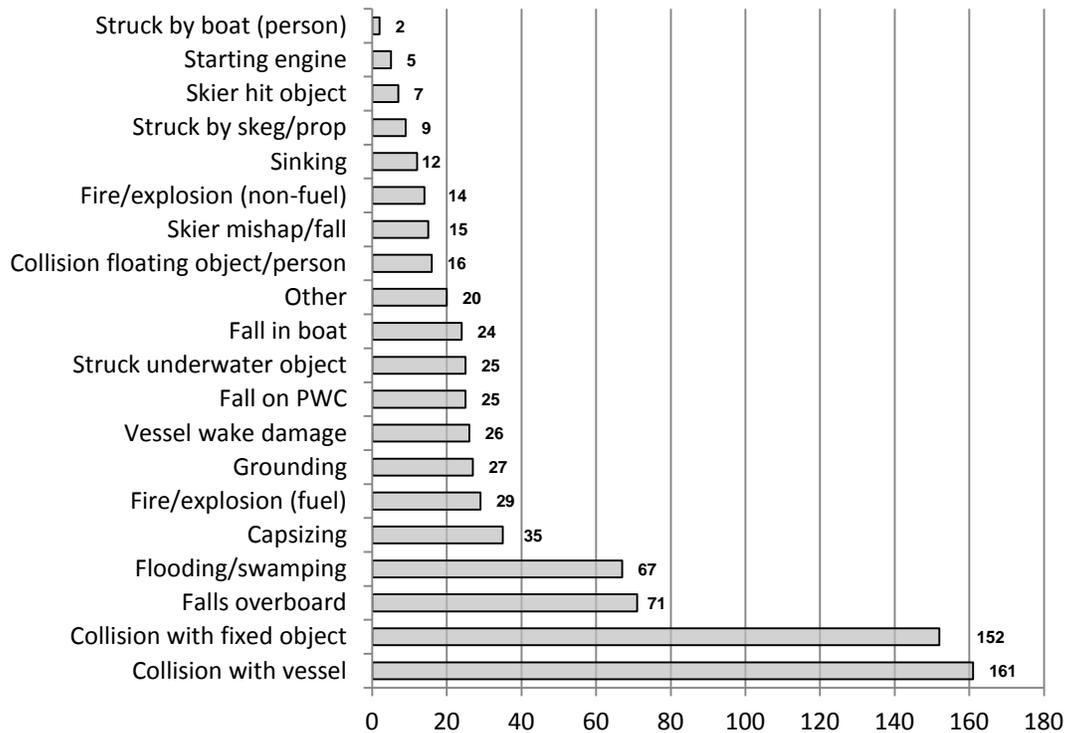


## RESTRICTED AREA ACCIDENTS



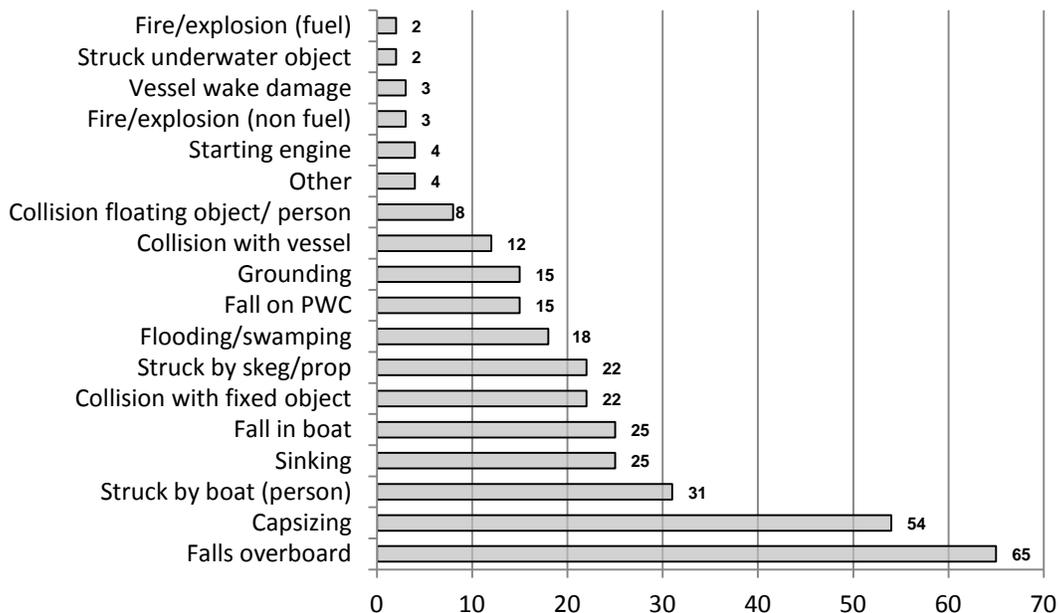
# 2011 REPORTABLE BOATING ACCIDENTS

## PRIMARY TYPE OF ACCIDENT



\*742 accidents involving 1018 vessels.  
(Based on first harmful event as determined by the state reviewing authority.)

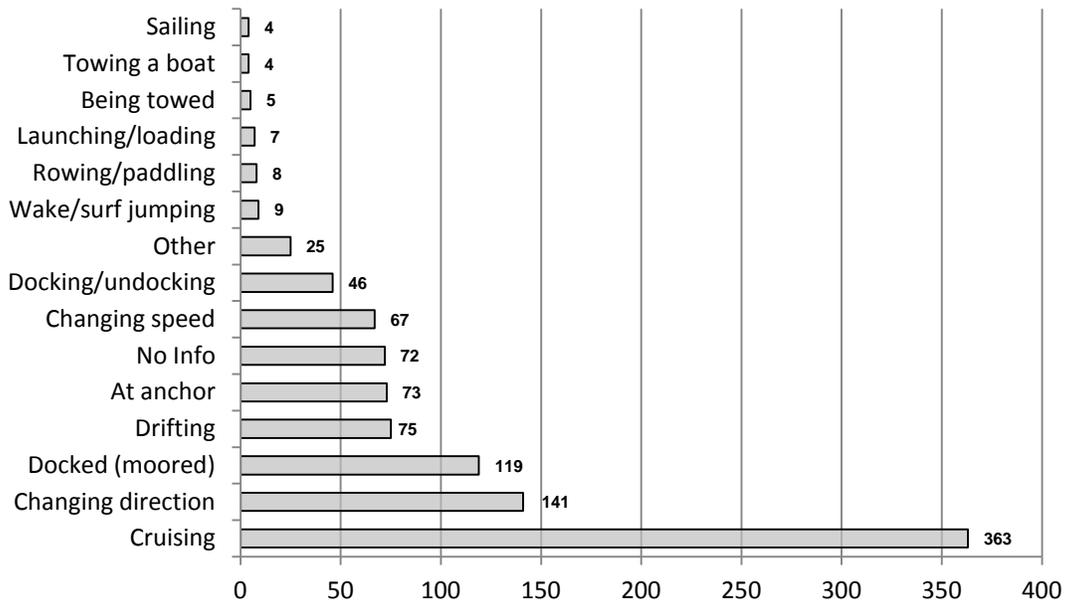
## SECONDARY TYPE OF ACCIDENT



\*No secondary type of accident assigned to 412 accidents.

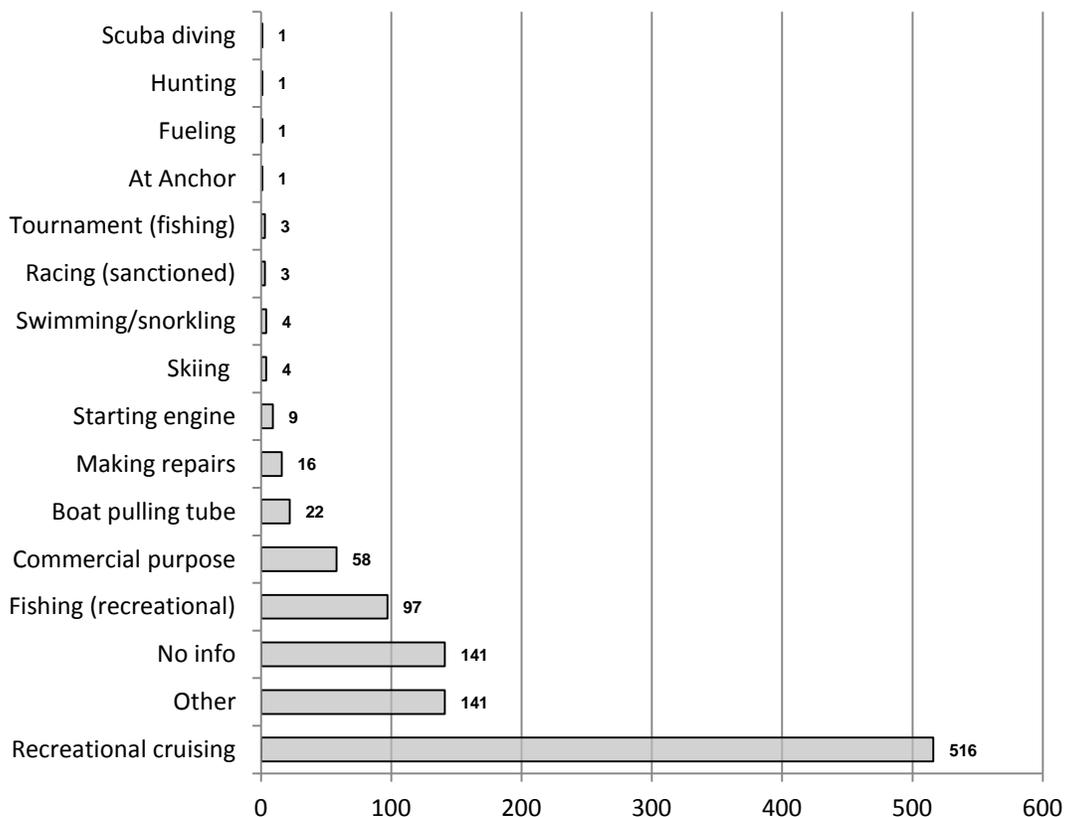
## 2011 REPORTABLE BOATING ACCIDENTS

### OPERATION AT TIME OF ACCIDENT



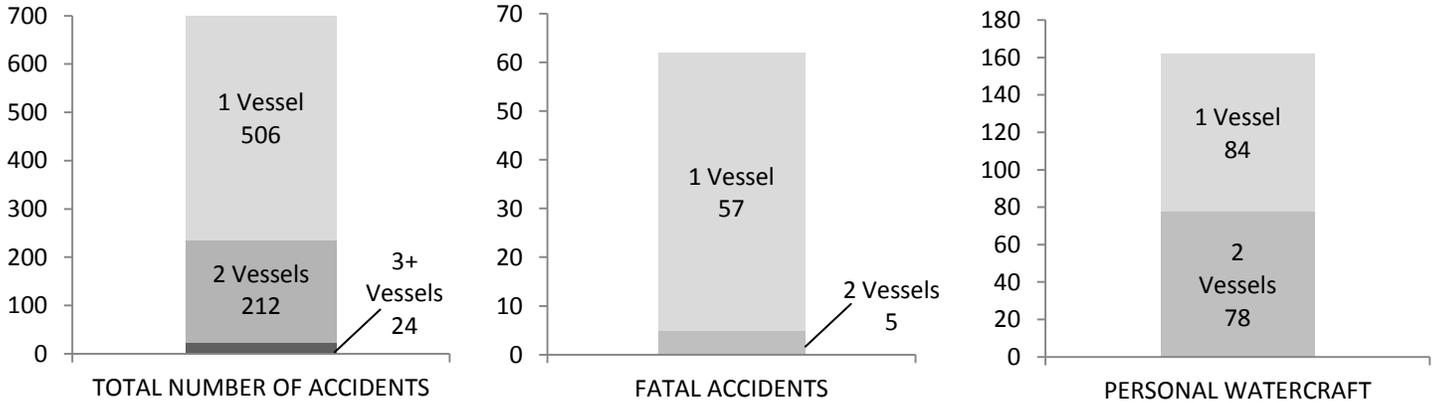
\*742 accidents involving 1018 vessels.

### ACTIVITY AT TIME OF ACCIDENT



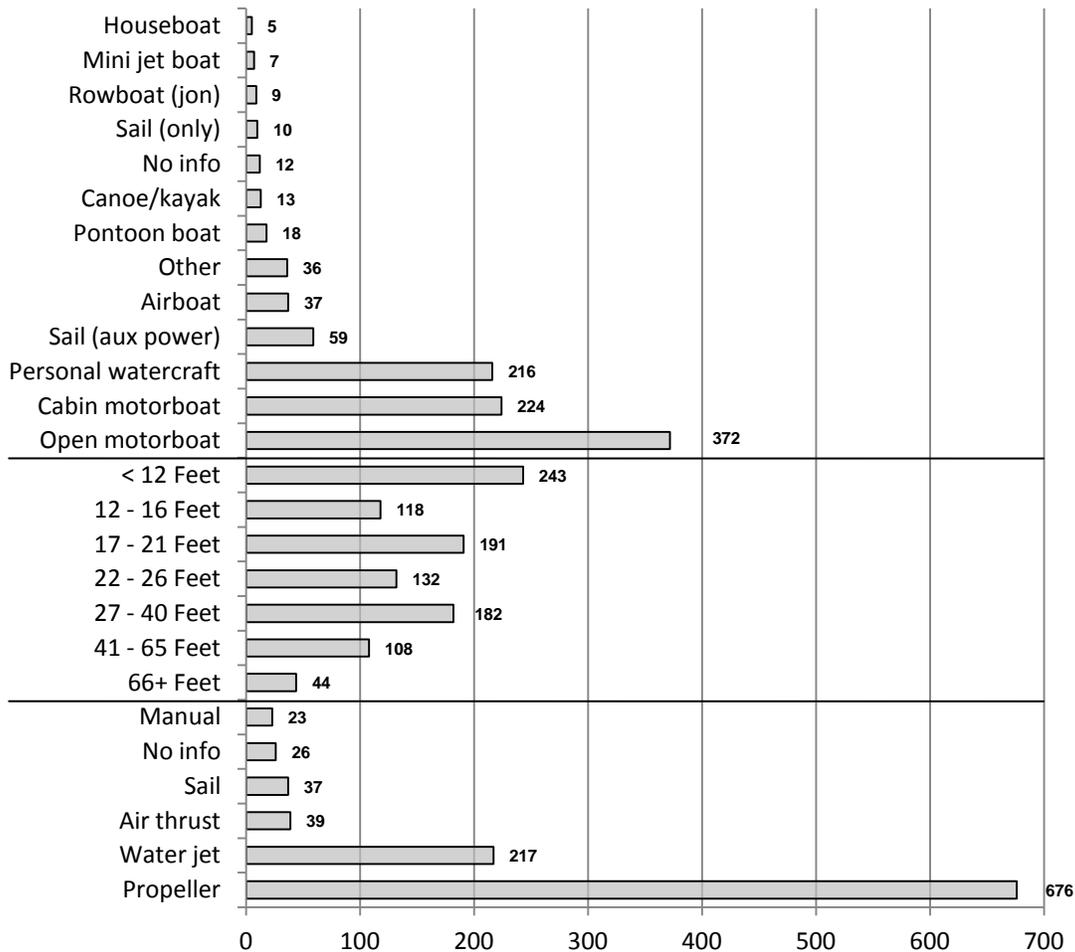
# 2011 REPORTABLE BOATING ACCIDENTS

## NUMBER OF VESSELS INVOLVED



\*742 total accidents involving 1018 vessels.  
 \*62 fatal accidents involving 67 vessels.  
 \*162 personal watercraft accidents involving 240 vessels.

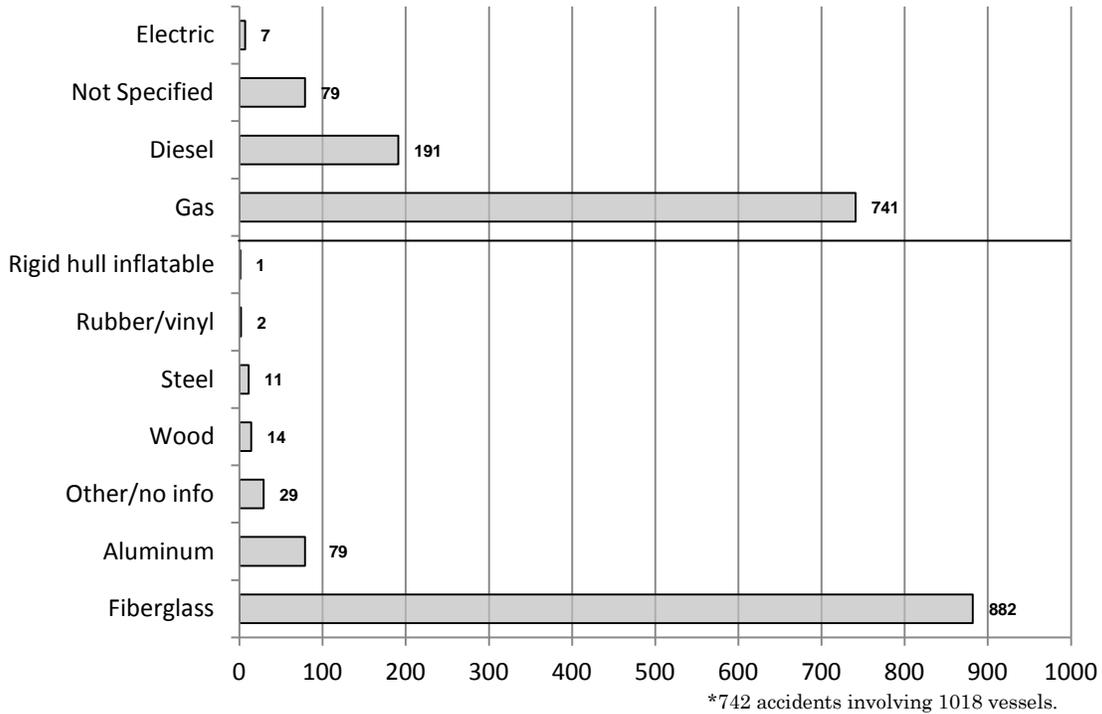
## VESSEL TYPE, LENGTH & PROPULSION



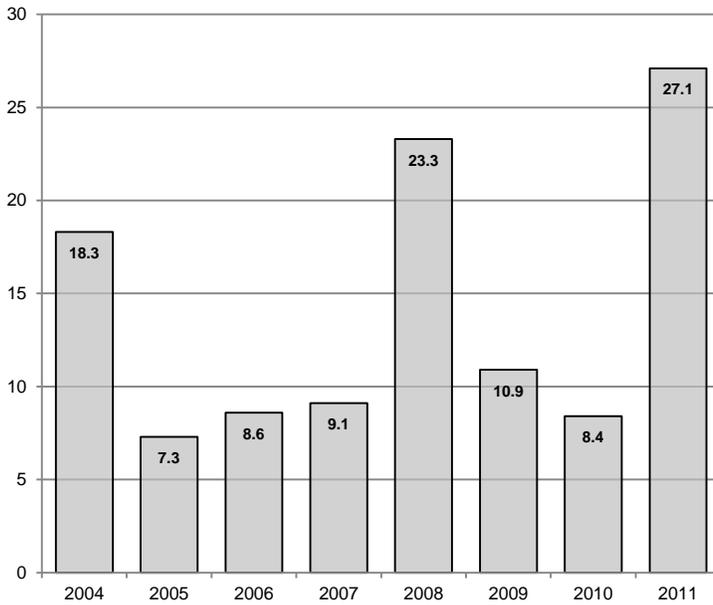
\*742 accidents involving 1018 vessels.

# 2011 REPORTABLE BOATING ACCIDENTS

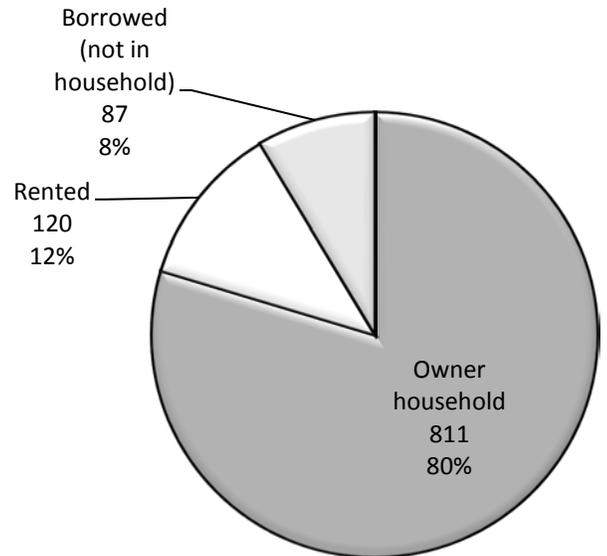
## VESSEL FUEL & HULL TYPE



## VESSEL & PROPERTY DAMAGE FIGURES (IN MILLIONS)



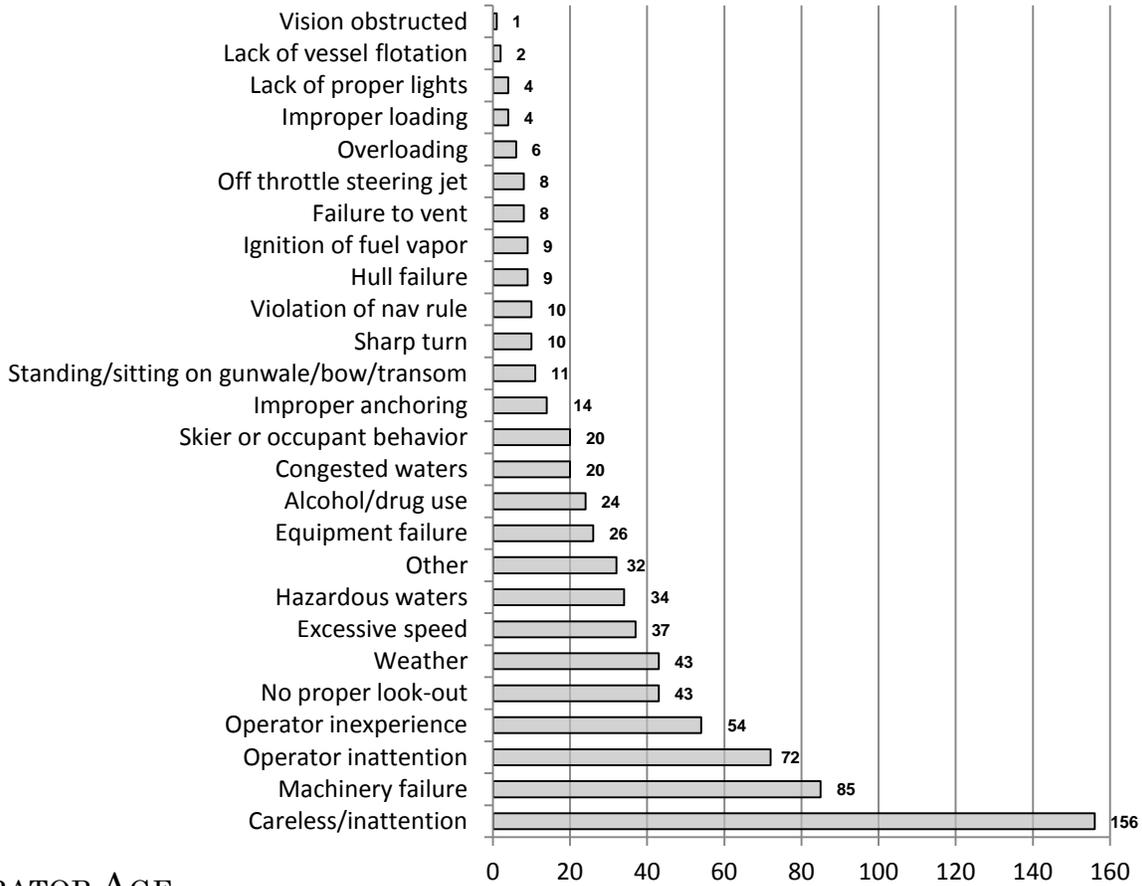
## VESSEL OWNERSHIP



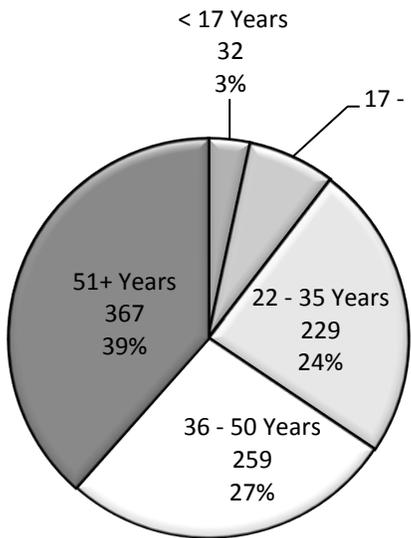
\*22 accidents in excess of 100,000 dollars in damage each.  
 \*3 accidents resulting in at least 1 million dollars in damage.  
 \*1 accident resulting in over 15 million dollars in damage.

# 2011 REPORTABLE BOATING ACCIDENTS

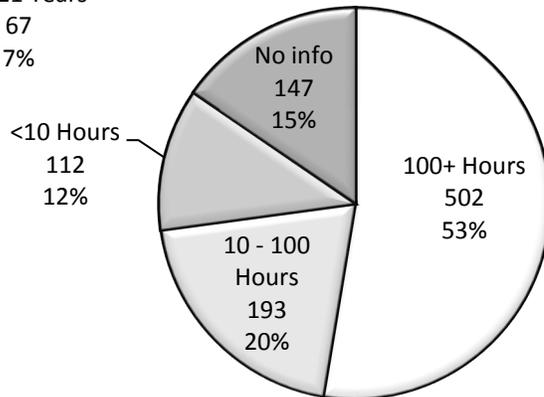
## PRIMARY CAUSE ASSESSED BY REVIEWING AUTHORITY



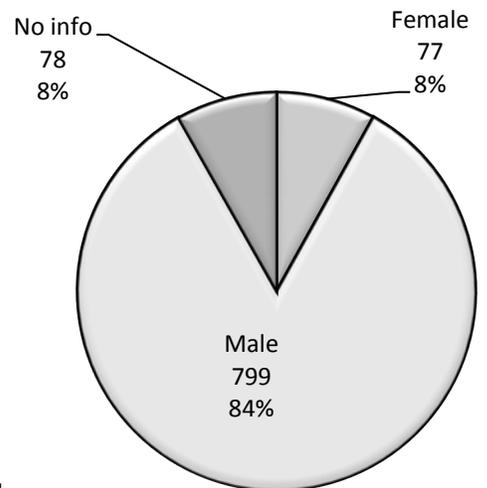
### OPERATOR AGE



### OPERATOR EXPERIENCE (Hours)



### OPERATOR GENDER

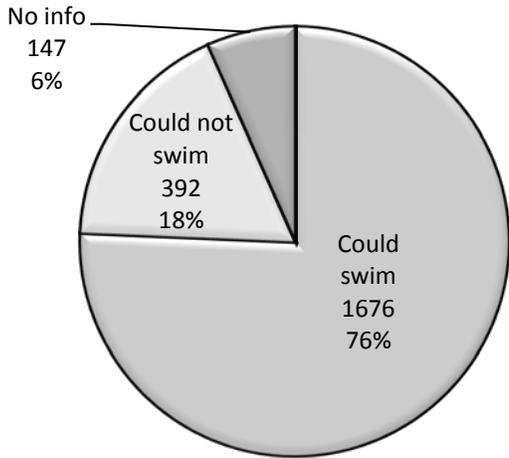


\*742 accidents involving 954 operators.

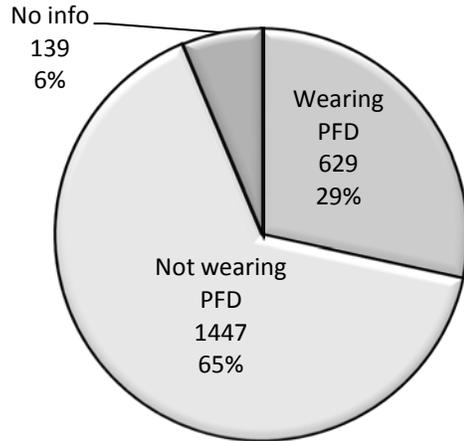
\*Vessels may have been docked, anchored, or involved in a hit and run accident which could result in no operator information

# 2011 REPORTABLE BOATING ACCIDENTS

**OPERATOR/OCCUPANT SWIMMING ABILITY**

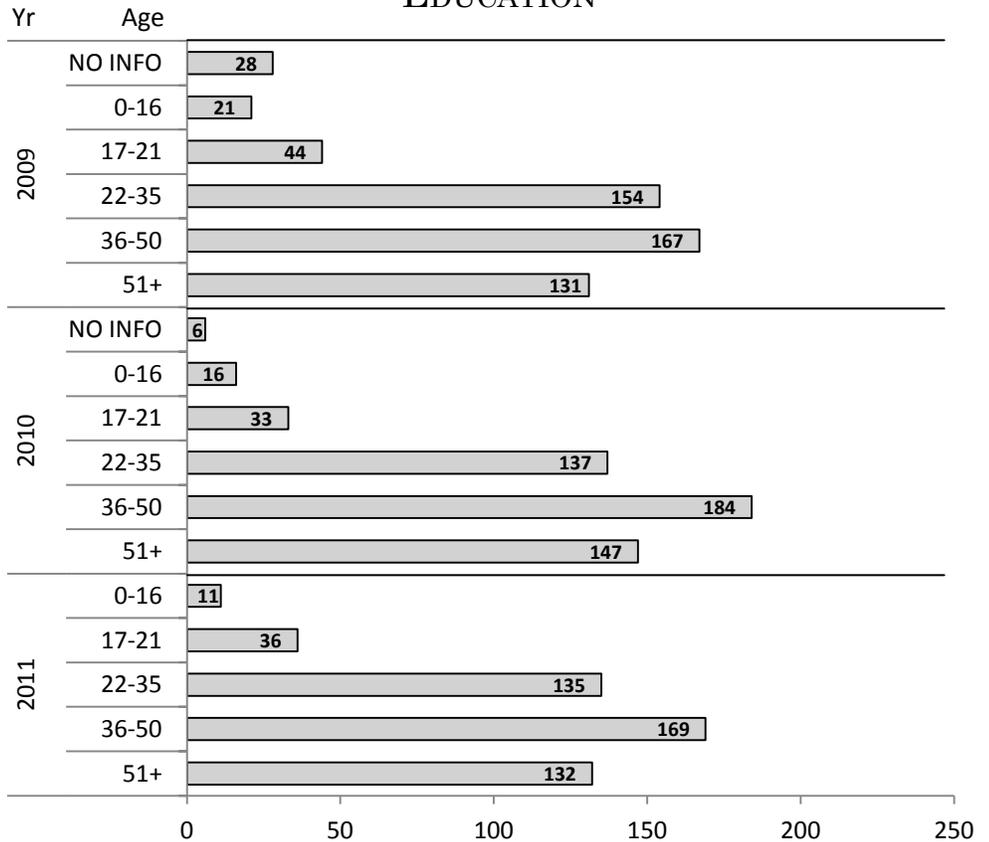


**OPERATOR/OCCUPANT PFD USE**



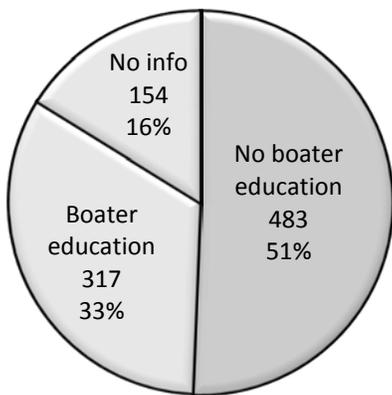
\*2215 total occupants and operators.

