



Florida Fish and Wildlife
Conservation Commission
Division of Law Enforcement



2008 Boating Accidents

STATISTICAL REPORT



Last Call

On November 18, 2009, Florida Fish and Wildlife Conservation Commission lost one of their own. Lieutenant Joseph Andrew Martyna, 54, died of a heart attack at his home, just a short time after being involved in a search and rescue mission. Joe was popular and well respected throughout the law enforcement community and the public. Lieutenant Martyna worked as a pilot for the Leon County Sheriff's Office for 10 years prior to becoming a pilot with the Florida Marine Patrol (FWC predecessor) in 1987. In 1999, he was promoted to Lieutenant in the FWC's Aviation Section – South Region. Lieutenant Martyna loved his job and was available anytime, day or night. Joe will be greatly missed by all who knew and worked with him.

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 their unique and specialized public safety role. Our 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 off-shore 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.

Yet, in the course of carrying out these broad responsibilities, FWC officers take every opportunity to educate and introduce even the youngest Floridians to the wonders of our state’s wildlife and natural resources and 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 infrastruc-



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.

ture 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.

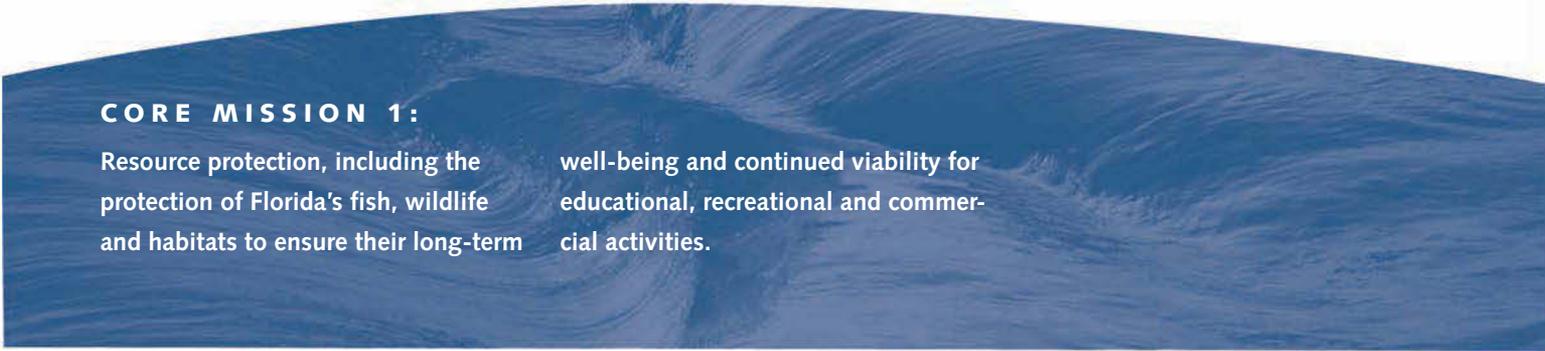
Our officers often encounter criminal activity, unrelated to natural resources, while on patrol. With statewide law enforcement authority, they are able to address violations immediately – serving as a force multiplier for local jurisdictions.

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, rescue and recovery efforts, to provide immediate impact assessments, aerial observation and monitoring of events or incidents, and to 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.

Every day, we work hard to ensure the FWC Division of Law Enforcement is synonymous with excellence.

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.



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 navigational and environmental hazards in the waterways.

Our Boating, Waterways and Field Services Section supports officer efforts by coordinating statewide boating safety efforts, education campaigns, ensuring waterway markers are accurate and maintained, permitting and marking speed-regulated areas, coordinating the removal of derelict vessels and providing more public boating access sites.

With well over 1 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 growing 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 2008 Boating Accidents Statistical Report, there were 657 reportable boating accidents and 54 boating related fatalities. Many of these deaths were due to victims falling overboard or capsizing their boat 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.



CORE MISSION 2:

Boating and waterways, which involves expanding boating and waterways enforcement activities to

enhance access to Florida's waters and promote safe boating.

With Florida's current boating safety education law only applying to boaters 21 years of age and younger, the face-to-face contacts by FWC officers and our partner agencies are a critical part of our outreach efforts to the boating public. These statistics show us that the boat operator most likely to be involved in a boating accident is a middle-age 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 the leader in promoting boating accident prevention. The FWC, in association with the National Safe Boating Council, Bombardier Recreational Products, Inc., 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 newer types of 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 2008 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.

At the end of each calendar year, boating accident data is compiled and assembled into



CORE MISSION 3:

Maritime and wilderness law enforcement patrol, which includes providing maritime and wilderness law enforce-

ment patrol services to enhance public safety in areas rarely patrolled by other law enforcement agencies.

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 USCG's Boating Safety Division 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 involve at least one of the following incidents for it 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, or,
- There is at least \$2,000 aggregate property damage to the vessel(s) or other property.

The number of recreational vessels registered in the State of Florida fell slightly in 2008. With 1,010,359 registered vessels, Florida leads the nation in registered vessels. Additionally, it is estimated that up to 1 million non-registered boats actively use Florida's waters, and this segment of the boating population has been growing rapidly. Our waterways increasingly show the strains of congestion as each year brings more residents and visitors to utilize our abundant water resources and enjoy Florida boating lifestyle.

Anyone having questions concerning this report should visit www.MyFWC.com and follow the link to "Ask FWC."

CORE MISSION 4:

Mutual aid and emergency response, which calls for enhancing our all-hazards emergency response, prevention

and protection capabilities through coordinated efforts with our local, state and federal mutual aid partners.

2008 Florida Boating Accident Statistical Report

SUMMARY

Boating Accident Review

- Total number of **registered vessels** in Florida continues to lead the nation with 1,010,359 registered in 2008 (16,684 below 2007 records).
- There were 657 total reportable boating accidents in 2008.
- Property damage totals increased 155% in 2008 primarily due to a fire in Miami-Dade County that resulted in \$15,000,000 in damages to three vessels.

2008 Reportable Boating Accidents

- 72% of the **Operators** involved in reportable boating accidents had no formal boater education.
- Monroe County reported the **highest number of accidents and injuries** (98 total accidents with 7 fatalities and 44 injuries).

2008 Reportable Boating Fatalities

In 2008 boaters falling overboard was the main cause of boating fatalities. This trend, although preventable, continues to grow.

- **38%** of the fatal accidents were falls overboard (19 accidents with 25 victims)
- 57% of the fatal accidents were in vessels less than 17 feet in length.
- 18% of the fatal accidents involved non-motorized vessels.
- The **leading cause of death** in fatal boating accidents was drowning (70%).
- 63% of the fatal accidents occurred when the victim involuntarily entered the water and drowned.
- Deadliest month in 2008 was May with 9 fatalities. March and April followed, with 7 each.
- 28% of the boating **fatalities were caused** by alcohol or drug use.
- 70% of the victims of fatal boating accidents were males (45).
- *The total fatality count for 2008 is reported as 54.*

CORE MISSIONS

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critical needs within our state, each of which is identified within our core missions.

2008 Reportable Boating Injuries

- There were 386 reported injuries in 2008 involving 925 vessels and 29 swimmers. The rate of injury was .58 per accident.

2008 Reportable Personal Watercraft Accidents

- Personal watercraft (PWC) account for 12.8% of all registered vessels in Florida.
- PWC were involved in 25% (168) of reported boating accidents.
- 59% of PWC accidents involved a collision with another vessel.
- 13% of total boating fatality victims were on a PWC.
- Over 38% of PWC accidents occurred in Miami-Dade, Monroe and Pinellas Counties, with Pinellas ranked as number #1 (with 27 accidents).

2008 Boating Education Statistics

- FWC issued 23,294 Boater Education ID cards in 2008.
- 53.5% of the cards were issued to persons 21 years of age or younger.

2008 Non-Motorized Vessel Fatalities

- 20% of all fatal boating accident victims were using a non-motorized vessel.
- Vessels involved included canoes (2), Kayaks (4), and jon/rowboats (3).
- 91 % of fatal non-motorized vessel accident victims drowned.
- Two of the non-motorized vessel fatalities involved rented vessels (canoes).



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Bay County	.82-83
Brevard County	.84-85
Lee County	.86-87
Duval County	.88-89

Glossary of Definitions

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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, including 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.

Glossary of Definitions

FALLEN SKIER

A person who has fallen off their water skis or other aquaplaning device.

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."

Glossary of Definitions

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IMPROPER LOADING

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

INBOARD/OUTBOARD

Also referred to as sterndrive. Regarded as inboard because the power unit is located inside the boat and has a stern-mounted propulsion unit.

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.

NONRESIDENT

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.

Glossary of Definitions

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 in 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.

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

A boating 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.

Glossary of Definitions

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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.

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.

TOWING

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

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.

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.



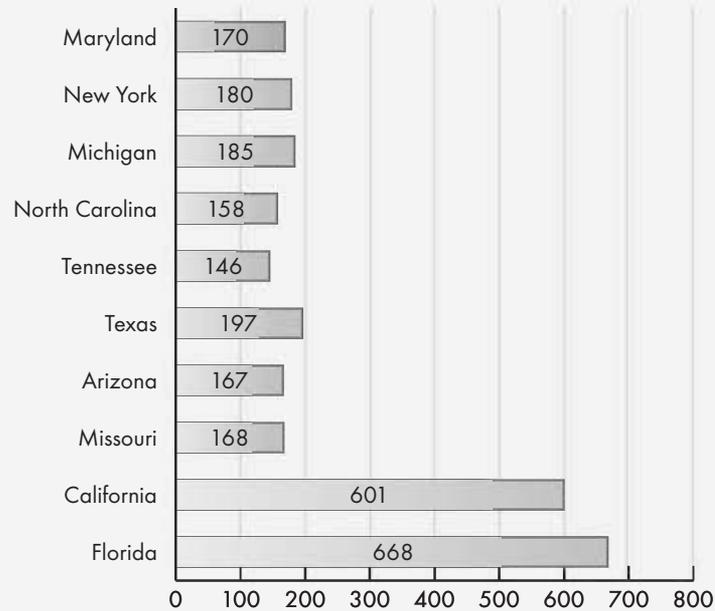
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2008 Boating Accidents REVIEW

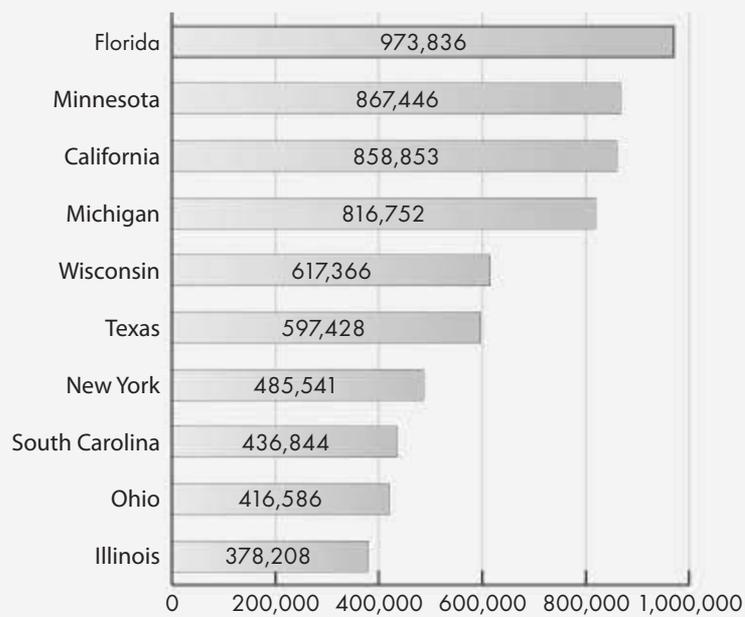
2008 Boating Accidents Review

NUMBER OF ACCIDENTS TOP TEN STATES, 2007



Source: U.S. Coast Guard Boating Safety Division
* Based on \$2000 Damage Threshold

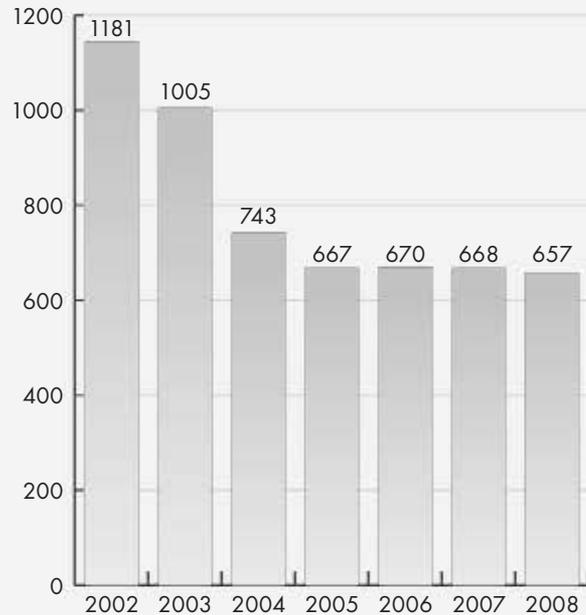
REGISTERED RECREATIONAL VESSELS TOP TEN STATES, 2008



Source: U.S. Coast Guard Boating Safety Division
* Vessel registration numbers by calendar year.

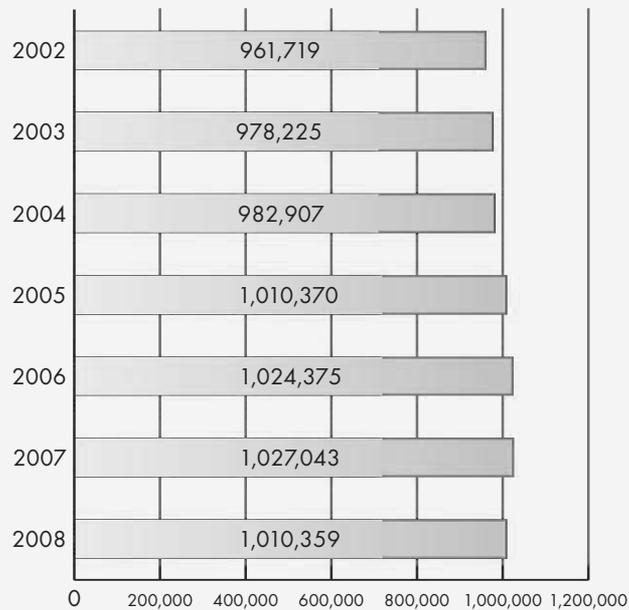
2008 Boating Accidents Review

2002-2008 FLORIDA REPORTABLE ACCIDENTS



Note: Effective July 1, 2003, the threshold for reportable boating accidents was changed from \$500 to \$2000. This change resulted in a decline in the number of "reportable boating accidents" since 2003.

2002-2008 FLORIDA REGISTERED VESSELS



* Fiscal year registration data includes all registered vessels.



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2008 Reportable BOATING ACCIDENTS

2008 Reportable Boating Accidents

2008 VESSEL REGISTRATION AND ACCIDENTS BY COUNTY								
County	Recreational Vessels	Total Vessels	Reportable Accidents	Fatalities	Injuries	Property Damage	Rank	Accident Rate*
Alachua	10988	11299	1	0	1	\$1,200	49	1:10988
Baker	2158	2164	0	0	0	\$0	67	0
Bay	19494	20507	26	0	16	\$298,313	7	1:749
Bradford	2190	2215	1	0	2	\$500	50	1:2190
Brevard	38637	40227	26	3	13	\$194,000	8	1:1486
Broward	48875	51057	39	0	14	\$422,400	5	1:1253
Calhoun	1444	1465	0	0	0	\$0	67	0
Charlotte	21853	22573	9	1	9	\$20,750	19	1:2428
Citrus	16755	17540	4	0	5	\$3,100	33	1:4188
Clay	12684	12931	5	0	4	\$7,500	29	1:2536
Collier	23234	24173	30	2	23	\$209,301	6	1:774
Columbia	4649	4713	0	0	0	\$0	67	0
Desoto	2336	2405	1	1	0	\$0	52	1:2336
Dixie	2544	2829	1	0	1	\$38,000	45	1:2544
Duval	33234	34083	17	1	7	\$177,401	10	1:1954
Escambia	17851	18340	10	1	5	\$36,600	16	1:1785
Flagler	4702	4820	2	1	2	\$2,500	44	1:2351
Franklin	2643	3528	7	0	3	\$66,570	22	1:377
Gadsden	2608	2654	0	0	0	\$0	67	0
Gilchrist	1683	1715	1	0	0	\$2,500	48	1:1683
Glades	1422	1515	1	1	0	\$0	52	1:1422
Gulf	2894	3179	2	1	1	\$7,000	42	1:1447
Hamilton	925	925	0	0	0	\$0	67	0
Hardee	1611	1627	0	0	0	\$0	67	0
Hendry	3041	3181	3	2	1	\$2,500	39	1:1013
Hernando	9306	9513	4	0	3	\$37,500	30	1:2326
Highlands	10365	10539	3	1	4	\$9,200	36	1:3455
Hillsborough	46688	47849	10	3	6	\$31,500	18	1:4668
Holmes	1919	1939	1	0	0	\$3,000	47	1:1919
Indian River	10947	11417	7	0	4	\$78,489	21	1:1563
Jackson	4563	4599	1	0	1	\$0	51	1:4563
Jefferson	1256	1281	0	0	0	\$0	67	0
Lafayette	883	895	0	0	0	\$0	67	0
Lake	22256	22582	9	3	11	\$15,500	20	1:2472
Lee	48853	50464	22	1	16	\$549,140	9	1:2220
Leon	13562	13837	1	1	0	\$0	52	1:13562
Levy	3903	4324	1	0	0	\$3,500	46	1:3903
Liberty	1081	1101	1	1	0	\$0	52	1:1081

2008 Reportable Boating Accidents

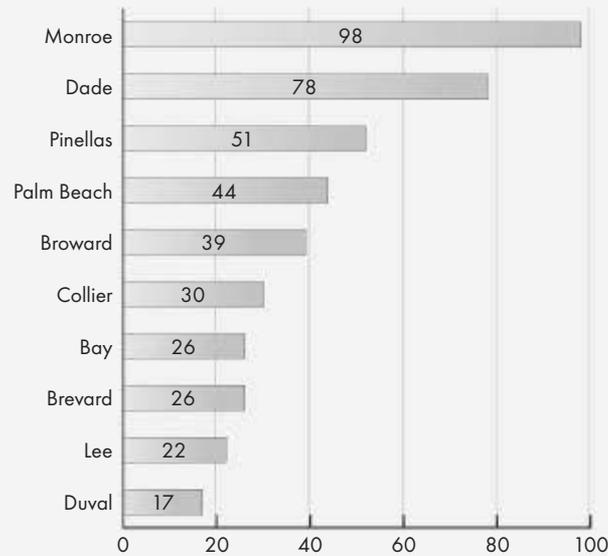
2008 VESSEL REGISTRATION AND ACCIDENTS BY COUNTY								
County	Recreational Vessels	Total Vessels	Reportable Accidents	Fatalities	Injuries	Property Damage	Rank	Accident Rate*
Madison	1223	1228	0	0	0	\$0	67	0
Manatee	19643	20674	6	0	4	\$34,500	23	1:3273
Marion	20044	20373	5	0	2	\$12,750	28	1:4008
Martin	16906	17826	17	0	10	\$102,500	11	1:994
Miami-Dade	56293	58880	78	3	47	\$17,970,000	2	1:721
Monroe	26897	29988	98	7	44	\$922,101	1	1:271
Nassau	5710	5915	10	1	9	\$492,500	15	1:571
Okaloosa	19397	20020	12	0	10	\$14,300	13	1:1616
Okeechobee	5872	6087	4	0	3	\$2,050	34	1:1468
Orange	33969	34650	6	2	2	\$14,700	26	1:5661
Osceola	9066	9267	10	1	8	\$33,200	17	1:906
Palm Beach	43822	45294	44	2	26	\$643,300	4	1:995
Pasco	25414	26048	2	2	0	\$25,000	41	1:12707
Pinellas	54466	56591	51	2	26	\$625,478	3	1:1067
Polk	32053	32618	6	1	4	\$26,600	25	1:5342
Putnam	8676	9028	5	1	2	\$28,000	27	1:1735
Santa Rosa	14005	14284	6	1	1	\$27,500	24	1:2334
Sarasota	24453	25239	4	0	8	\$28,500	31	1:6113
Seminole	19442	19880	4	0	3	\$20,100	32	1:4860
St Johns	12024	12454	11	2	8	\$6,500	14	1:1093
St Lucie	13283	13907	3	0	1	\$8,000	38	1:4427
Sumter	3985	4056	3	0	1	\$9,900	35	1:1328
Suwannee	2894	2932	3	0	4	\$8,200	37	1:964
Taylor	3817	3997	0	0	0	\$0	67	0
Union	826	832	0	0	0	\$0	67	0
Volusia	29779	30787	16	1	8	\$38,400	12	1:1861
Wakulla	4201	4511	3	0	2	\$5,200	39	1:1400
Walton	5240	5360	3	4	1	\$0	41	1:1746
Washington	2259	2291	0	0	0	\$0	67	0
DHSMV	2140	3337						
TOTAL	973,836	1,010,359	657	54	383	\$23,317,243		

* Accident Rate = # of Recreational Vessels
of accidents

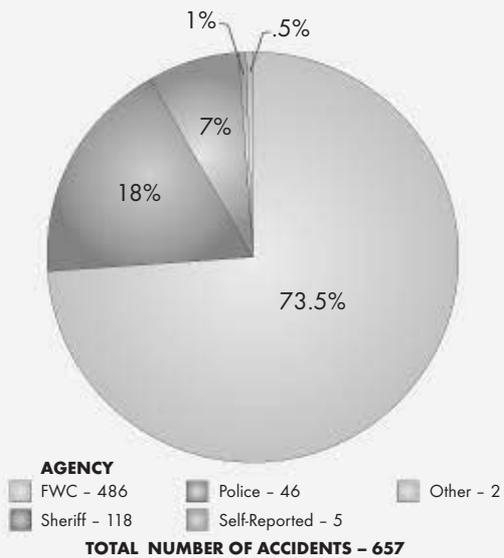
* Those counties highlighted in gray represent the top ten counties for boating accidents in 2008.

2008 Reportable Boating Accidents

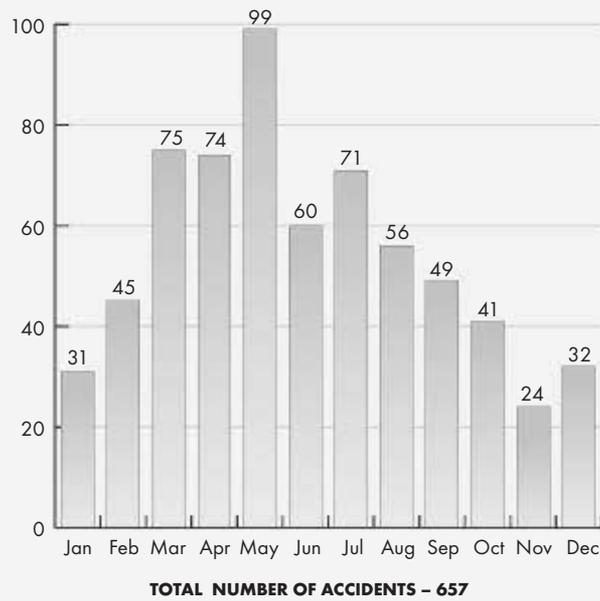
TOP TEN COUNTIES



INVESTIGATING AGENCY

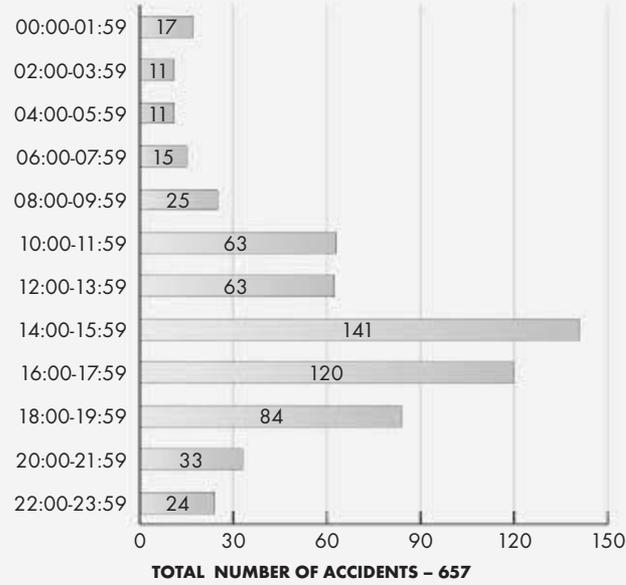


ACCIDENTS BY MONTH FOR 2008

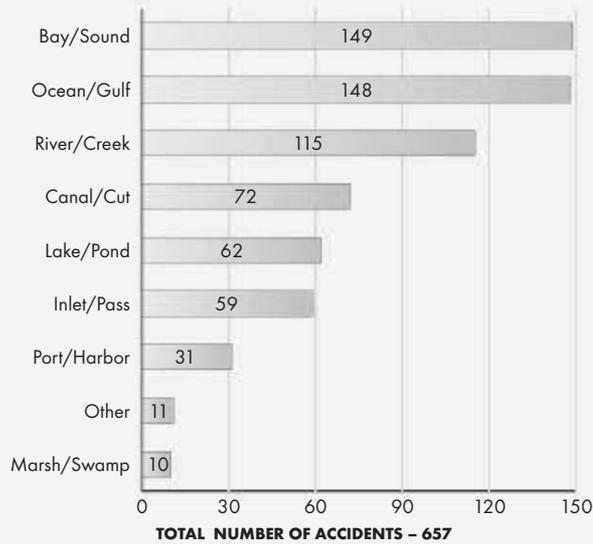


2008 Reportable Boating Accidents

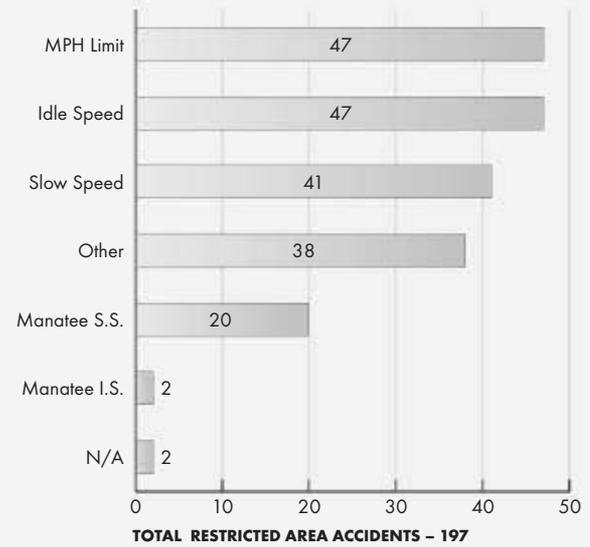
TIME OF DAY



ACCIDENT SITE LOCATION

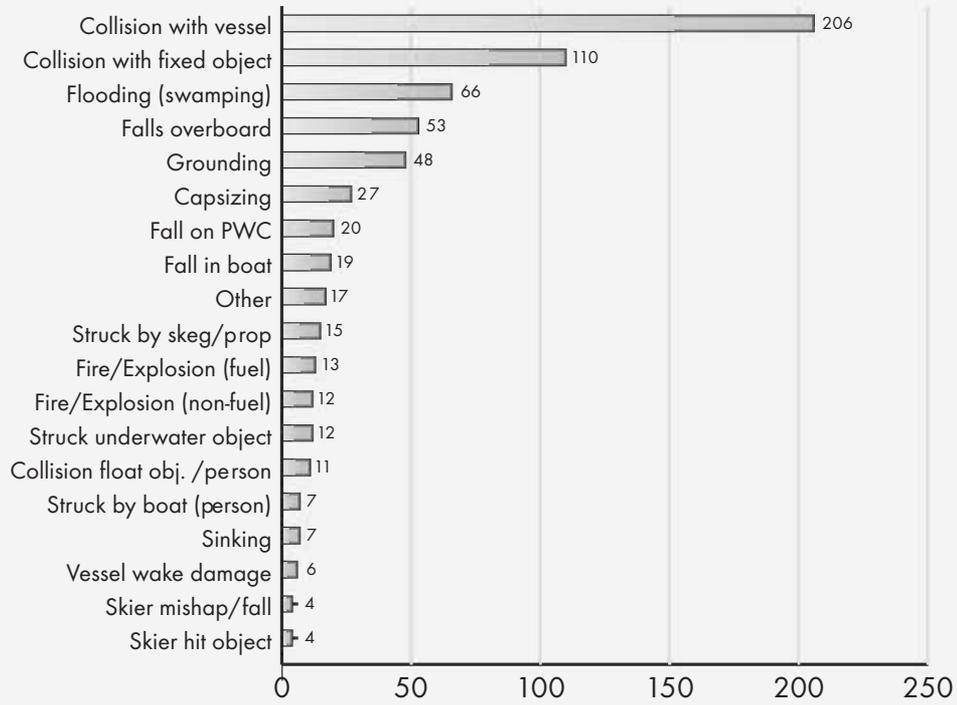


RESTRICTED AREA ACCIDENTS

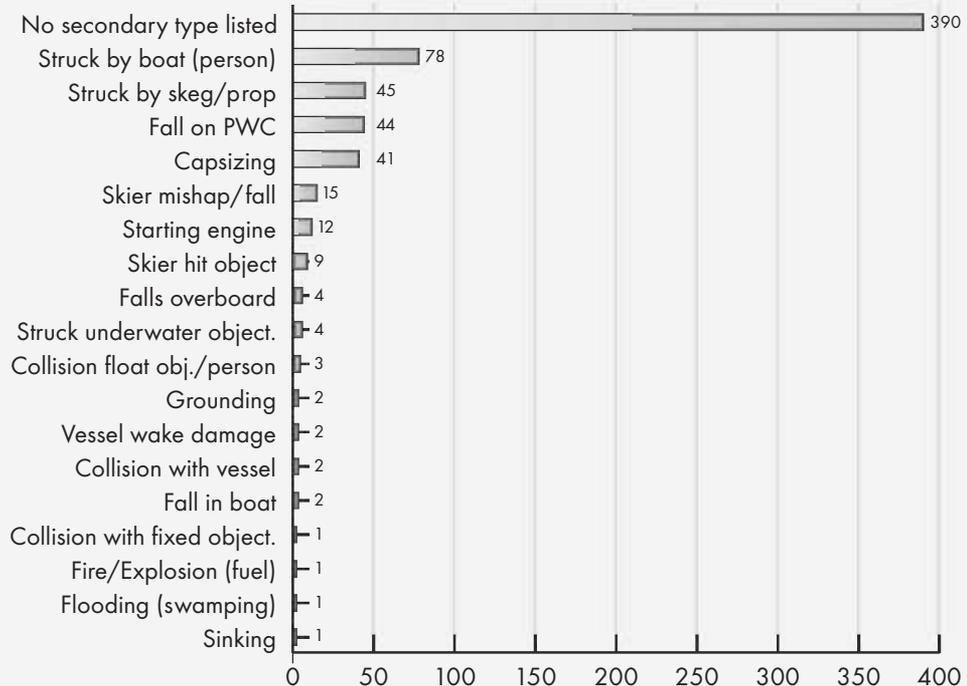


2008 Reportable Boating Accidents

PRIMARY TYPE OF ACCIDENT

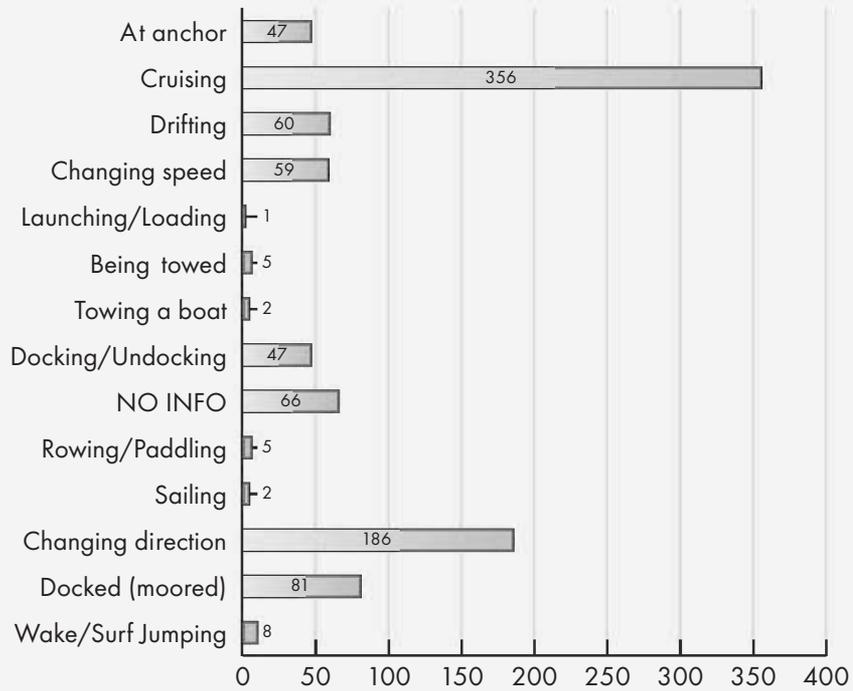


SECONDARY TYPE OF ACCIDENT

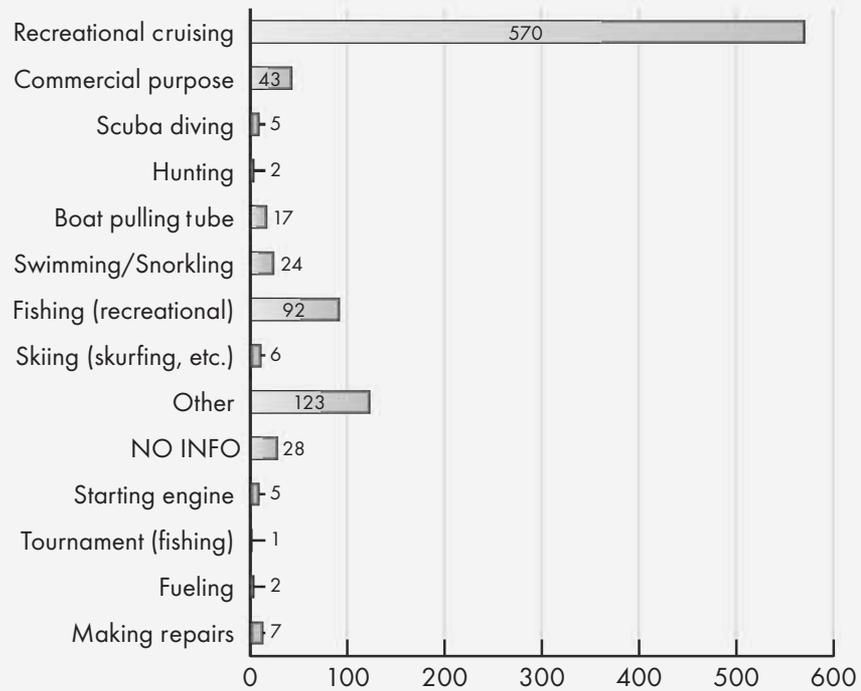


2008 Reportable Boating Accidents

OPERATION AT TIME OF ACCIDENT



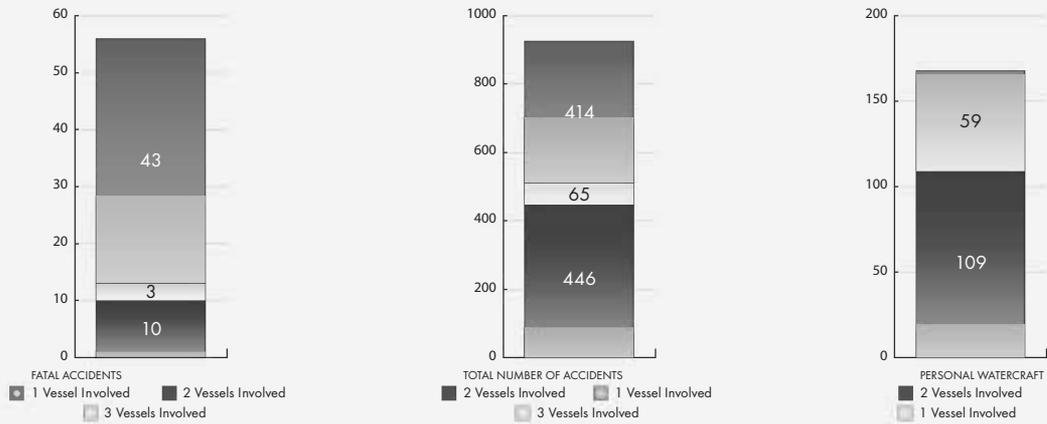
ACTIVITY AT TIME OF ACCIDENT



657 Total accidents involving 925 vessels and 29 swimmers.

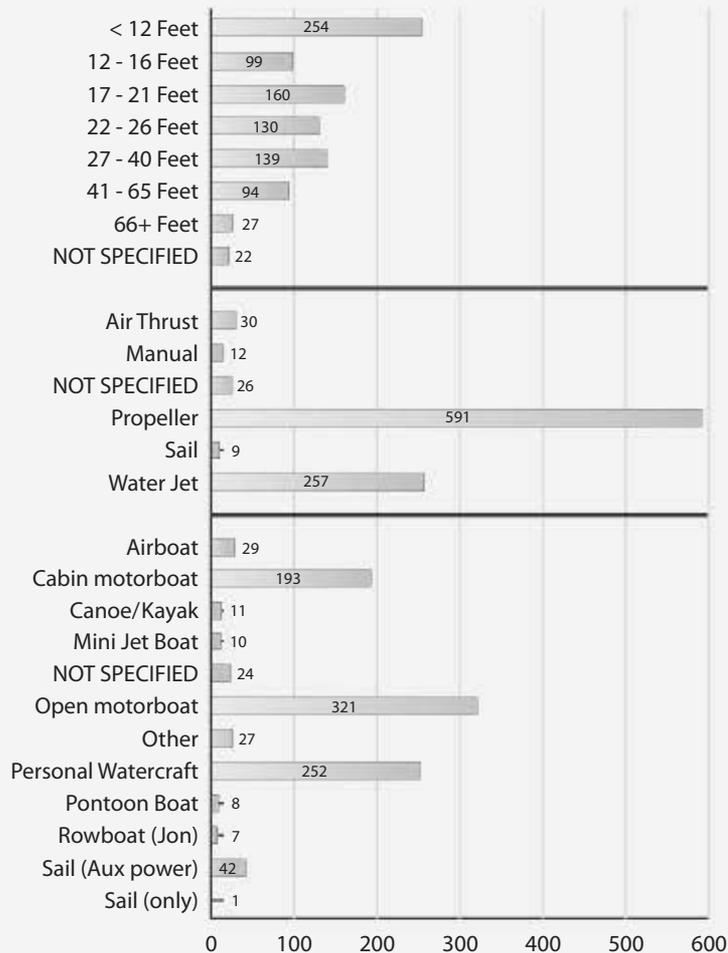
2008 Reportable Boating Accidents

NUMBER OF VESSELS INVOLVED



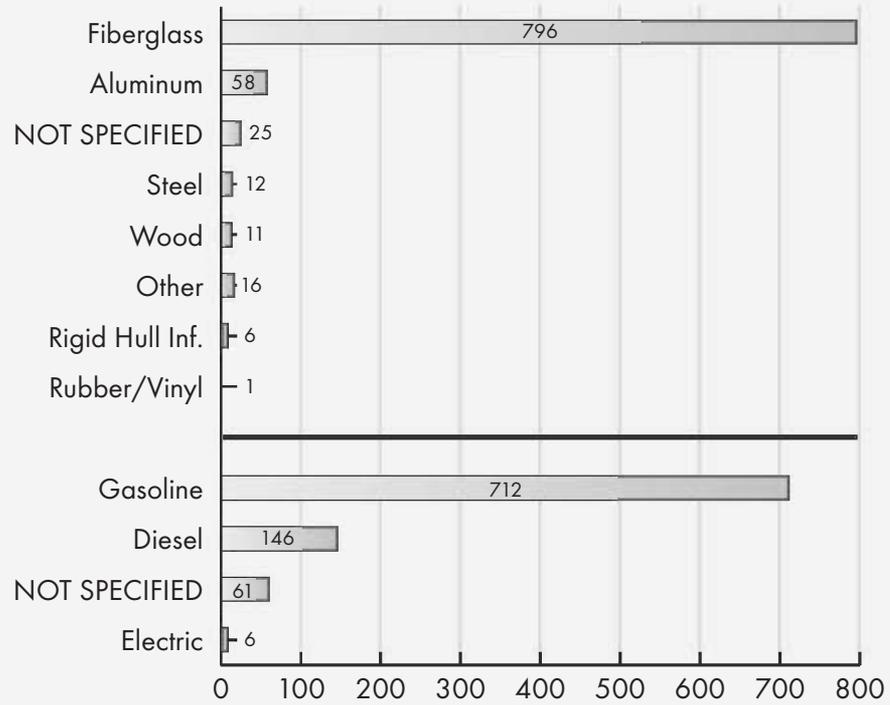
TOTAL NUMBER OF ACCIDENTS – 657 TOTAL NUMBER OF VESSELS – 925

VESSEL LENGTH, PROPULSION & TYPE

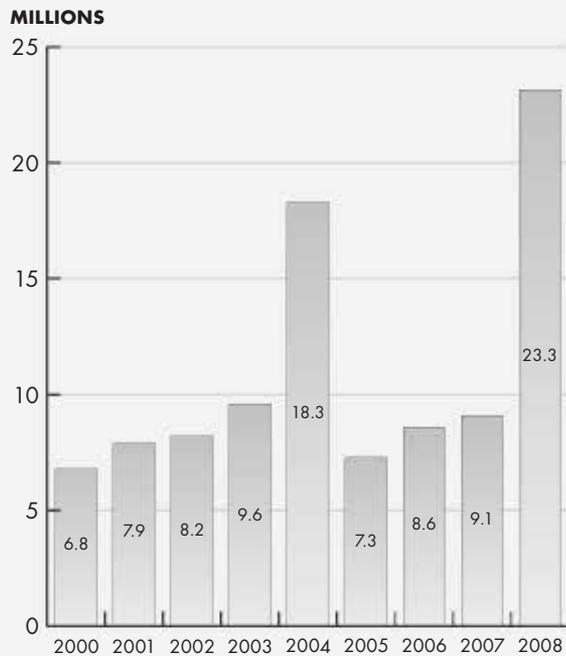


2008 Reportable Boating Accidents

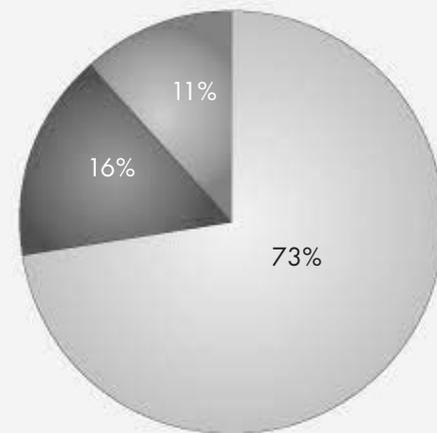
VESSEL HULL & FUEL TYPE



VESSEL & PROPERTY DAMAGE FIGURES



VESSEL OWNERSHIP

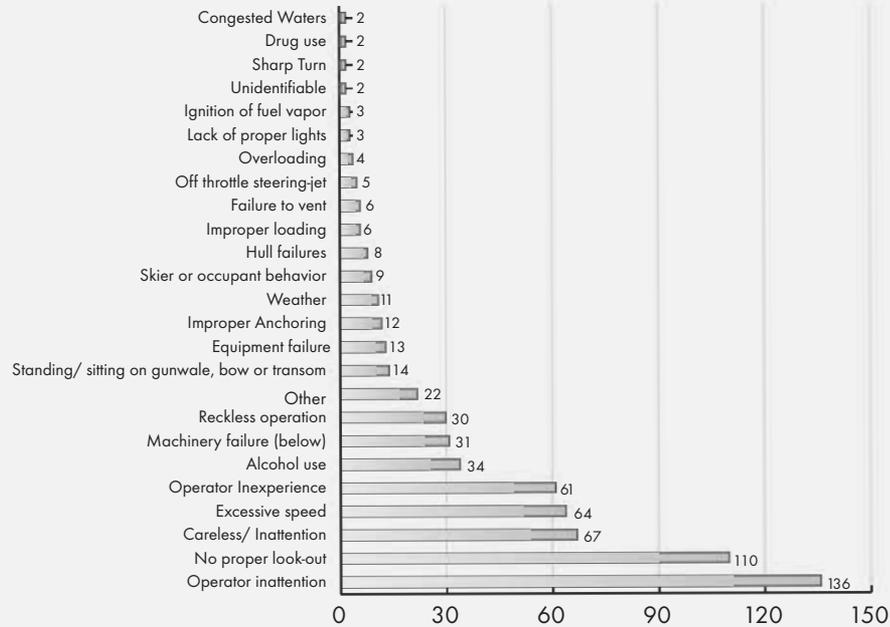


- VESSEL OWNERSHIP**
- Owner Household – 672
 - Borrowed (not in household) – 106
 - Rented – 147

23,090,756 in vessel damage and 226,486.00 in property damage in 2008.