**OPERATOR BY AGE WITH NO BOATER EDUCATION**



\*483 operators without boater education.

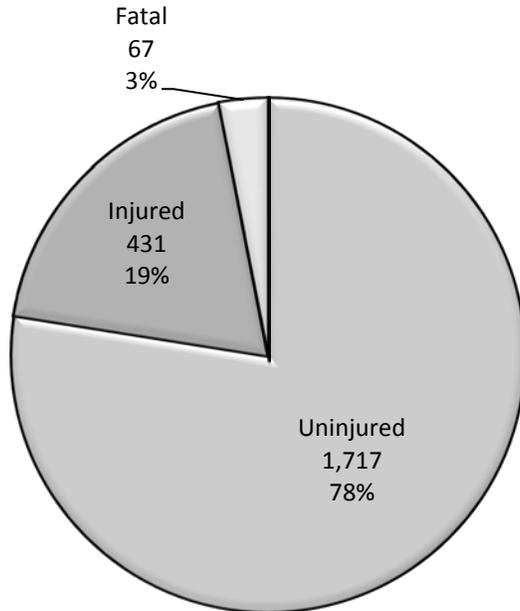
**BOAT OPERATOR EDUCATION**



\*954 operators

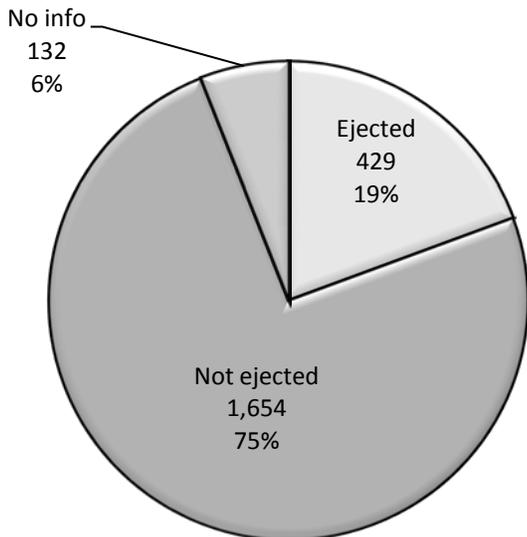
## 2011 REPORTABLE BOATING ACCIDENTS

### VICTIM STATISTICS



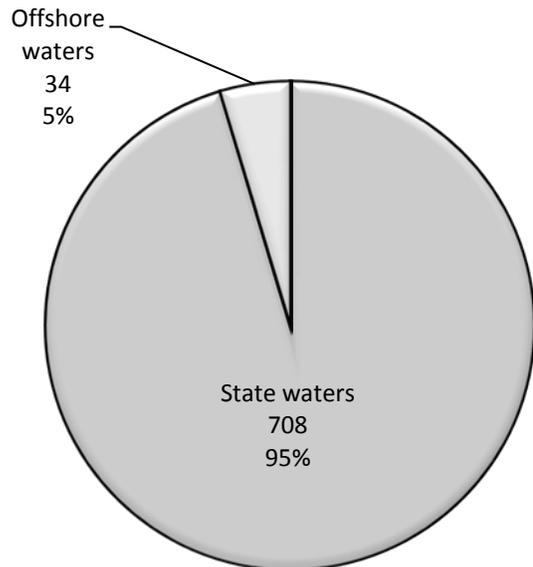
\*There were 2215 individuals involved in boating accidents in 2011.

### VICTIM STATISTICS (EJECTED FROM BOAT)



\*2,215 total operators/occupants

### STATE WATERS VS. OFFSHORE WATERS (ACCIDENTS)



\*Offshore defined as the edge of the Gulfstream or 3 miles from shore, whichever is greater, in the Atlantic and more than 9 miles out in the Gulf.



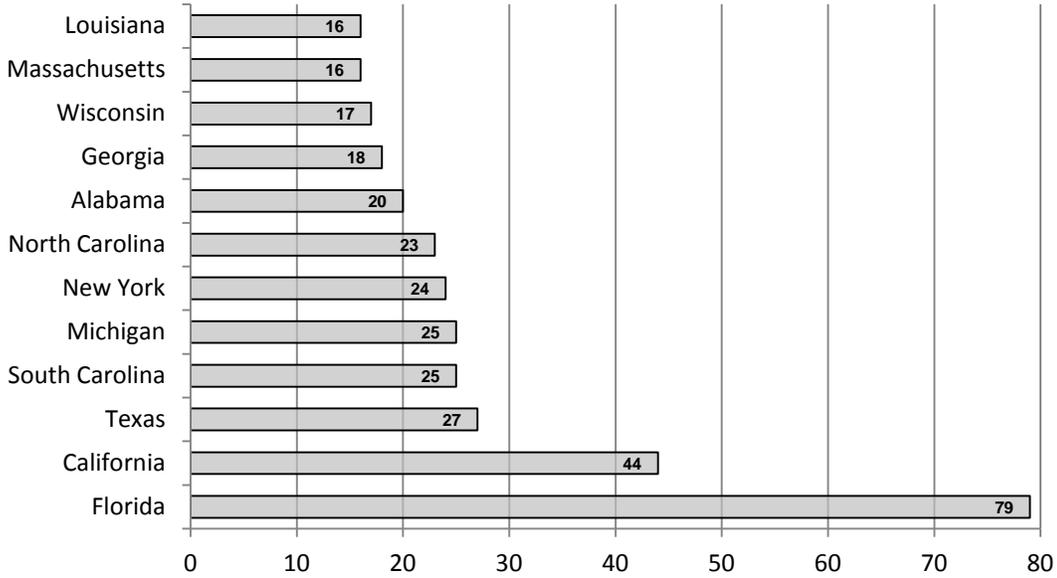
**2011 FATALITY STATISTICS**  
**FLORIDA FISH AND WILDLIFE  
CONSERVATION COMMISSION  
DIVISION OF LAW ENFORCEMENT**



# 2011 REPORTABLE BOATING ACCIDENTS

## 2011 FATALITY DATA

### 2010 FATALITIES - TOP TEN STATES



\*12 states due to a tie for 10<sup>th</sup> place and a tie for 4<sup>th</sup> place.

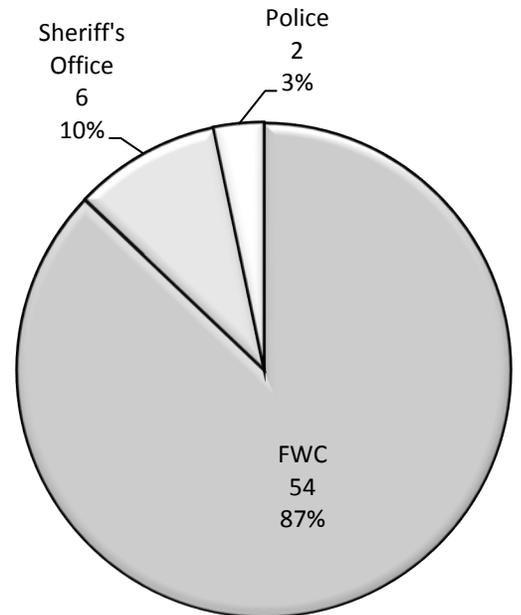
\*2011 statistics for top 12 states were not available at time of printing.

Source: U.S. Coast Guard Division of Auxiliary and Boating Safety.

### FLORIDA TOTAL FATALITIES RECORDED

2011	Registered vessels	922,491
	Fatality rate	7.3
	Number of fatalities	67
2010	Registered vessels	941,589
	Fatality rate	8.4
	Number of fatalities	79
2009	Registered vessels	982,470
	Fatality rate	6.9
	Number of fatalities	68
2008	Registered vessels	1,010,359
	Fatality rate	5.3
	Number of fatalities	54

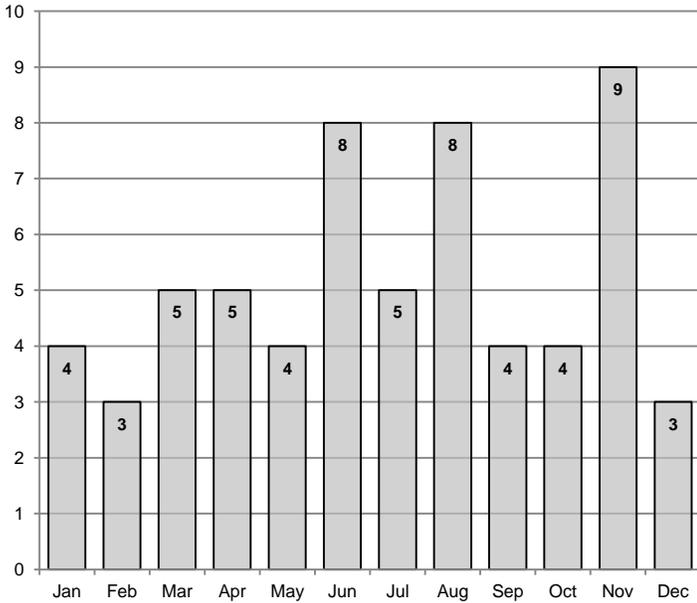
### INVESTIGATING AGENCY



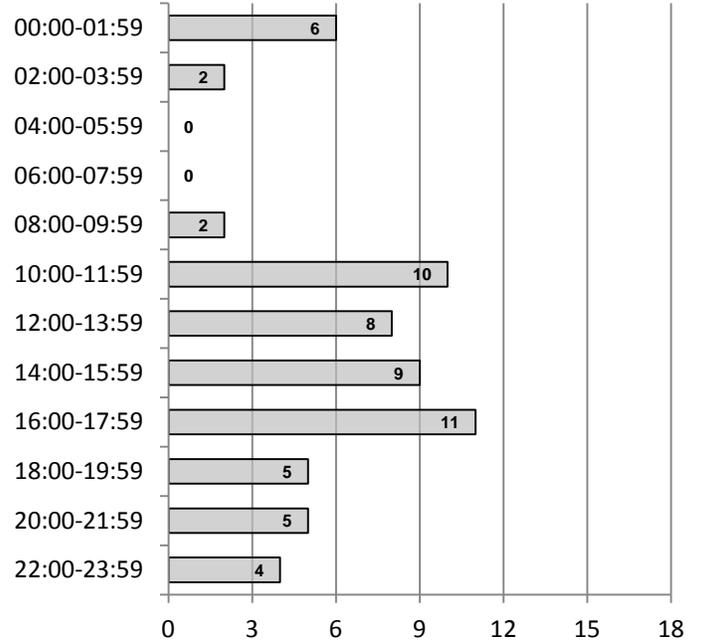
\*62 fatal accidents.

## 2011 FATALITY DATA

### FATAL ACCIDENTS BY MONTH

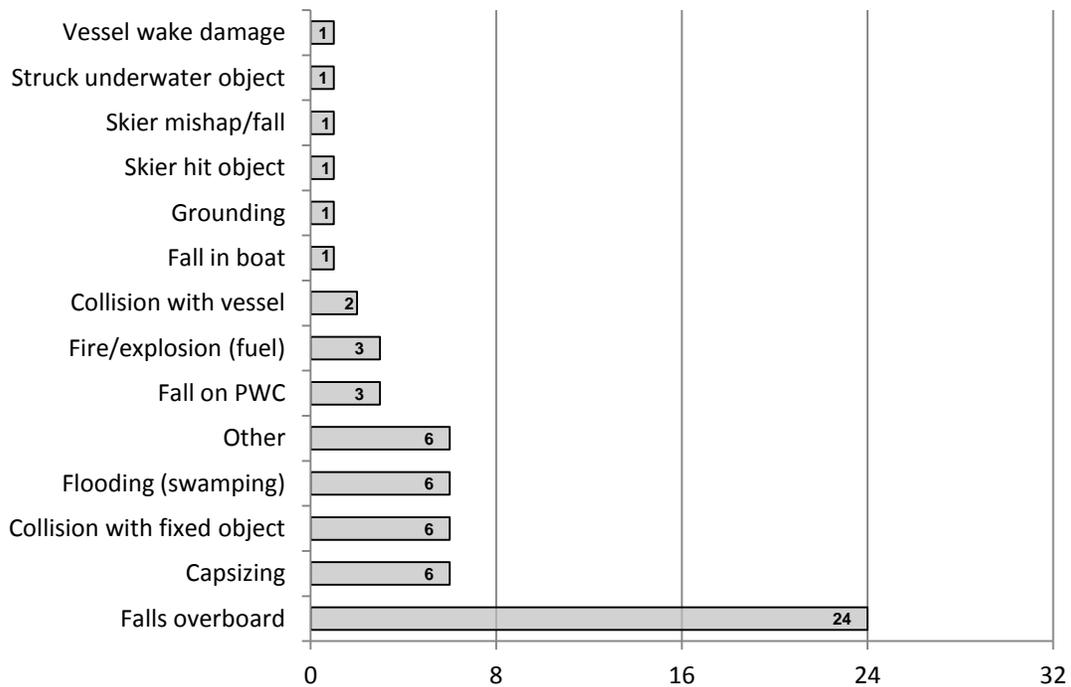


### TIME OF DAY



\*62 fatal accidents involving 67 fatalities.

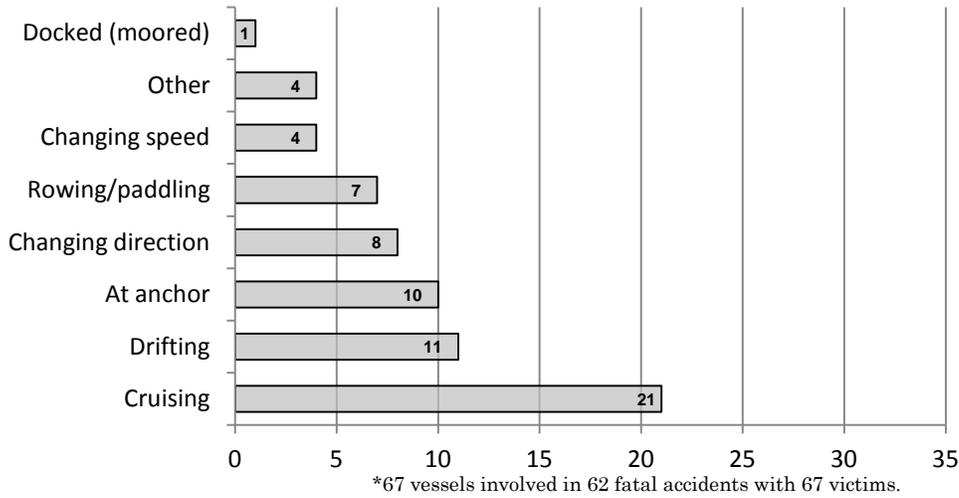
### TYPES OF ACCIDENTS



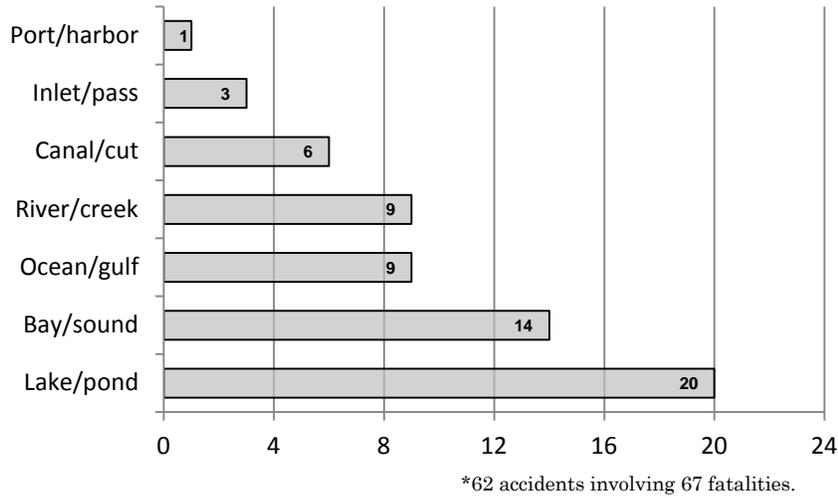
\*62 fatal accidents involving 67 fatalities.  
Based on first harmful event.

## 2011 FATALITY DATA

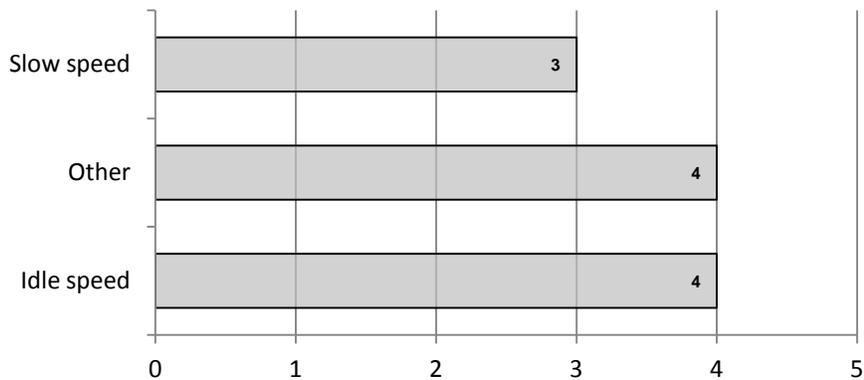
### OPERATION AT TIME OF ACCIDENT



### ACCIDENT SITE LOCATION

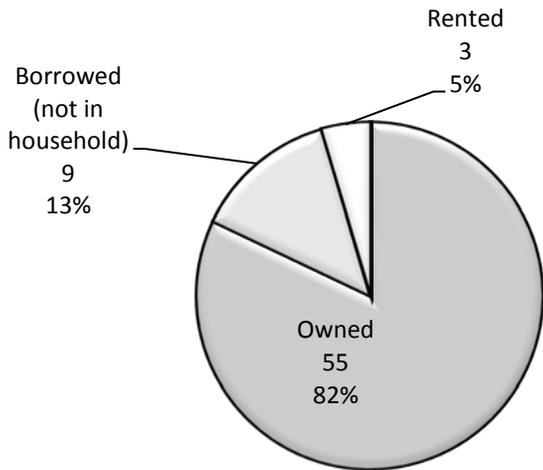


### RESTRICTED AREA FATAL ACCIDENTS



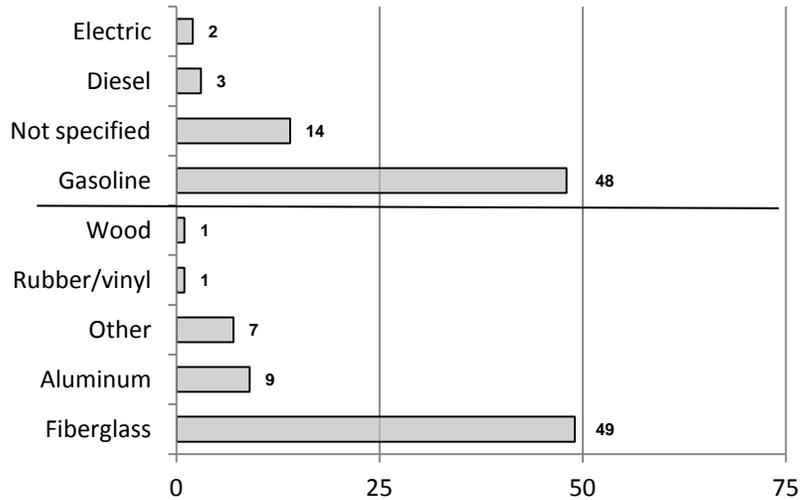
## 2011 FATALITY DATA

### VESSEL OWNERSHIP



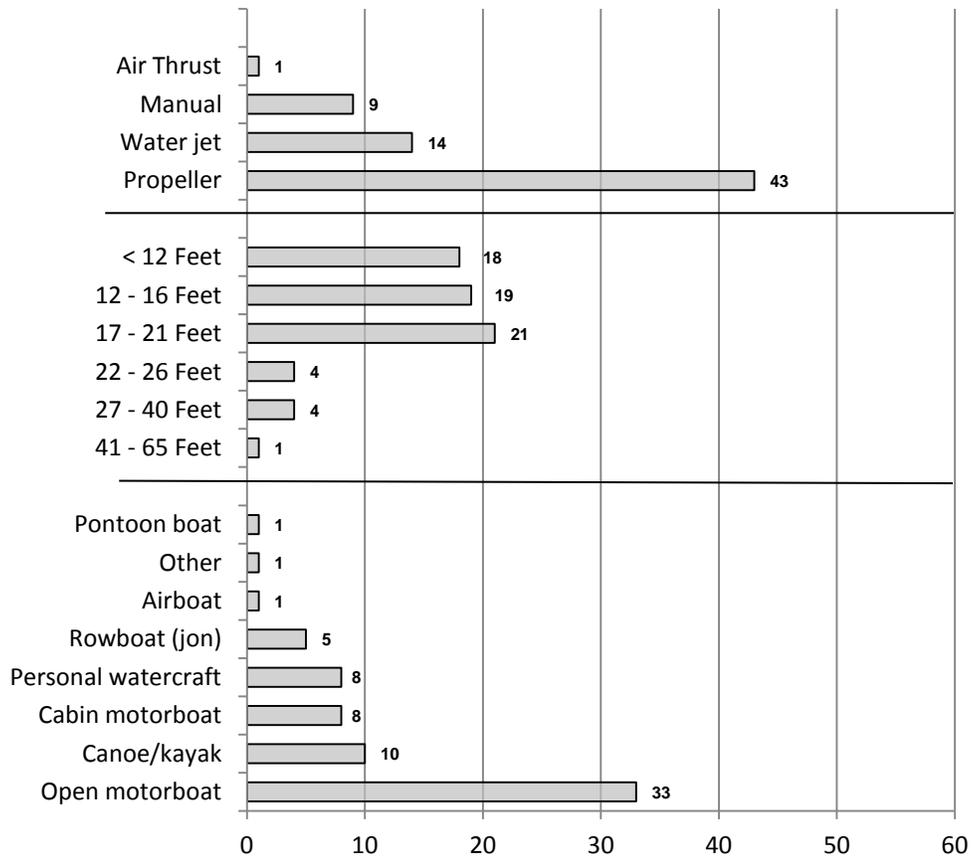
\*67 total fatalities involving 67 vessels.

### VESSEL FUEL & HULL TYPE



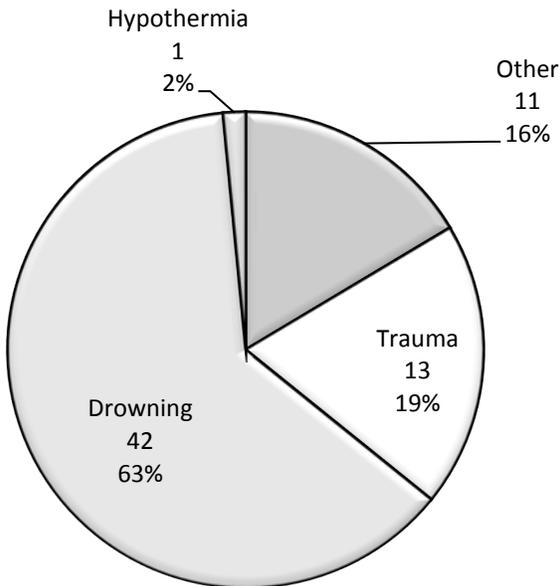
\*62 fatal accidents involving 67 vessels.

### VESSEL PROPULSION, LENGTH & TYPE



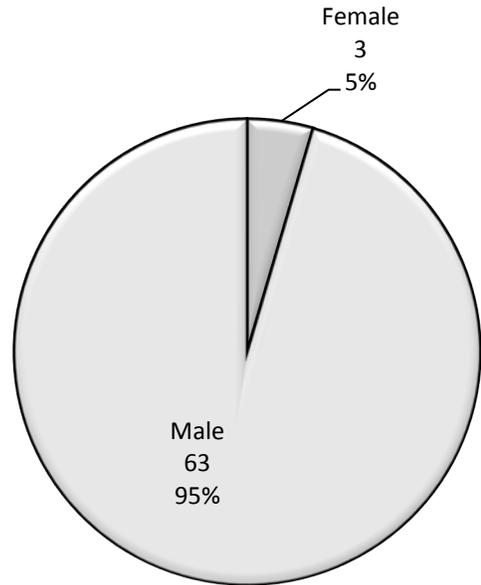
## 2011 FATALITY DATA

### PRIMARY CAUSE OF DEATH



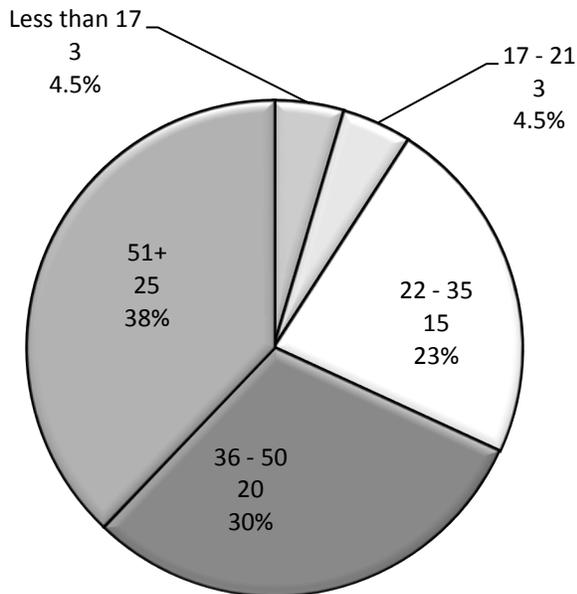
\*62 fatal accidents involving 67 fatalities.

### OPERATOR GENDER



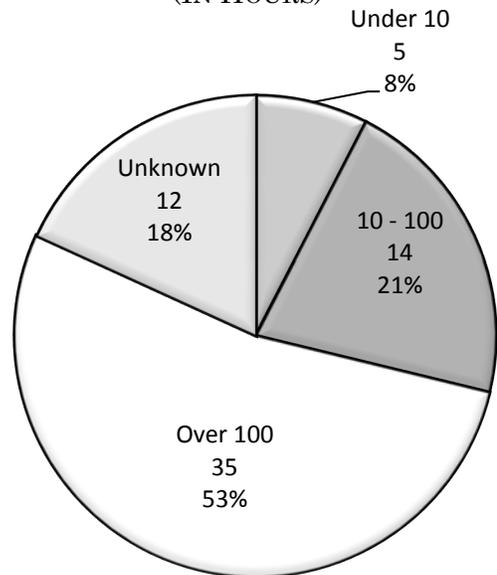
\*62 accidents involving 66 operators and 67 fatalities.

### OPERATOR AGE



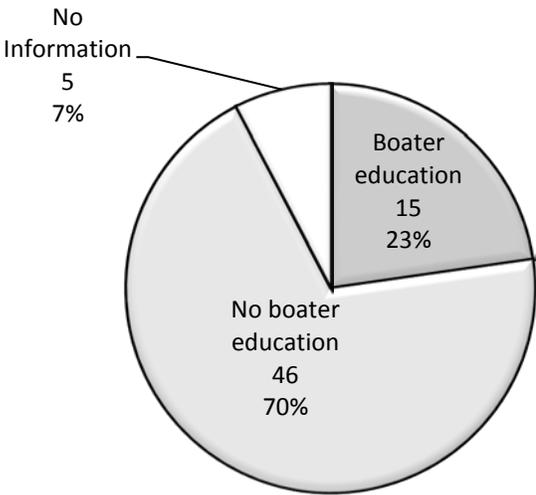
\*62 accidents involving 67 vessels, 66 operators, and 67 fatalities.

### OPERATOR EXPERIENCE (IN HOURS)



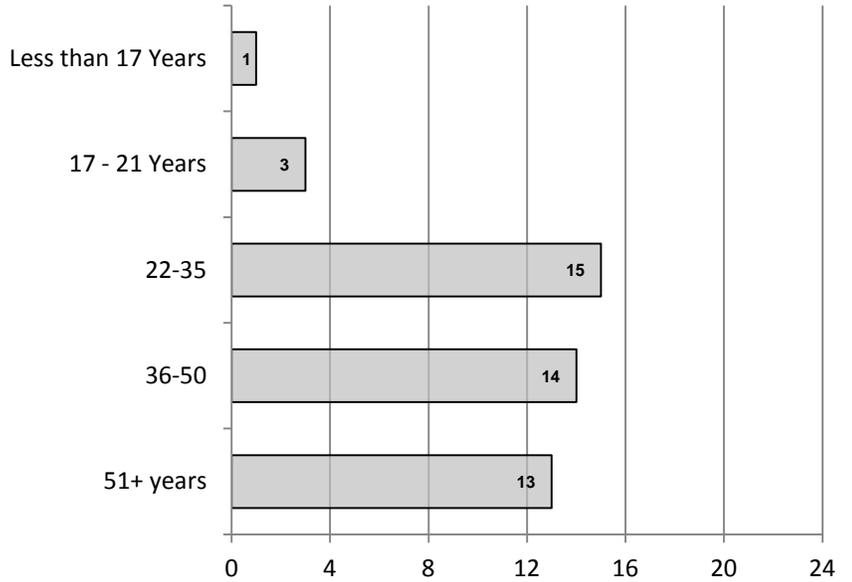
## 2011 FATALITY DATA

### BOAT OPERATOR EDUCATION

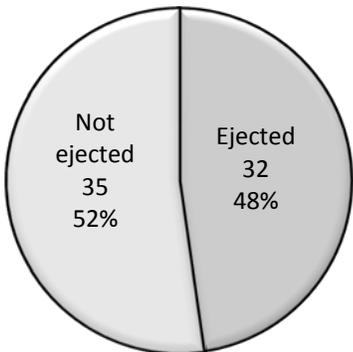


\*62 fatal accidents involving 66 operators.

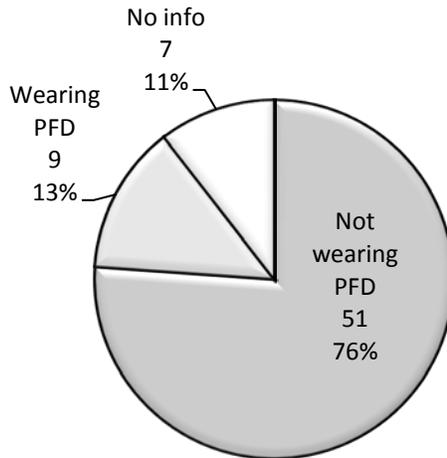
### OPERATORS BY AGE WITHOUT FORMAL BOATER EDUCATION



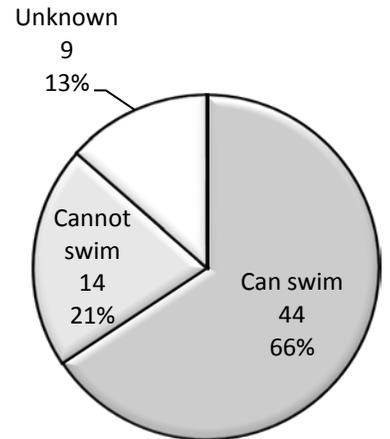
### VICTIM STATISTICS (EJECTED)



### VICTIM STATISTICS (WEARING PFD)



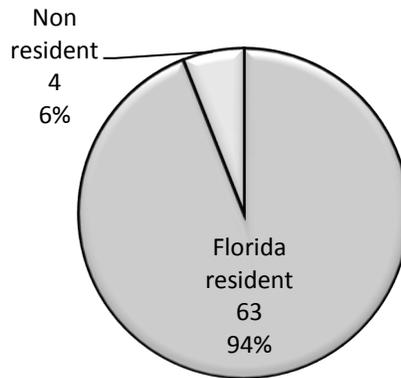
### VICTIM STATISTICS (SWIMMING ABILITY)



\*62 fatal accidents involving 67 victims.

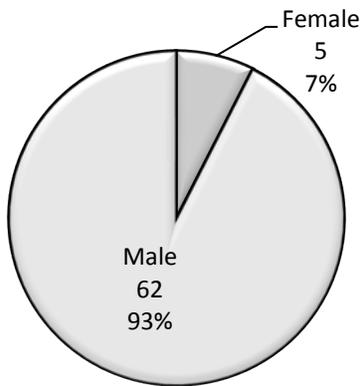
## 2011 FATALITY DATA

### VICTIM RESIDENCY

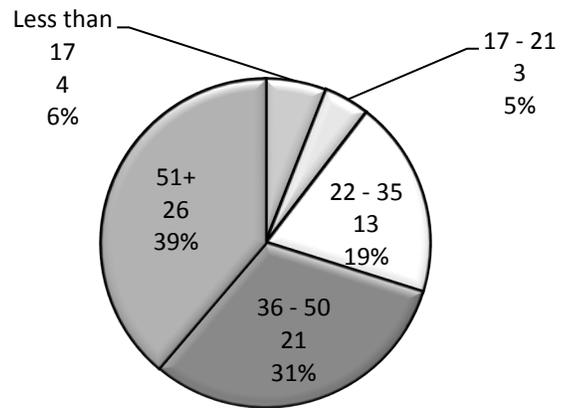


\*62 fatal accidents involving 67 fatalities.

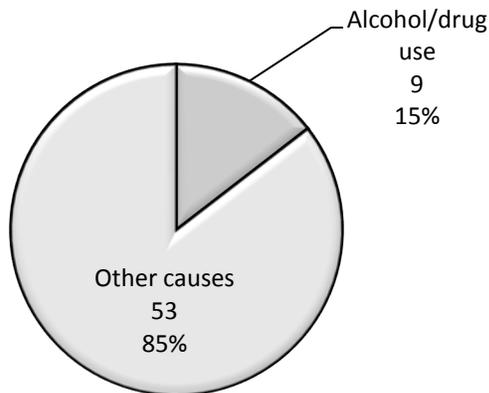
### VICTIM GENDER



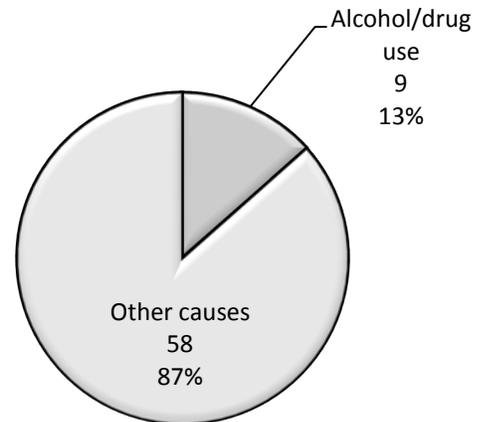
### VICTIM AGE



### ALCOHOL/DRUG RELATED ACCIDENTS



### ALCOHOL/DRUG RELATED VICTIMS

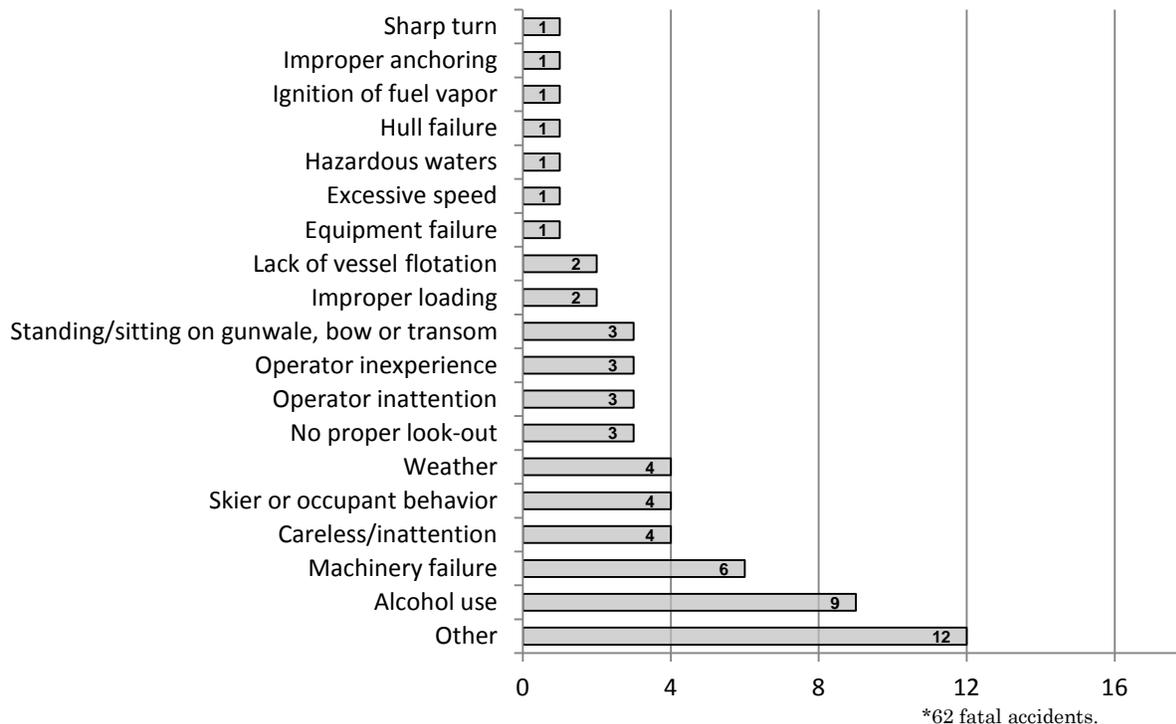


\*62 accidents involving 67 fatalities.

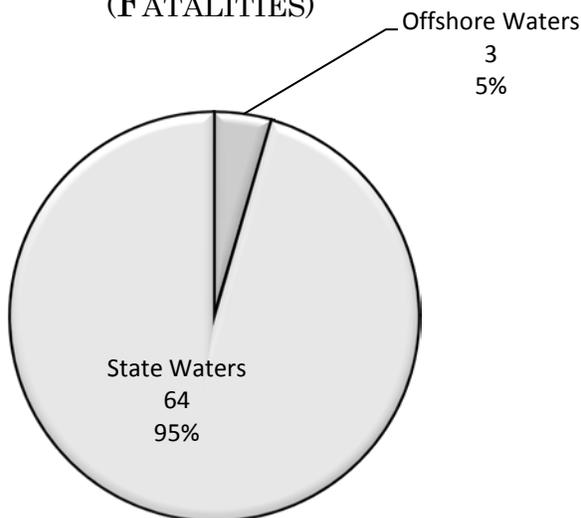
(Alcohol/drug related refers to any accidents in which alcohol/drug-use may have been a contributing factor, whether or not legally impaired.)

## 2011 FATALITY DATA

### PRIMARY CAUSE OF ACCIDENT BY REVIEWING AUTHORITY



### STATE WATERS VS. OFFSHORE WATERS (FATALITIES)



\*Offshore defined as the edge of the Gulf Stream or 3 miles from shore, whichever is greater, in the Atlantic and more than 9 miles out in the Gulf.



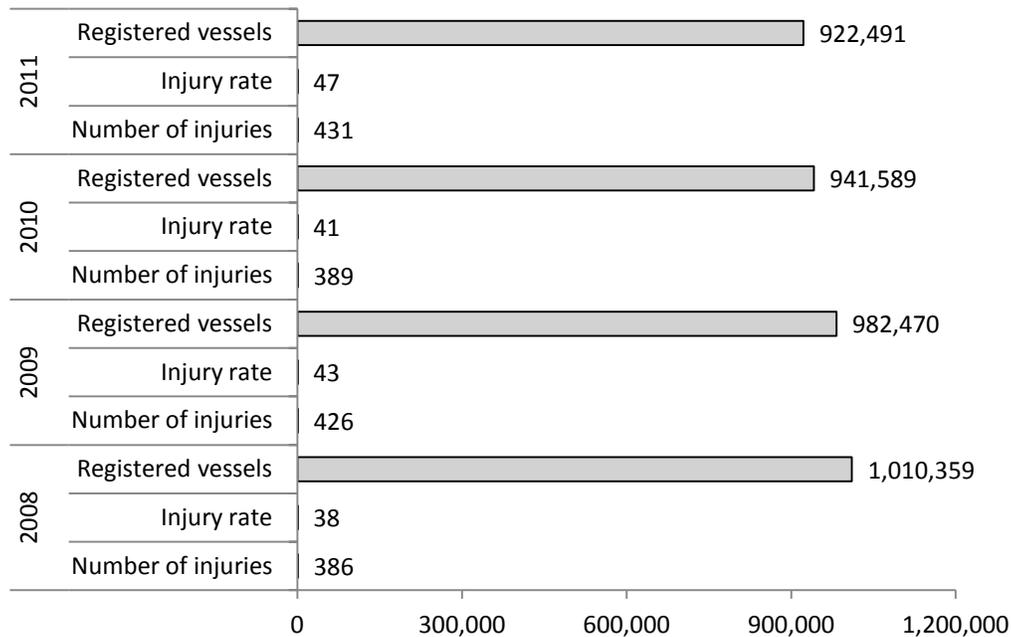
**2011 INJURY STATISTICS**  
**FLORIDA FISH AND WILDLIFE  
CONSERVATION COMMISSION  
DIVISION OF LAW ENFORCEMENT**



# 2011 REPORTABLE BOATING ACCIDENTS

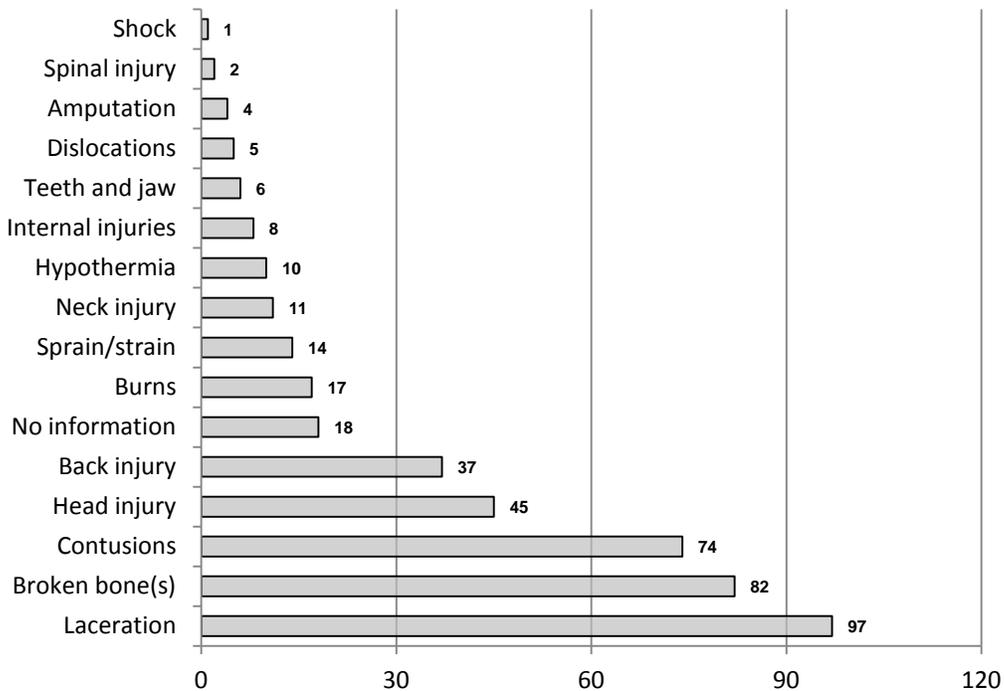
## 2011 INJURY DATA

TOTAL INJURIES RECORDED 2008 - 2011



\*Injury Rate – Number of injuries per 100,000 recreational registered vessels.

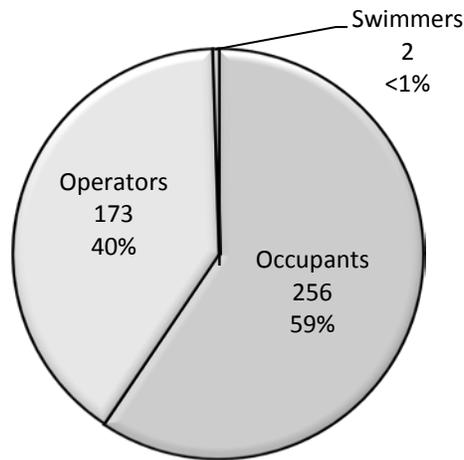
## PRIMARY TYPE OF INJURY



\*742 accidents involving 431 injuries.

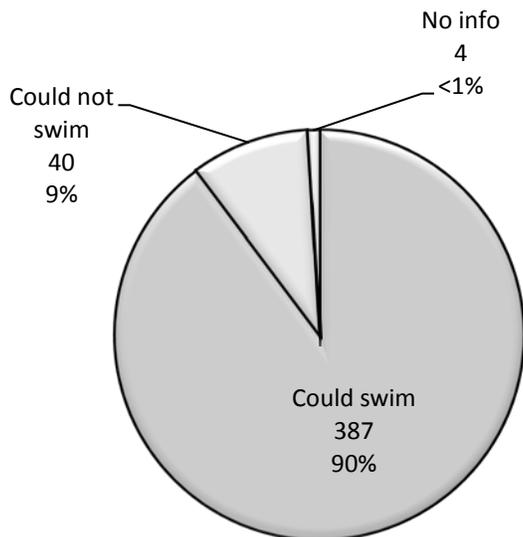
## 2011 INJURY DATA

### VICTIM STATISTICS

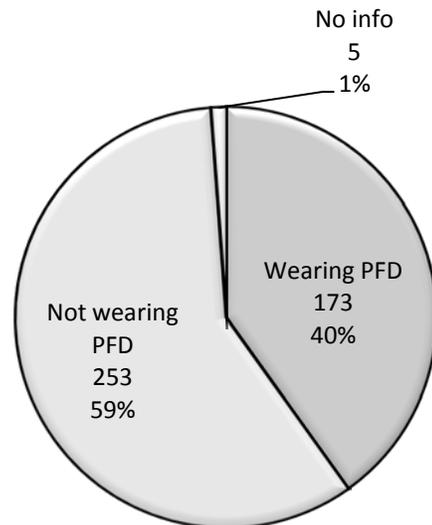


\*742 accidents involving 431 injuries.

### VICTIM STATISTICS (SWIMMING ABILITY)



### VICTIM STATISTICS (PFD USE)





## 2011 PERSONAL WATERCRAFT STATISTICS

**FLORIDA FISH AND WILDLIFE  
CONSERVATION COMMISSION  
DIVISION OF LAW ENFORCEMENT**



## PERSONAL WATERCRAFT DATA

2011 PERSONAL WATERCRAFT REGISTRATION AND ACCIDENTS BY COUNTY									
County	Pleasure	Rental	Total	PWC Accidents	PWC Fatalities	PWC Injuries	Property Damage	Rank	Accident Rate*
Alachua	872	2	874	0	0	0	0	36	0
Baker	236	0	236	0	0	0	0	37	0
<b>Bay</b>	<b>2,143</b>	<b>275</b>	<b>2,418</b>	<b>6</b>	<b>0</b>	<b>4</b>	<b>6,500</b>	<b>8</b>	<b>1:403</b>
Bradford	267	0	267	0	0	0	0	38	0
Brevard	3,676	16	3,692	1	0	1	100	30	1:3,692
<b>Broward</b>	<b>7,883</b>	<b>65</b>	<b>7,948</b>	<b>6</b>	<b>0</b>	<b>5</b>	<b>15,225</b>	<b>9</b>	<b>1:1,325</b>
Calhoun	45	0	45	0	0	0	0	39	0
Charlotte	1,459	41	1,500	2	0	3	5,250	21	1:750
Citrus	1,019	0	1,019	1	0	1	200	31	1:1,019
Clay	1,870	6	1,876	3	0	3	1,000	16	1:625
Collier	2,778	186	2,964	4	0	4	4,000	14	1:741
Columbia	318	1	319	0	0	0	0	40	0
Desoto	175	0	175	0	0	0	0	41	0
Dixie	112	0	112	2	0	2	0	22	1:56
Duval	4,053	8	4,061	3	0	3	7,950	17	1:1,353
<b>Escambia</b>	<b>1,741</b>	<b>49</b>	<b>1,790</b>	<b>6</b>	<b>0</b>	<b>5</b>	<b>2,000</b>	<b>10</b>	<b>1:298</b>
Flagler	637	3	640	0	0	0	0	42	0
Franklin	203	0	203	0	0	0	0	43	0
Gadsden	98	0	98	0	0	0	0	44	0
Gilchrist	112	0	112	1	0	1	500	32	1:112
Glades	37	0	37	0	0	0	0	45	0
Gulf	148	3	151	0	0	0	0	46	0
Hamilton	33	0	33	0	0	0	0	47	0
Hardee	139	1	140	0	0	0	0	48	0
Hendry	180	0	180	0	0	0	0	49	0
Hernando	980	1	981	2	0	1	2,630	23	1:491
Highlands	1,195	2	1,197	0	0	0	0	50	0
Hillsborough	6,228	39	6,267	4	0	6	6,200	15	1:1,567
Holmes	80	2	82	0	0	0	0	51	0
Indian River	867	0	867	2	0	2	1,500	24	1:434
Jackson	263	5	268	0	0	0	0	52	0
Jefferson	48	0	48	0	0	0	0	53	0
Lafayette	64	0	64	0	0	0	0	54	0
Lake	2,595	12	2,607	2	1	1	7,000	25	1:1,304
Lee	4,432	170	4,602	5	0	5	12,400	12	1:920
Leon	1,154	1	1,155	0	0	0	0	55	0
Levy	203	2	205	0	0	0	0	56	0

## PERSONAL WATERCRAFT DATA

### 2011 PERSONAL WATERCRAFT REGISTRATION AND ACCIDENTS BY COUNTY

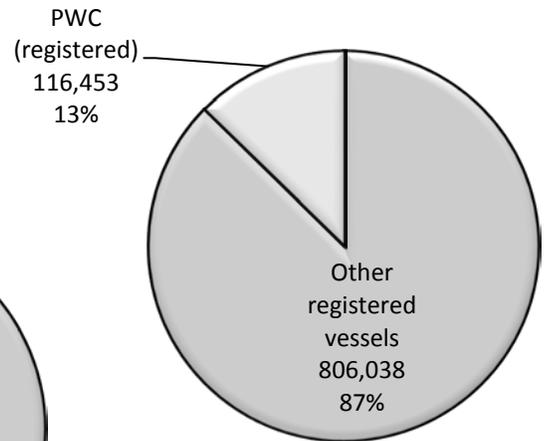
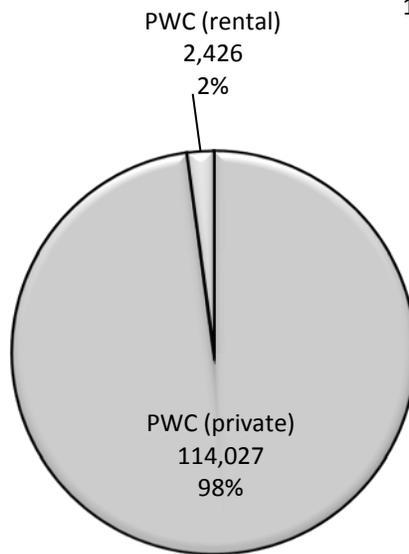
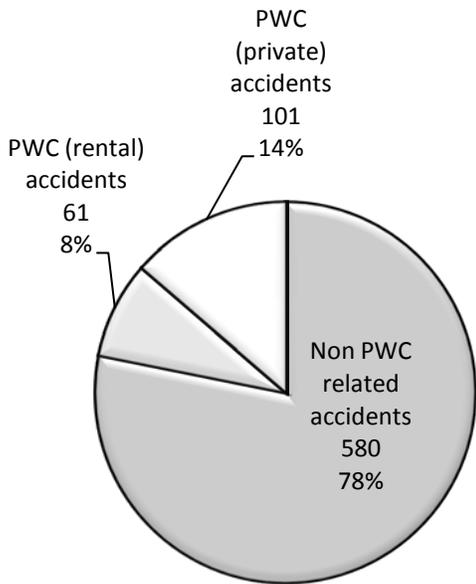
County	Pleasure	Rental	Total	PWC Accidents	PWC Fatalities	PWC Injuries	Property Damage	Rank	Accident Rate*
Liberty	36	0	36	0	0	0	0	57	0
Madison	45	0	45	0	0	0	0	58	0
Manatee	2,123	45	2,168	1	0	0	5,500	33	1:2,168
Marion	1,793	4	1,797	2	0	1	3,250	26	1:899
Martin	1,440	23	1,463	2	0	2	0	27	1:732
<b>Miami-Dade</b>	<b>10,592</b>	<b>336</b>	<b>10,928</b>	<b>18</b>	<b>2</b>	<b>14</b>	<b>47,700</b>	<b>2</b>	<b>1:607</b>
<b>Monroe</b>	<b>1,527</b>	<b>373</b>	<b>1,900</b>	<b>24</b>	<b>1</b>	<b>22</b>	<b>55,250</b>	<b>1</b>	<b>1:79</b>
Nassau	660	4	664	0	0	0	0	59	0
<b>Okaloosa</b>	<b>2,775</b>	<b>242</b>	<b>3,017</b>	<b>7</b>	<b>0</b>	<b>6</b>	<b>8,001</b>	<b>6</b>	<b>1:431</b>
Okeechobee	253	0	253	0	0	0	0	60	0
<b>Orange</b>	<b>6,690</b>	<b>34</b>	<b>6,724</b>	<b>8</b>	<b>2</b>	<b>7</b>	<b>8,600</b>	<b>4</b>	<b>1:841</b>
Osceola	1,606	14	1,620	2	0	2	3,200	28	1:810
<b>Palm Beach</b>	<b>6,493</b>	<b>59</b>	<b>6,552</b>	<b>8</b>	<b>0</b>	<b>9</b>	<b>19,650</b>	<b>5</b>	<b>1:819</b>
Pasco	3,316	14	3330	1	0	1	500	34	1:3,330
<b>Pinellas</b>	<b>7,309</b>	<b>171</b>	<b>7,480</b>	<b>9</b>	<b>0</b>	<b>5</b>	<b>37,700</b>	<b>3</b>	<b>1:831</b>
Polk	2,938	13	2,951	2	0	3	4,500	29	1:1,475
Putnam	654	3	657	0	0	0	0	61	0
Santa Rosa	1,839	68	1,907	3	0	3	9,350	18	1:636
<b>Sarasota</b>	<b>2,387</b>	<b>70</b>	<b>2,457</b>	<b>7</b>	<b>0</b>	<b>7</b>	<b>29,600</b>	<b>7</b>	<b>1:351</b>
Seminole	3,133	3	3,136	0	0	0	0	62	0
St. Johns	1,866	9	1,875	3	0	3	0	19	1:625
St. Lucie	1,368	5	1,373	3	0	2	5,500	20	1:458
Sumter	203	2	205	0	0	0	0	63	0
Suwannee	219	0	219	1	0	0	3,500	35	1:219
Taylor	130	1	131	0	0	0	0	64	0
Union	53	0	53	0	0	0	0	65	0
<b>Volusia</b>	<b>2,727</b>	<b>35</b>	<b>2,762</b>	<b>6</b>	<b>0</b>	<b>6</b>	<b>2,600</b>	<b>11</b>	<b>1:460</b>
Wakulla	152	1	153	0	0	0	0	66	0
Walton	513	3	516	5	1	4	0	13	1:103
Washington	123	3	126	0	0	0	0	67	0
DHSMV	721	1	722	0	0	0	0	0	0
<b>TOTAL</b>	<b>114,027</b>	<b>2,426</b>	<b>116,453</b>	<b>162</b>	<b>7</b>	<b>144</b>	<b>316,856</b>		

\*Accident Rate =  $\frac{\# \text{ of Registered Vessels}}{\# \text{ of Accidents}}$

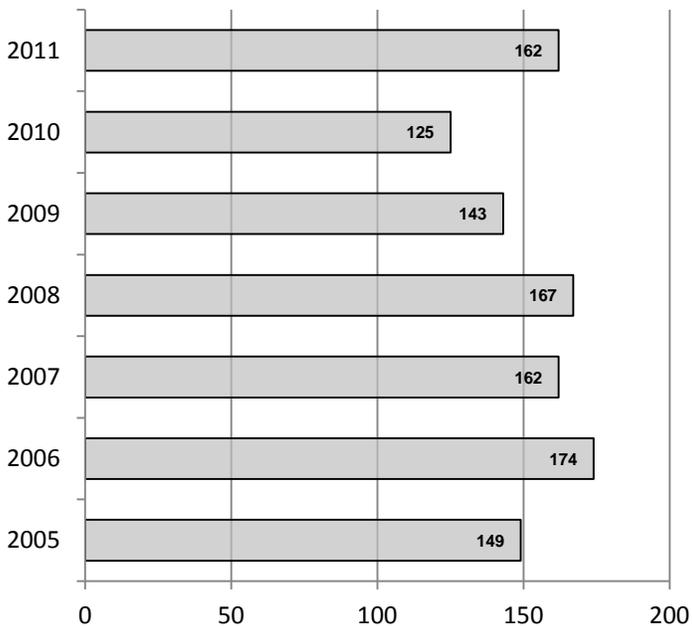
\*Those counties in bold print represent the top counties for PWC boating accidents in 2011.

## 2011 PERSONAL WATERCRAFT DATA

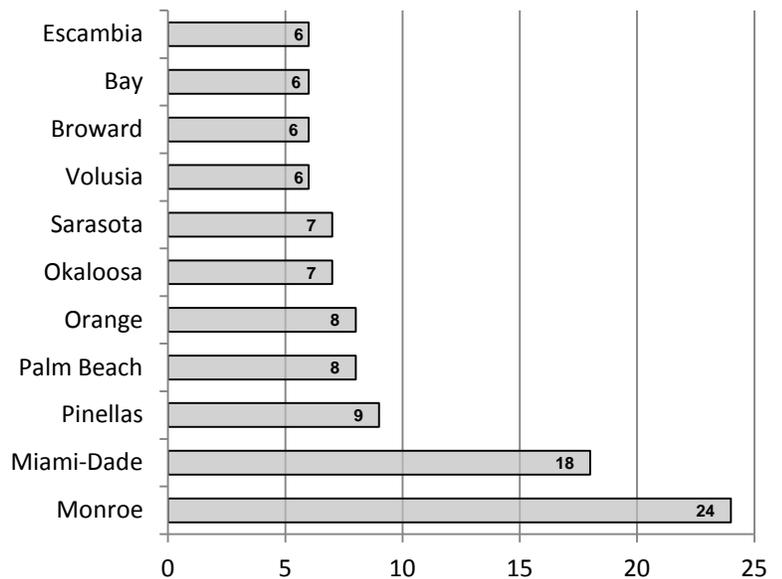
### PWC REGISTRATION



### PWC ACCIDENTS 2005 - 2011



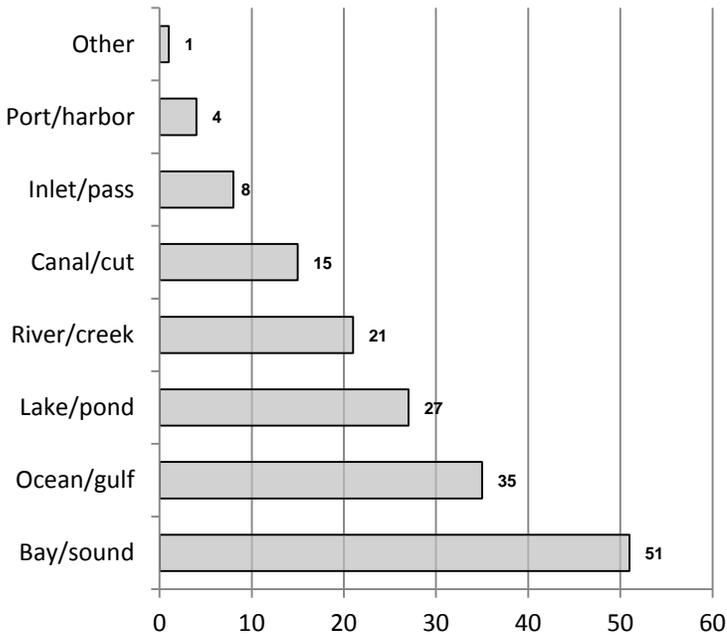
### PWC - TOP TEN COUNTIES FOR 2011



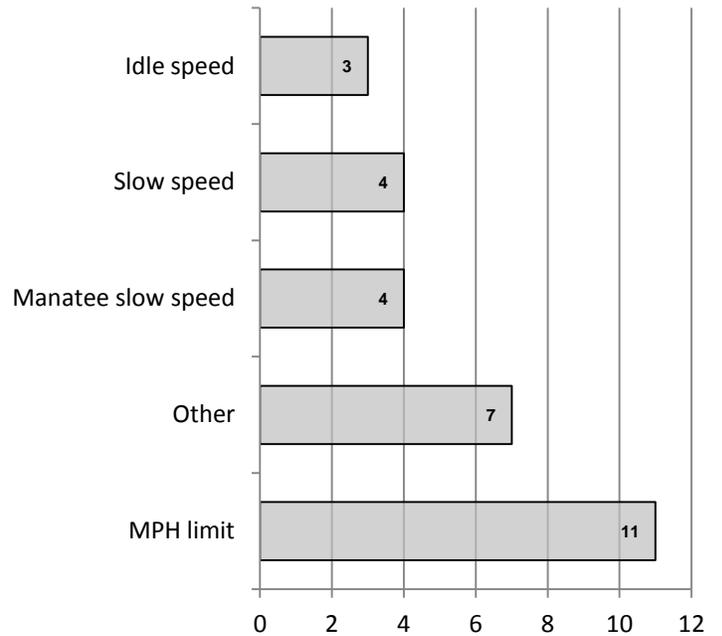
\*162 total PWC accidents in 67 counties.  
\*11 Shown due to ties.