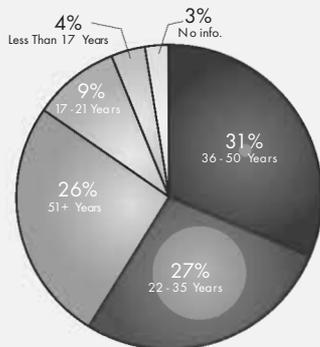
2008 Reportable Boating Accidents

PRIMARY CAUSE ASSESSED BY REVIEWING AUTHORITY



657 TOTAL ACCIDENTS INVOLVING 925 VESSELS AND 29 SWIMMERS (BASED ON THE FIRST HARMFUL EVENT AS DETERMINED BY THE STATE REVIEWING AUTHORITY.)

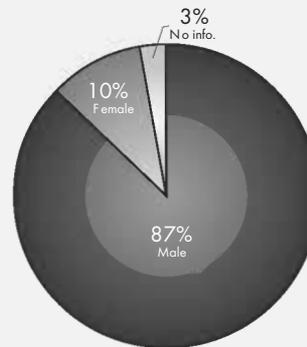
OPERATOR AGE



OPERATOR AGE IN YEARS

22 - 35 Years - 244	17 - 21 Years - 82
51+ Years - 227	Less Than 17 Years - 33
36 - 50 Years - 279	No Info. - 24

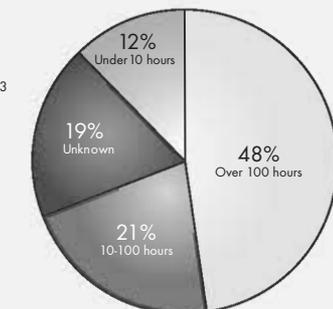
OPERATOR GENDER



OPERATOR GENDER

Male - 777	No Info. - 24
Female - 88	

OPERATOR EXPERIENCE



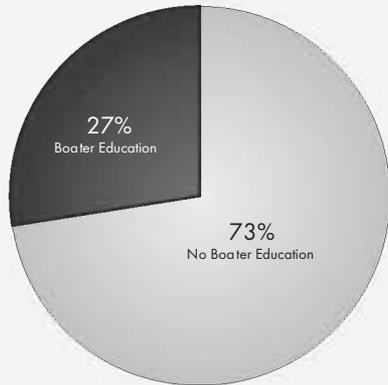
OPERATOR EXPERIENCE

10 - 100 hours - 191	Unknown - 167
Over 100 hours - 423	Under 10 hours - 108

657 ACCIDENTS INVOLVING 889 OPERATORS

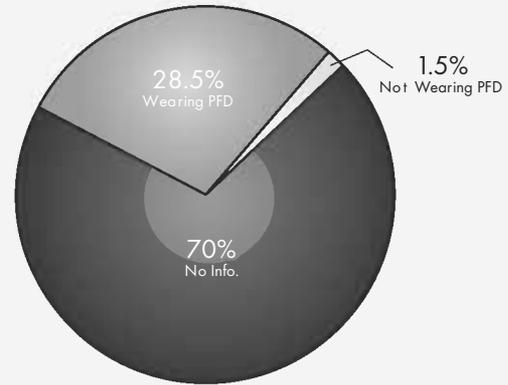
2008 Reportable Boating Accidents

BOAT OPERATOR EDUCATION



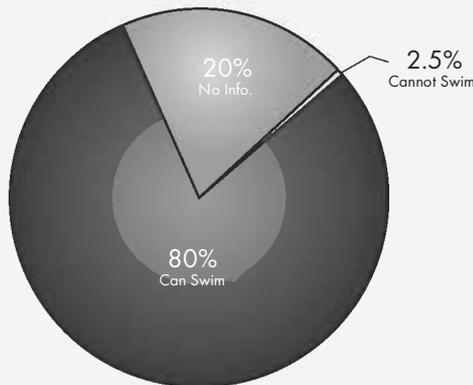
Boater Education - 243 No Boater Education - 646

OPERATOR/OCCUPANT PFD USE



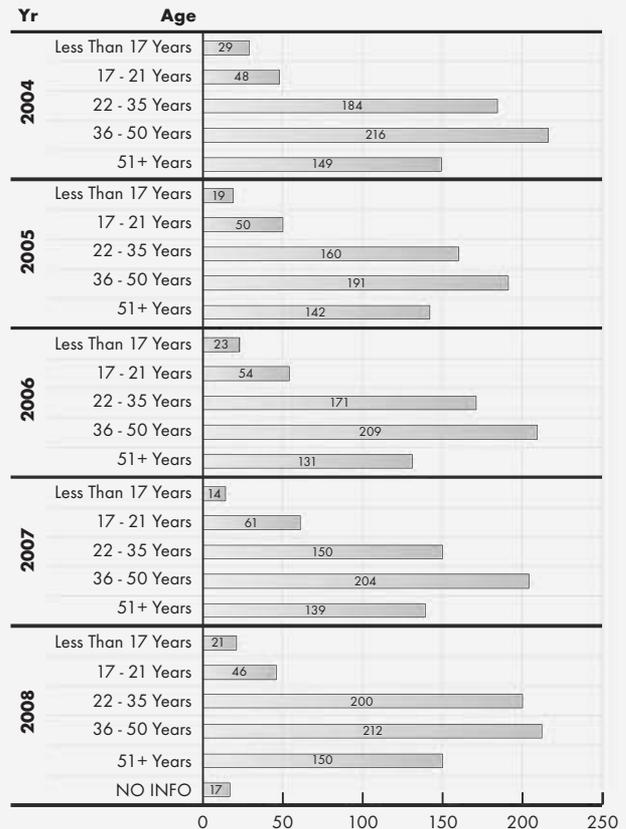
Wearing PFD - 530 Not Wearing PFD - 29 No info. - 1299

OPERATOR/OCCUPANT SWIMMING ABILITY



Can Swim - 1487 Cannot Swim - 4 No Info. - 367

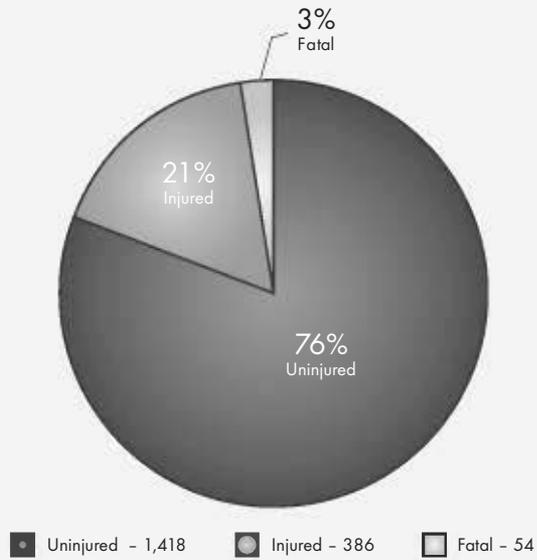
OPERATOR BY AGE WITH NO BOATER EDUCATION



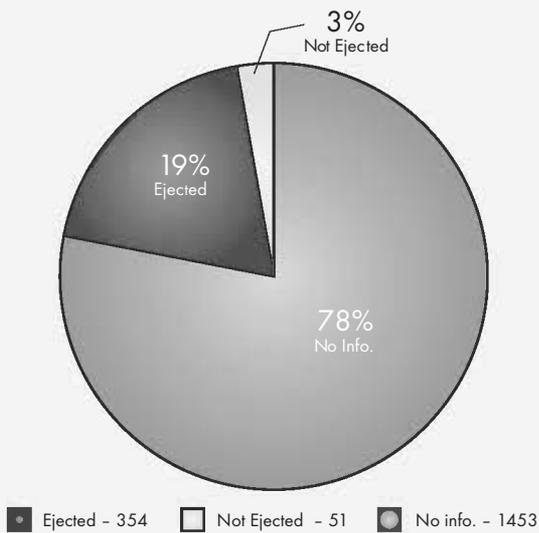
657 accidents involving 1858 operators/occupants.

2008 Reportable Boating Accidents

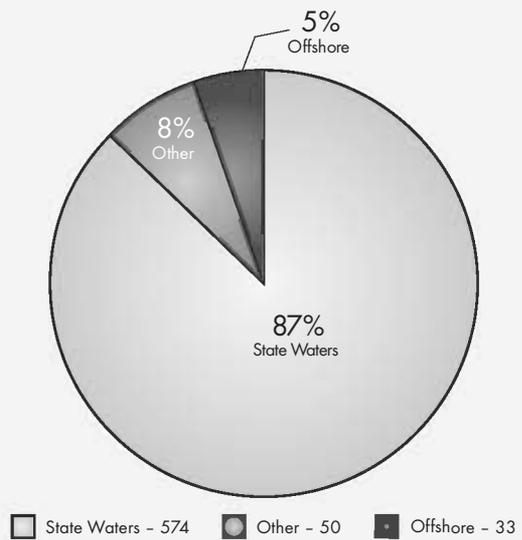
VICTIM STATISTICS



VICTIM STATISTICS (EJECTED FROM BOAT)



STATE WATERS VS. OFFSHORE ACCIDENTS





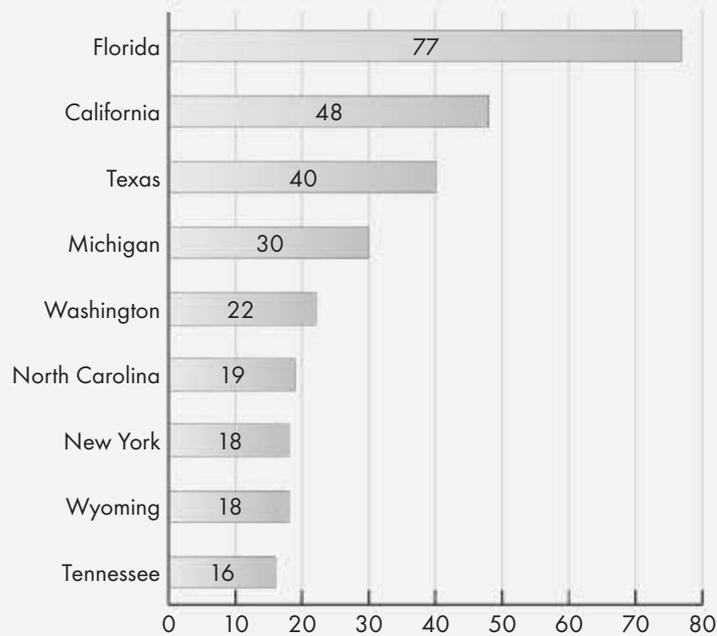
**Florida Fish and Wildlife
Conservation Commission**
Division of Law Enforcement



2008 Fatality
DATA

2008 Fatality Data

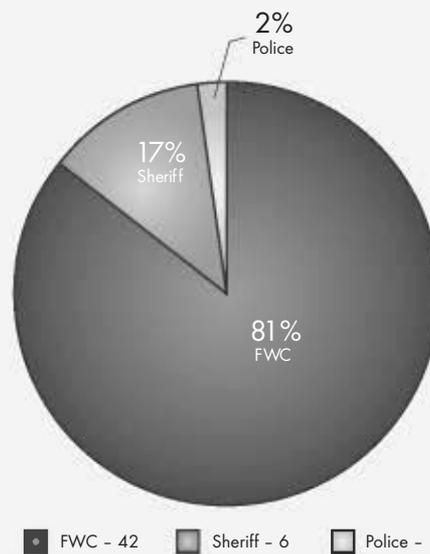
2007 FATALITIES TOP TEN STATES



FLORIDA TOTAL FATALITIES RECORDED

Yr	Age	Value
2003	Number of fatalities	64
	Fatality rate	6.8
	Registered vessels	939,968
2004	Number of fatalities	68
	Fatality rate	6.9
	Registered vessels	982,907
2005	Number of fatalities	80
	Fatality rate	7.9
	Registered vessels	1,010,870
2006	Number of fatalities	68
	Fatality rate	6.6
	Registered vessels	1,024,375
2007	Number of fatalities	77
	Fatality rate	7.5
	Registered vessels	1,027,043
2008	Number of fatalities	54
	Fatality rate	5.3
	Registered vessels	1,010,359

INVESTIGATING AGENCY

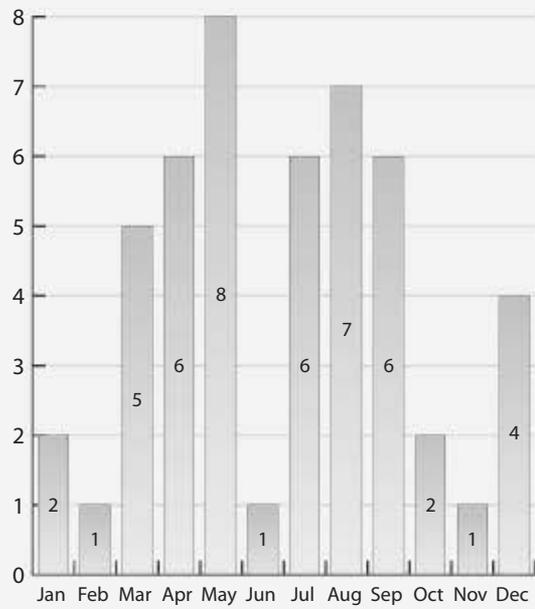


49 ACCIDENTS RESULTING IN 54 FATALITIES

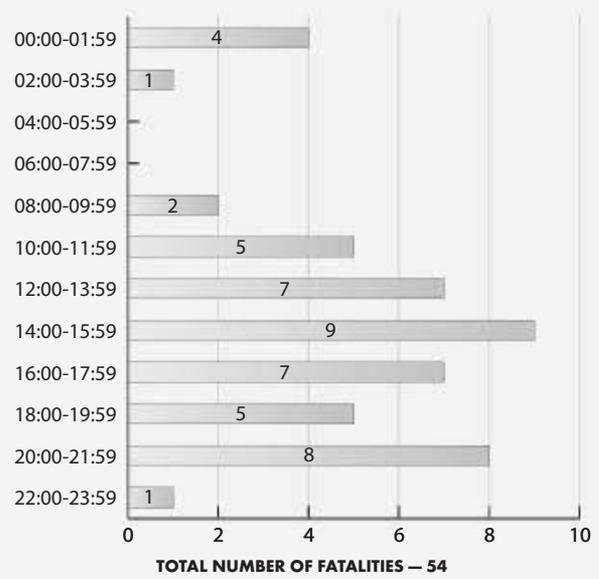
2008 Fatality Data

38

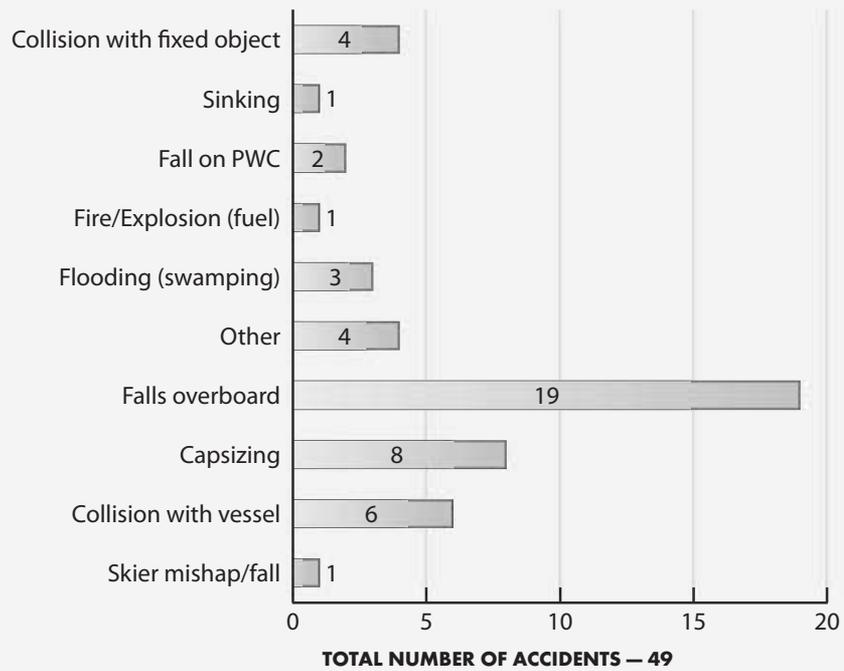
FATAL ACCIDENTS BY MONTH



TIME OF DAY

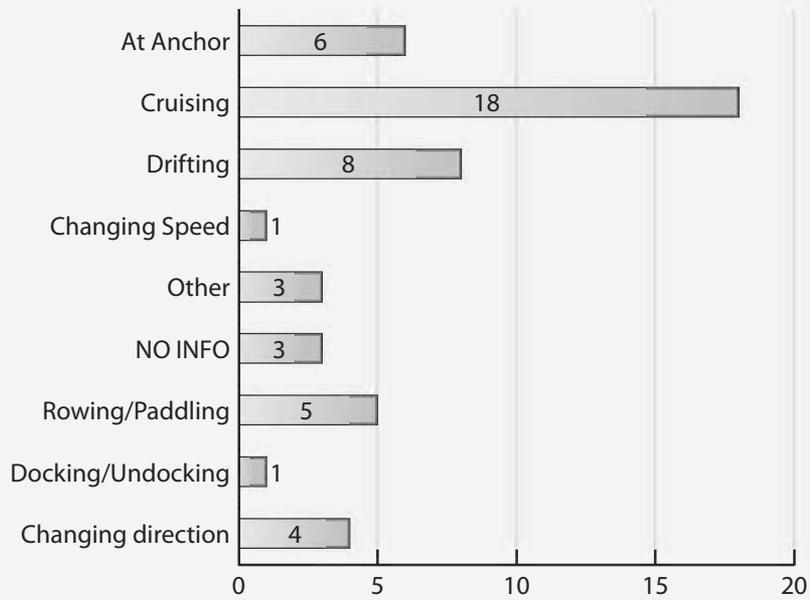


TYPE OF ACCIDENTS

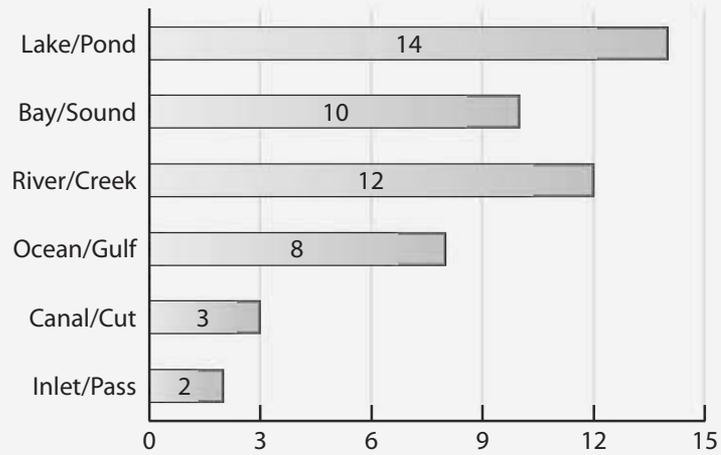


2008 Fatality Data

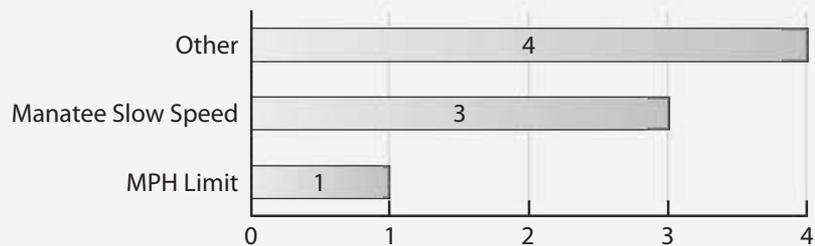
OPERATION AT TIME OF ACCIDENT



ACCIDENT SITE LOCATION

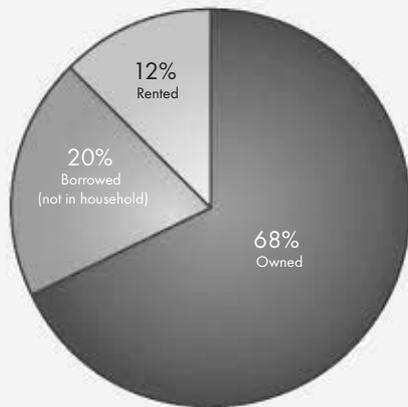


RESTRICTED AREA FATAL ACCIDENTS



2008 Fatality Data

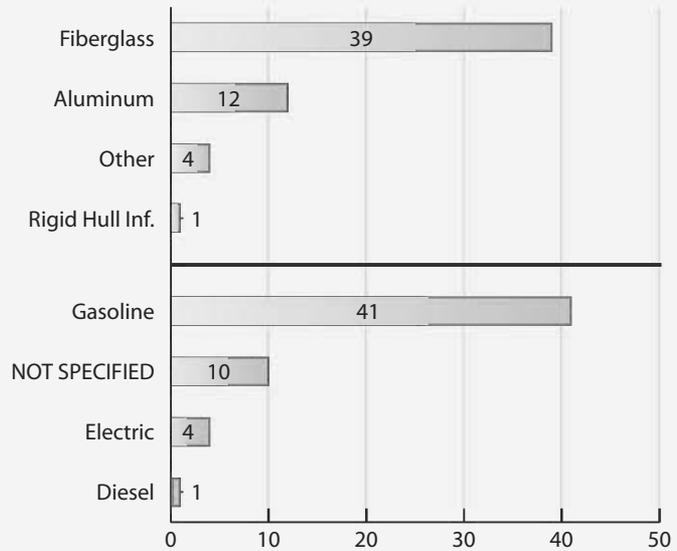
VESSEL OWNERSHIP



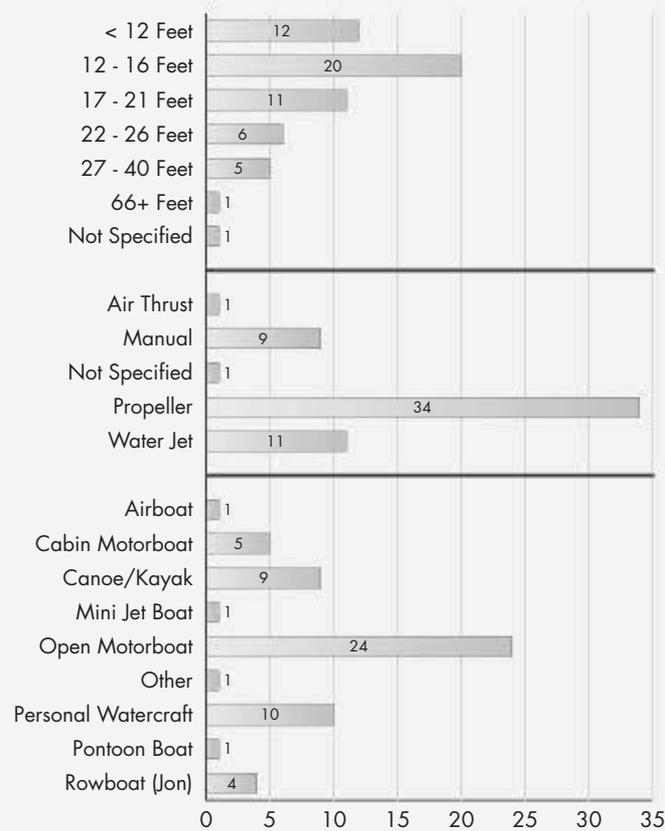
Owned - 38
 Borrowed (not in household) - 11
 Rented - 7

56 VESSELS INVOLVED IN 49 FATALITIES.

VESSEL HULL & FUEL TYPE



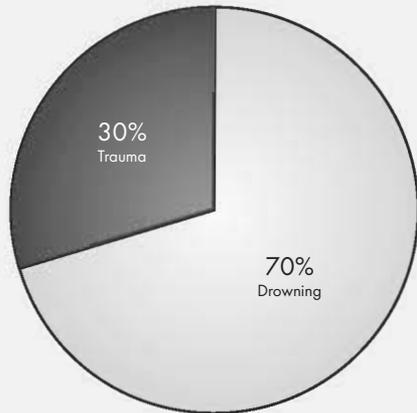
VESSEL TYPE, LENGTH & PROPULSION



49 fatalities involving 56 vessels.