## 2011 PERSONAL WATERCRAFT DATA

### ACCIDENT SITE LOCATION

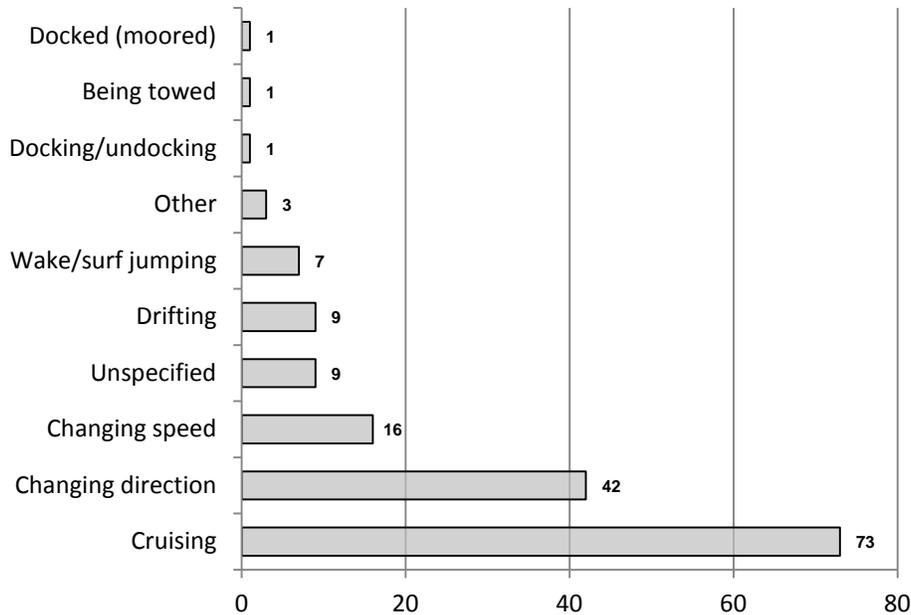


### RESTRICTED AREA ACCIDENTS



\*29 PWC accidents occurred within a restricted area.

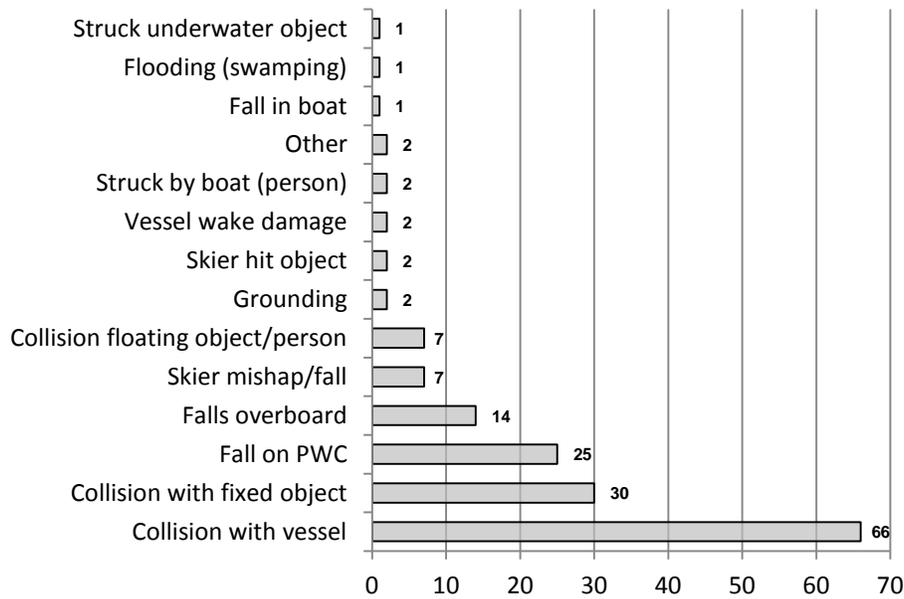
### OPERATION AT TIME OF ACCIDENT



\*162 PWC accidents.

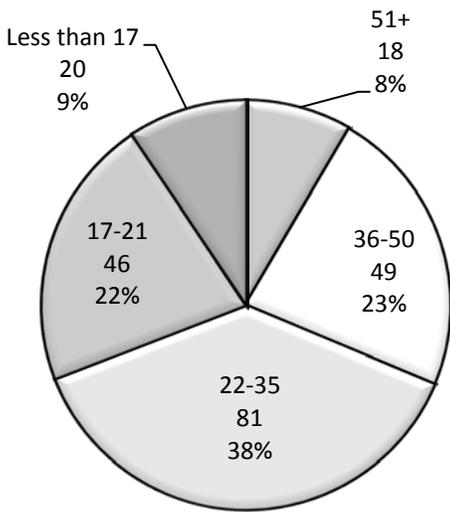
## 2011 PERSONAL WATERCRAFT DATA

### PRIMARY TYPE OF ACCIDENT

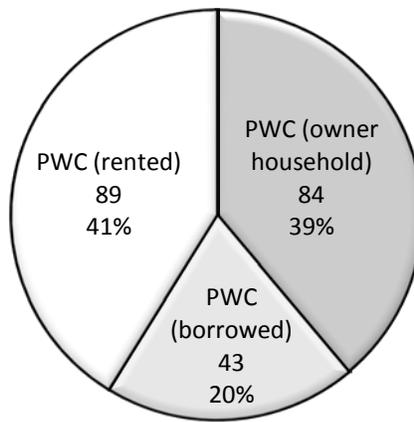


\*162 PWC accidents  
(Based on first harmful event as determined by the state reviewing authority.)

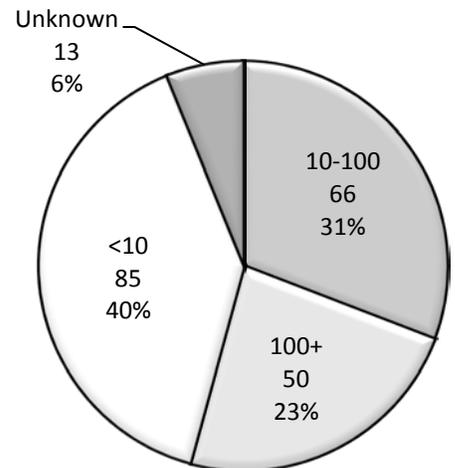
### PWC OPERATOR AGE



### PWC OWNERSHIP



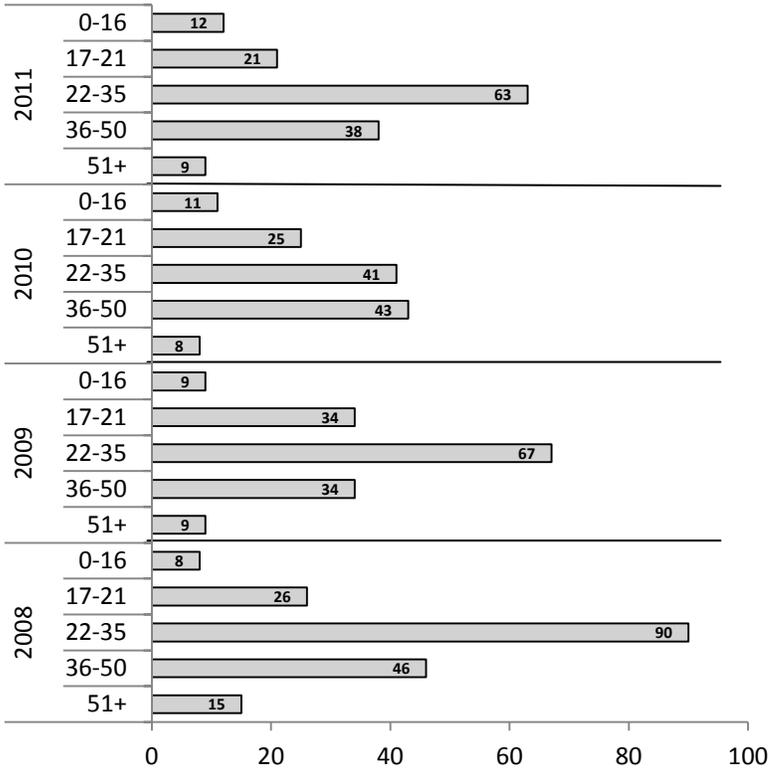
### PWC OPERATOR EXPERIENCE (HOURS)



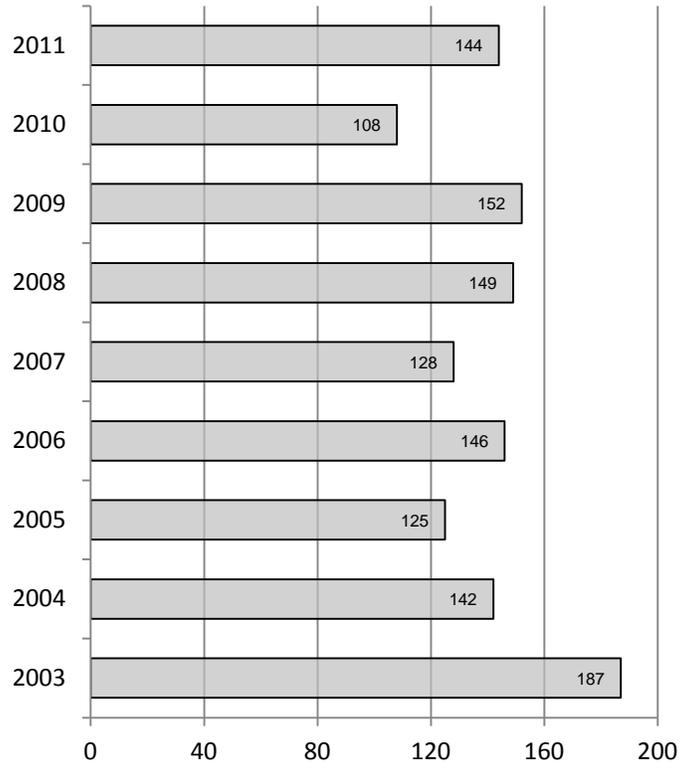
\*162 PWC accidents involving 240 vessels and 214 operators.

## 2011 PERSONAL WATERCRAFT DATA

PWC OPERATORS BY AGE WITHOUT BOATER EDUCATION (2008 - 2011)

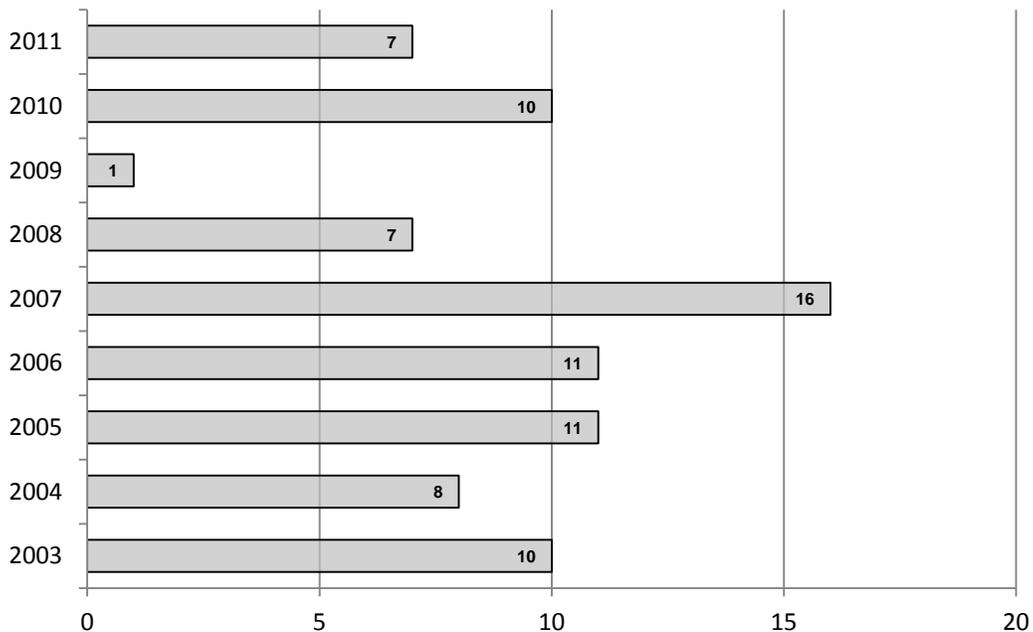


PWC INJURIES (2003-2011)



\*162 accidents involving 143 operators without education.

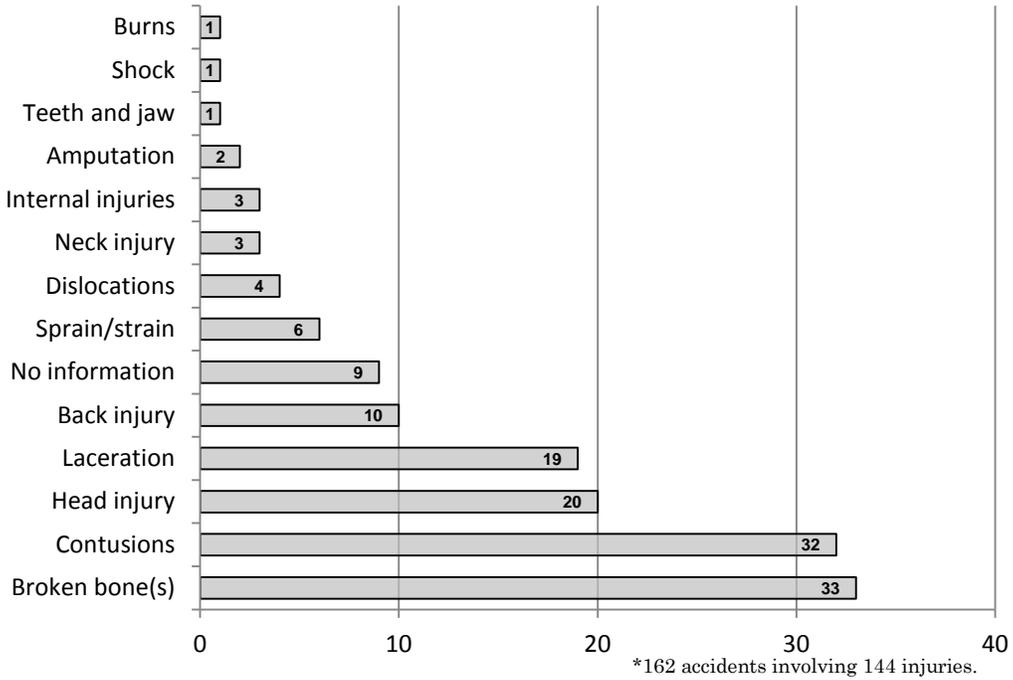
PWC FATALITIES (2003 - 2011)



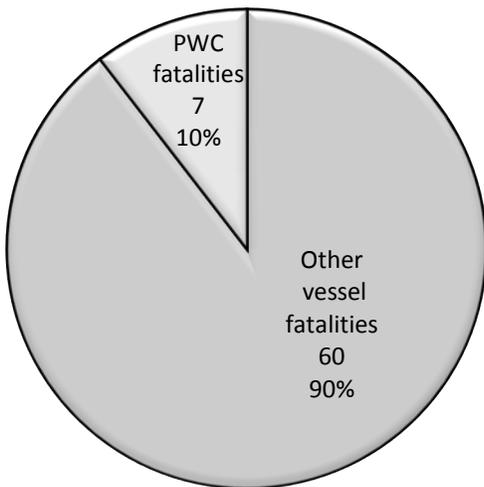
\*162 accidents involving 7 fatalities.

## PERSONAL WATERCRAFT DATA

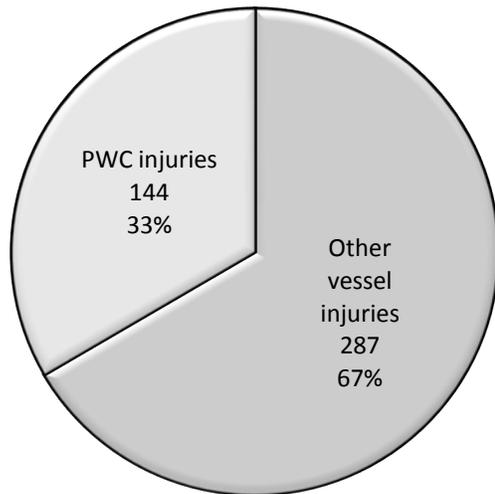
### PRIMARY INJURY TYPES



### COMPARISONS OF PWC FATALITIES

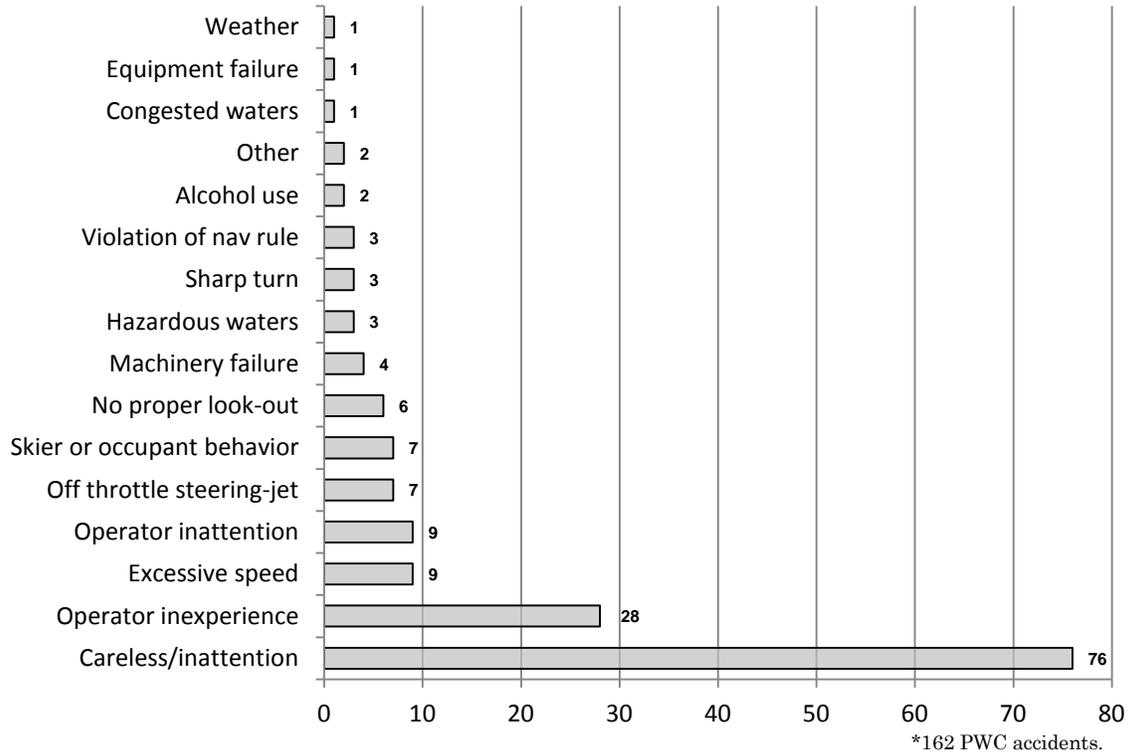


### COMPARISONS OF PWC INJURIES

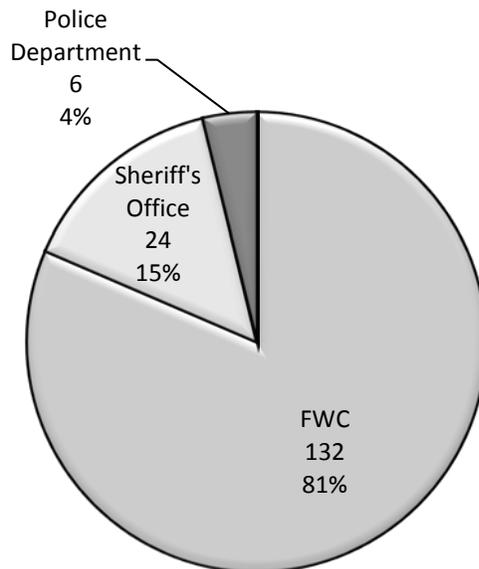


## PERSONAL WATERCRAFT DATA

### PRIMARY CAUSE ASSESSED BY REVIEWING AUTHORITY



### INVESTIGATING AGENCY



\*162 PWC accidents.



## 2011 BOATING EDUCATION STATISTICS

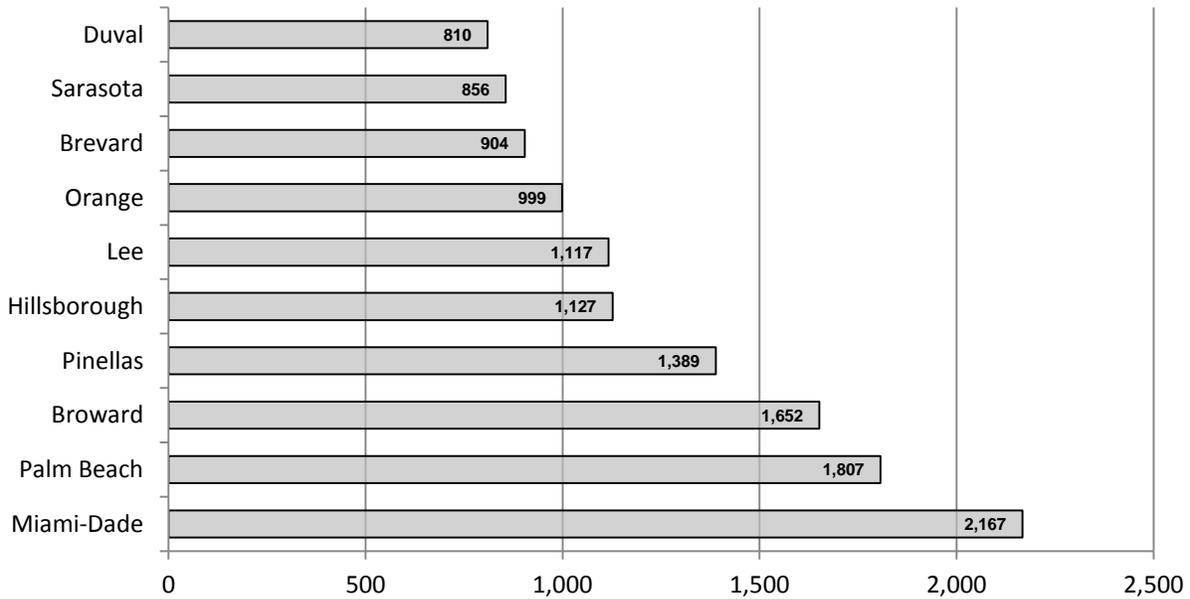
**FLORIDA FISH AND WILDLIFE  
CONSERVATION COMMISSION  
DIVISION OF LAW ENFORCEMENT**



## 2011 REPORTABLE BOATING ACCIDENTS

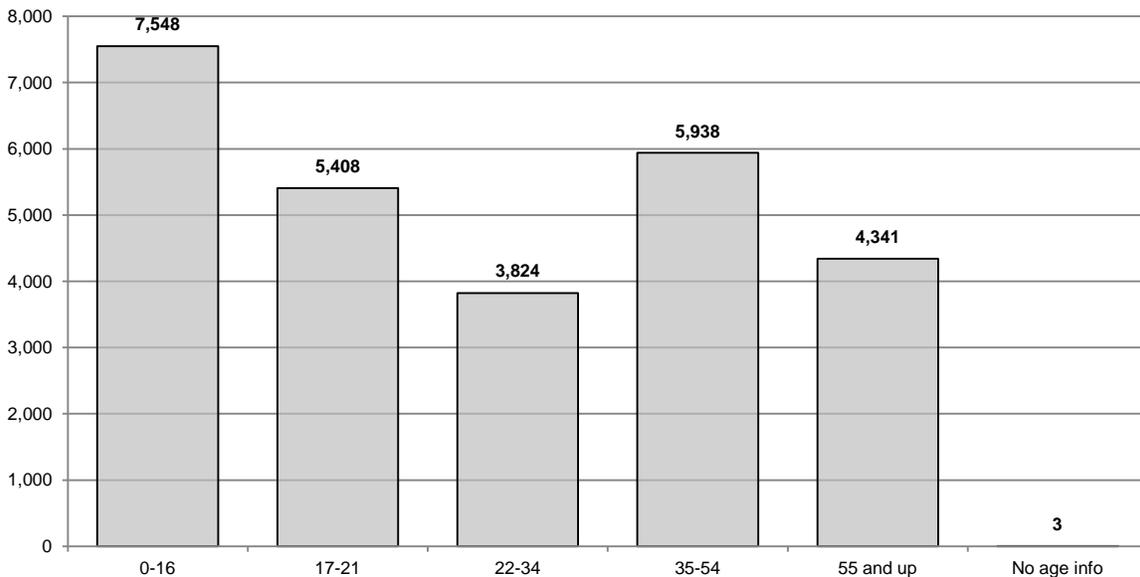
### 2011 BOATING EDUCATION

#### TOP TEN COUNTIES - BOATING SAFETY EDUCATION I.D. CARDS ISSUED



\*27,062 Cards issued in calendar year 2011.  
(Does not include temporary certificates.)

#### BOATING SAFETY EDUCATION I.D. CARD DISTRIBUTION BY AGE



\*3 Boaters did not provide age information.



**2011 VIOLATION SUMMARY**  
**FLORIDA FISH AND WILDLIFE  
CONSERVATION COMMISSION  
DIVISION OF LAW ENFORCEMENT**



## VIOLATION SUMMARY

<b>2011 UNIFORM BOATING CITATION SUMMARY</b>				
CITATION	2011		2010	
	FWC	Other	FWC	Other
<b>Aids to Navigation and Regulatory Markers.</b> Uniform waterway markers for safety and navigation Mooring to or damaging markers or buoys	4	4	18	5
<b>Alcohol and Drugs.</b> Operation of a vessel under the influence of alcohol Operation of a vessel while impaired	290	18	295	28
<b>Boating Restricted Areas.</b> Manatee protection rules Public safety rules Local ordinances	2,590	2,772	2,313	2,518
<b>Boating Safety Education.</b> Boating safety education I.D. cards	255	303	256	214
<b>Livery Operations.</b> Rental without proper safety equipment Rental without boater education Rental to persons under 18 years of age	7	4	26	1
<b>Negligent Operation of a Vessel.</b> Reckless operation of a vessel Careless operation of a vessel Navigation rule violation resulting in an accident Navigation rule violation not resulting in an accident Failure to report an accident	778	333	646	243
<b>Personal Watercraft.</b> Personal watercraft regulations	243	212	222	186
<b>Skiing and Diving.</b> Skiing, aquaplaning, and parasailing violations Dive flag violations	451	129	397	165
<b>Registration and Numbering.</b> Operation of unregistered/unnumbered vessels Application, certificate, number, or decal violation Special manufacturer and dealer numbers Violation relating to vessel titling Violation relating to Hull Identification Numbers	932	1,016	2,148	1,258
<b>Safety Equipment and Regulations.</b> Equipment and lighting requirements	3,923	1,237	2,398	978
<b>SUB TOTAL</b>	<b>9,473</b>	<b>6,028</b>	<b>8,719</b>	<b>5,596</b>
<b>TOTAL VIOLATIONS RECORDED</b>	<b>15,501</b>		<b>14,315</b>	



## 2011 TOP COUNTIES

**FLORIDA FISH AND WILDLIFE  
CONSERVATION COMMISSION  
DIVISION OF LAW ENFORCEMENT**



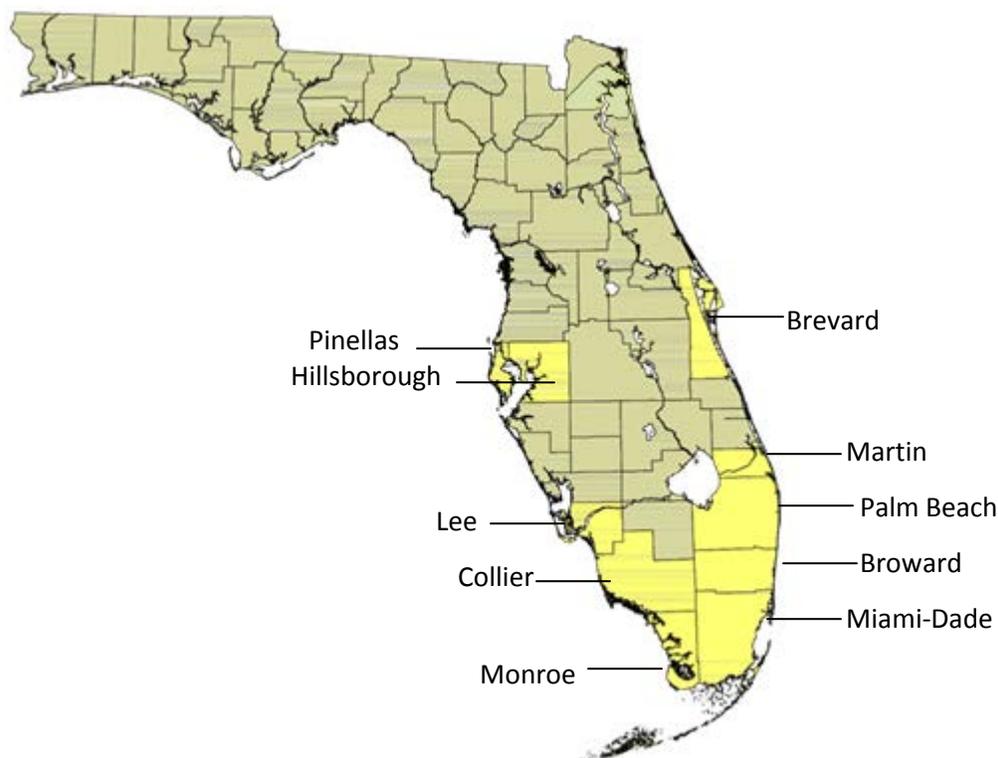
# BOATING ACCIDENTS STATISTICAL REPORT

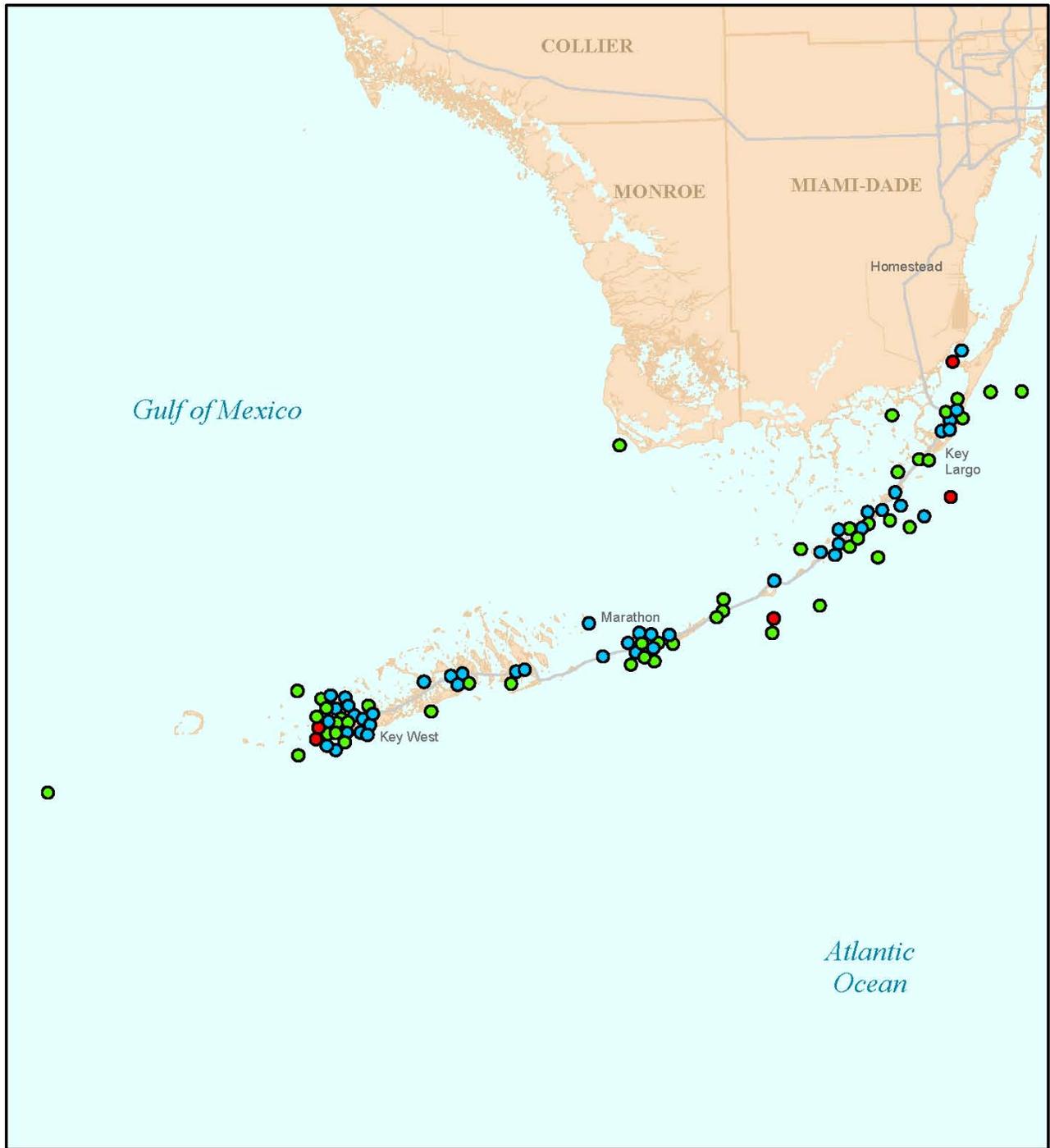
## 2011 Top Ten Counties

A thorough review of the annual boating accident statistics has revealed that 59% of the reportable boating accidents during the 2011 calendar year occurred in 10 Florida counties.