2008 Fatality Data

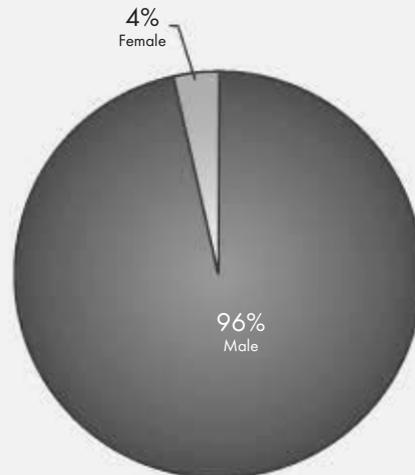
PRIMARY CAUSE OF DEATH



PRIMARY CAUSE OF DEATH

□ Drowning - 38 ■ Trauma - 16

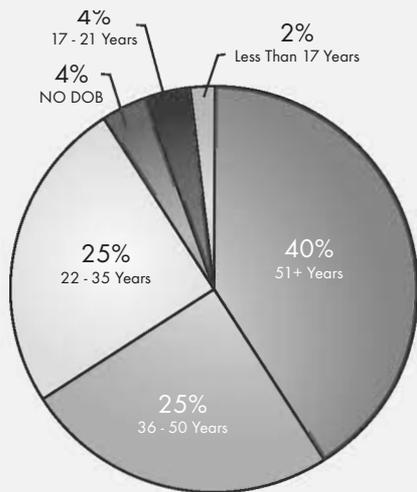
OPERATOR GENDER



OPERATOR GENDER

■ Male - 54 □ Female - 2

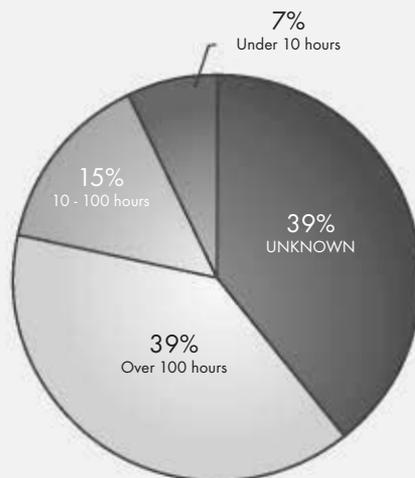
OPERATOR AGE



OPERATOR AGE

■ NO DOB - 2 □ 22 - 35 Years - 14
 ■ Less Than 17 Years - 1 ■ 36 - 50 Years - 14
 ■ 17 - 21 Years - 2 ■ 51+ Years - 23

OPERATOR EXPERIENCE

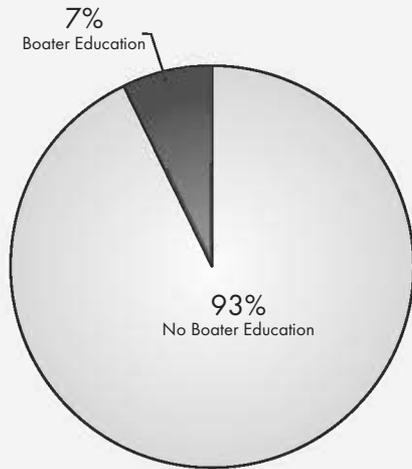


OPERATOR EXPERIENCE

■ 10 - 100 hours - 8 ■ Unknown - 22
 □ Over 100 hours - 22 ■ Under 10 hours - 4

2008 Fatality Data

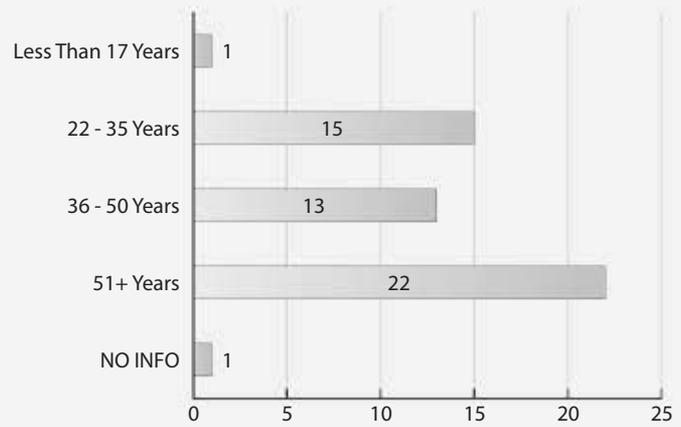
BOAT OPERATOR EDUCATION



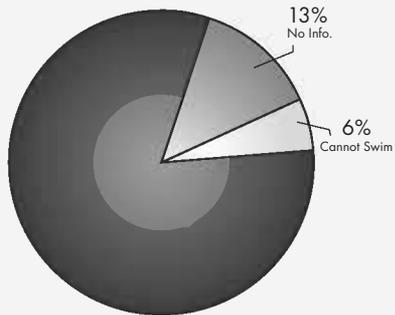
OPERATOR INSTRUCTION

No Boater Education - 52
 Boater Education - 4

OPERATORS BY AGE WITHOUT FORMAL BOATER EDUCATION



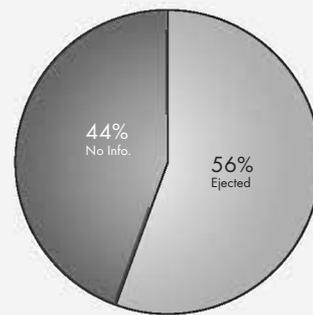
VICTIM STATISTICS (SWIMMING ABILITY)



CAN SWIM

Can Swim - 44
 No Info. - 7
 Cannot Swim - 3

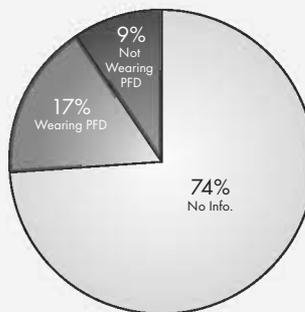
VICTIM STATISTICS (EJECTED)



EJECTED

No Info. - 24
 Ejected - 30

VICTIM STATISTICS (WEARING PFD)

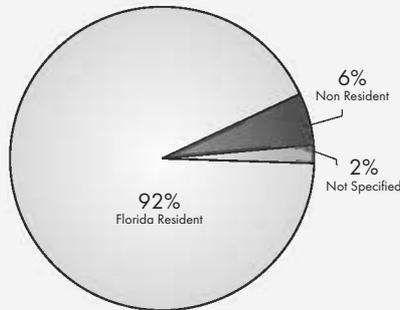


WEARING PFD

No Info. - 40
 Not Wearing PFD - 5
 Wearing PFD - 9

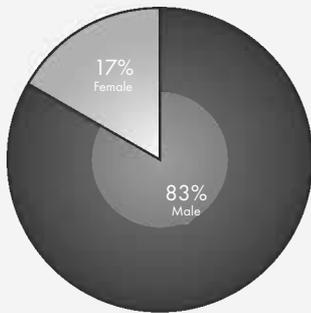
2008 Fatality Data

VICTIM RESIDENCY



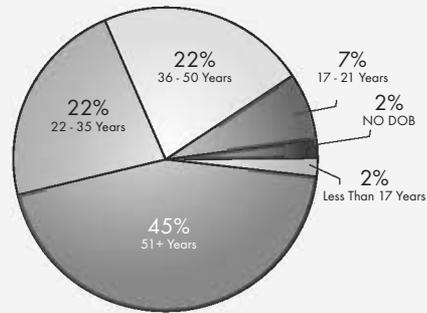
VICTIM RESIDENCY
 Florida Resident - 50 Non Resident - 3
 Not Specified - 1

VICTIM GENDER



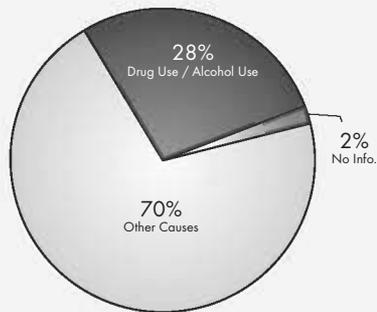
VICTIM GENDER
 Male - 45 Female - 9

VICTIM AGE



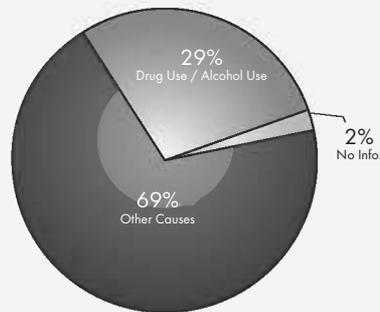
VICTIM AGE
 NO DOB - 1 22-35 Years - 12
 Less Than 17 Years - 1 36-50 Years - 12
 17-21 Years - 4 51+ Years - 24

ALCOHOL/DRUG RELATED VICTIMS



Other Causes - 38 Drug Use / Alcohol Use - 15
 No Info. - 1

ALCOHOL/DRUG RELATED ACCIDENTS



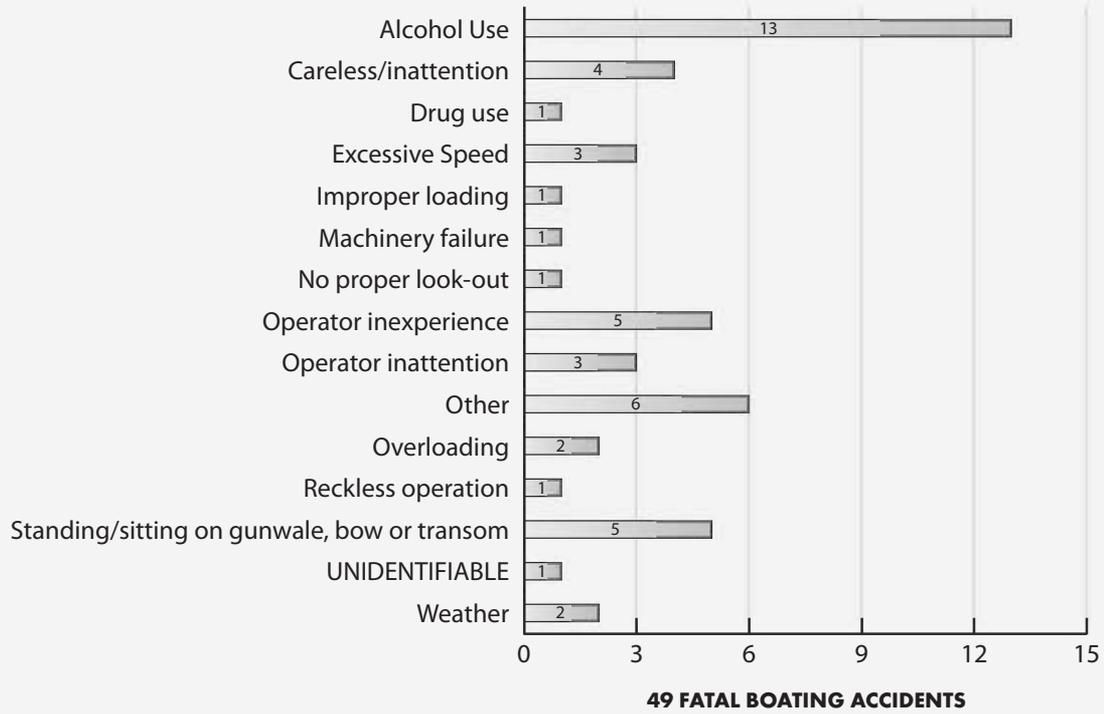
Other Causes - 34 Drug Use / Alcohol Use - 14
 No Info. - 1

49 Fatal accidents involving 54 victims.

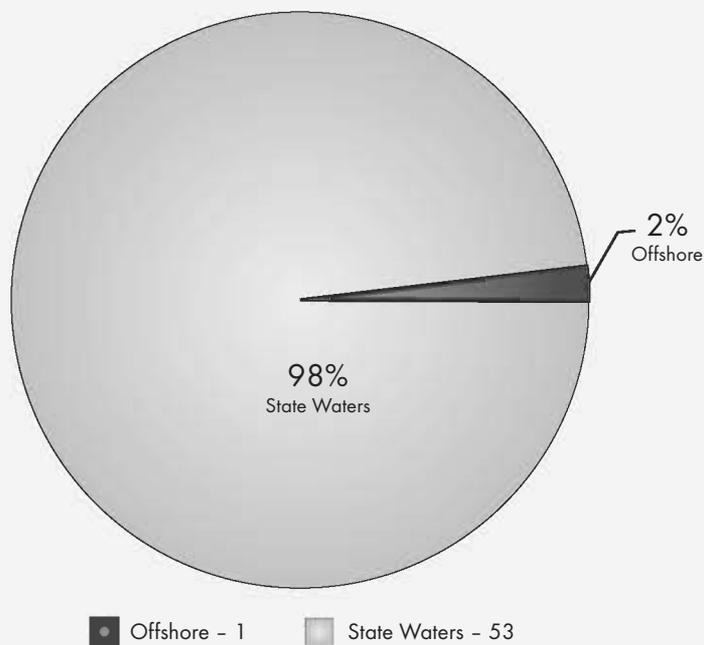
2008 Fatality Data

44

PRIMARY CAUSE OF ACCIDENT BY REVIEWING AUTHORITY



STATE WATERS VS. OFFSHORE FATALITIES





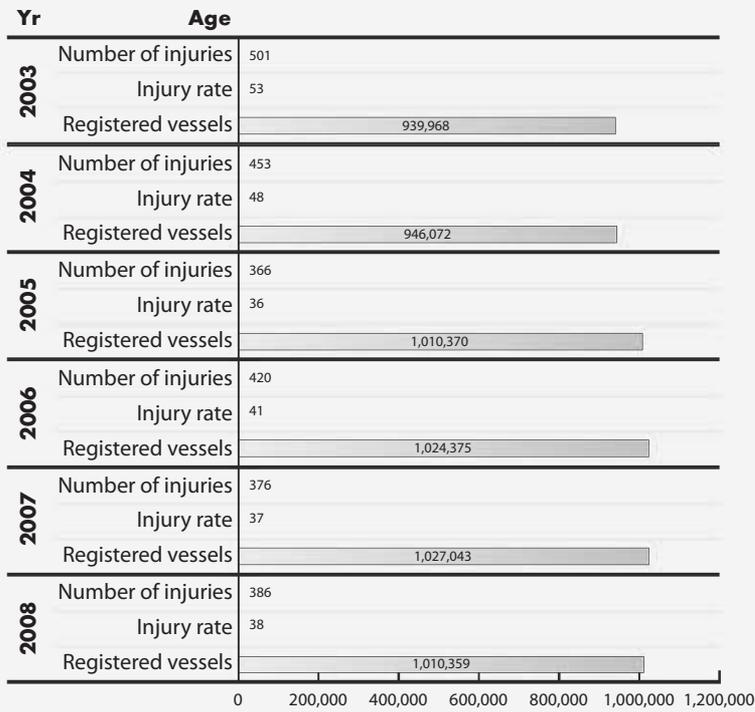
**Florida Fish and Wildlife
Conservation Commission**
Division of Law Enforcement



2008 Injury
DATA

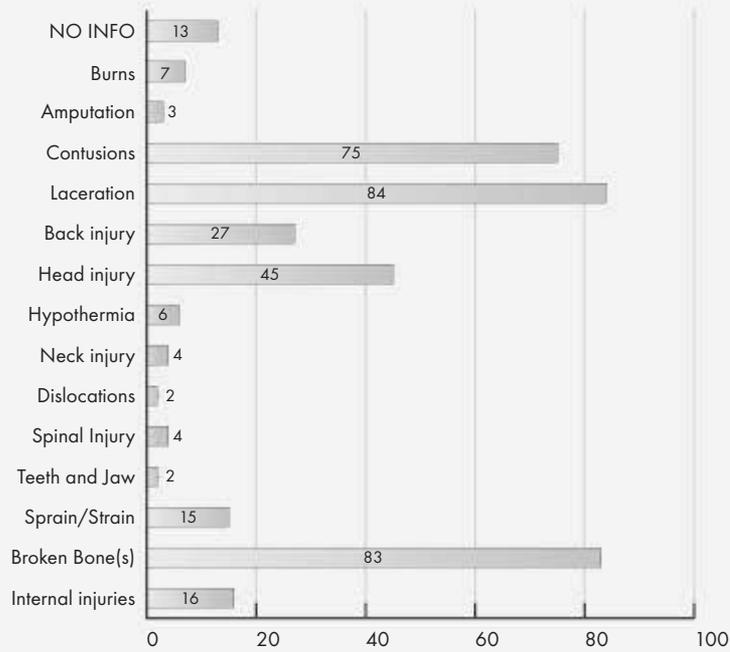
2008 Injury Data

TOTAL INJURIES RECORDED 2003-2008



INJURY RATE – NUMBER OF INJURIES PER 100,000 RECREATIONAL REGISTERED VESSELS

PRIMARY TYPE OF INJURY

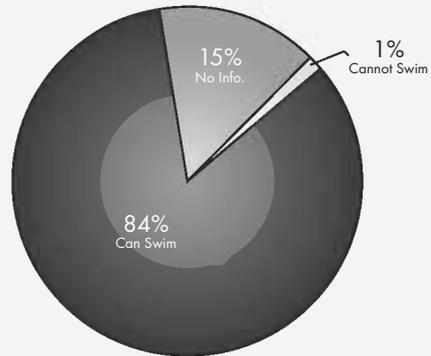


657 ACCIDENTS RESULTING IN 386 INJURIES.

2008 Injury Data

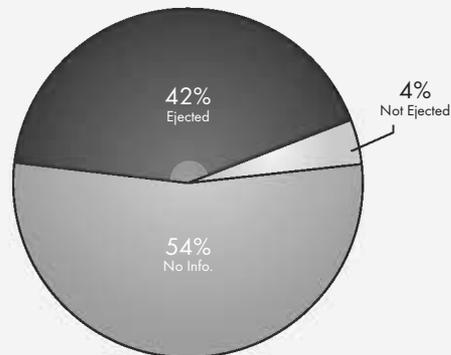
48

INJURED STATISTICS (SWIMMING ABILITY)



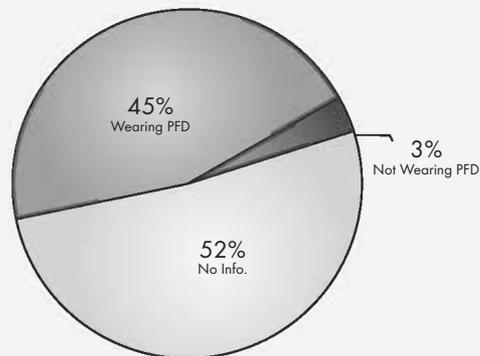
■ Can Swim - 323 □ Cannot Swim - 5 ■ No Info. - 58

INJURED STATISTICS (EJECTED)



■ Ejected - 163 □ Not Ejected - 16 ■ No Info. - 207

INJURED STATISTICS (PFD USE)



■ Wearing PFD - 174 ■ Not Wearing PFD - 12 □ No Info. - 200



Florida Fish and Wildlife
Conservation Commission
Division of Law Enforcement



2008 Personal WATERCRAFT DATA

2008 Personal Watercraft Data

2008 PERSONAL WATERCRAFT REGISTRATION AND ACCIDENTS BY COUNTY									
County	Pleasure	Rental	Total	PWC Accidents	PWC Fatalities	PWC Injuries	Property Damage	Rank	Accident Rate*
Alachua	973	5	978	0	0	0	\$0	67	0
Baker	212	1	213	0	0	0	\$0	67	0
Bay	2,440	185	2,625	13	0	12	\$17,513	4	1:201
Bradford	247	0	247	0	0	0	\$0	67	0
Brevard	4,354	26	4,380	2	0	1	\$3,600	22	1:2190
Broward	8,669	126	8,795	7	0	7	\$10,600	6	1:1256
Calhoun	52	0	52	0	0	0	\$0	67	0
Charlotte	1,752	43	1,795	2	0	3	\$3,250	23	1:897
Citrus	1,173	1	1,174	0	0	0	\$0	67	0
Clay	2,096	10	2,106	1	0	1	\$0	29	1:2106
Collier	3,326	188	3,514	6	0	8	\$9,000	8	1:585
Columbia	390	0	390	0	0	0	\$0	67	0
Desoto	230	3	233	0	0	0	\$0	67	0
Dixie	124	1	125	0	1	0	\$0	67	0
Duval	4,824	14	4,838	2	1	2	\$2,500	24	1:2419
Escambia	1,891	23	1,914	5	0	3	\$19,600	10	1:382
Flagler	617	3	620	0	0	0	\$0	67	0
Franklin	266	3	269	0	0	0	\$0	67	0
Gadsden	142	1	143	0	0	0	\$0	67	0
Gilchrist	120	1	121	0	0	0	\$0	67	0
Glades	33	0	33	0	0	0	\$0	67	0
Gulf	218	2	220	0	0	0	\$0	67	0
Hamilton	37	0	37	0	0	0	\$0	67	0
Hardee	162	4	166	0	1	0	\$0	67	0
Hendry	213	2	215	1	0	1	\$0	28	1:215
Hernando	1,197	4	1,201	0	0	0	\$0	67	0
Highlands	1,450	1	1,451	1	1	2	\$7,800	26	1:1451
Hillsborough	7,217	41	7,258	4	0	4	\$9,500	13	1:1814
Holmes	77	3	80	0	0	0	\$0	67	0
Indian River	901	3	904	1	0	0	\$28,000	25	1:904
Jackson	267	4	271	0	0	0	\$0	67	0
Jefferson	76	1	77	0	0	0	\$0	67	0
Lafayette	64	0	64	0	0	0	\$0	67	0
Lake	2,832	16	2,848	3	0	3	\$3,300	18	1:949
Lee	5,404	136	5,540	9	0	6	\$22,140	5	1:615
Leon	1,050	2	1,052	0	0	0	\$0	67	0
Levy	217	3	220	0	0	0	\$0	67	0
Liberty	35	0	35	0	0	0	\$0	67	0

2008 Personal Watercraft Data

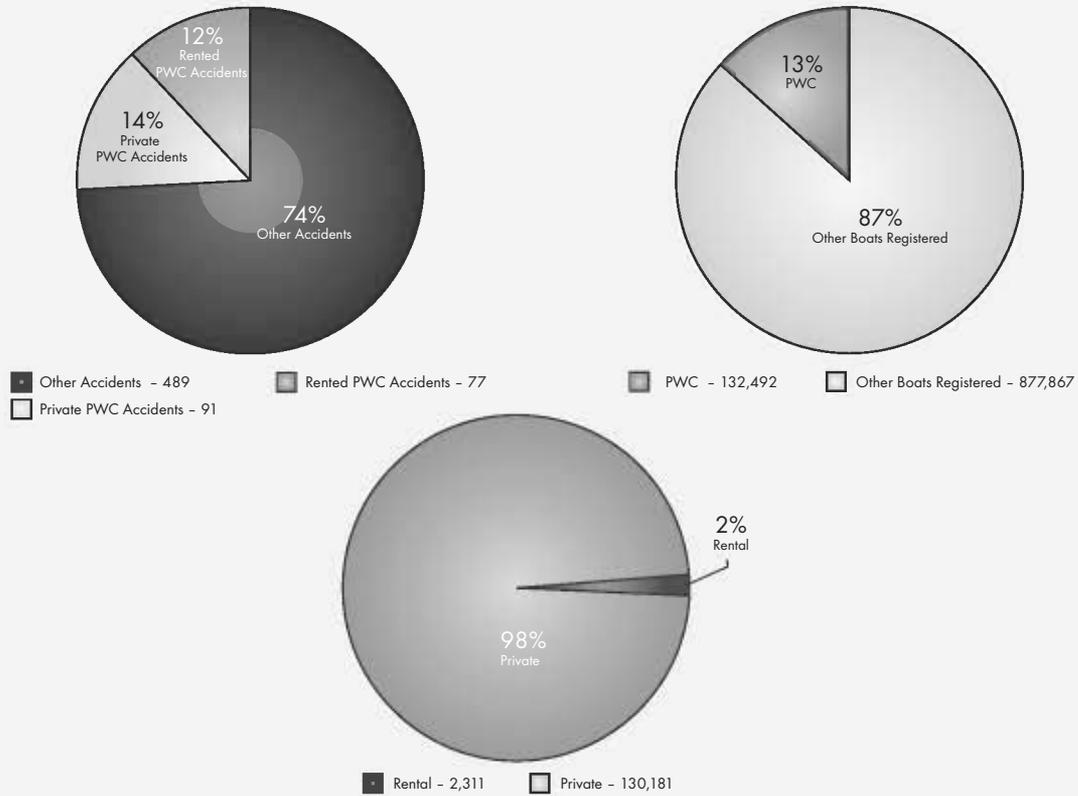
2008 PERSONAL WATERCRAFT REGISTRATION AND ACCIDENTS BY COUNTY									
County	Pleasure	Rental	Total	PWC Accidents	PWC Fatalities	PWC Injuries	Property Damage	Rank	Accident Rate*
Madison	58	0	58	0	0	0	\$0	67	0
Manatee	2,323	45	2,368	2	0	3	\$4,000	21	1:1184
Marion	2,000	3	2,003	3	0	2	\$7,750	16	1:667
Martin	1,475	6	1,481	4	0	3	\$13,000	12	1:368
Miami-Dade	11,542	297	11,839	14	0	16	\$28,000	3	1:845
Monroe	1,671	285	1,956	24	0	21	\$61,700	2	1:81
Nassau	607	4	611	1	0	1	\$2,000	27	1:607
Okaloosa	2,906	218	3,124	7	0	7	\$2,300	7	1:446
Okeechobee	275	0	275	0		0	\$0	67	0
Orange	7,979	44	8,023	1	1	0	\$0	30	1:8023
Osceola	1,878	19	1,897	3		4	\$4,200	17	1:632
DHSMV		698	3	701		0			
Palm Beach	7,376	65	7,441	5	0	5	\$16,500	11	1:1488
Pasco	3,964	18	3,982	0	1	0	\$0	67	0
Pinellas	8,500	221	8,721	27	0	13	\$89,278	1	1:323
Polk	3,525	16	3,541	2	0	3	\$4,600	20	1:1770
Putnam	717	2	719	0	0	0	\$0	67	0
Santa Rosa	1,949	83	2,032	1	0	1	\$0	29	1:2032
Sarasota	2,973	54	3,027	3	0	7	\$17,500	15	1:1009
Seminole	3,884	10	3,894	2	1	3	\$6,100	19	1:1947
St Johns	2,180	9	2,189	4	0	3	\$2,500	14	1:547
St Lucie	1,457	7	1,464	0	0	0	\$0	67	0
Sumter	235	1	236	0	0	0	\$0	67	0
Suwannee	209	0	209	0	0	0	\$0	67	0
Taylor	134	0	134	0	0	0	\$0	67	0
Union	59	0	59	0	0	0	\$0	67	0
Volusia	3,319	37	3,356	6	0	5	\$3,100	9	1:559
Wakulla	218	2	220	1	0	1	\$0	29	1:220
Walton	591	5	596	1	0	1	\$0	29	1:596
Washington	131	1	132	0		0	\$0	67	0
TOTAL	130,181	2,311	132,492	168	7	152	\$399,331		

* Accident Rate = # of Recreational Vessels
of accidents

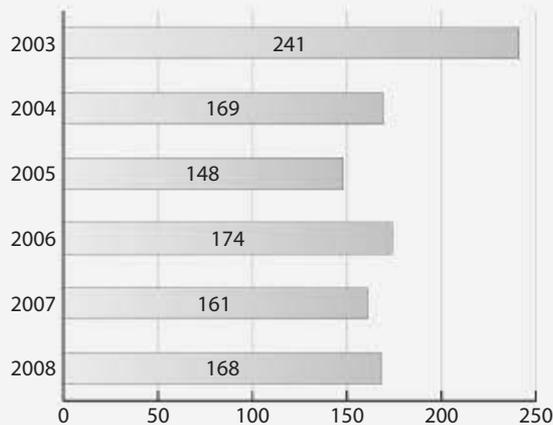
*Those counties in bold represent the top ten counties for PWC boating accidents in 2008.

2008 Personal Watercraft Data

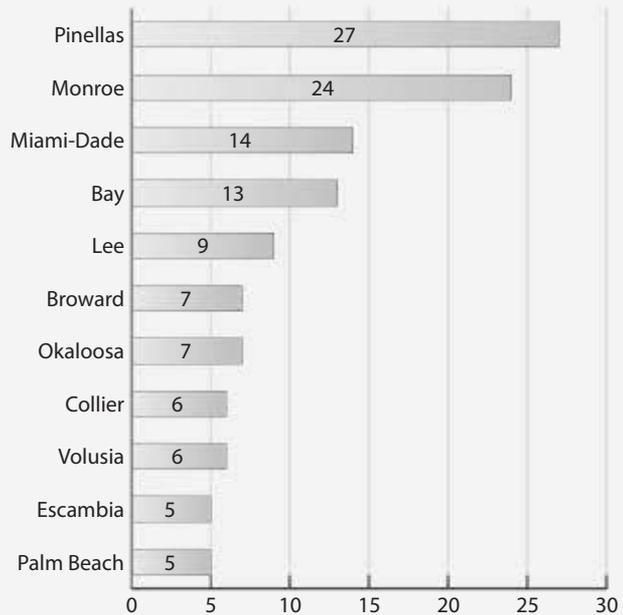
PWC REGISTRATION



PWC ACCIDENTS (2003-2008)



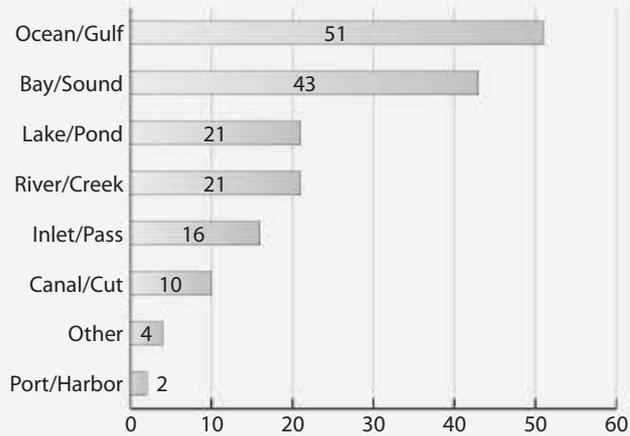
PWC - TOP 10 COUNTIES FOR 2008



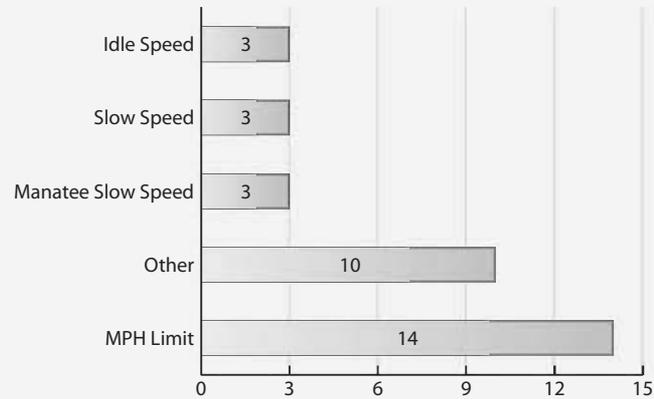
2008 Personal Watercraft Data

54

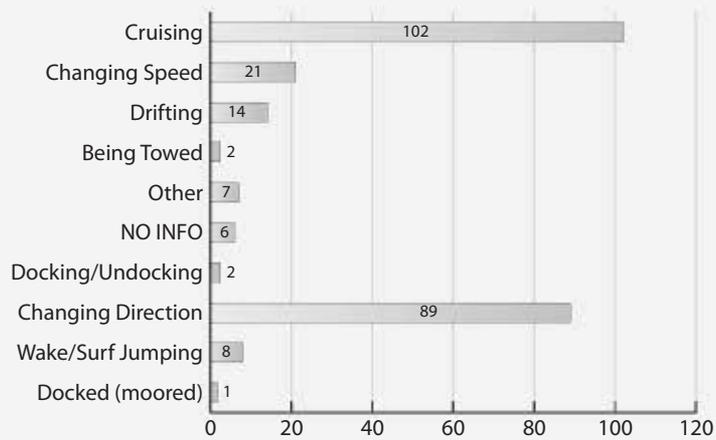
ACCIDENT SITE LOCATION



RESTRICTED AREA ACCIDENTS



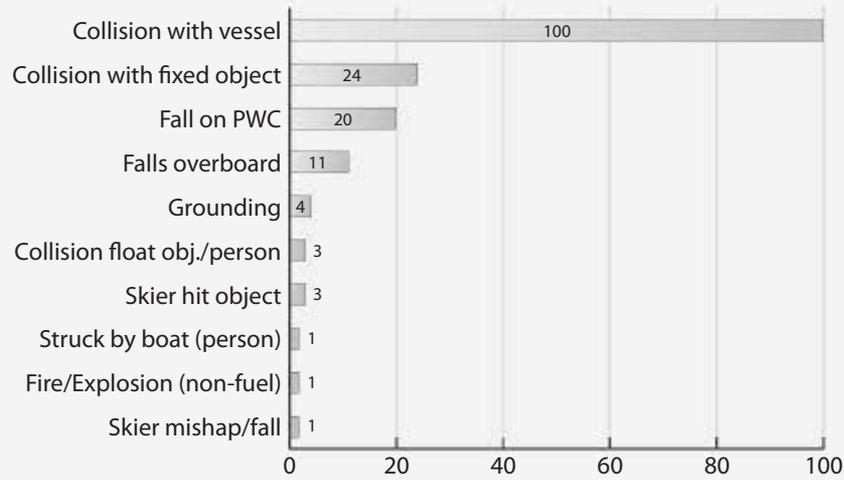
OPERATION AT TIME OF ACCIDENT



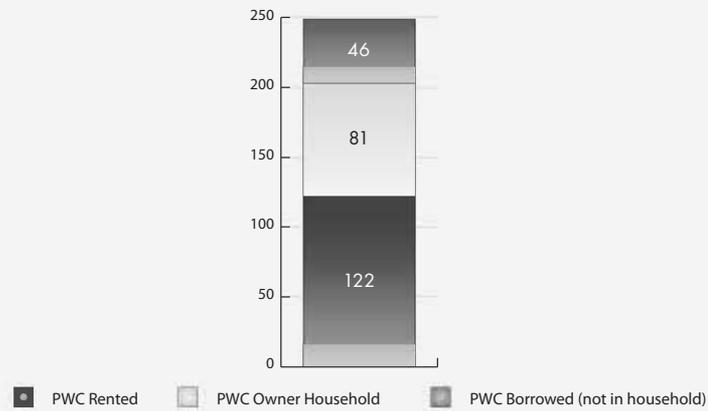
168 PWC ACCIDENTS INVOLVING 252 PWCS

2008 Personal Watercraft Data

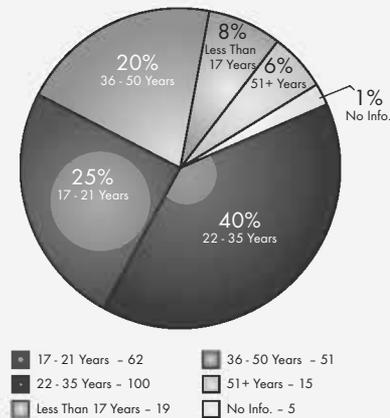
PRIMARY TYPE OF ACCIDENT



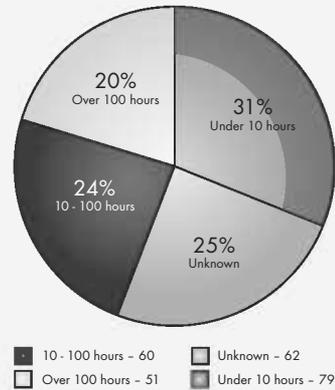
PWC OWNERSHIP



PWC OPERATOR AGE

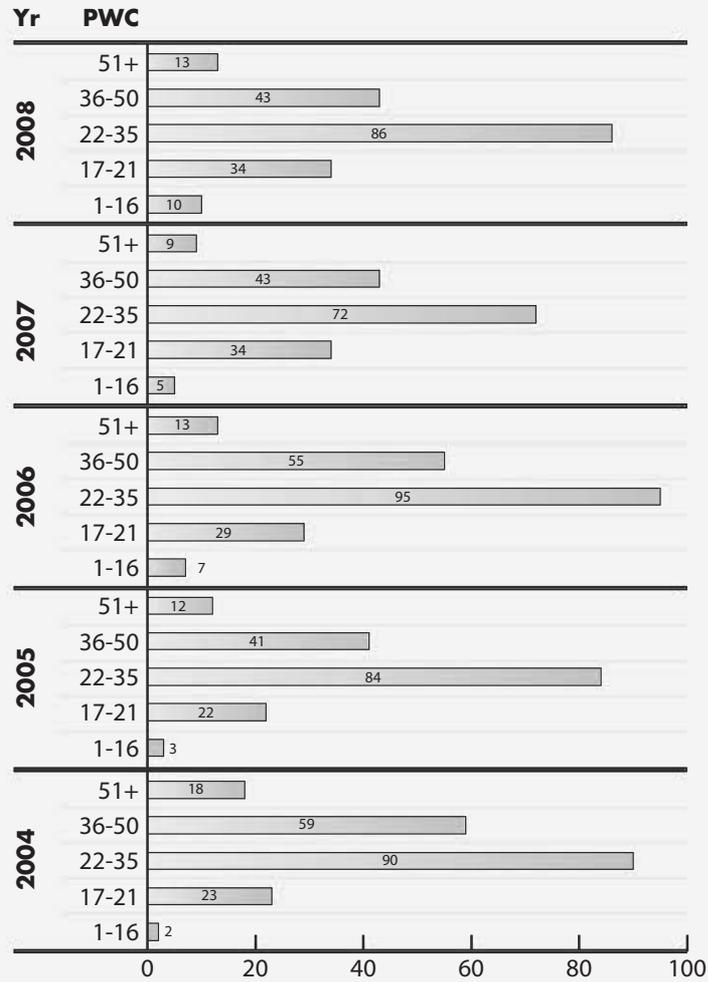


PWC OPERATOR EXPERIENCE

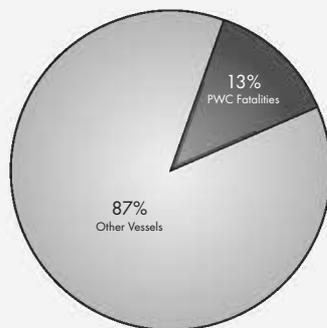


2008 Personal Watercraft Data

PWC OPERATORS BY AGE WITHOUT BOATER EDUCATION (2004-2008)

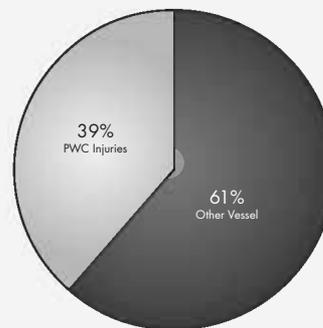


COMPARISONS OF PWC FATALITIES



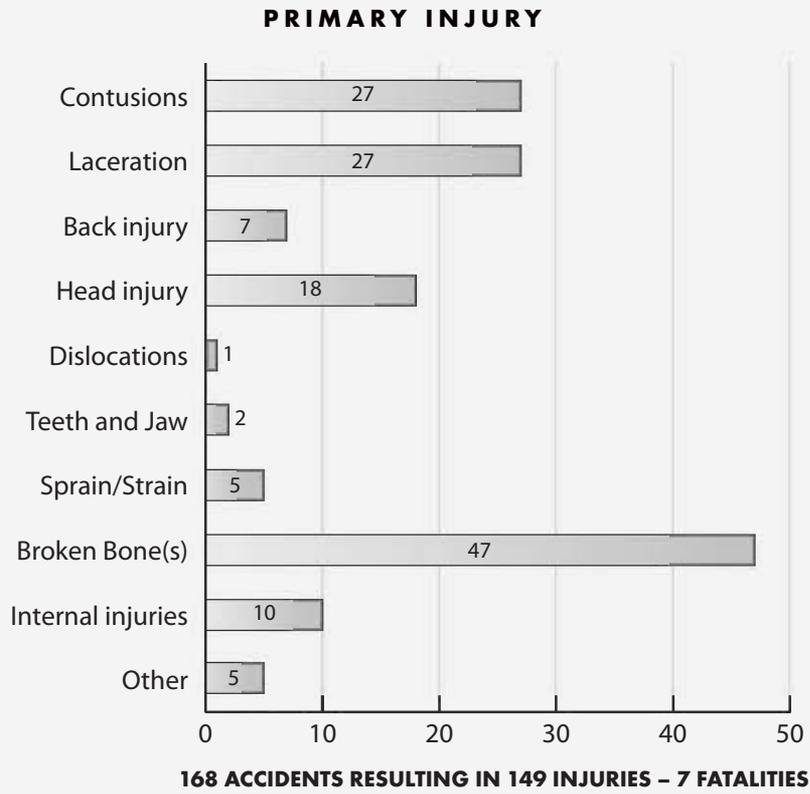
■ PWC Fatalities - 7 ■ Other Vessels - 47

COMPARISONS OF PWC INJURIES

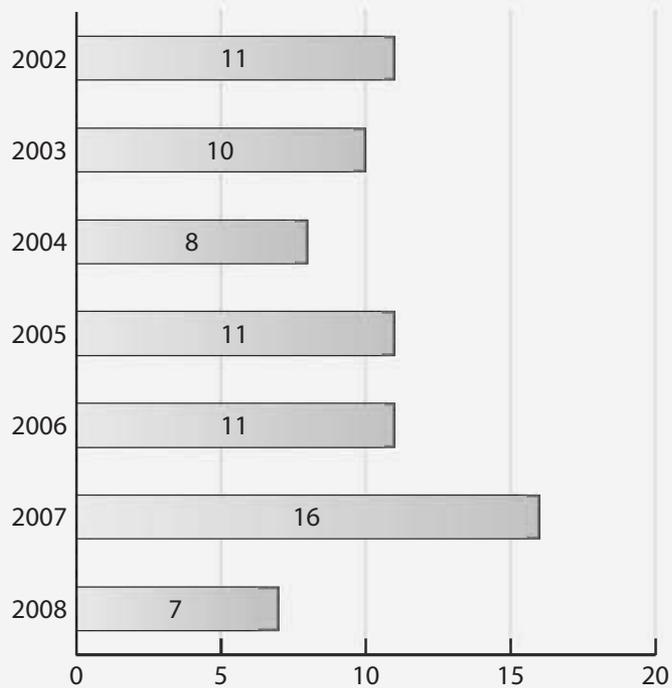


■ PWC Injuries - 149 ■ Other Vessel - 237

2008 Personal Watercraft Data



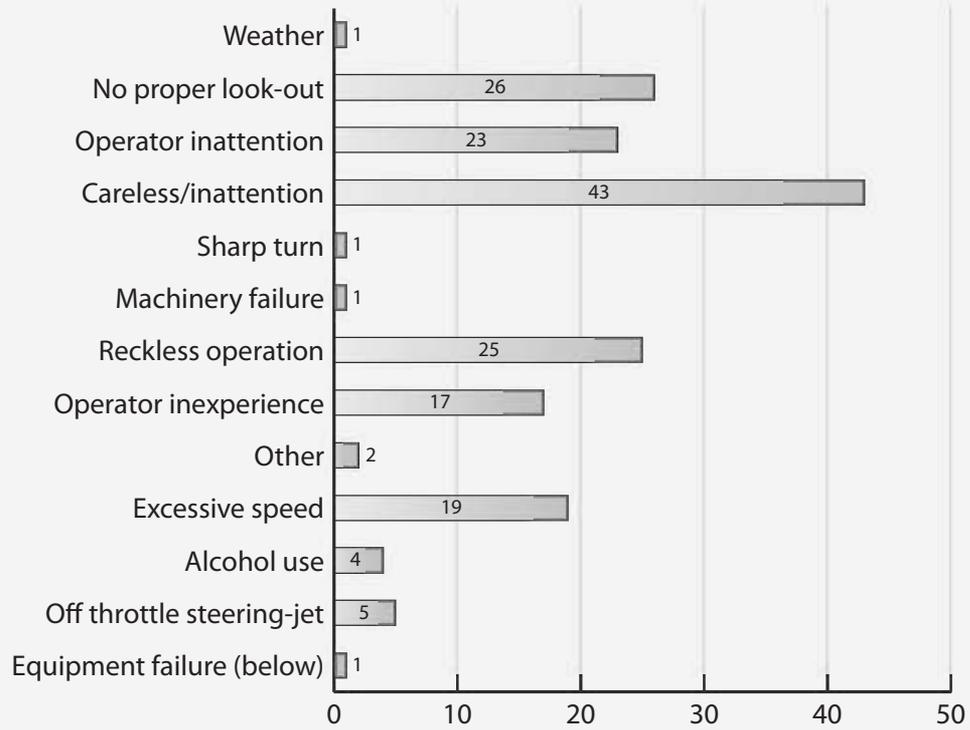
PWC FATALITIES (2002-2008)