The information on the following pages represents a breakdown of the accident data from each of these top 10 counties. The graphs show the types of vessels involved, the primary cause of each accident and the primary type of accidents for each county. There is also a map of each county with points designating the accident locations.

The information found in this section will provide a basis for future boating safety awareness efforts implemented by the FWC Division of Law Enforcement, Boating and Waterways Section.

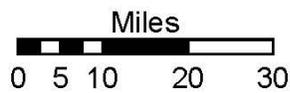




Known Locations of Accidents in Monroe County during 2011

**Legend**

- Fatal Accident (5)
- Accident with Injury (43)
- Accident without Injury (45)



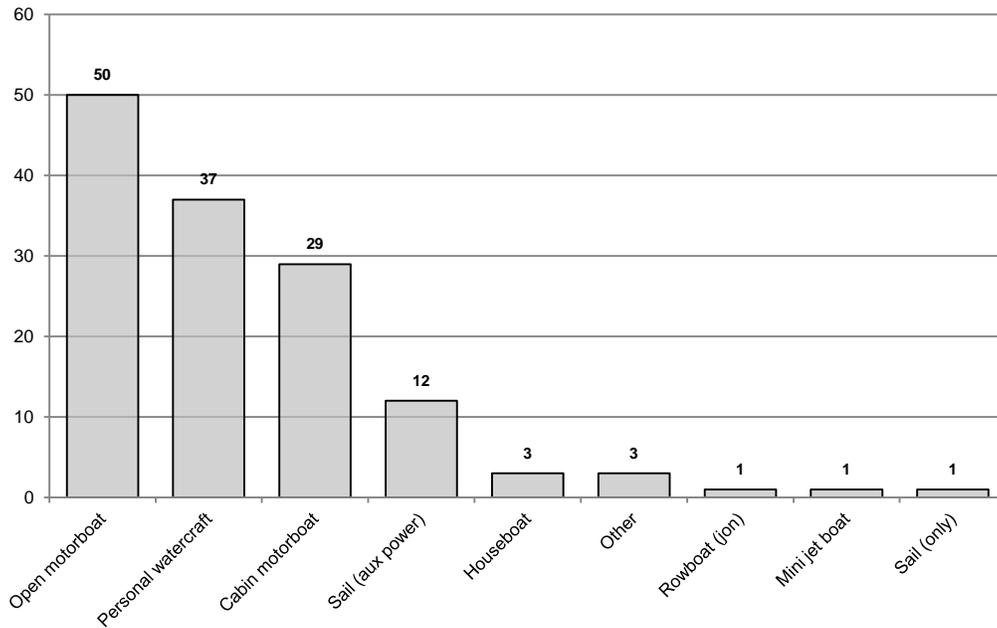
Map document  
created by  
FWC DLE GIS



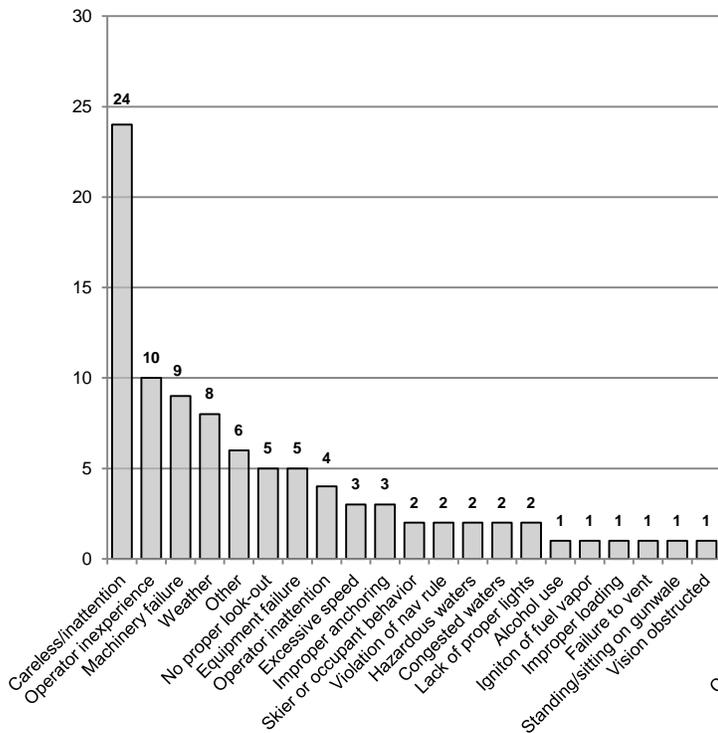
# 2011 REPORTABLE BOATING ACCIDENTS

## 1. MONROE COUNTY

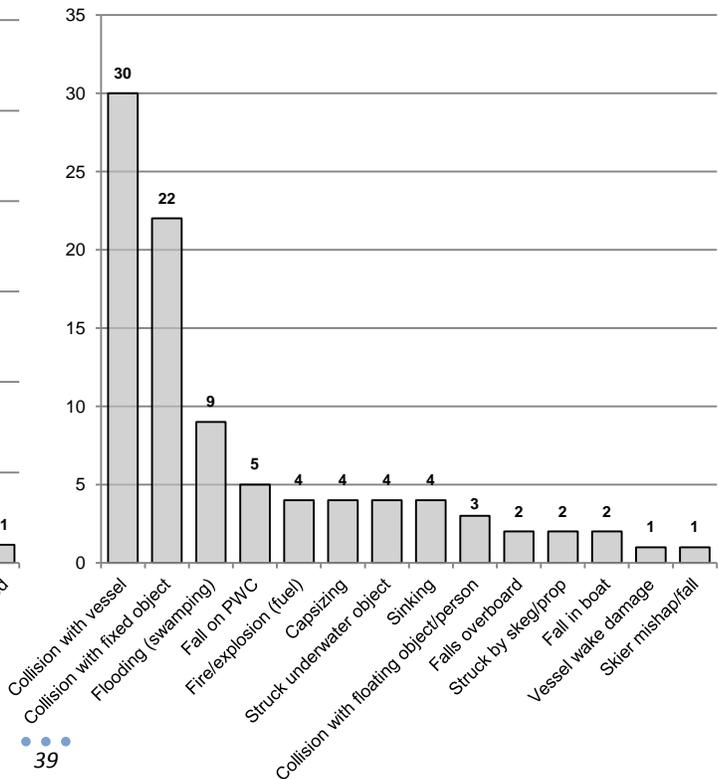
TYPE OF VESSEL

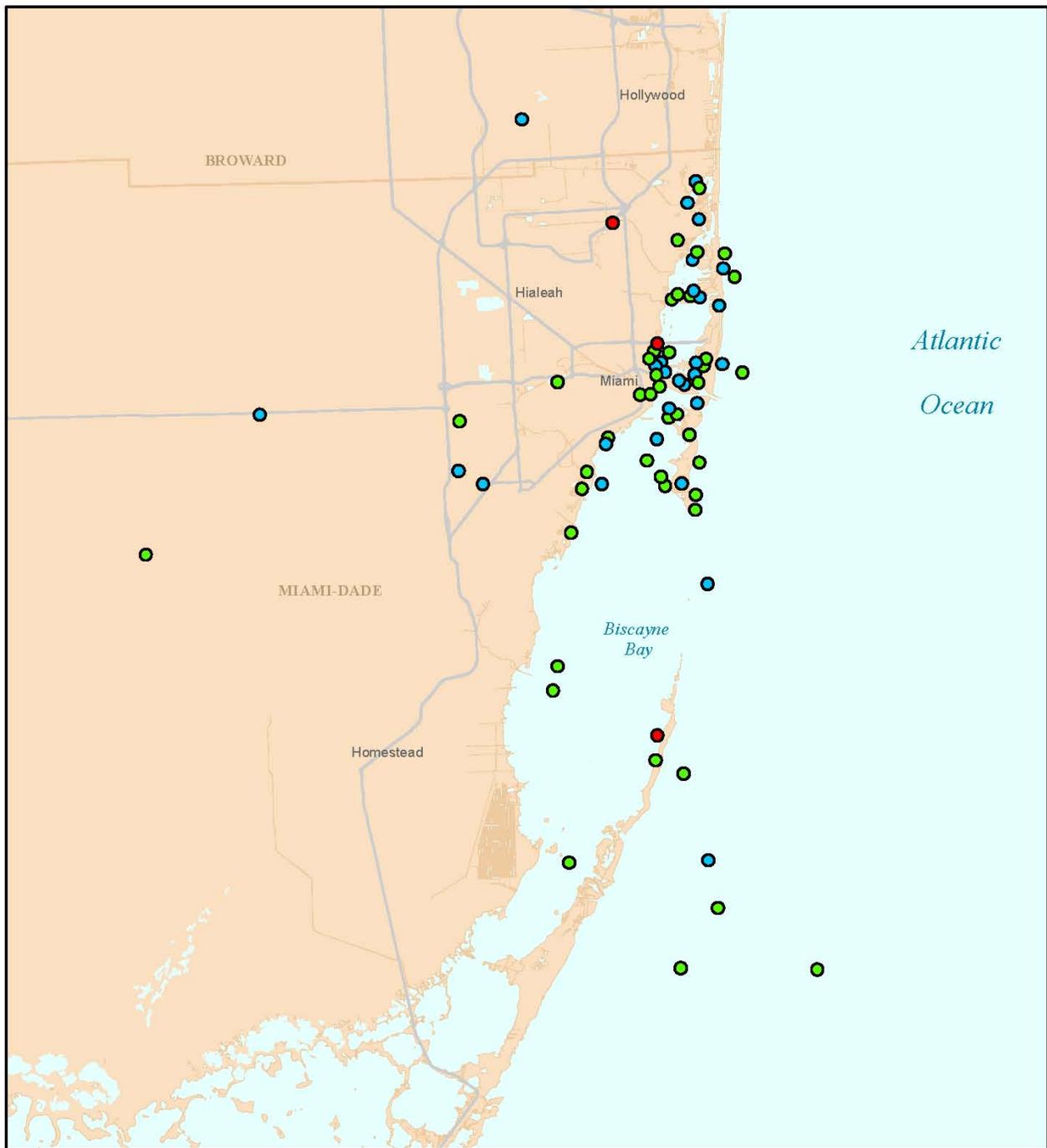


PRIMARY CAUSE OF ACCIDENT



PRIMARY TYPE OF ACCIDENT





Known Locations of Accidents in Miami-Dade County during 2011

**Legend**

- Fatal Accident (3)
- Accident with Injury (28)
- Accident without Injury (44)

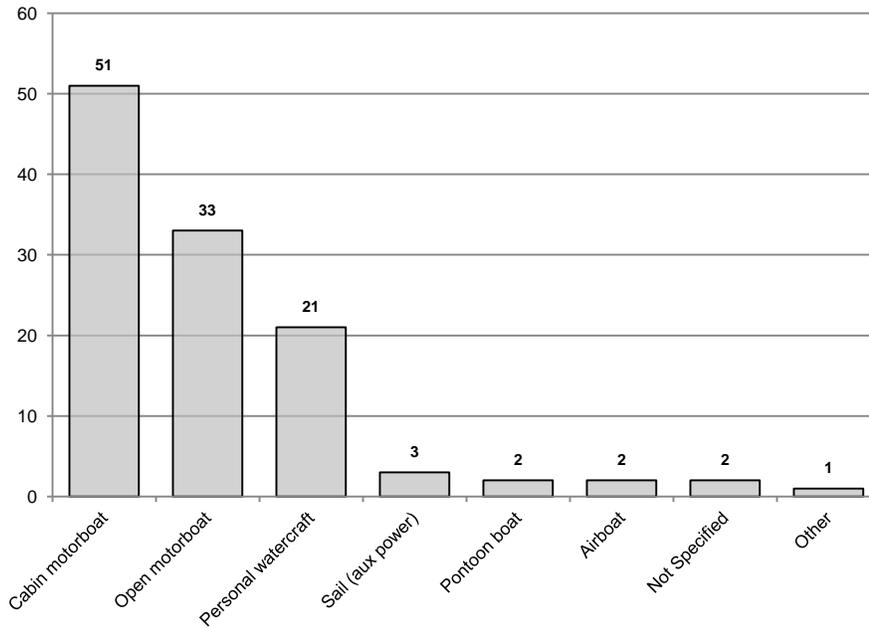


Map document  
created by  
FWC DLE GIS

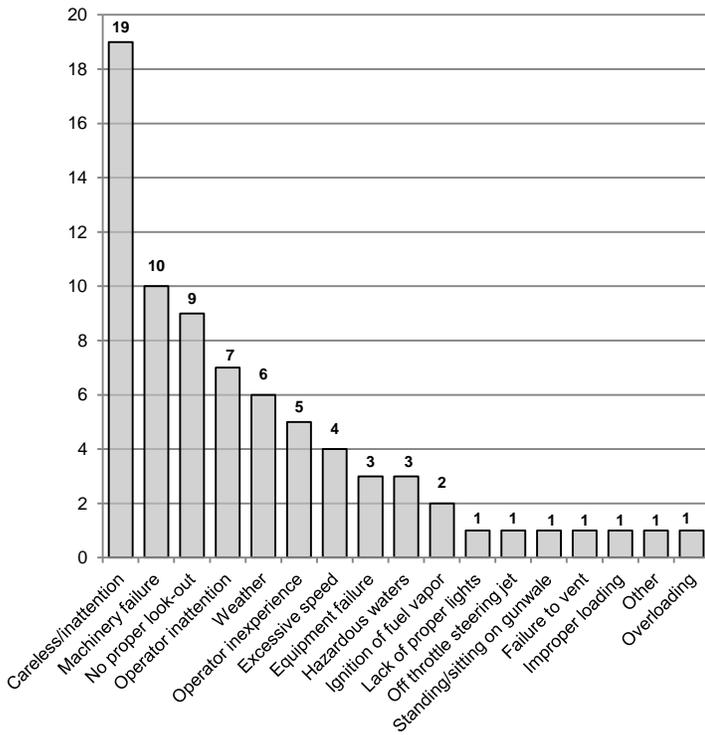


## 2. MIAMI-DADE COUNTY

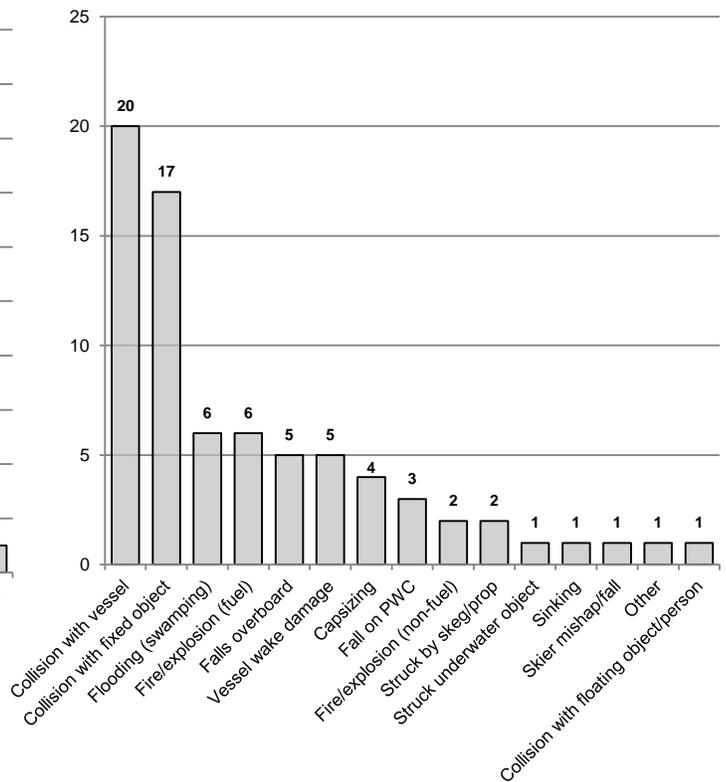
TYPE OF VESSEL

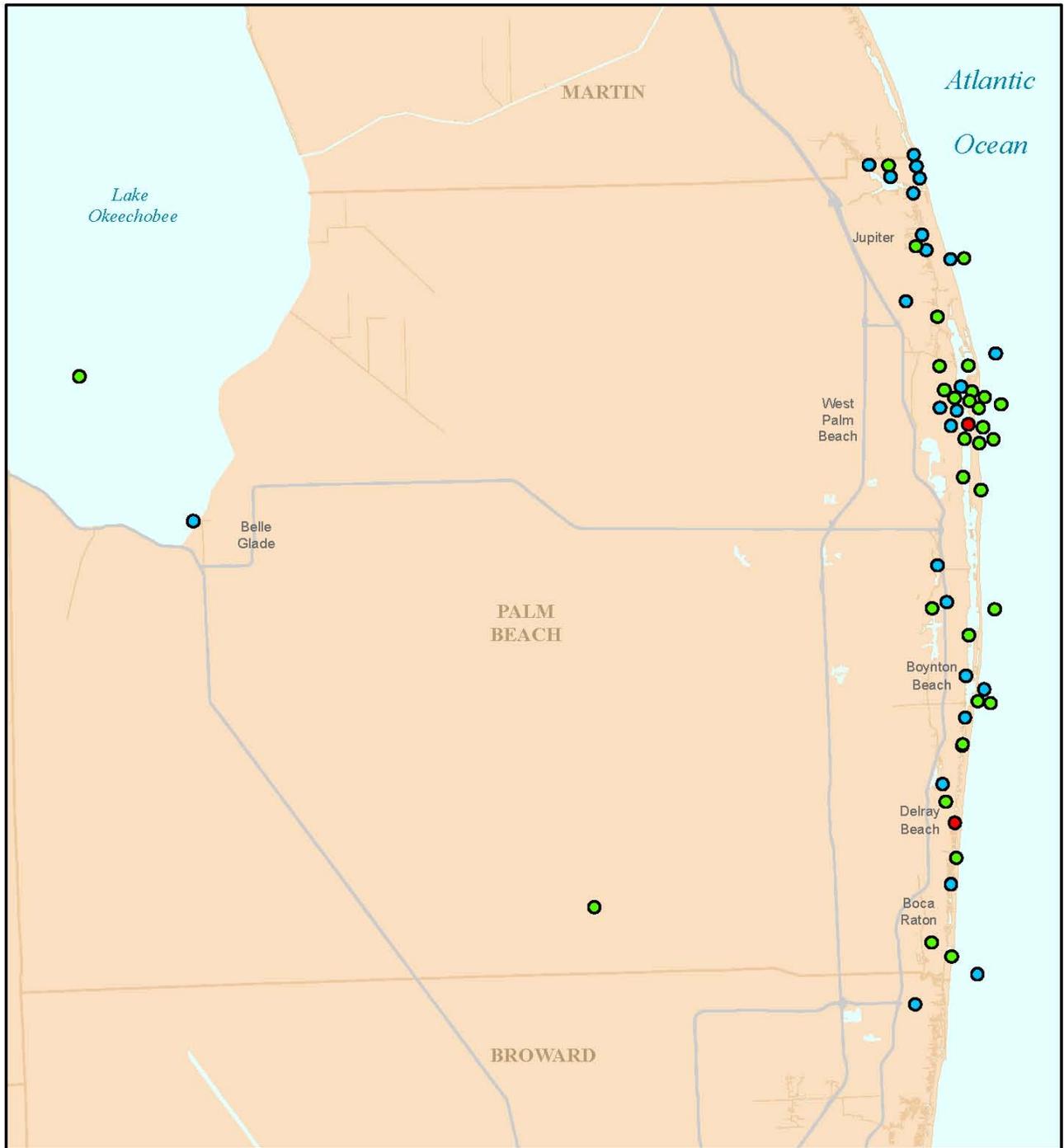


PRIMARY CAUSE OF ACCIDENT



PRIMARY TYPE OF ACCIDENT

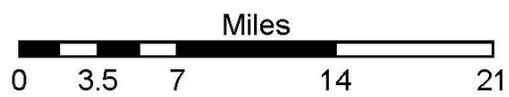




Known Locations of Accidents in Palm Beach County during 2011

**Legend**

- Fatal Accident (2)
- Accident with Injury (25)
- Accident without Injury (31)

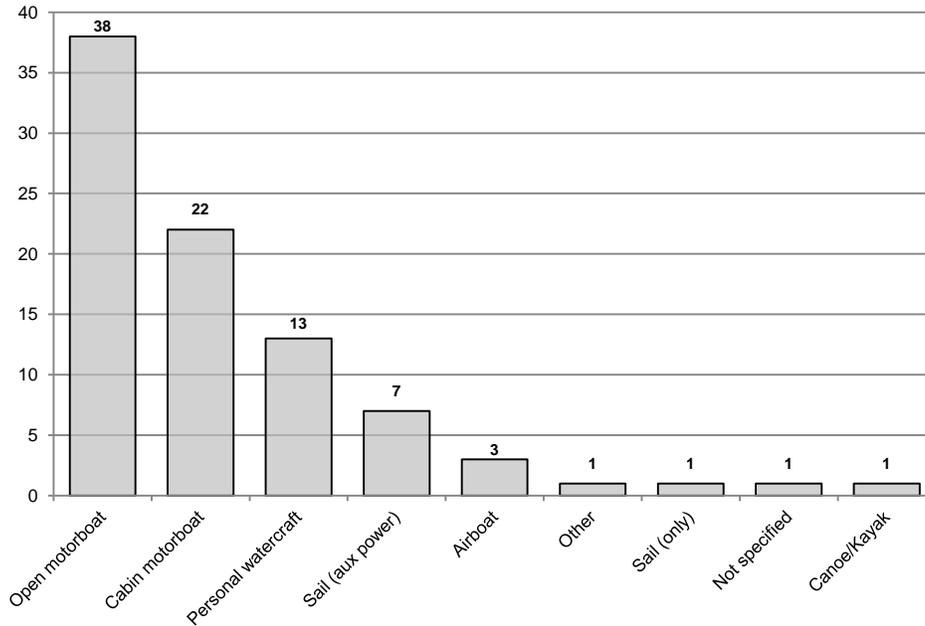


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FWC DLE GIS

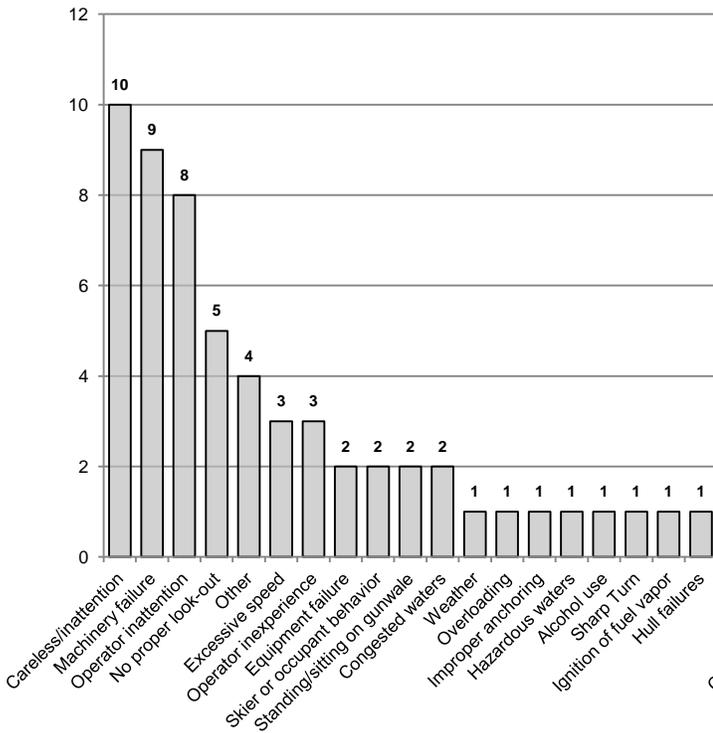


### 3. PALM BEACH COUNTY

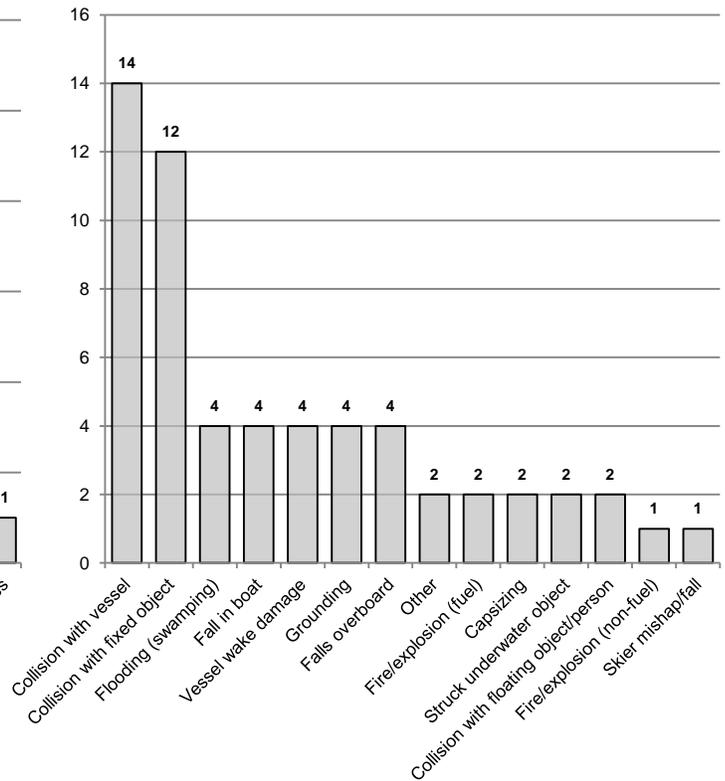
TYPE OF VESSEL

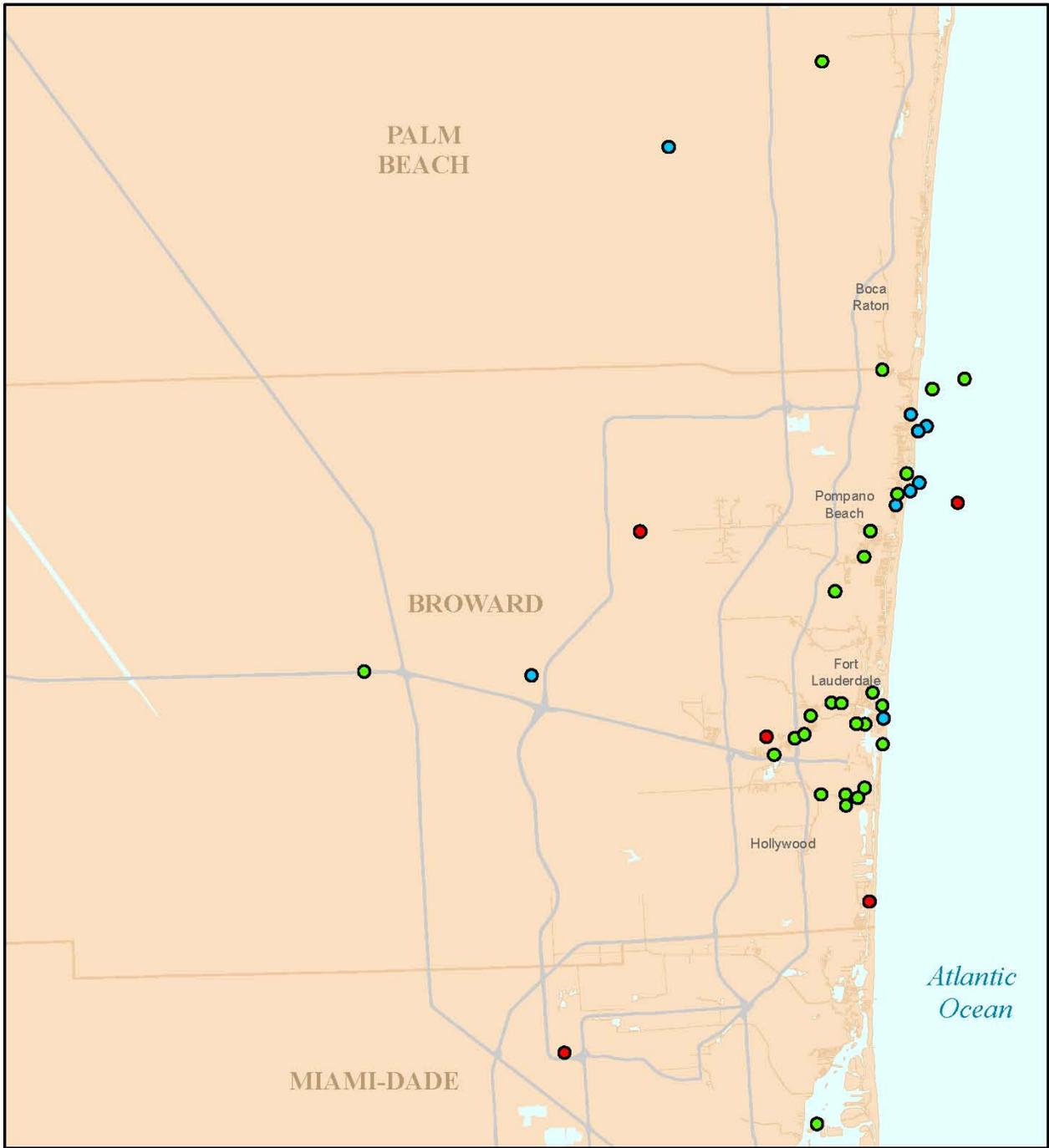


PRIMARY CAUSE OF ACCIDENT



PRIMARY TYPE OF ACCIDENT





Known Locations of Accidents in Broward County during 2011

**Legend**

- Fatal Accident (5)
- Accident with Injury (9)
- Accident without Injury (27)