2008 Personal Watercraft Data

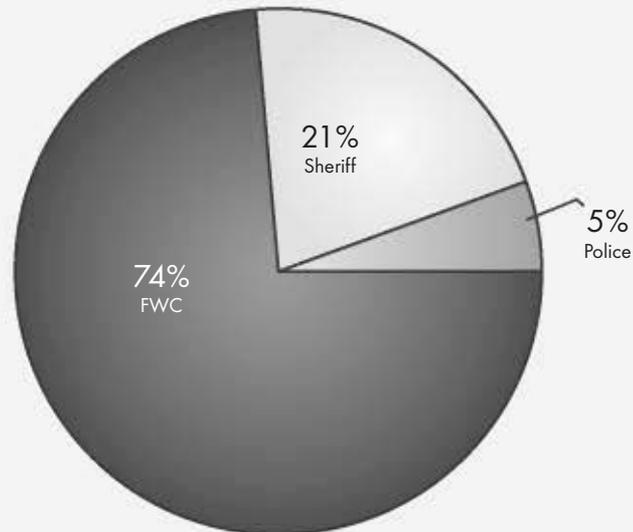
58

PRIMARY CAUSE ASSESSED BY REVIEWING AUTHORITY



168 ACCIDENTS INVOLVING PWCS

INVESTIGATING AGENCY



FWC - 124
Sheriff - 35
Police - 9



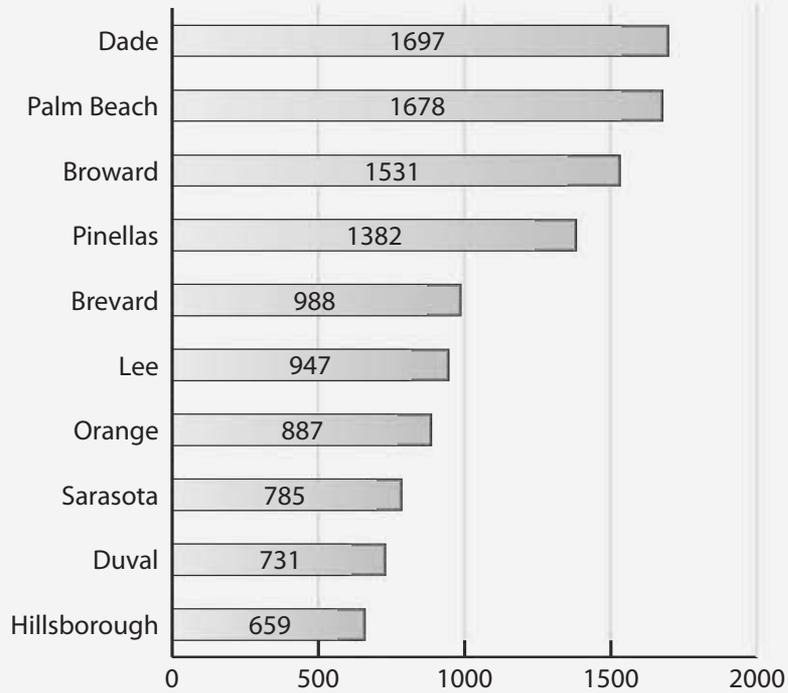
**Florida Fish and Wildlife
Conservation Commission**
Division of Law Enforcement



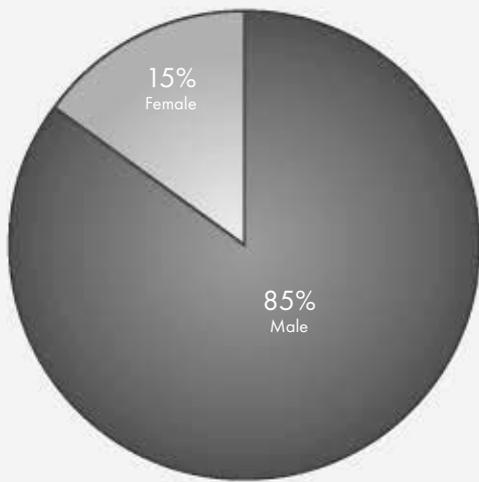
2008 Boating
EDUCATION

2008 Boating Education

TOP 10 COUNTIES — BOATING EDUCATION CARDS ISSUED



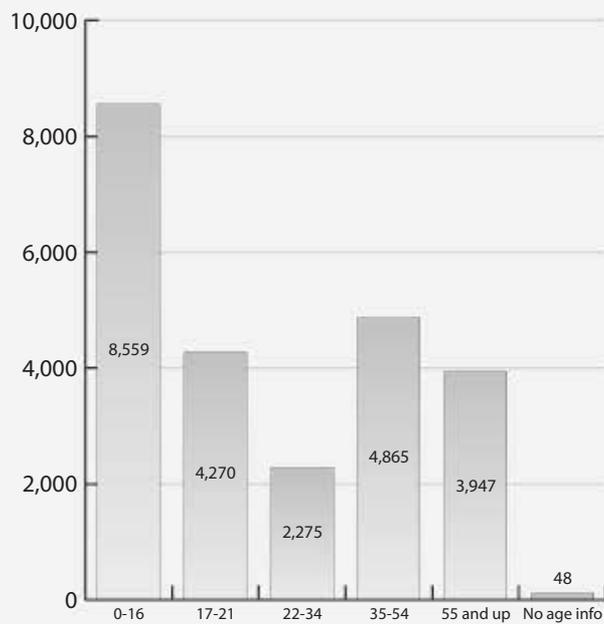
BOATING SAFETY EDUCATION I.D. CARD DISTRIBUTION BY GENDER



Male – 20,434 Female – 3,530

23,964 PERMANENT CARDS ISSUED IN CALENDAR YEAR 2008.

BOATING SAFETY EDUCATION I.D. CARD DISTRIBUTION BY AGE





Florida Fish and Wildlife
Conservation Commission
Division of Law Enforcement



2008 Violation SUMMARY

2008 Violation Summary

2008 UNIFORM BOATING CITATION SUMMARY				
CITATION	2008		2007	
	FWC	Other	FWC	Other
Aids to Navigation and Regulatory Markers.				
Uniform waterway markers for safety and navigation	8	36	19	20
Mooring to or damaging markers or bouys				
Alcohol and Drugs.				
Operation of a vessel under the influence of alcohol	222	54	338	68
Operation of a vessel while impaired				
Boating Restricted Areas.				
Manatee protection rules	2,243	4,628	3,558	4,011
Public safety rules				
Local ordinances				
Boating Safety Education				
Boating safety education I.D. cards	215	203	354	269
Livery Operations.				
Rental without proper safety equipment	5	1	11	4
Rental without boater education				
Rental to persons under 18 years of age				
Negligent Operation of a Vessel.				
Reckless operation of a vessel	1,025	654	1,043	691
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				
Personal Watercraft.				
Personal watercraft regulations	275	215	313	282
Skiing and Diving.				
Skiing, aquaplaning, and parasailing violations	412	174	439	170
Dive flag violations				
Registration and Numbering.				
Operation of unregistered/unnumbered vessels	1,250	1,399	1,701	1,272
Application, certificate, number, or decal violation				
Special manufacturer & dealer numbers				
Violation relating to vessel titling				
Violation relating to Hull Identification Numbers				
Safety Equipment and Regulations.				
Equipment and lighting requirements	3,937	1,572	4,591	1,626
SUB TOTAL	9,592	8,936	12,367	8,413
TOTAL VIOLATIONS RECORDED	18,528		20,780	



Florida Fish and Wildlife
Conservation Commission
Division of Law Enforcement



2008 Top Ten
COUNTIES

2008 Top Ten Counties

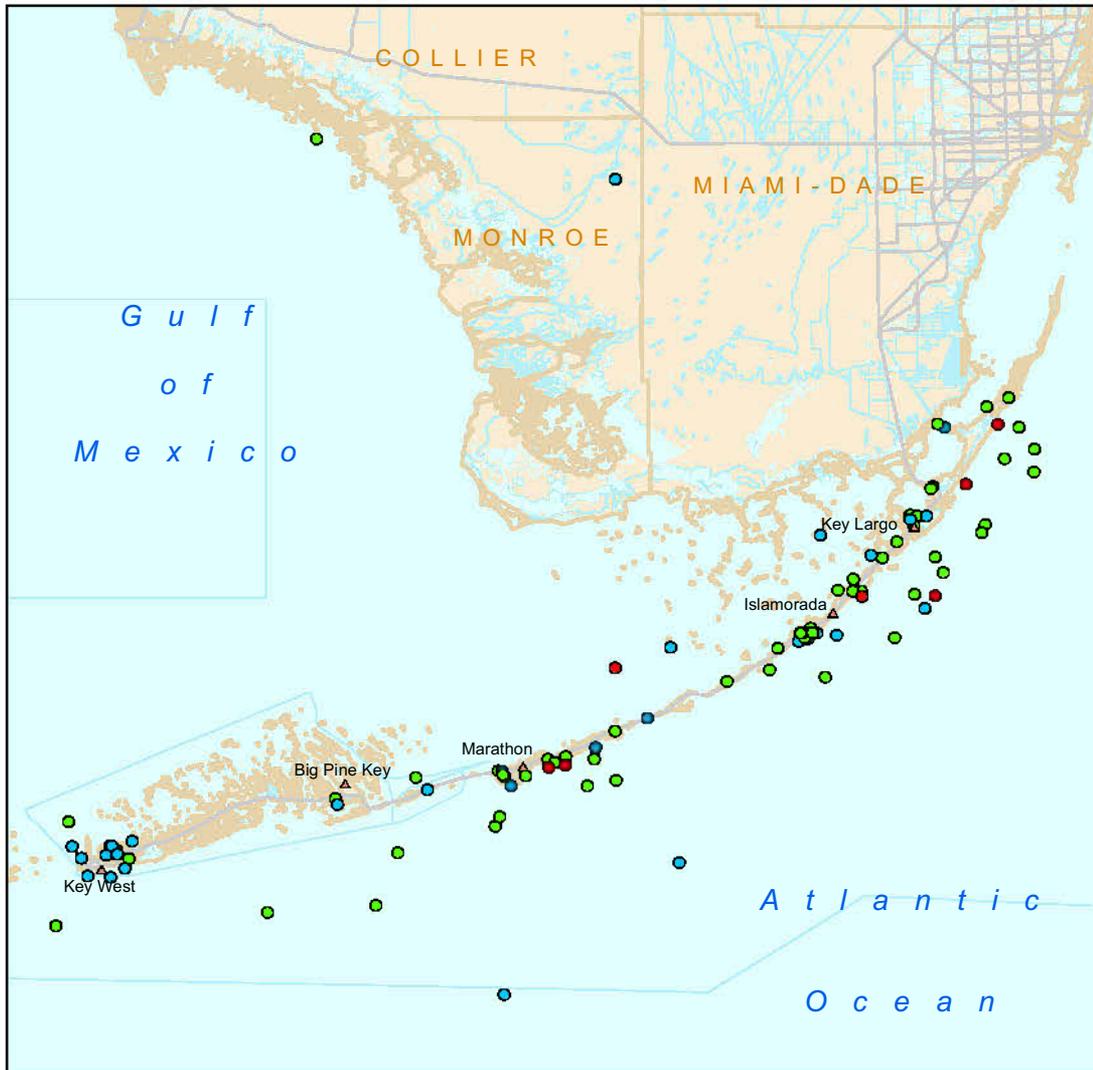
A thorough review of annual boating accident statistics has revealed that **65% of the reportable boating accidents** during the 2008 calendar year occurred in 10 Florida counties.

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 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 & Waterways Section.

2008 Top Ten Counties

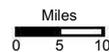
70



Known Locations of Accidents in Monroe County during 2008

Legend

- Fatal Accident (7)
- Accident with Injury (33)
- Accident without Injury (59)
- ▲ City
- Road
- Hydrographic Feature
- County Border

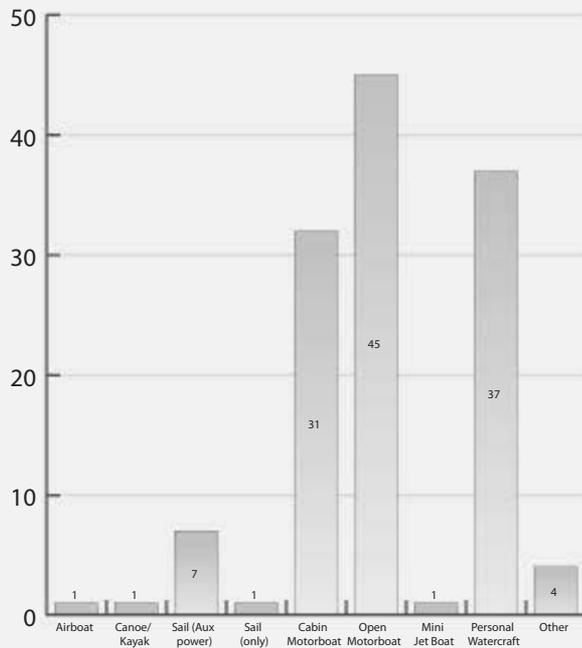


Locational information provided by the Division of Law Enforcement.

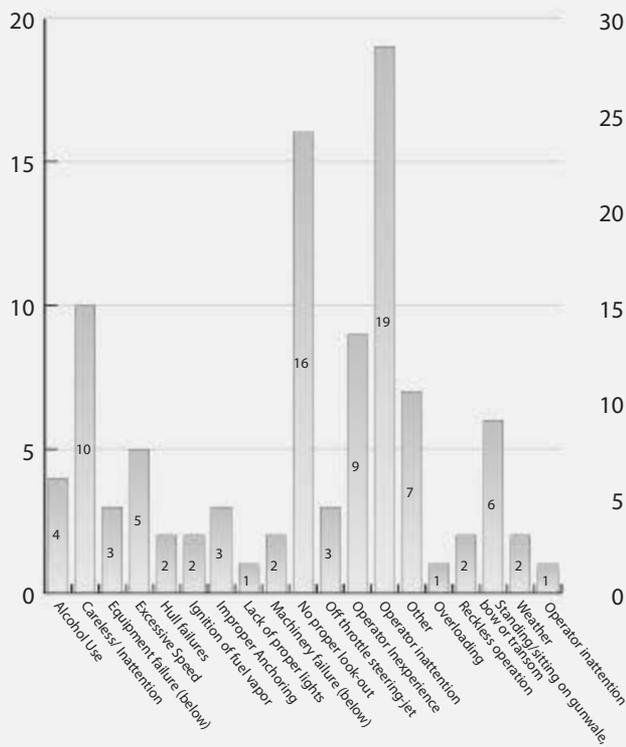


1. Monroe County

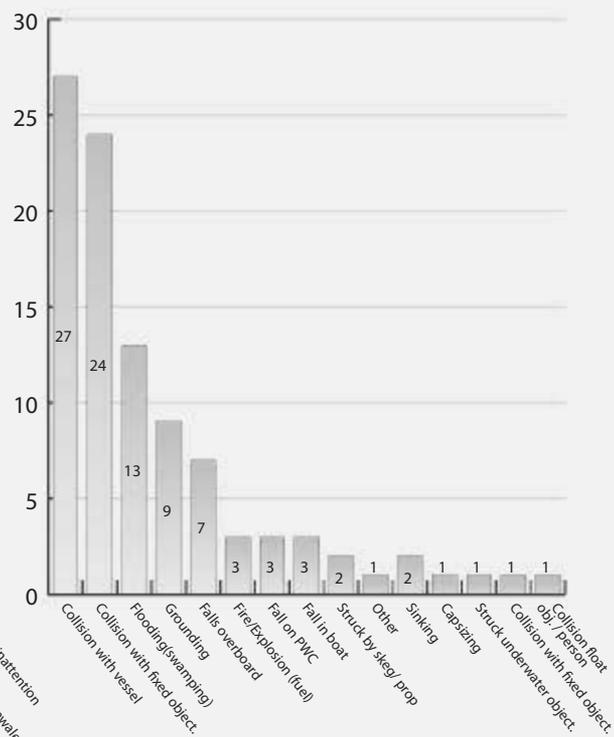
TYPE OF VESSEL



PRIMARY CAUSE OF ACCIDENT

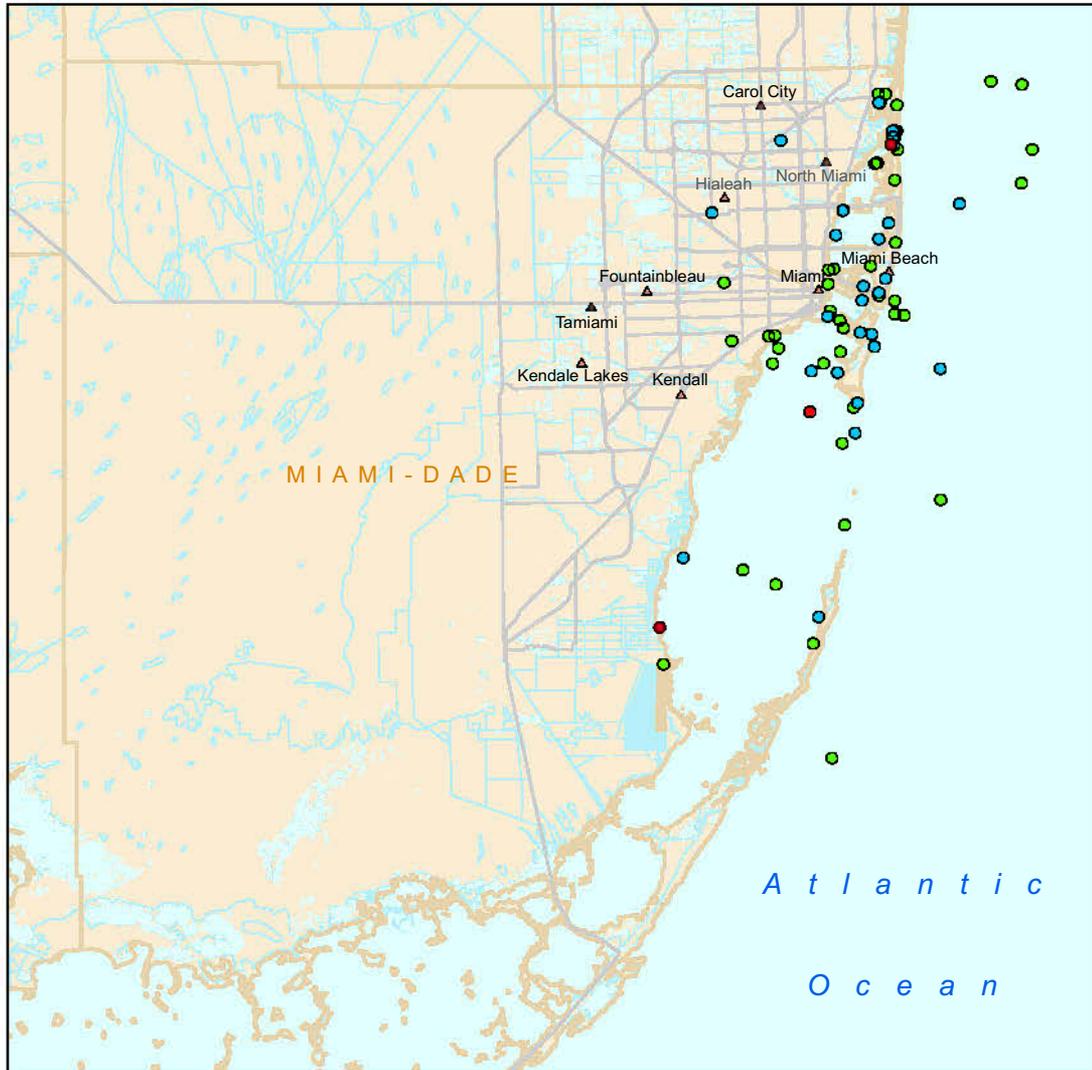


PRIMARY TYPE OF ACCIDENT



2008 Top Ten Counties

72



Known Locations of Accidents in Miami-Dade County during 2008

Legend

- Fatal Accident (3)
- Accident with Injury (28)
- Accident without Injury (46)
- ▲ City
- Road
- Hydrographic Feature
- County Border

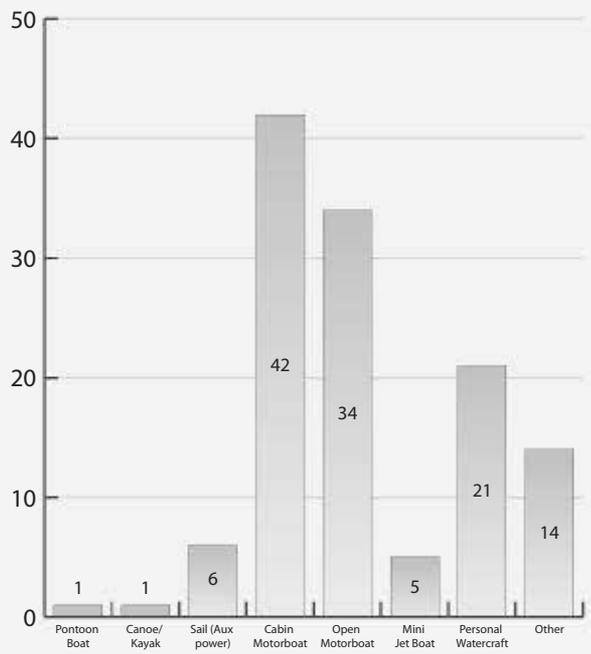


Locational information provided by the Division of Law Enforcement.

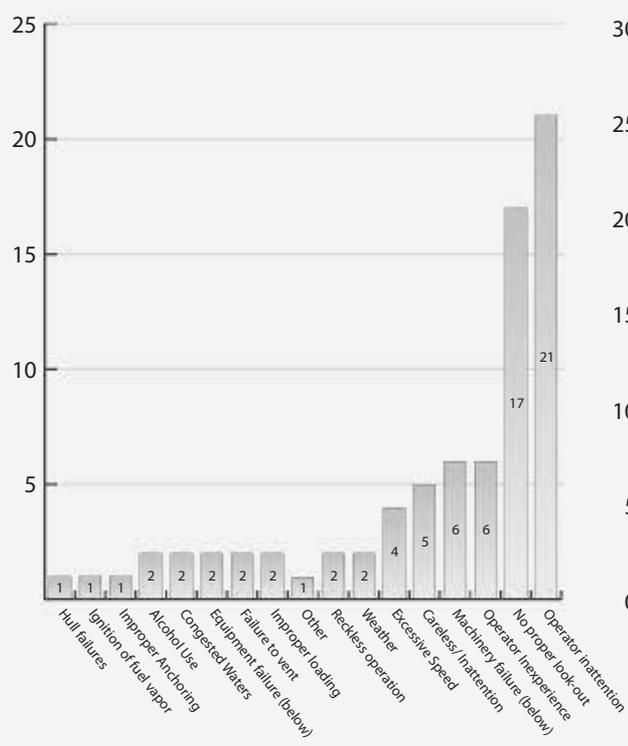


2. Miami-Dade County

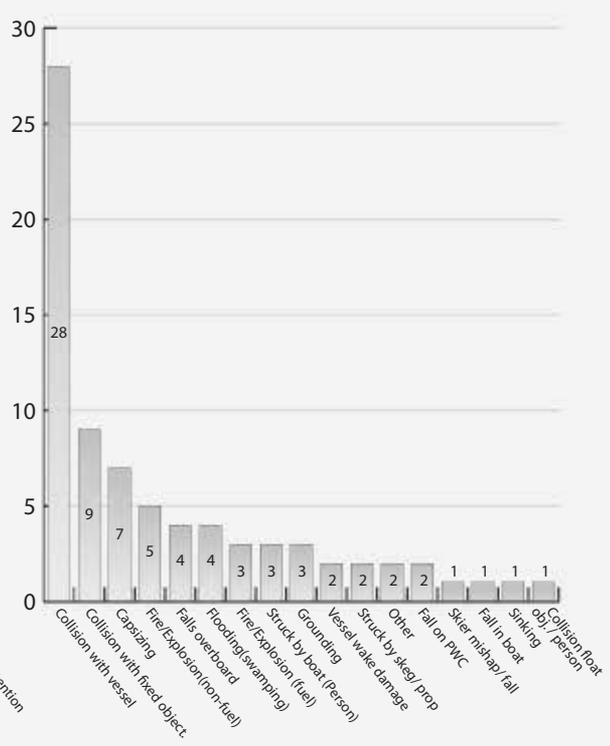
TYPE OF VESSEL



PRIMARY CAUSE OF ACCIDENT



PRIMARY TYPE OF ACCIDENT



2008 Top Ten Counties

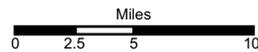
74



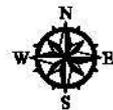
Known Locations of Accidents in Pinellas County during 2008

Legend

- Fatal Accident (2)
- Accident with Injury (19)
- Accident without Injury (30)
- ▲ City
- Road
- ▭ Hydrographic Feature
- ▭ County Border

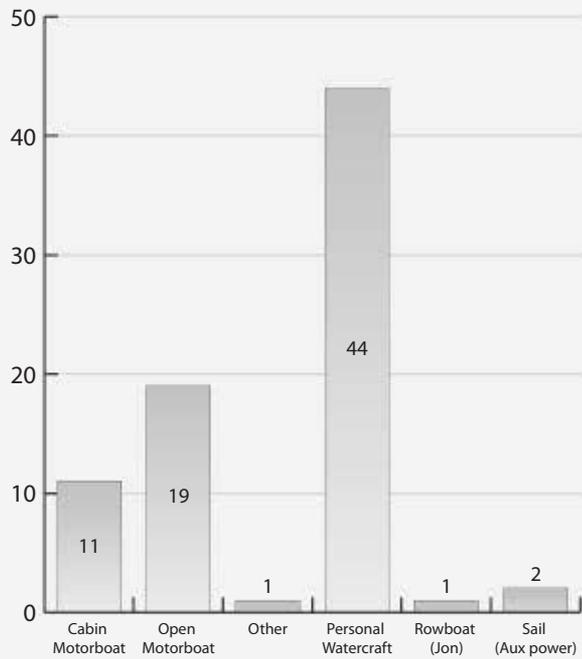


Locational information provided by the Division of Law Enforcement.

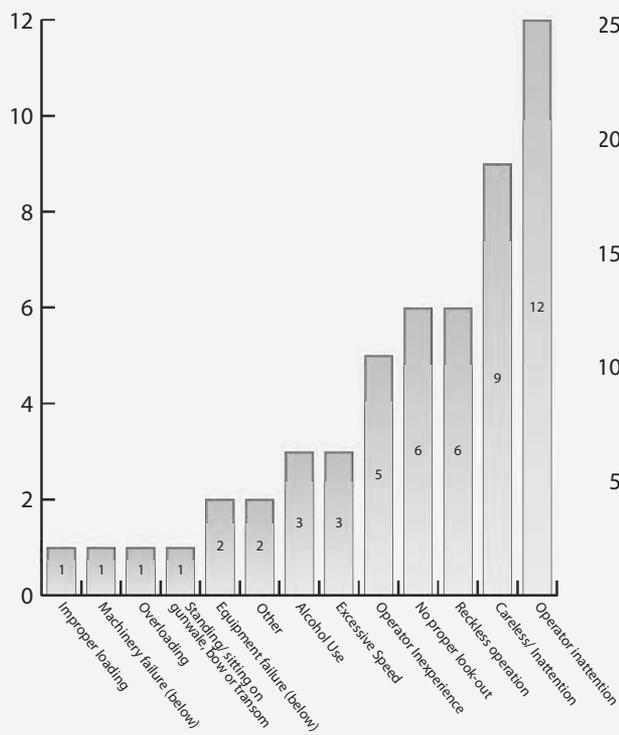


3. Pinellas County

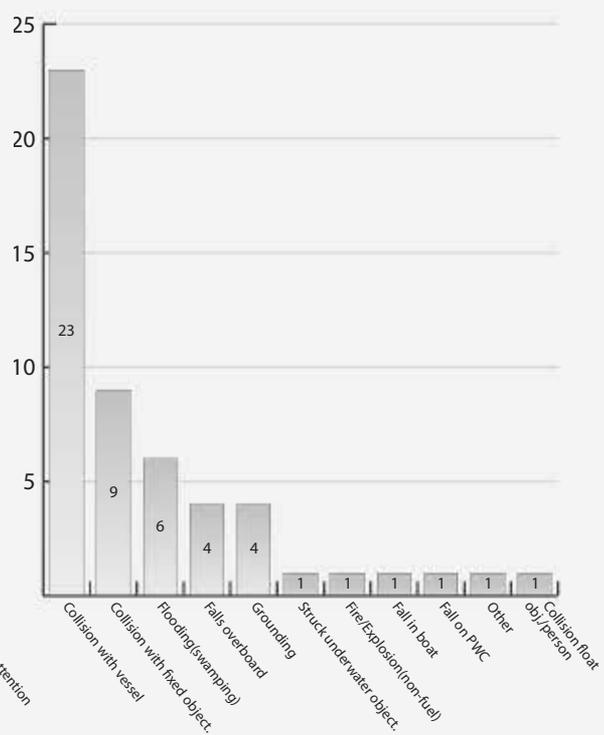
TYPE OF VESSEL



PRIMARY CAUSE OF ACCIDENT

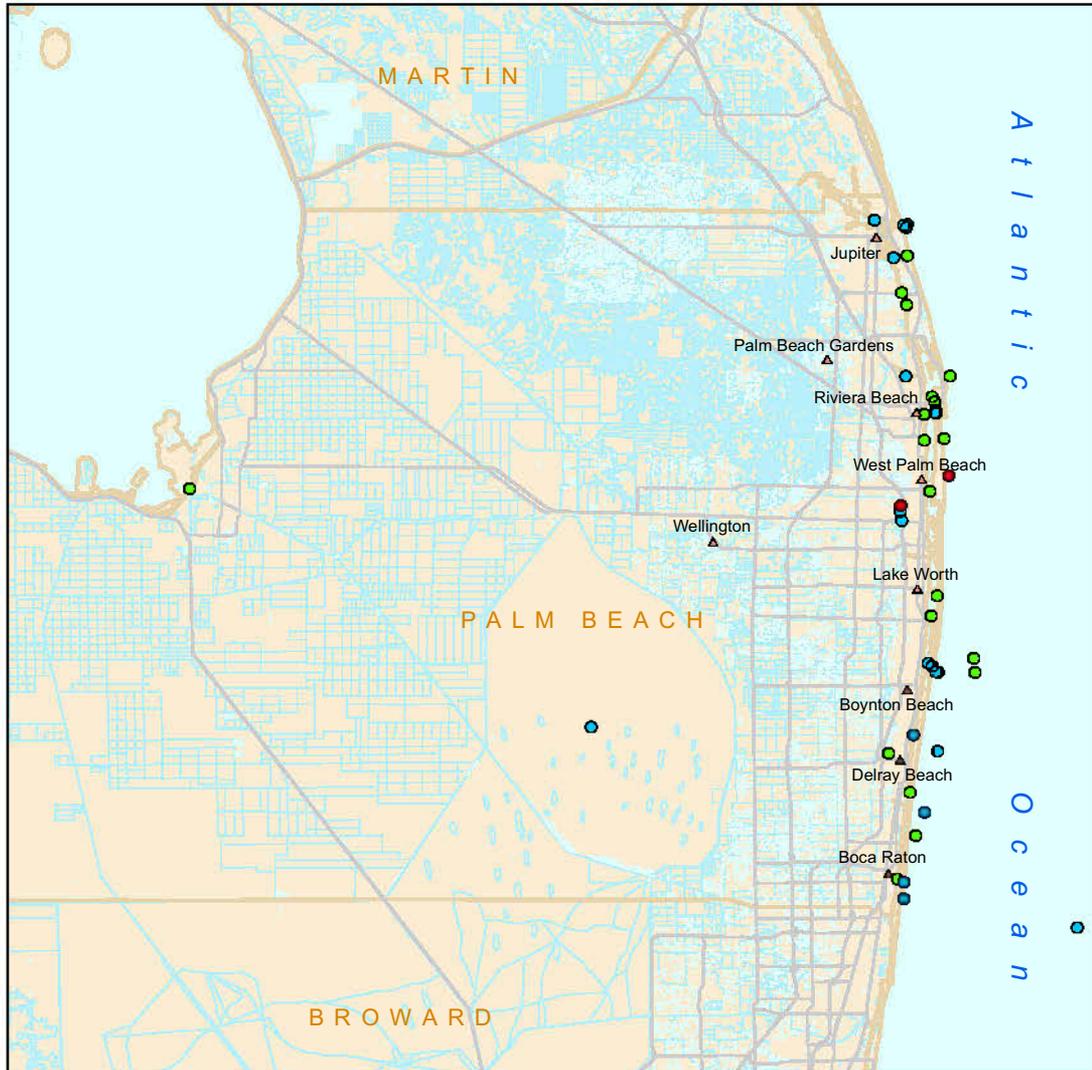


PRIMARY TYPE OF ACCIDENT



2008 Top Ten Counties

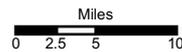
76



Known Locations of Accidents in Palm Beach County during 2008

Legend

- Fatal Accident (2)
- Accident with Injury (19)
- Accident without Injury (23)
- ▲ City
- Road
- ▭ Hydrographic Feature
- ▭ County Border

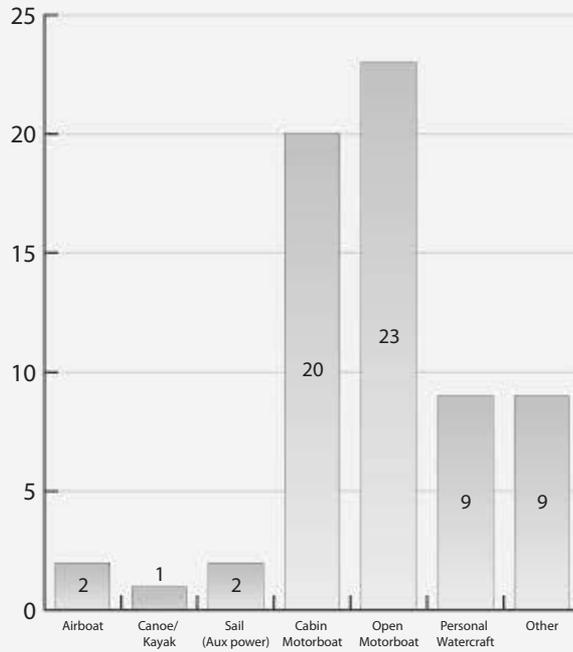


Locational information provided by the Division of Law Enforcement.

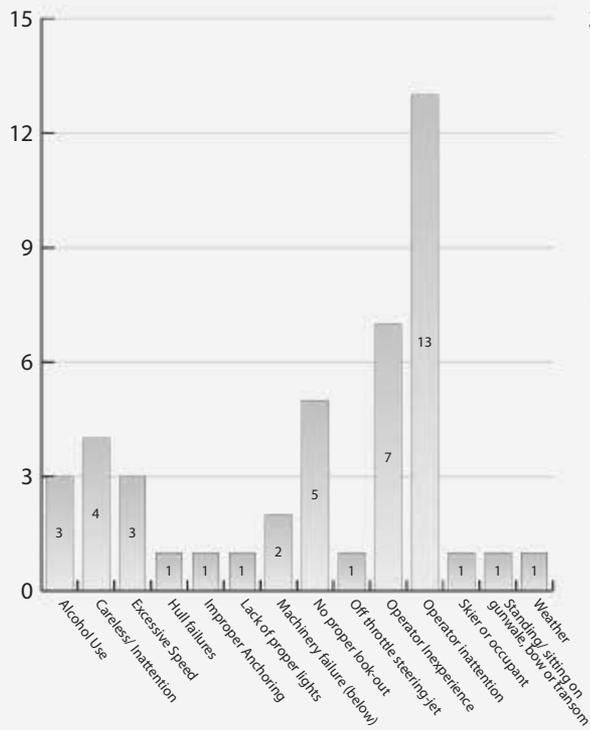


4. Palm Beach County

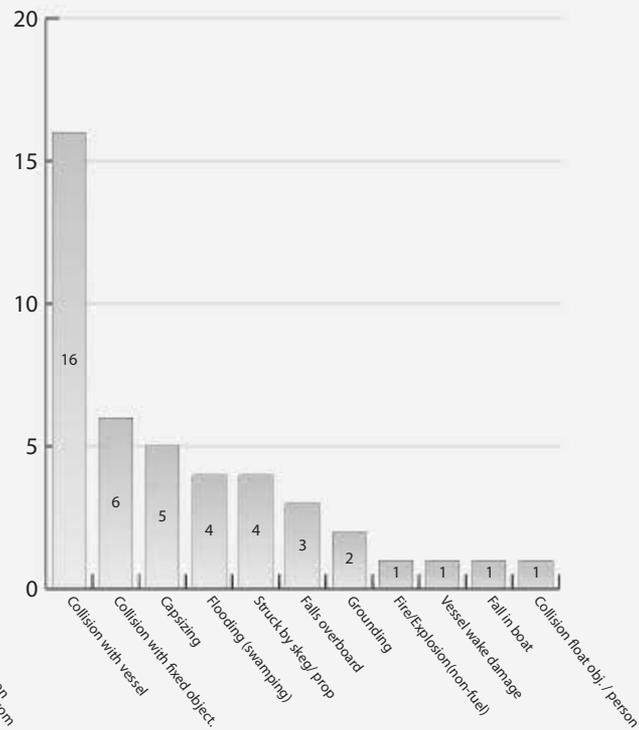
TYPE OF VESSEL



PRIMARY CAUSE OF ACCIDENT

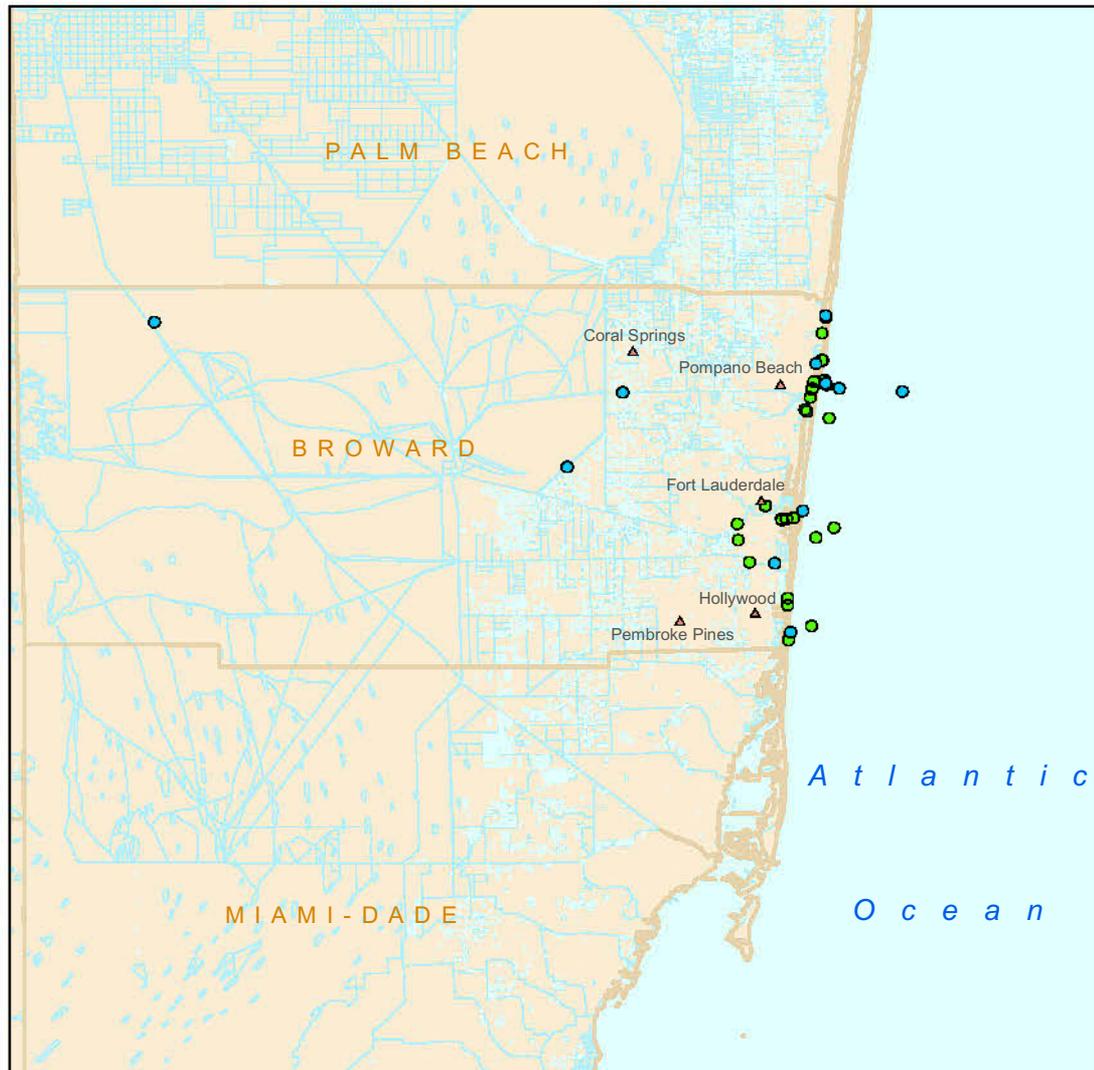


PRIMARY TYPE OF ACCIDENT



2008 Top Ten Counties

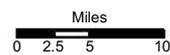
78



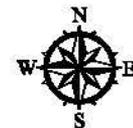
Known Locations of Accidents in Broward County during 2008

Legend

- Fatal Accident (0)
- Accident with Injury (11)
- Accident without Injury (29)
- ▲ City
- Road
- Hydrographic Feature
- County Border

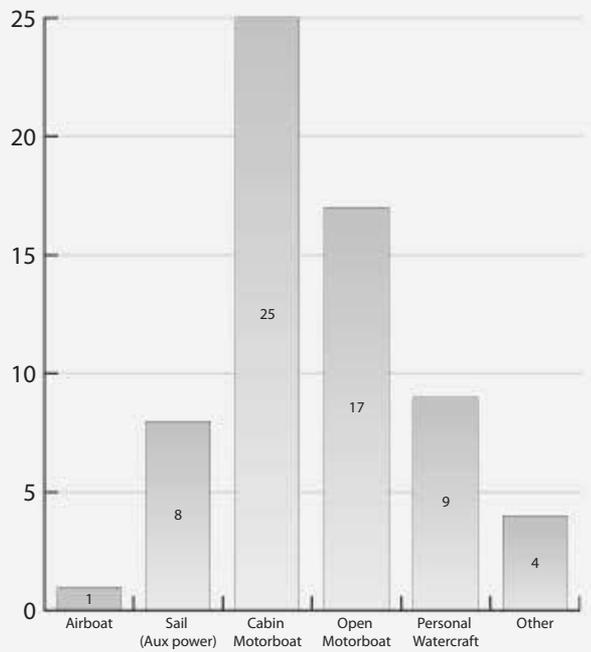


Locational information provided by the Division of Law Enforcement.