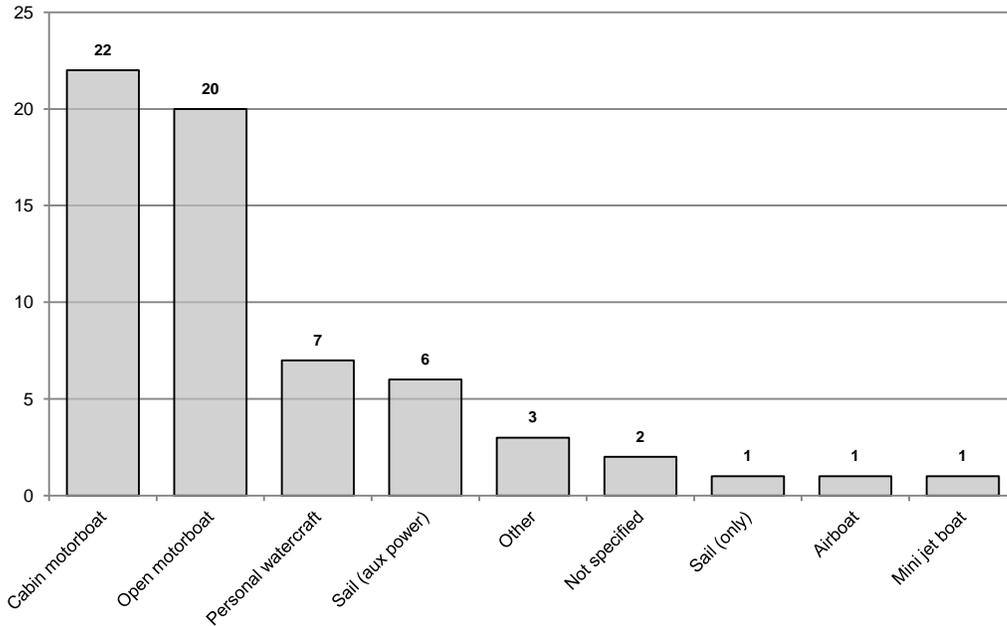


Map document  
created by  
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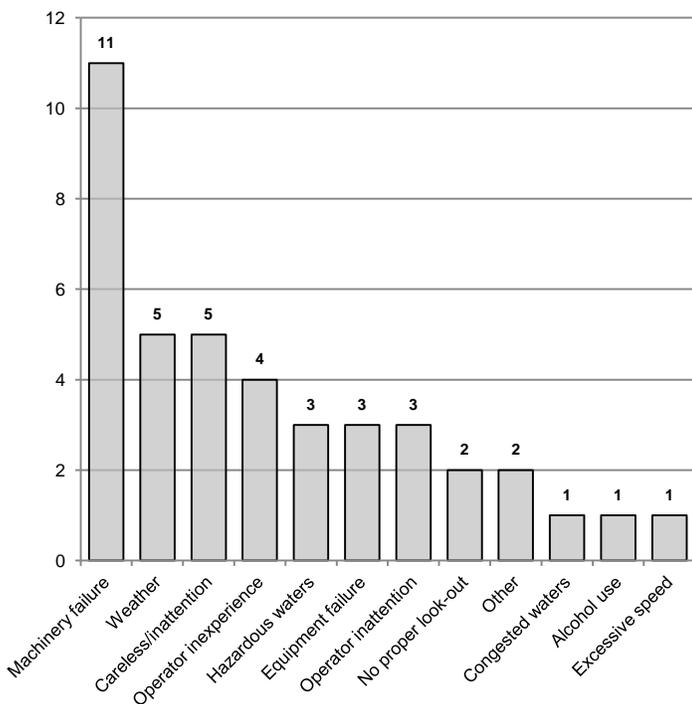


## 4. BROWARD COUNTY

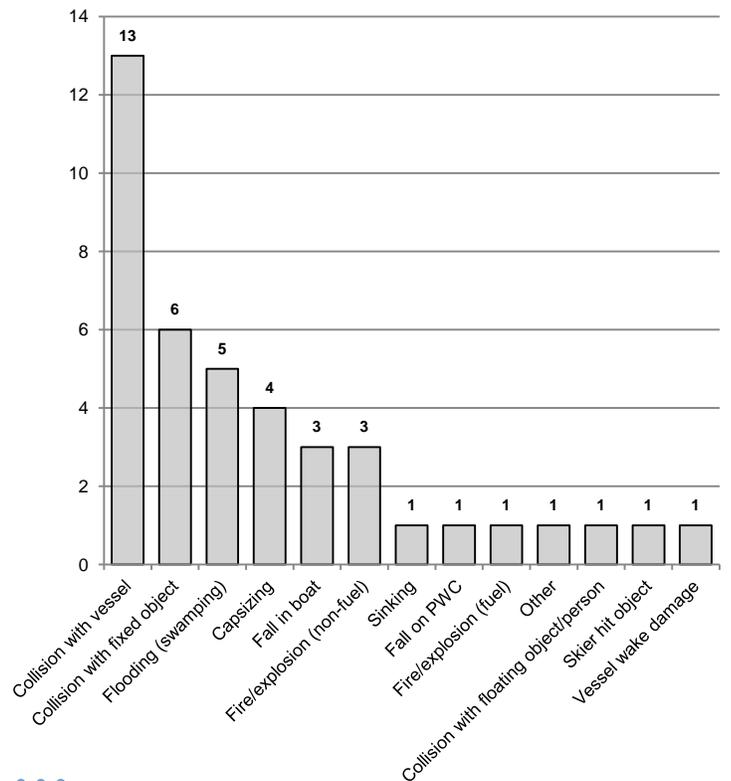
### TYPE OF VESSEL

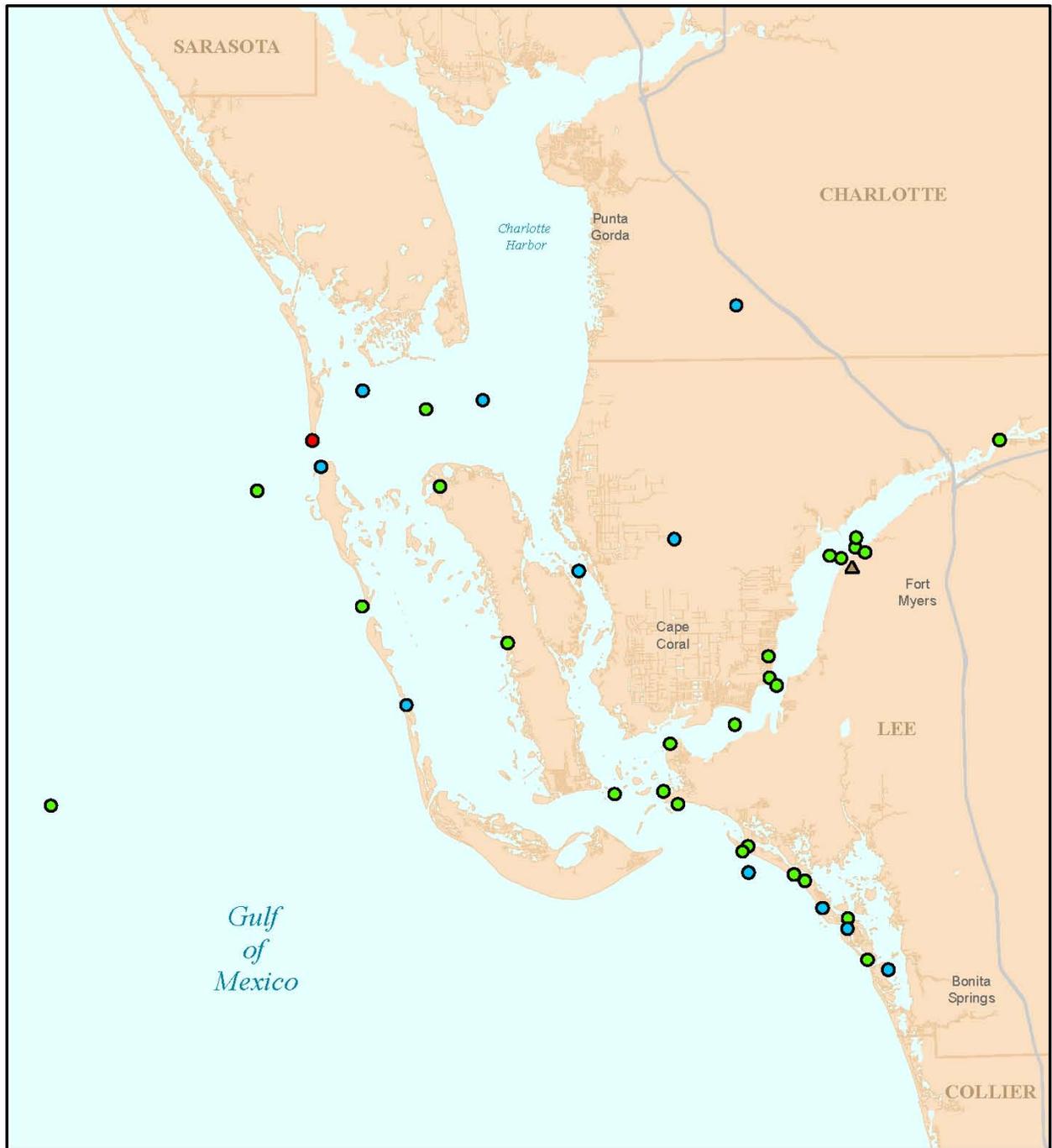


### PRIMARY CAUSE OF ACCIDENT



### PRIMARY TYPE OF ACCIDENT





Known Locations of Accidents in Lee County during 2011

**Legend**

- Fatal Accident (1)
- Accident with Injury (11)
- Accident without Injury (26)

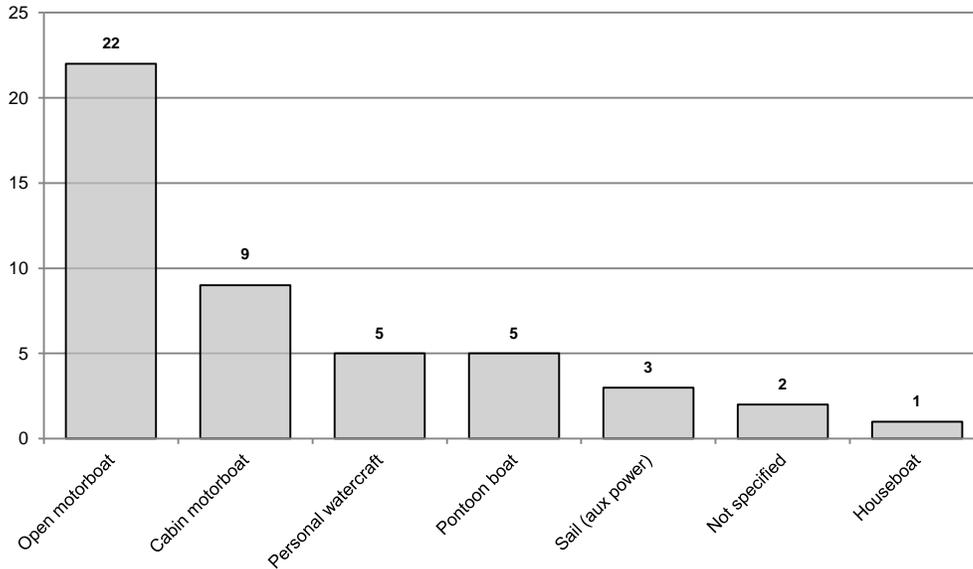


Map document  
created by  
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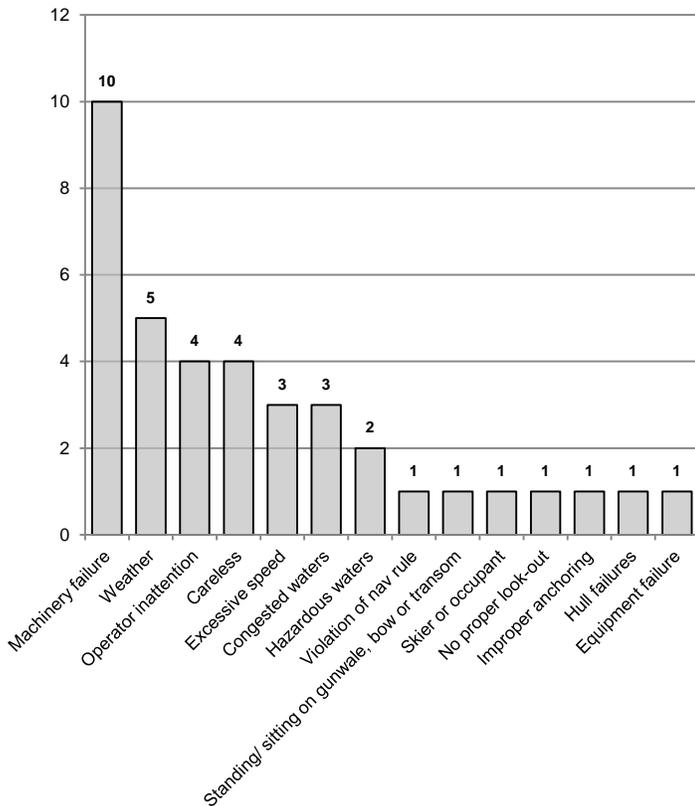


## 5. LEE COUNTY

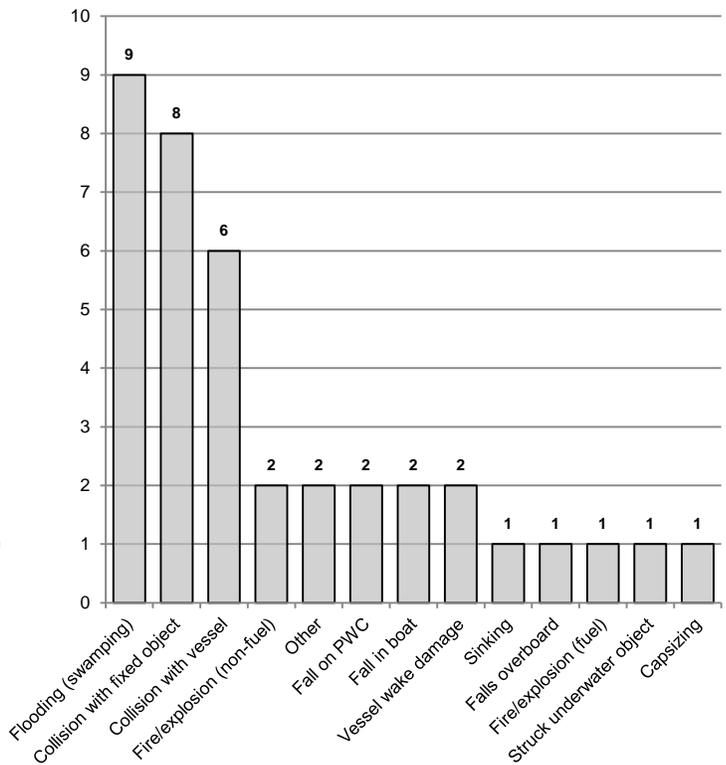
### TYPE OF VESSEL

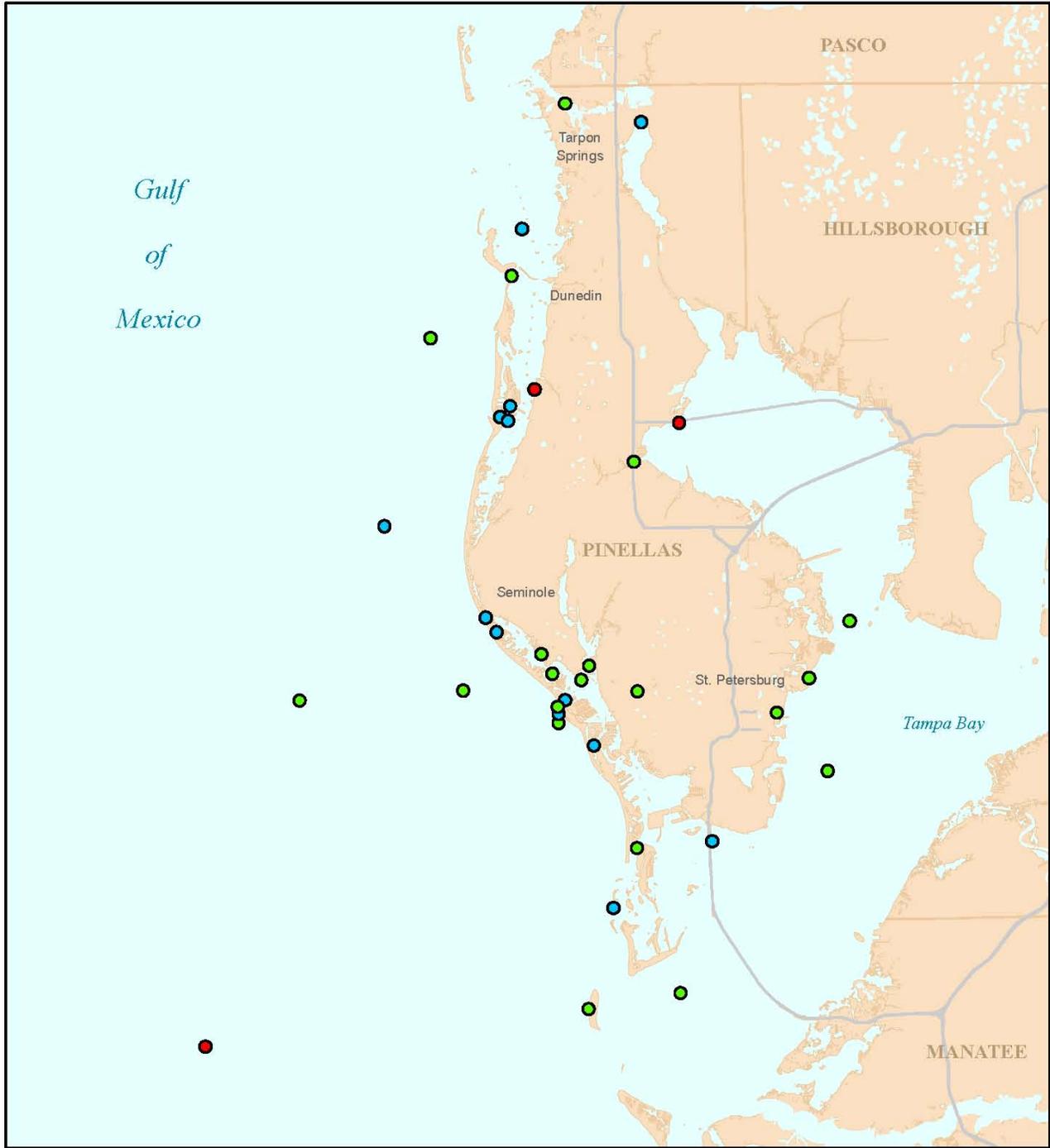


### PRIMARY CAUSE OF ACCIDENT



### PRIMARY TYPE OF ACCIDENT





Known Locations of Accidents in Pinellas County during 2011

**Legend**

- Fatal Accident (3)
- Accident with Injury (13)
- Accident without Injury (20)

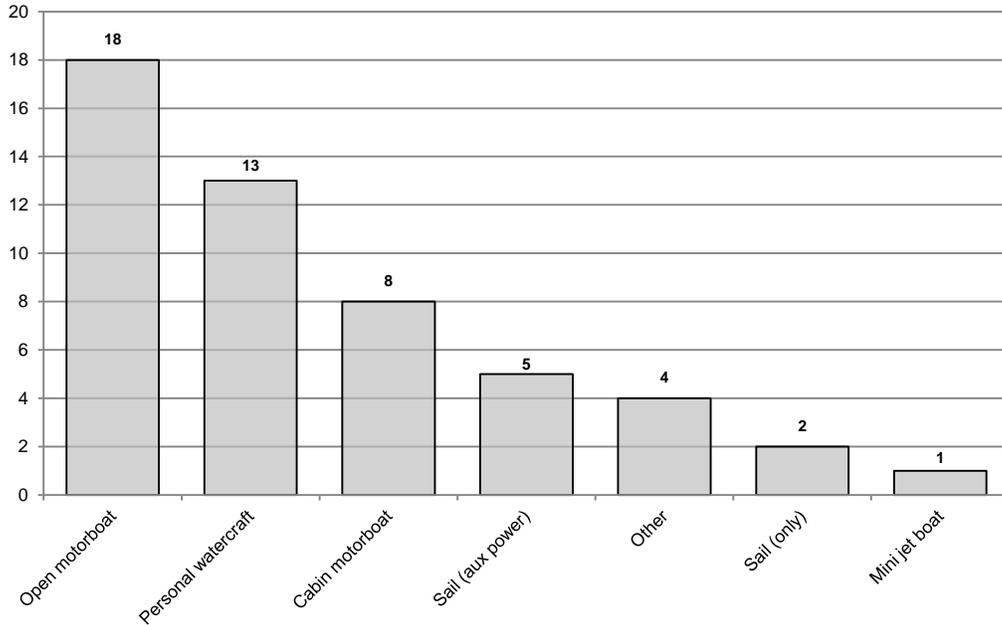


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created by  
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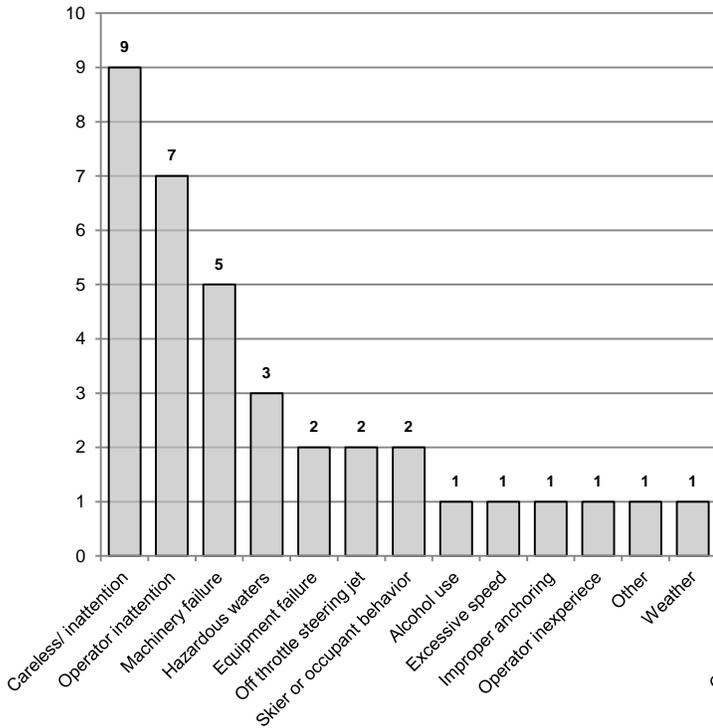


## 6. PINELLAS COUNTY

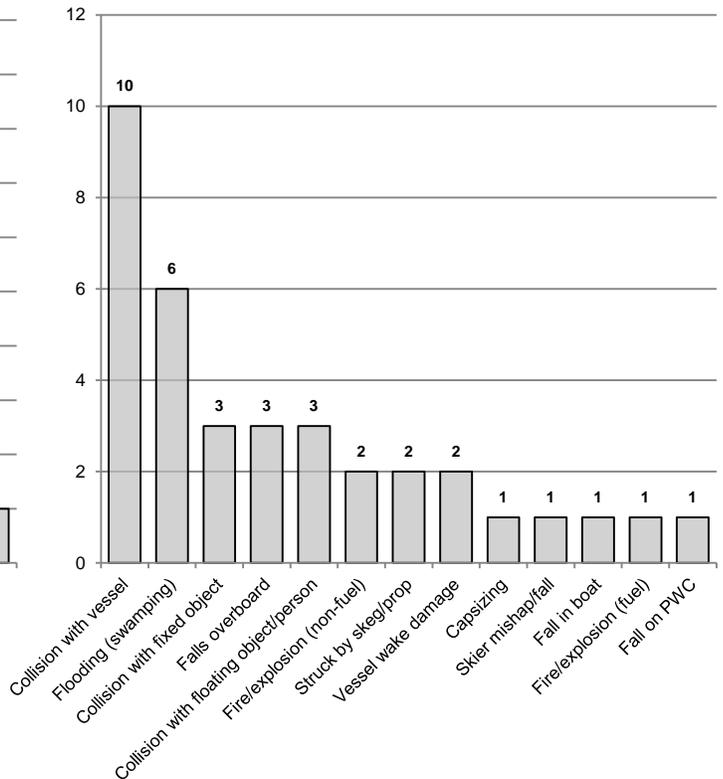
### TYPE OF VESSEL

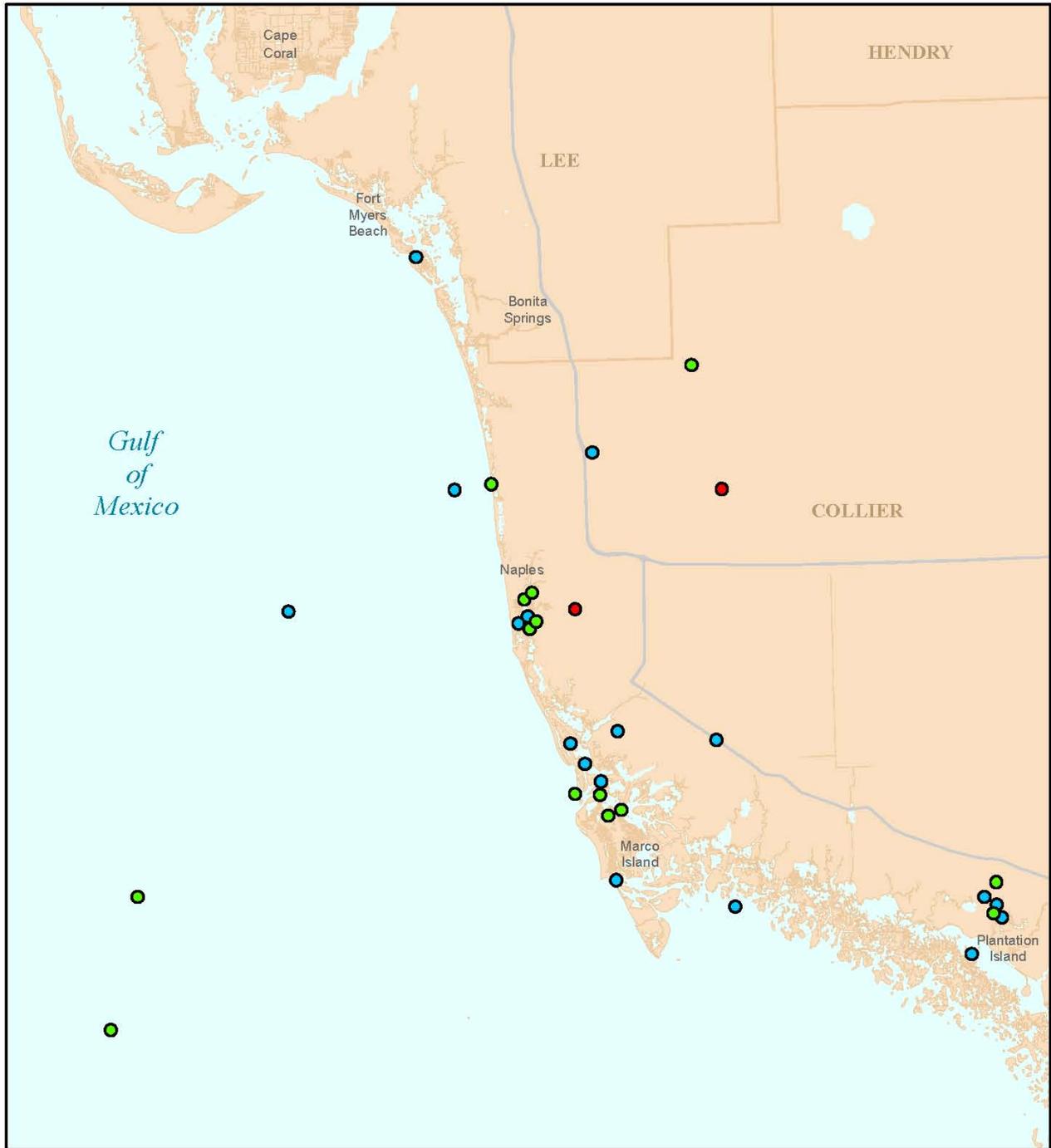


### PRIMARY CAUSE OF ACCIDENT



### PRIMARY TYPE OF ACCIDENT





Known Locations of Accidents in Collier County during 2011

**Legend**

- Fatal Accident (2)
- Accident with Injury (17)
- Accident without Injury (15)

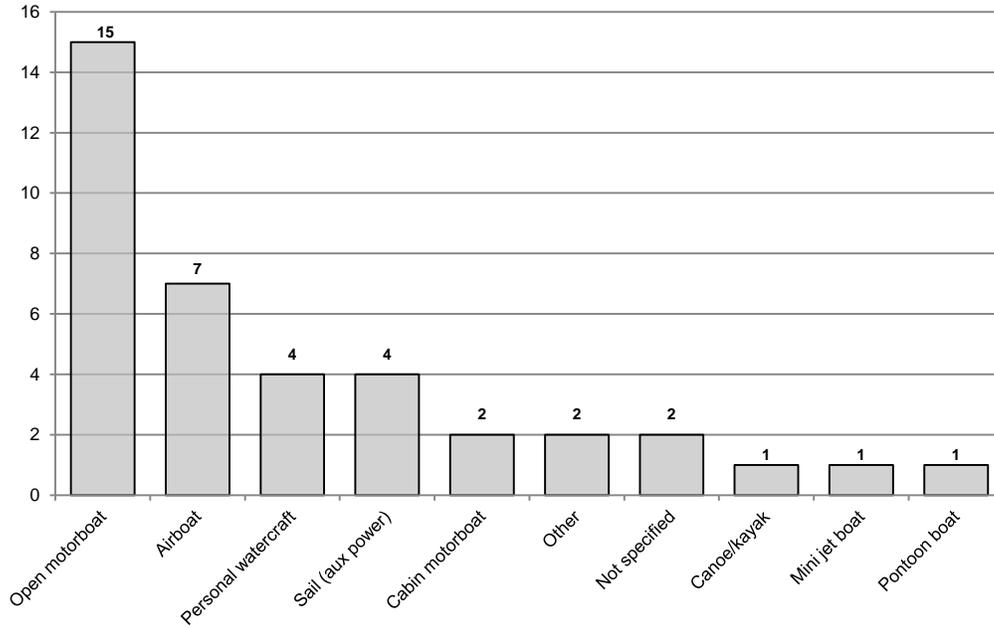


Map document  
created by  
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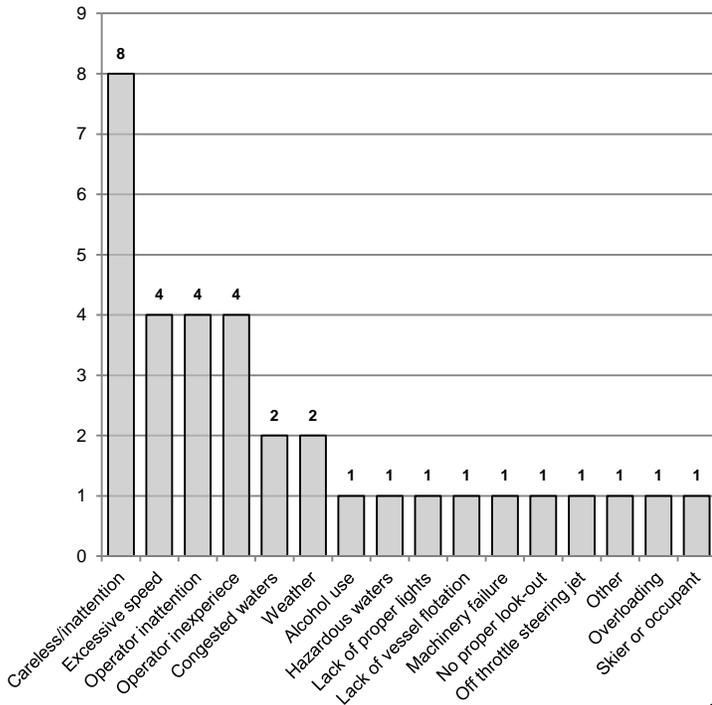


## 7. COLLIER COUNTY

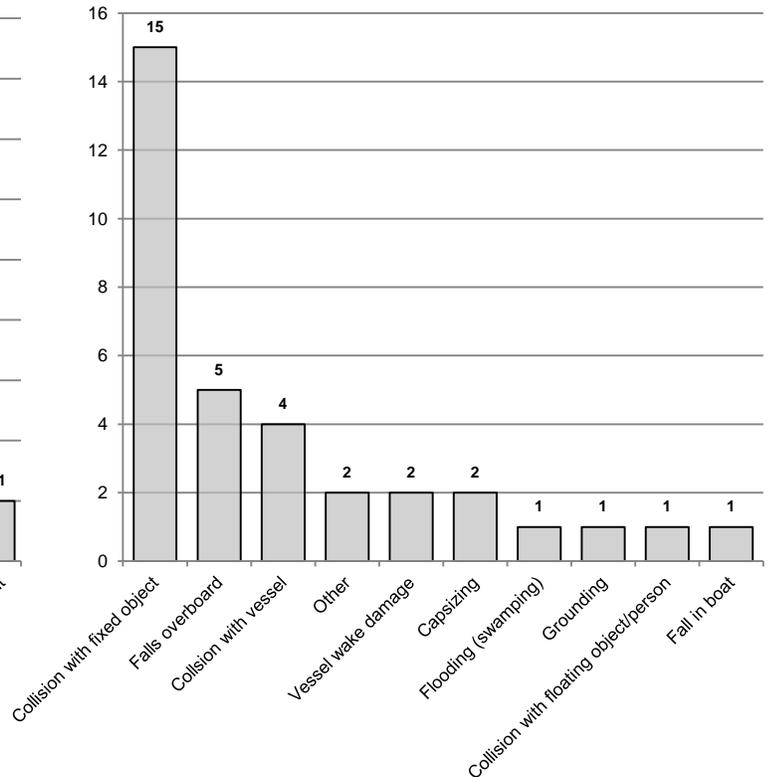
### TYPE OF VESSEL

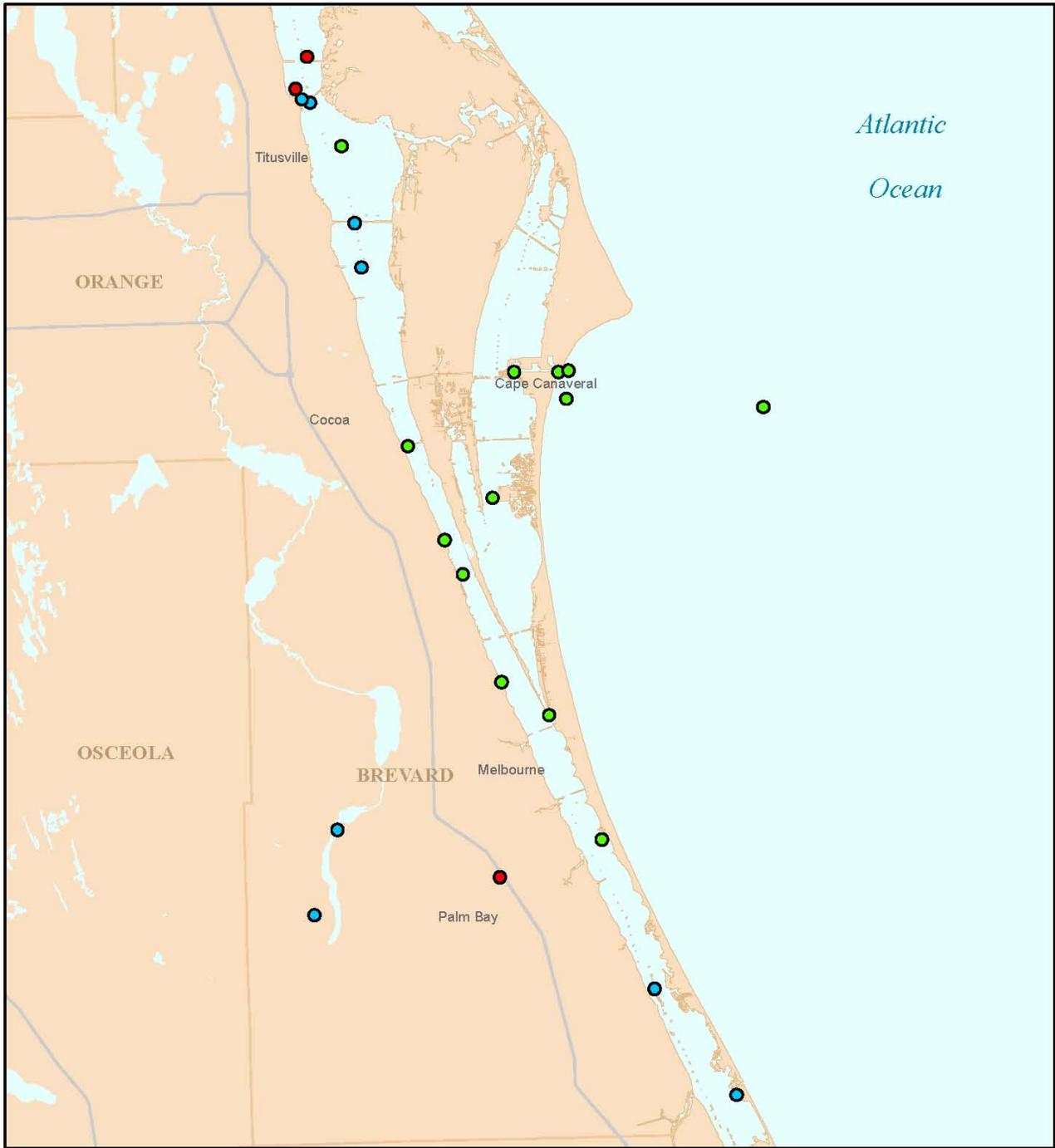


### PRIMARY CAUSE OF ACCIDENT



### PRIMARY TYPE OF ACCIDENT





Known Locations of Accidents in Brevard County during 2011

**Legend**

- Fatal Accident (3)
- Accident with Injury (8)
- Accident without Injury (14)

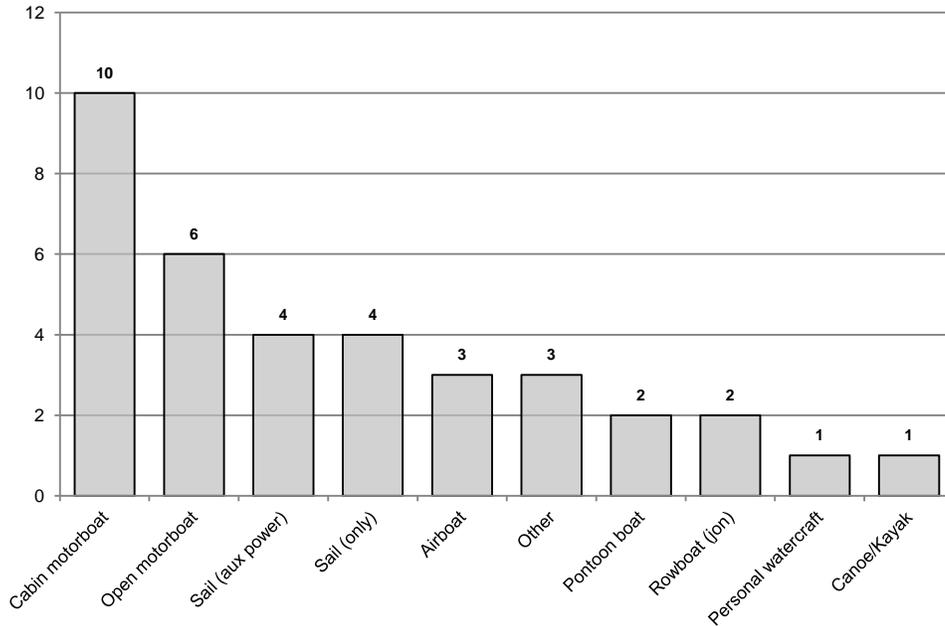


Map document  
created by  
FWC DLE GIS

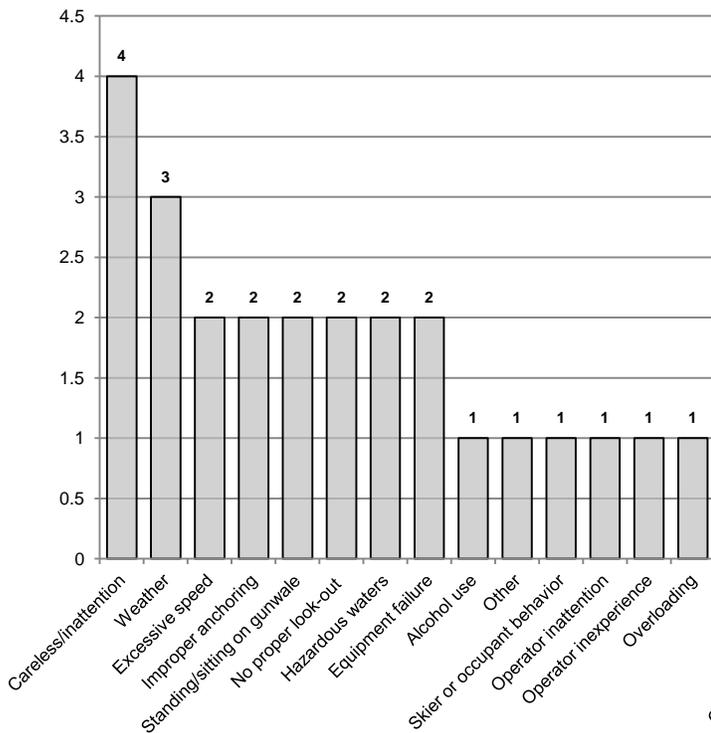


## 8. BREVARD COUNTY

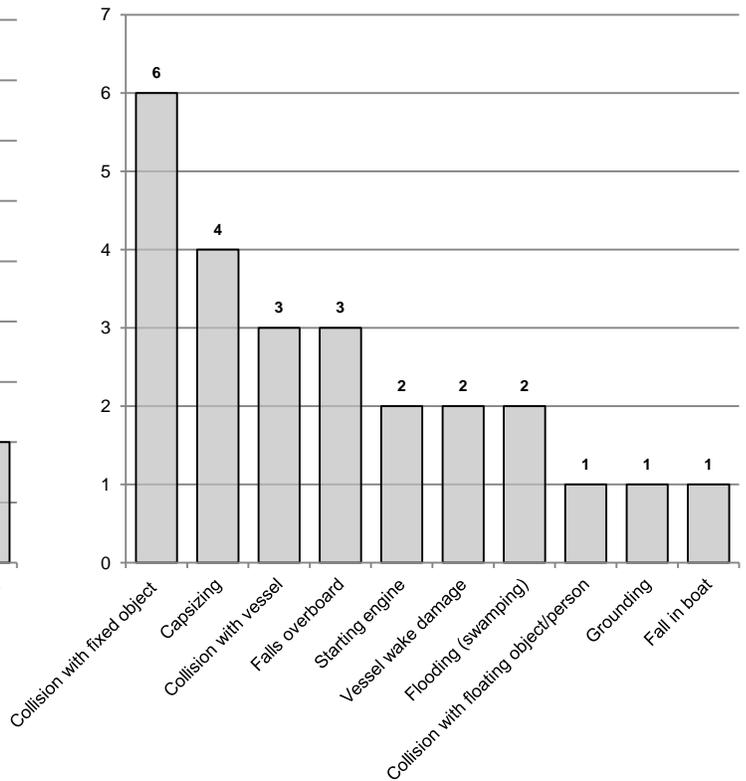
### TYPE OF VESSEL

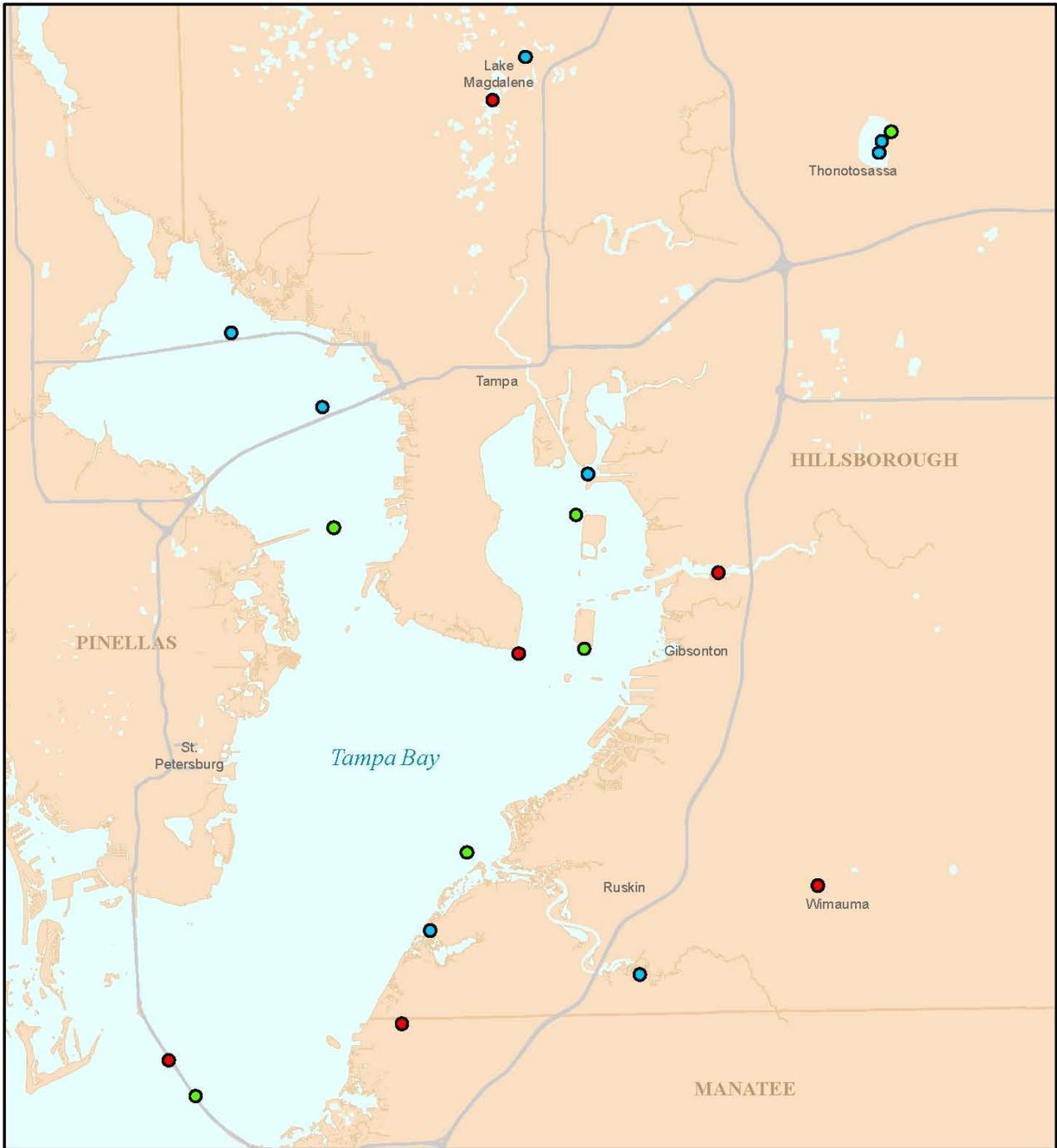


### PRIMARY CAUSE OF ACCIDENT



### PRIMARY TYPE OF ACCIDENT





Known Locations of Accidents in Hillsborough County during 2011

**Legend**

- Fatal Accident (6)
- Accident with Injury (8)
- Accident without Injury (6)

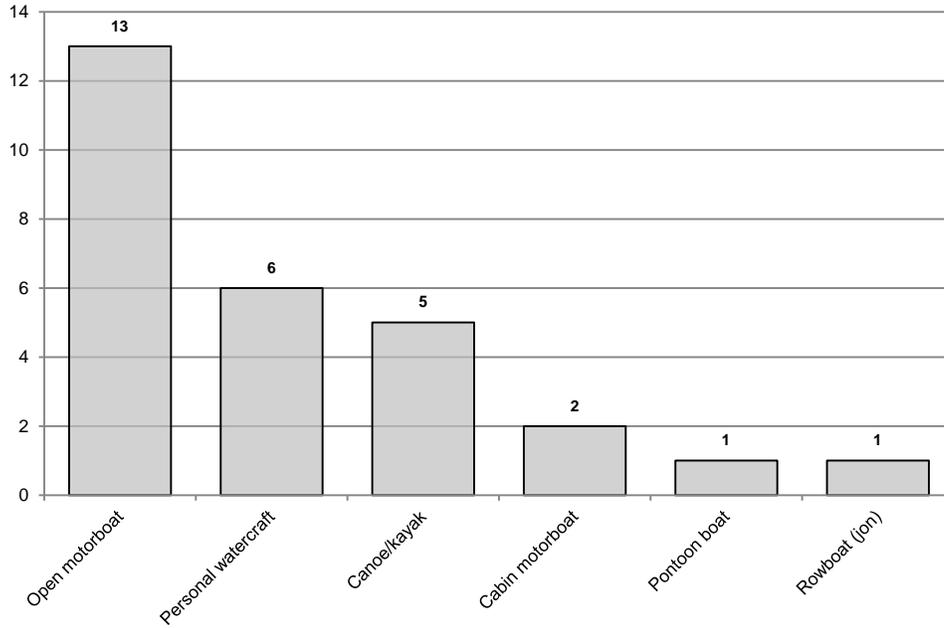


Map document  
created by  
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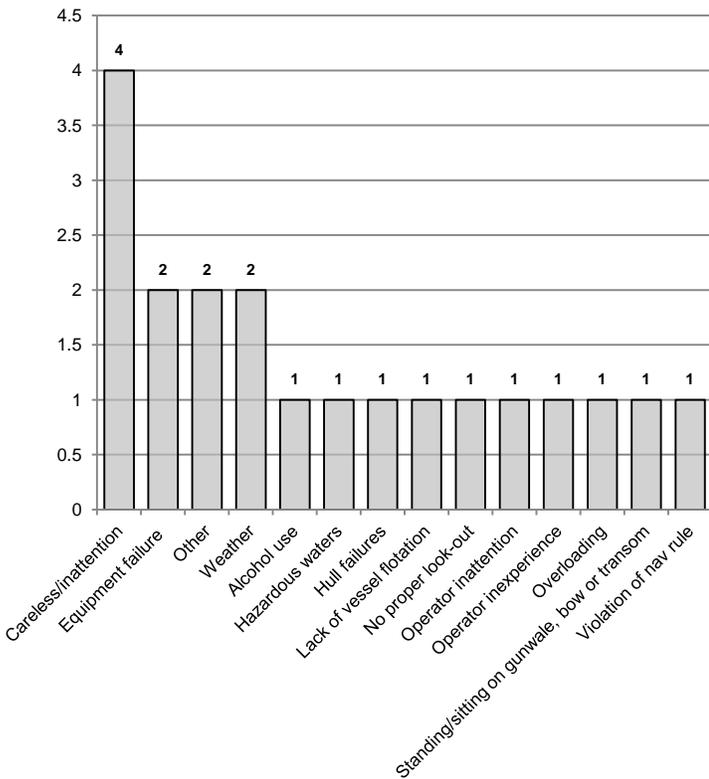


## 9. HILLSBOROUGH COUNTY

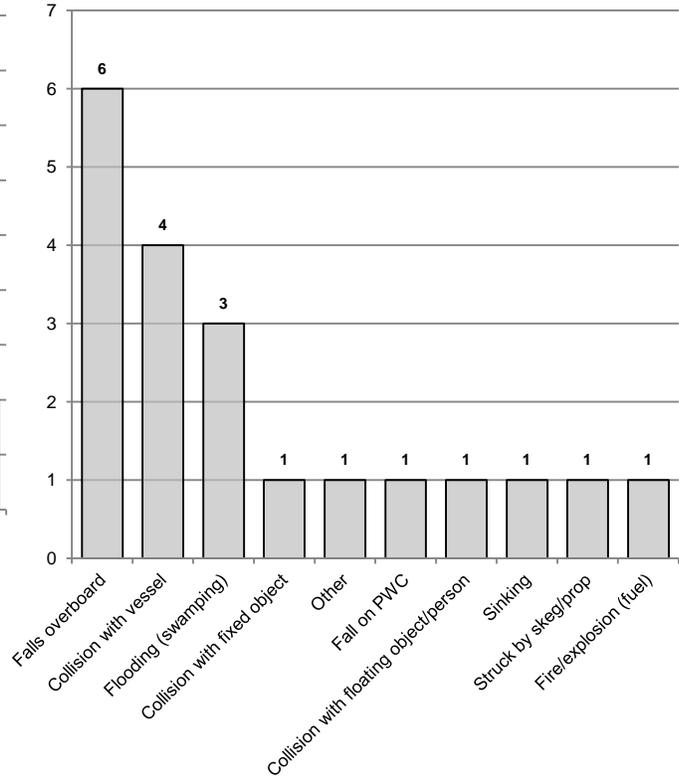
TYPE OF VESSEL

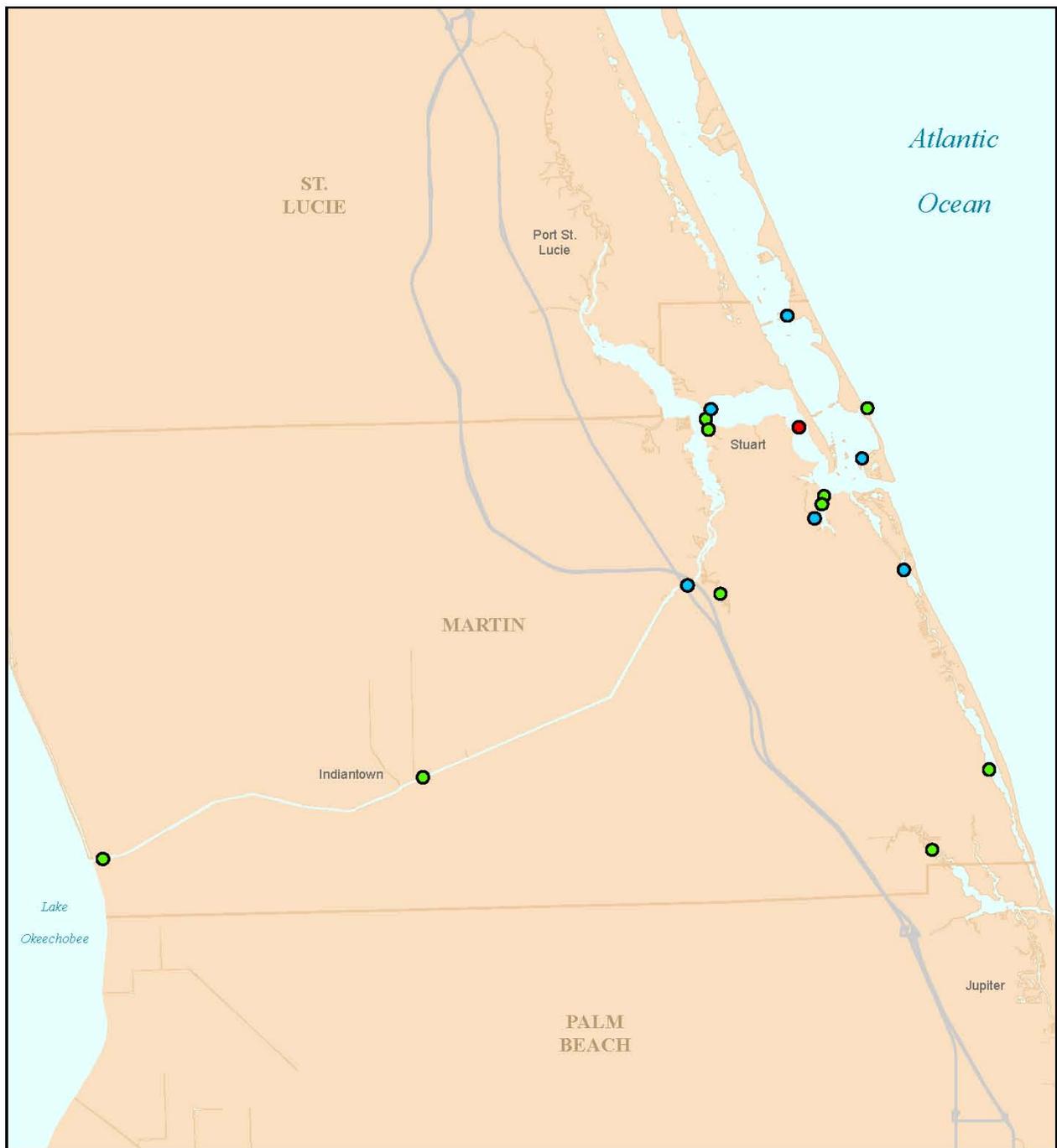


PRIMARY CAUSE OF ACCIDENT



PRIMARY TYPE OF ACCIDENT





Known Locations of Accidents in Martin County during 2011

**Legend**

- Fatal Accident (1)
- Accident with Injury (7)
- Accident without Injury (12)

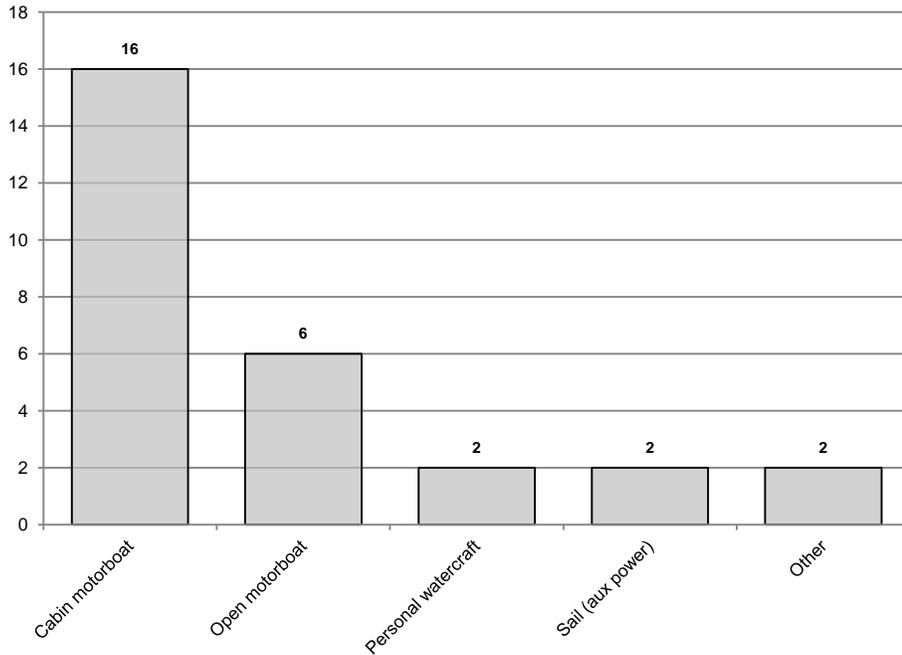


Map document  
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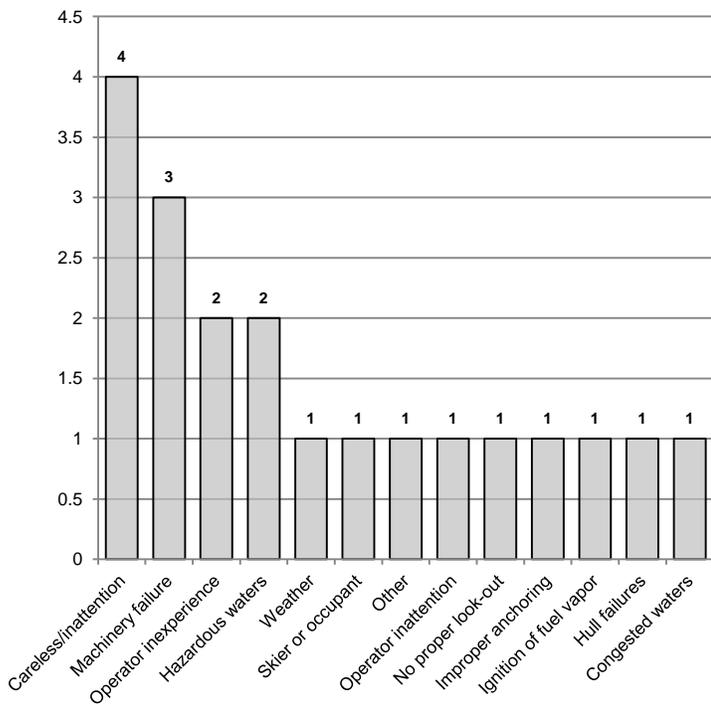


## 10. MARTIN COUNTY

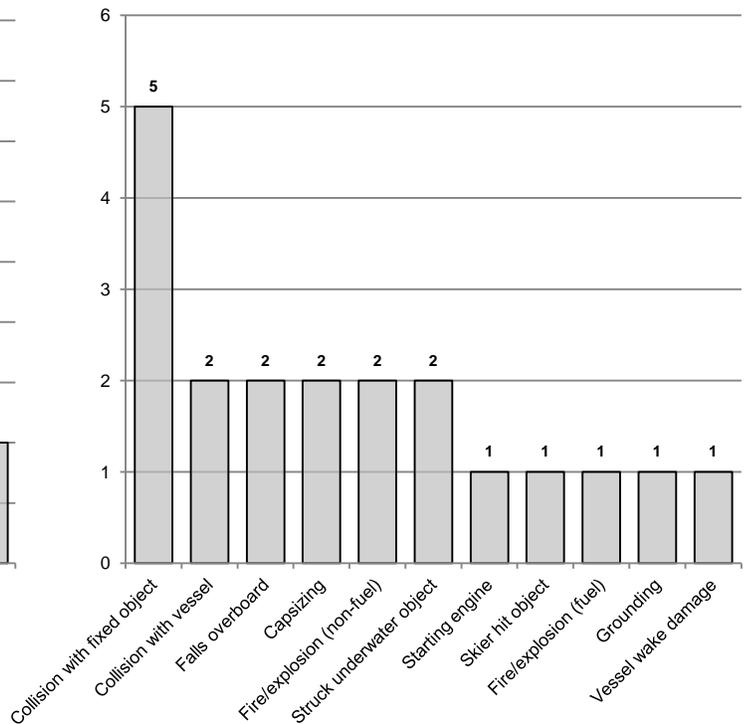
### TYPE OF VESSEL



### PRIMARY CAUSE OF ACCIDENT



### PRIMARY TYPE OF ACCIDENT



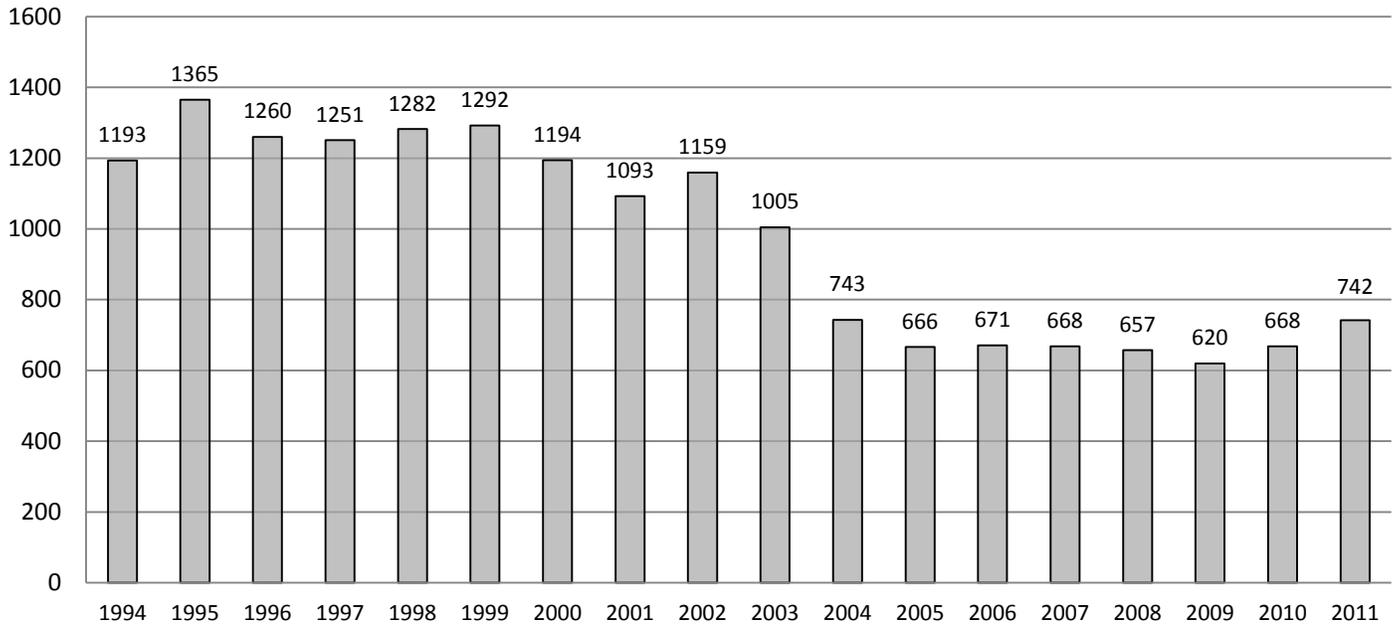


**2011 TREND ANALYSIS**  
**FLORIDA FISH AND WILDLIFE  
CONSERVATION COMMISSION  
DIVISION OF LAW ENFORCEMENT**



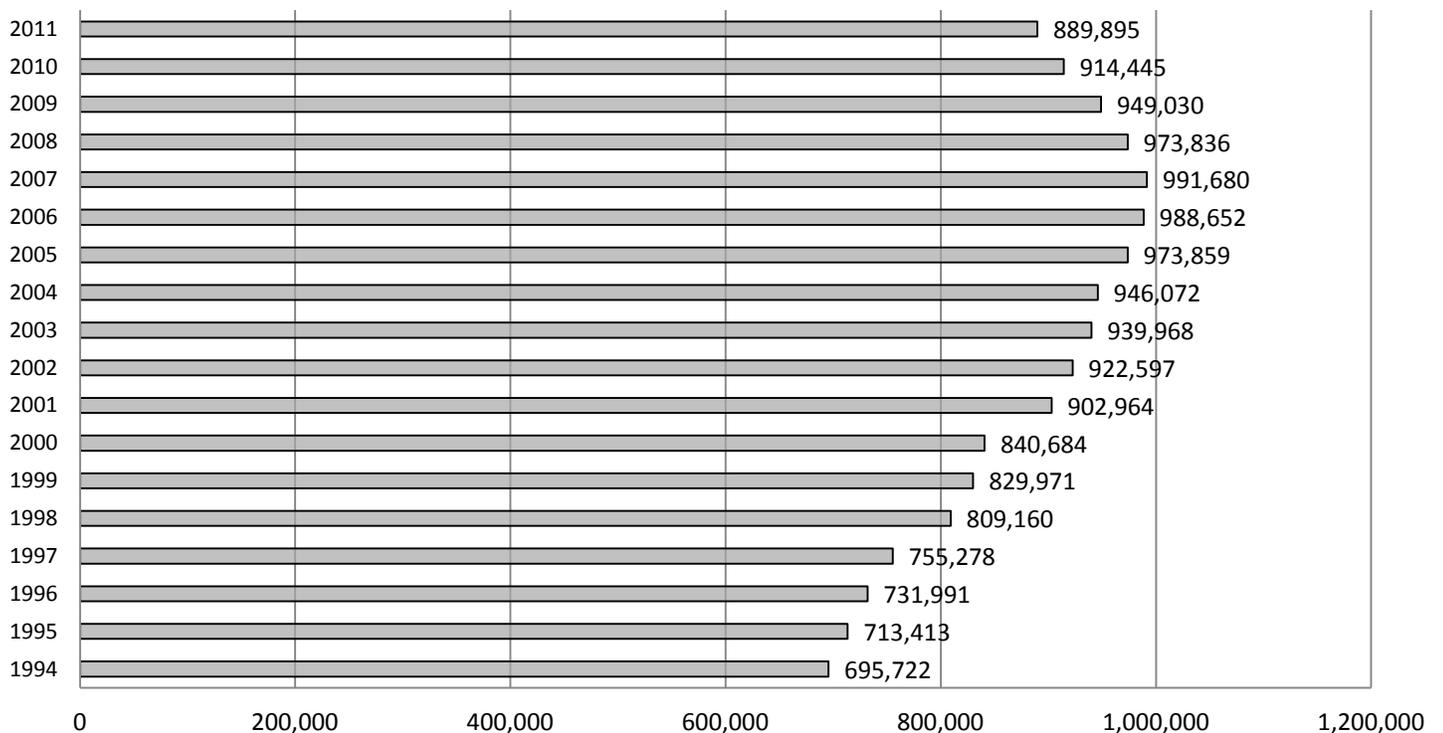
## 2011 REPORTABLE BOATING ACCIDENTS TREND ANALYSIS

### REPORTABLE ACCIDENTS 1994-2011



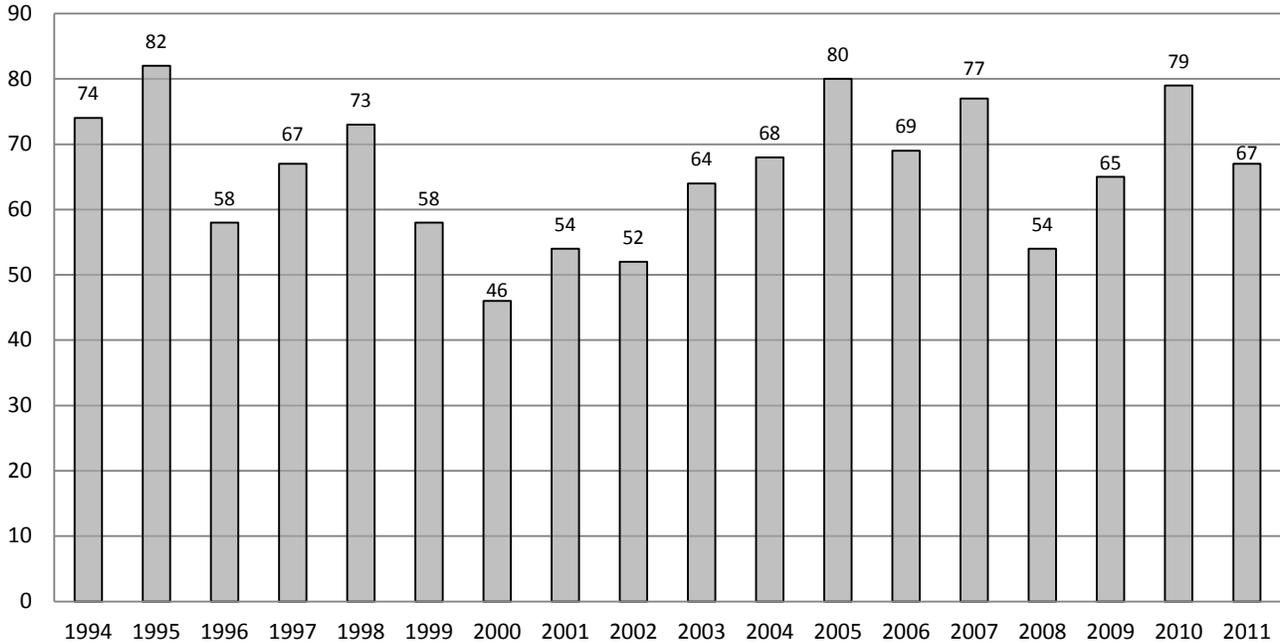
\*Beginning in 2004 the reportable criteria was changed from \$500 to \$2000 resulting in a significant drop in the number of accidents.

### RECREATIONAL VESSEL REGISTRATION 1994-2011

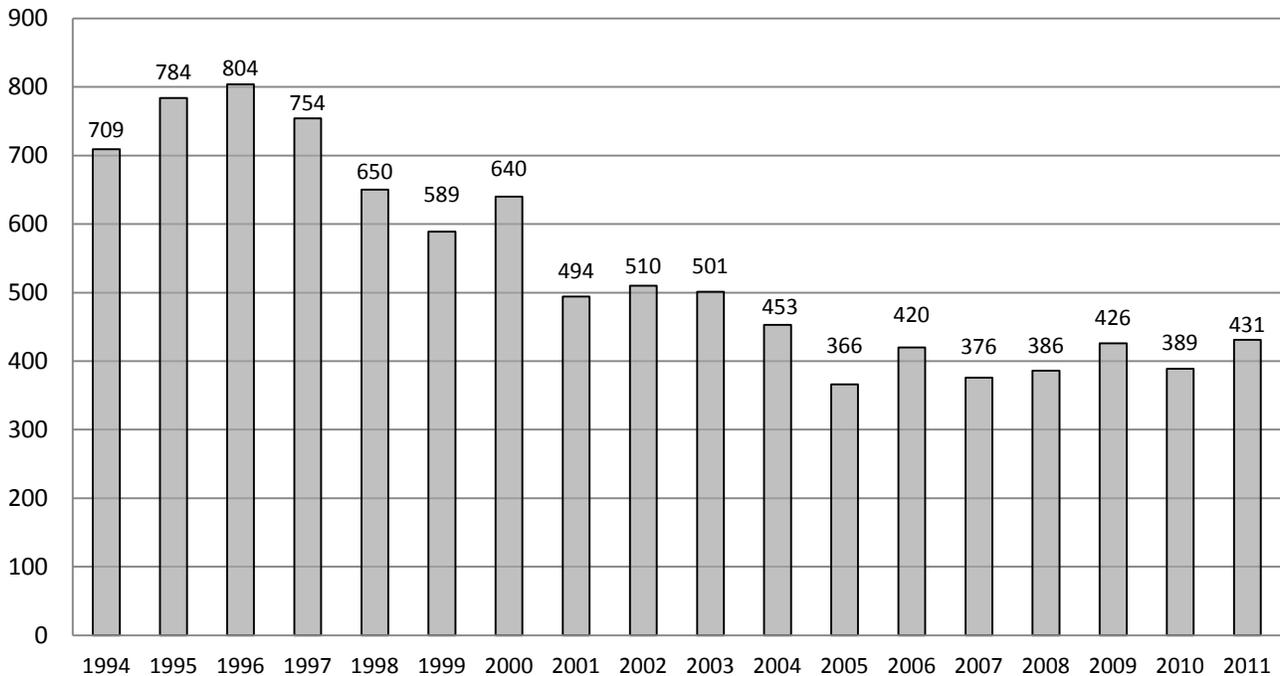


## 2011 REPORTABLE BOATING ACCIDENTS TREND ANALYSIS

### FATALITIES 1994-2011

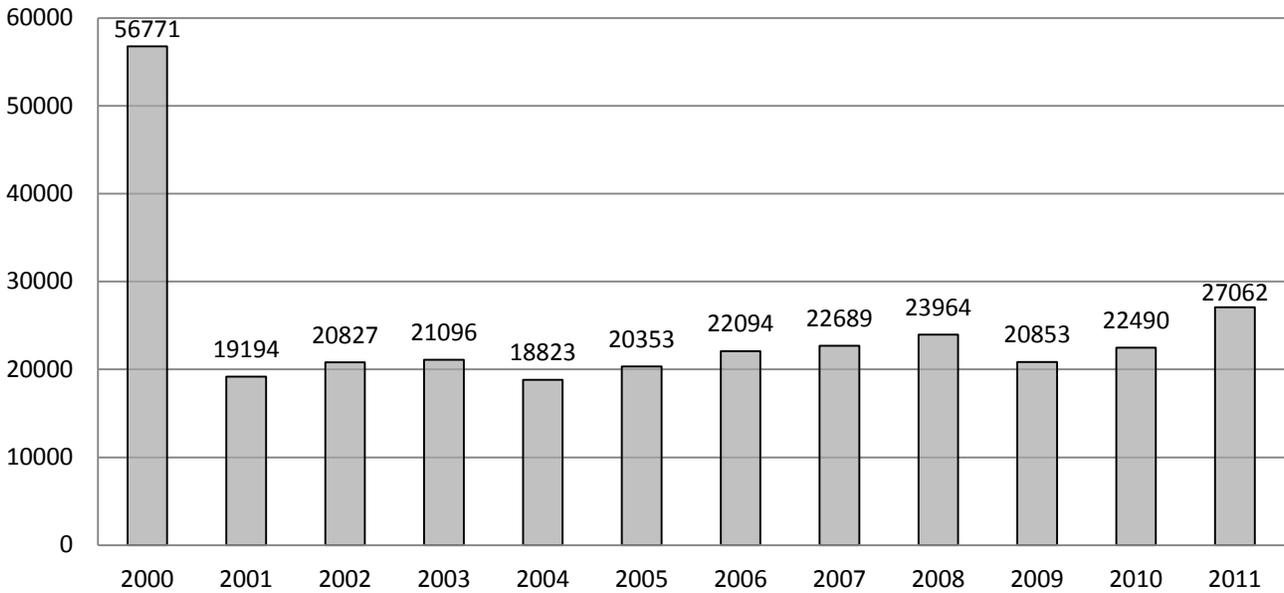


### INJURIES 1994-2011

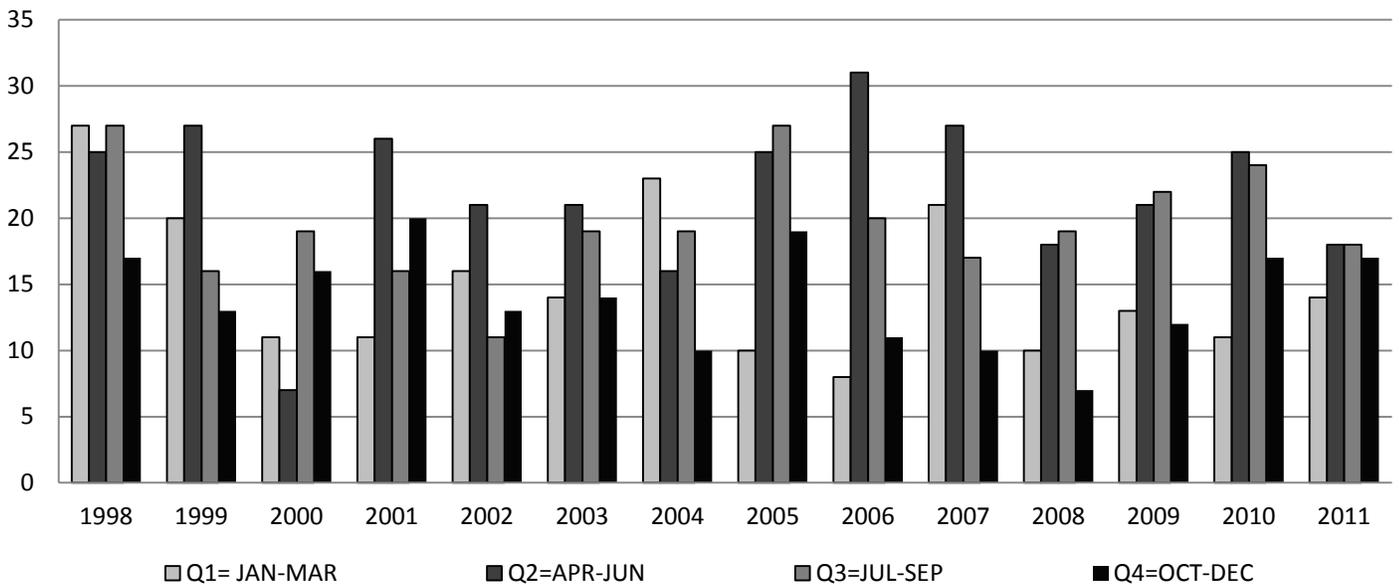


## 2011 REPORTABLE BOATING ACCIDENTS TREND ANALYSIS

### BOATING SAFETY EDUCATION I.D. CARDS ISSUED 2000-2011

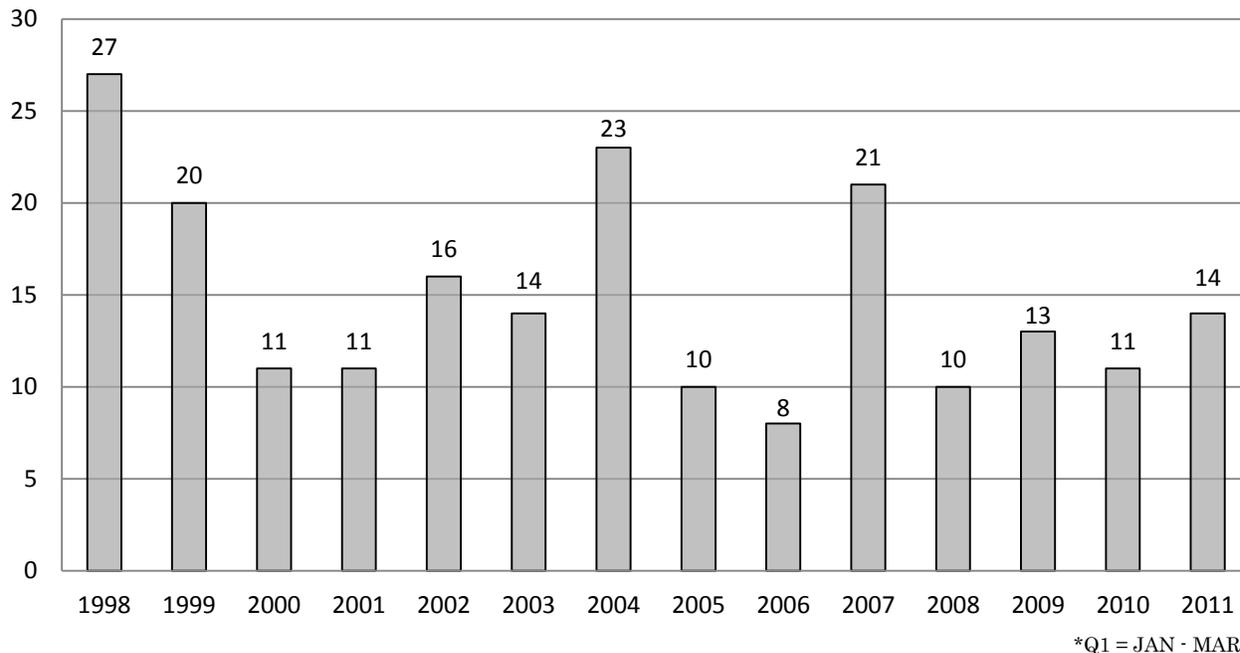


### FATALITIES BY QUARTER 1998-2011

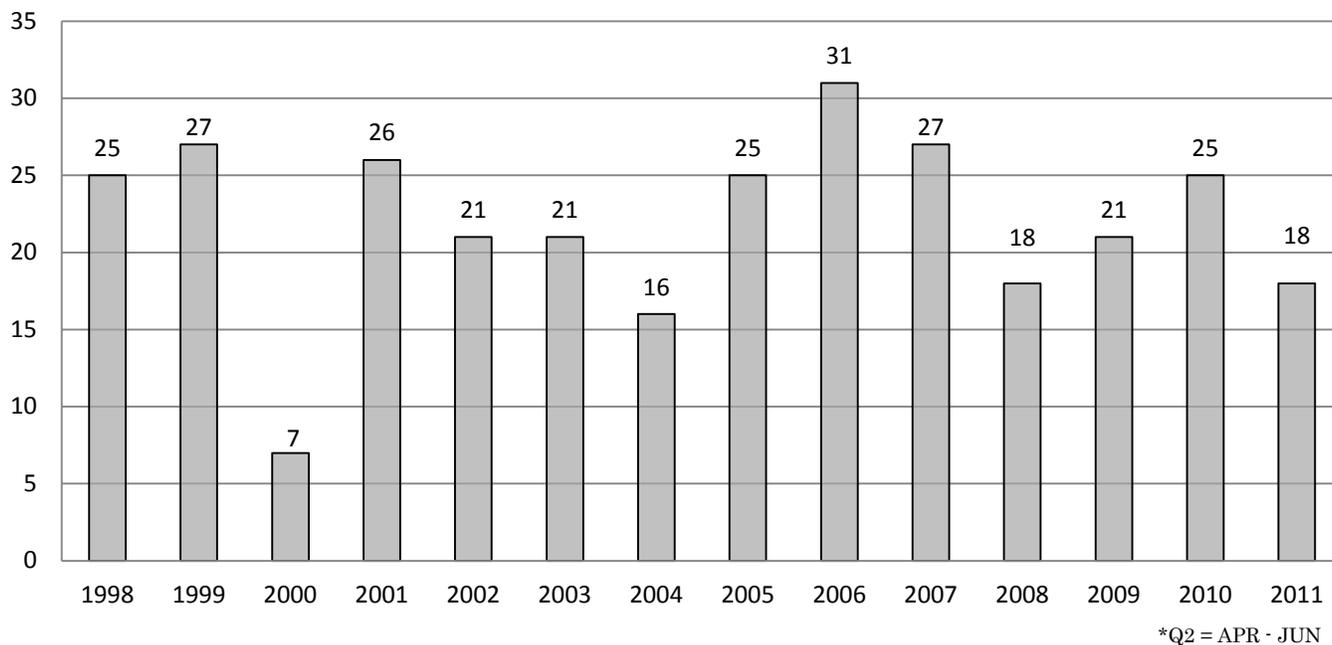


# 2011 REPORTABLE BOATING ACCIDENTS TREND ANALYSIS

## QUARTER 1 FATALITIES

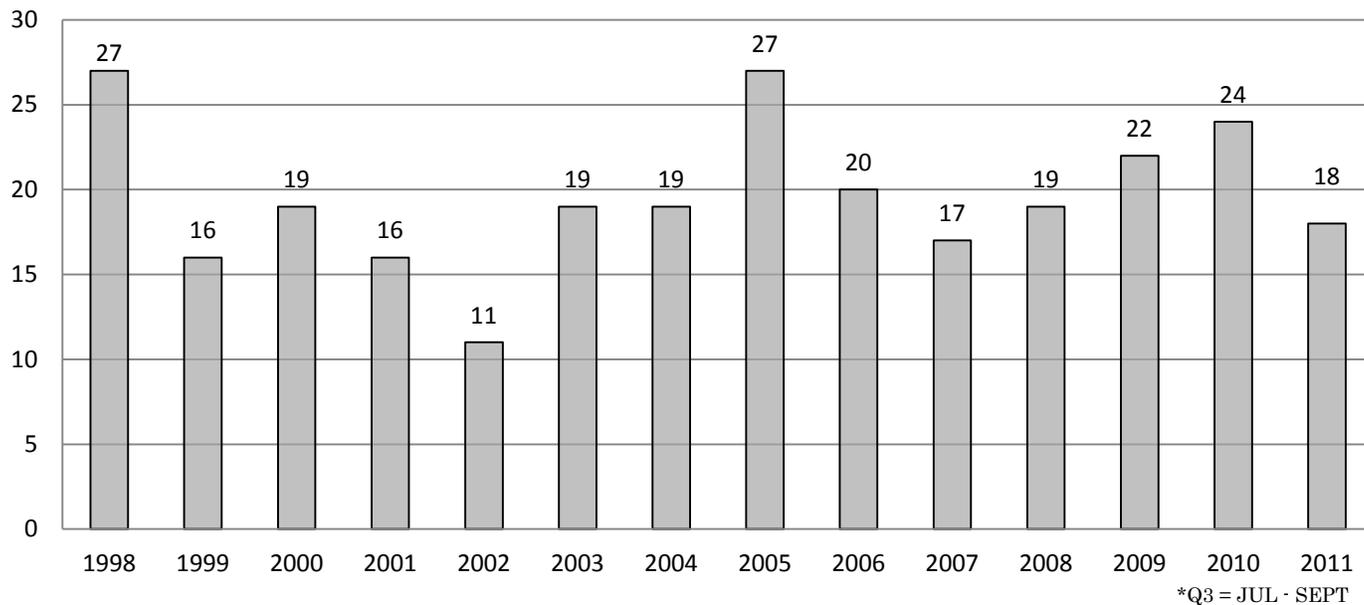


## QUARTER 2 FATALITIES

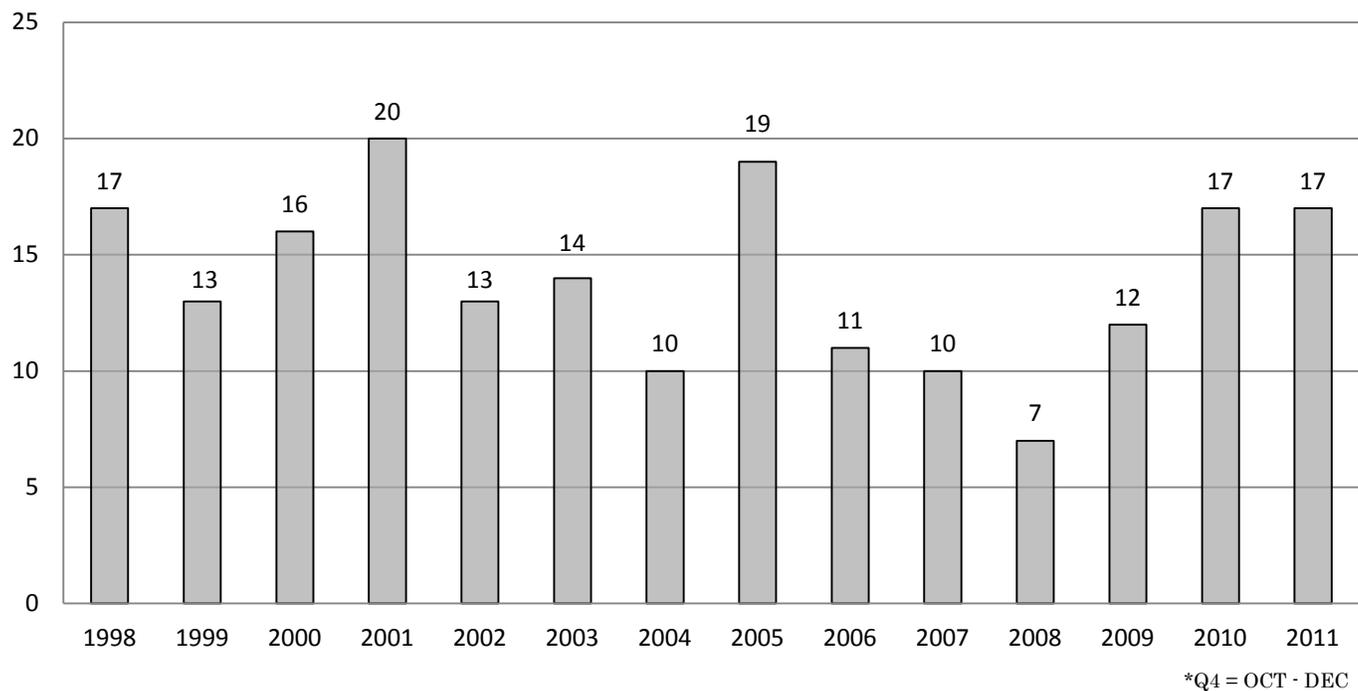


# 2011 REPORTABLE BOATING ACCIDENTS TREND ANALYSIS

## QUARTER 3 FATALITIES



## QUARTER 4 FATALITIES

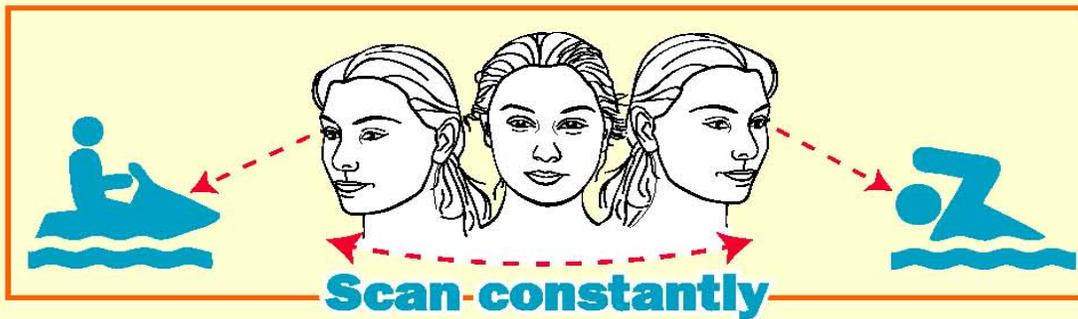


# IMPORTANT

## boating safety messages to remember

### Always know what's going on around your boat.

Most boating accidents involve collisions.  
Staying alert is critical!



### Develop a "Life Jacket Habit."

Most people who die in boating accidents drown. Try out an inflatable life jacket and, most of all, wear it!



### Alcohol use is a leading cause of boating deaths.

Alcohol and boating really don't mix, so save it for later. When you drink, you don't think!

From your friends at the Florida Fish and Wildlife Conservation Commission





**FLORIDA FISH AND  
WILDLIFE CONSERVATION  
COMMISSION**  
620 S Meridian St.  
Tallahassee, FL  
32399



FWC reminds you that the best way to avoid becoming a boating statistic is to pay attention and wear a life jacket.