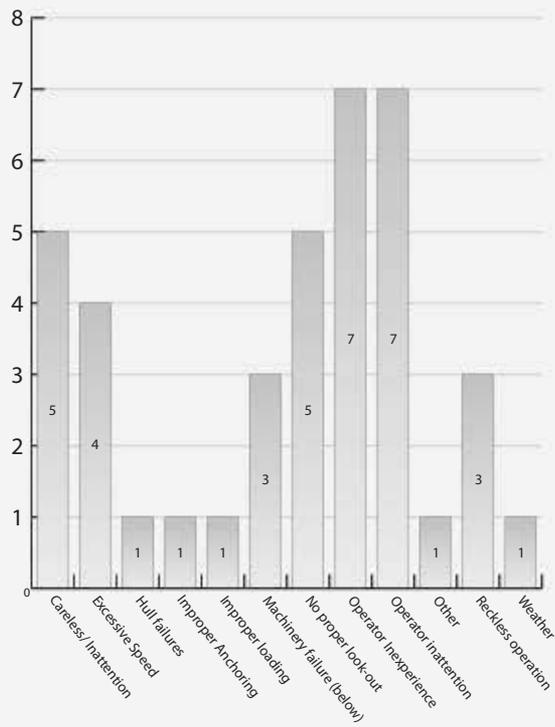


5. Broward County

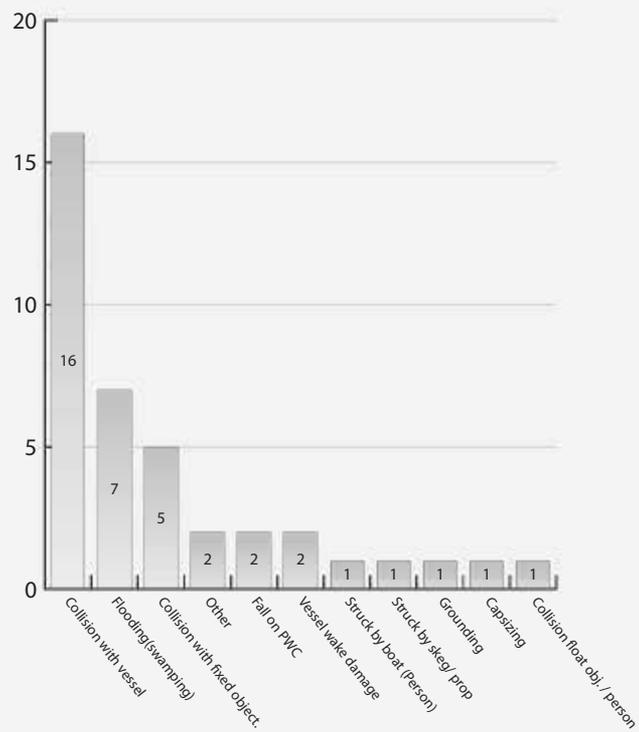
TYPE OF VESSEL



PRIMARY CAUSE OF ACCIDENT

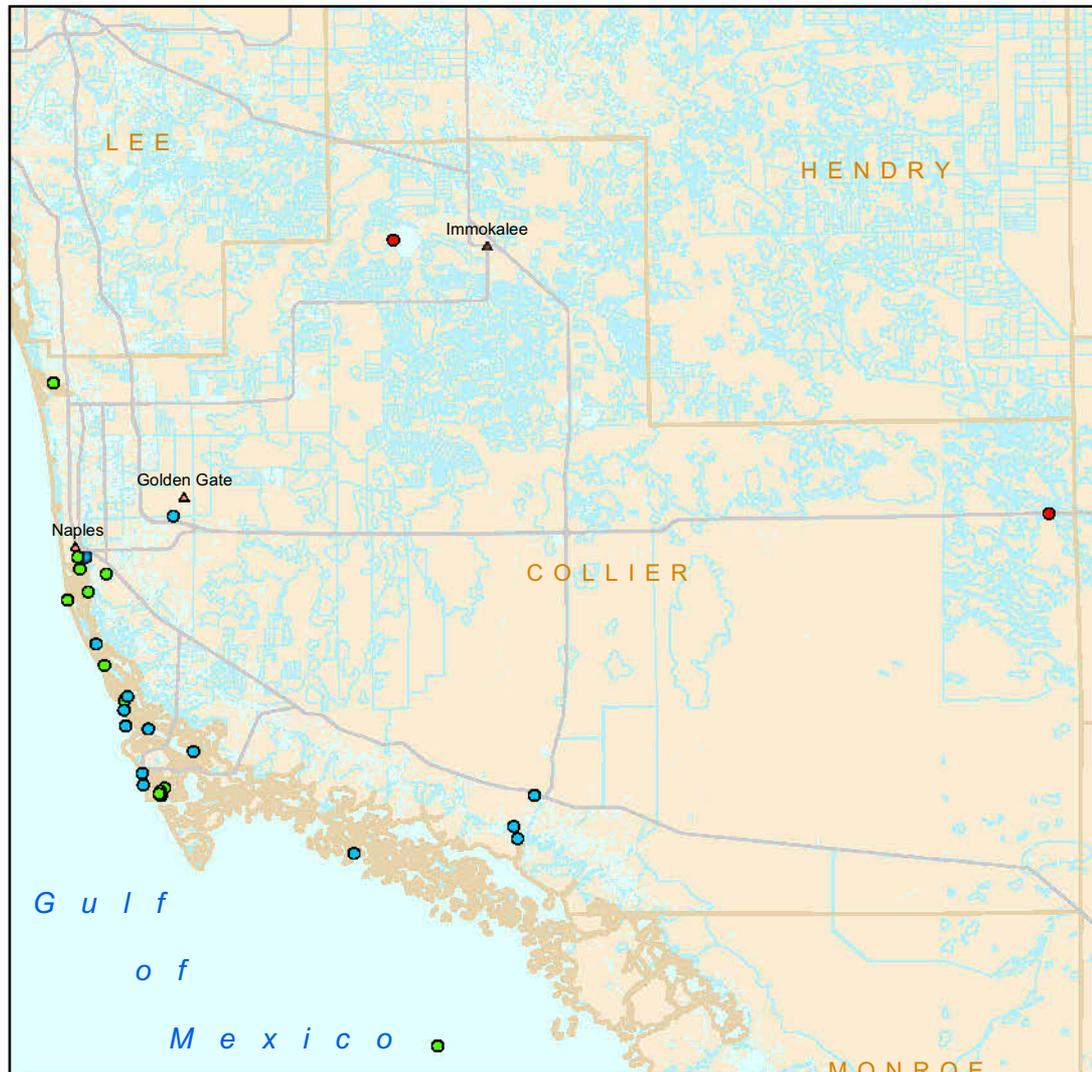


PRIMARY TYPE OF ACCIDENT



2008 Top Ten Counties

80



Known Locations of Accidents in Collier County during 2008

Legend

- Fatal Accident (2)
- Accident with Injury (15)
- Accident without Injury (13)
- ▲ City
- Road
- Hydrographic Feature
- County Border

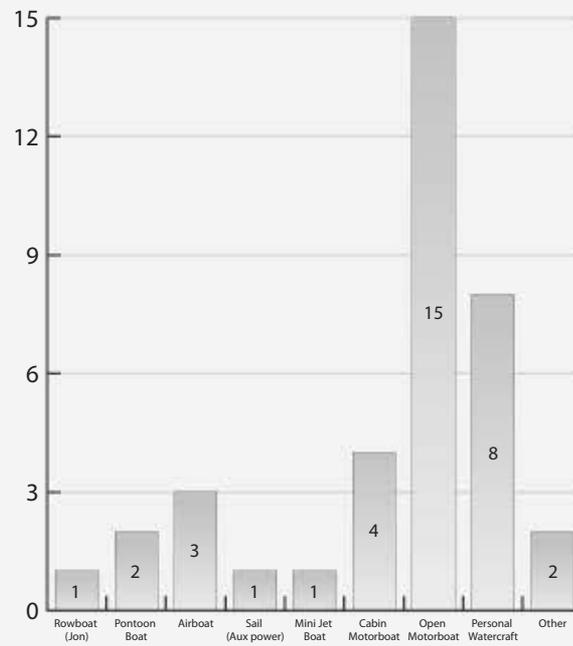


Locational information provided by the Division of Law Enforcement.

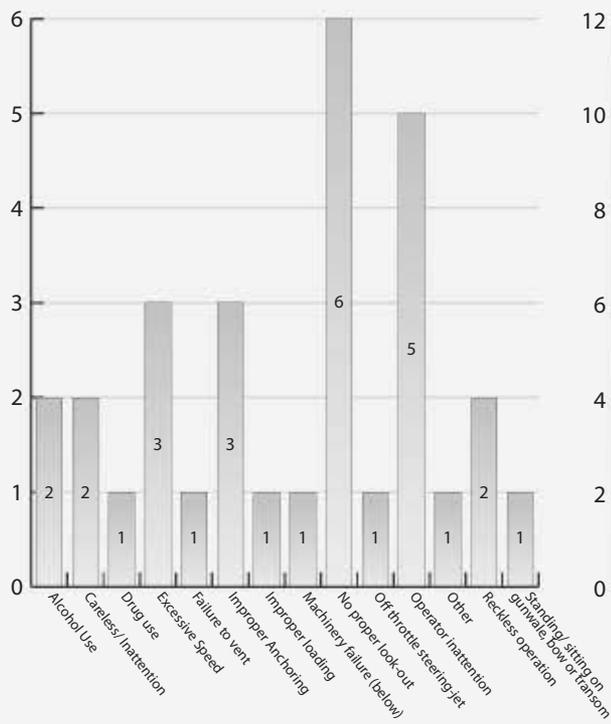


6. Collier County

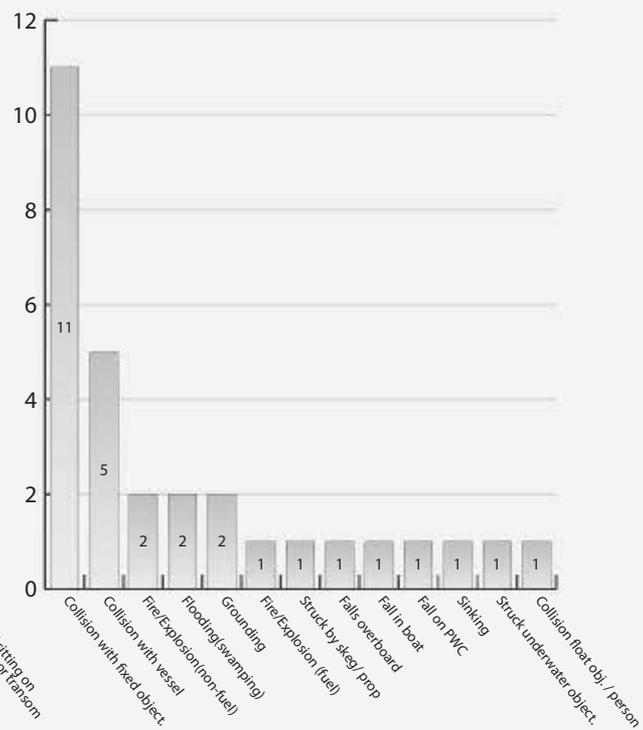
TYPE OF VESSEL



PRIMARY CAUSE OF ACCIDENT



PRIMARY TYPE OF ACCIDENT



2008 Top Ten Counties

82



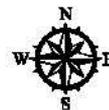
Known Locations of Accidents in Bay County during 2008

Legend

- Fatal Accident (0)
- Accident with Injury (13)
- Accident without Injury (13)
- ▲ City
- Road
- Hydrographic Feature
- County Boundary

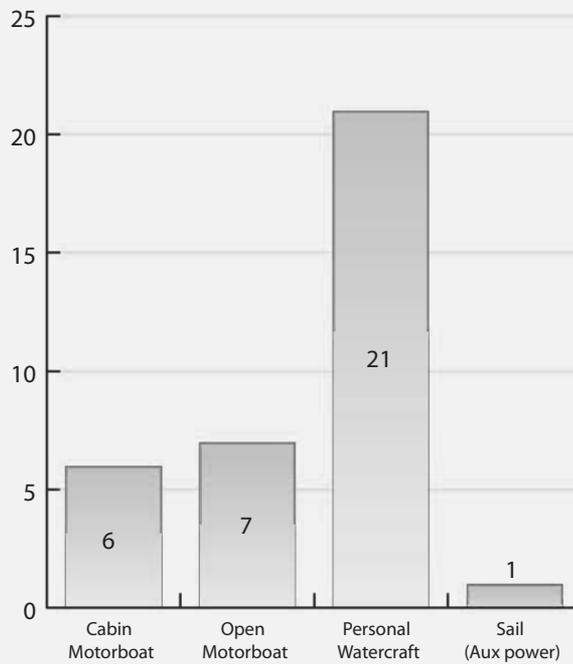


Locational information provided by the Division of Law Enforcement.

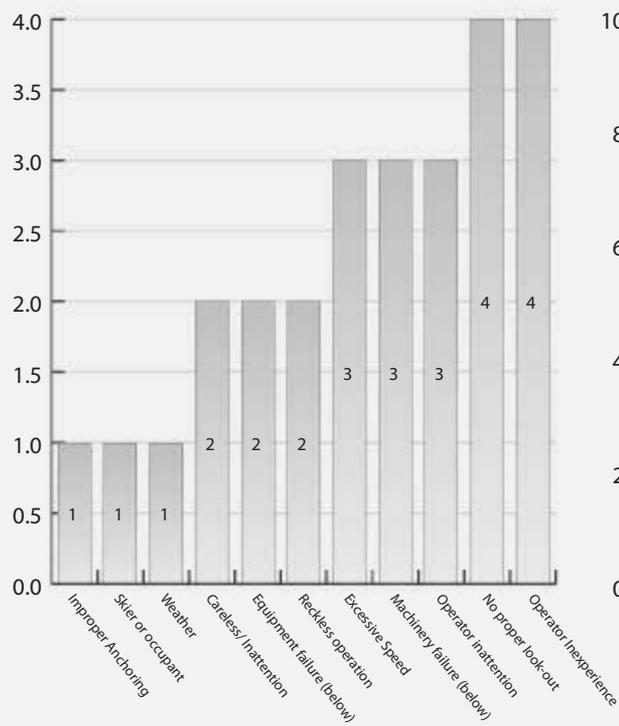


7. Bay County

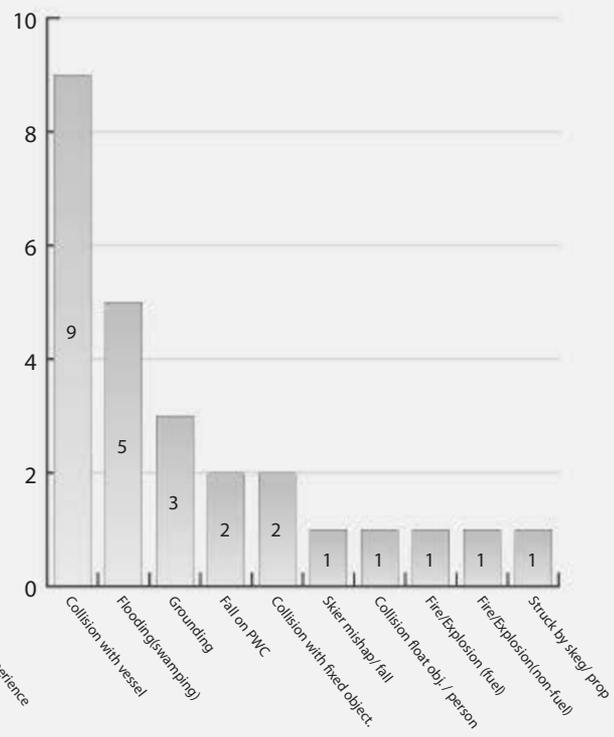
TYPE OF VESSEL



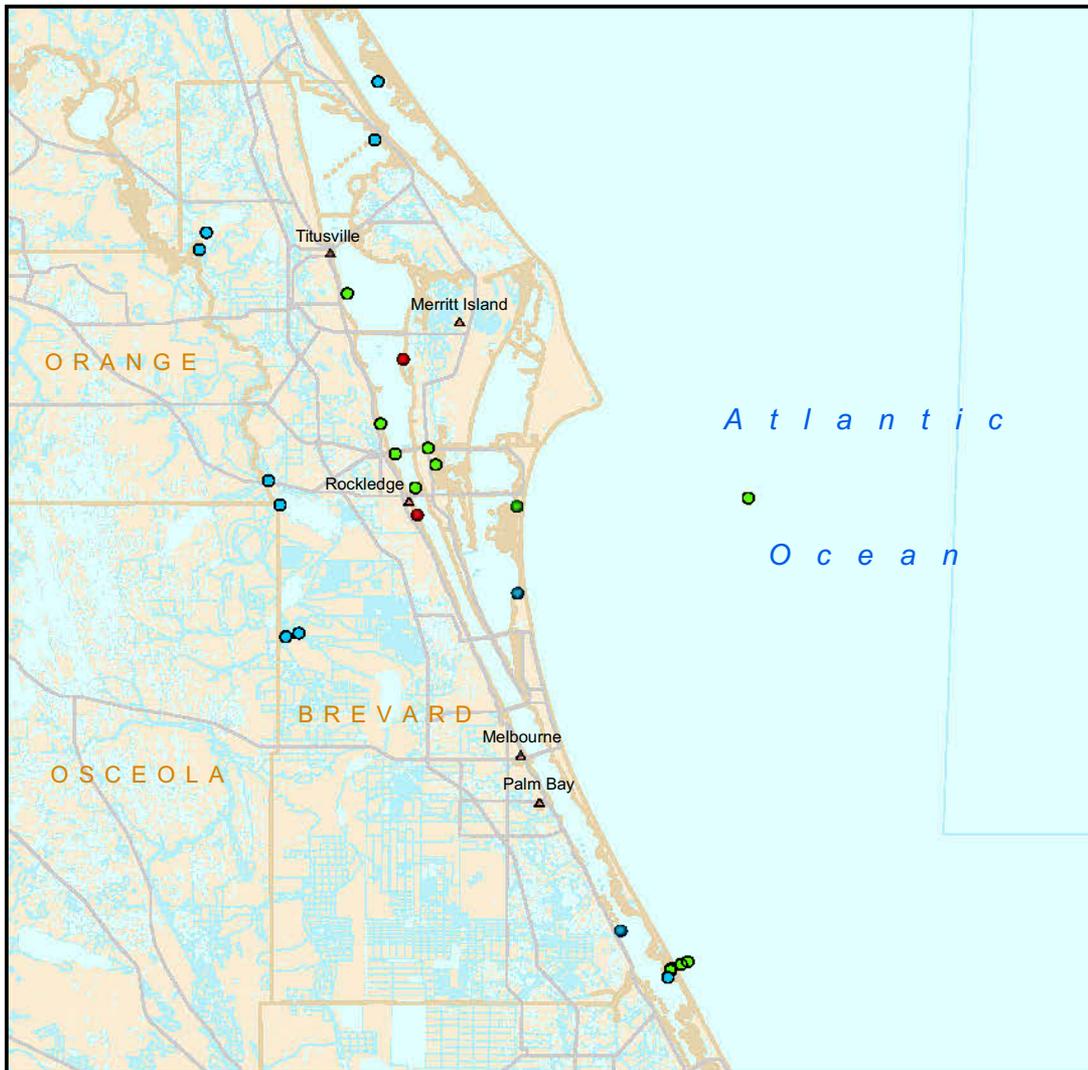
PRIMARY CAUSE OF ACCIDENT



PRIMARY TYPE OF ACCIDENT



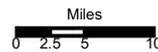
2008 Top Ten Counties



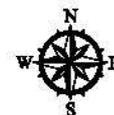
Known Locations of Accidents in Brevard County during 2008

Legend

- Fatal Accident (2)
- Accident with Injury (11)
- Accident without Injury (13)
- ▲ City
- Road
- ▭ Hydrographic Feature
- ▭ County Boundary

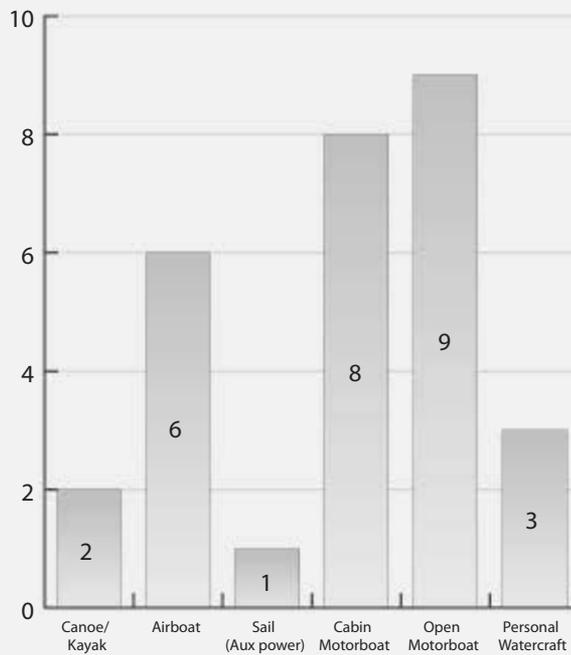


Locational information provided by the Division of Law Enforcement.

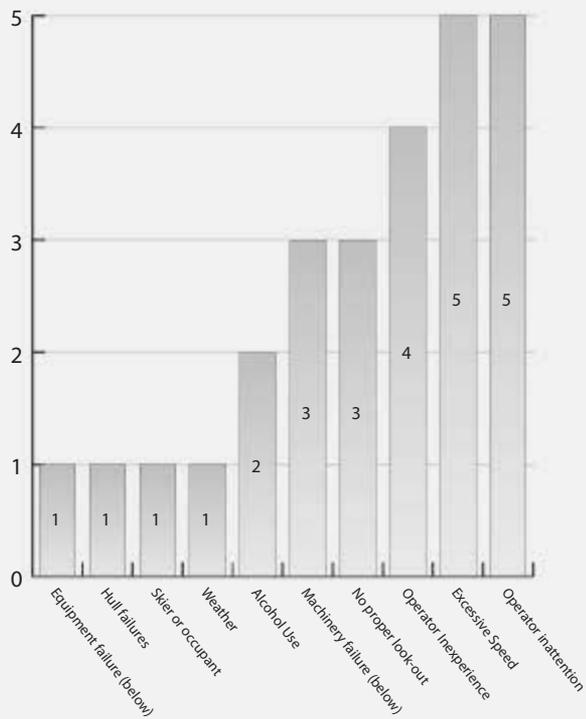


8. Brevard County

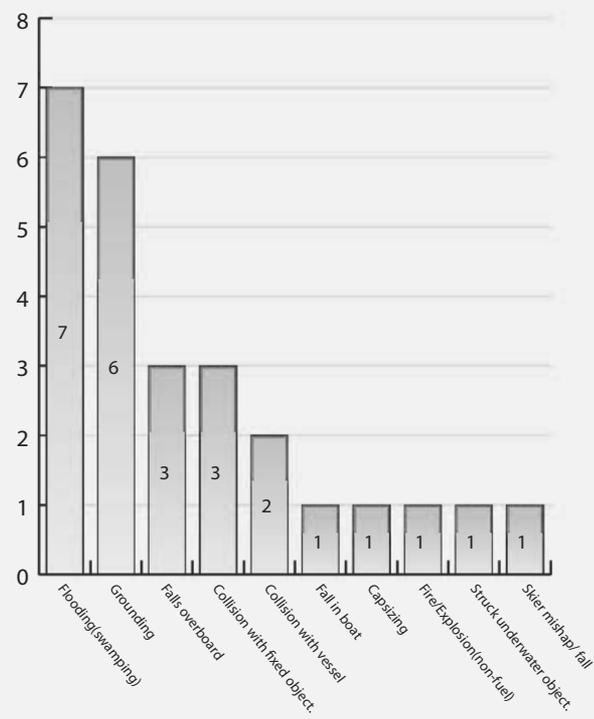
TYPE OF VESSEL



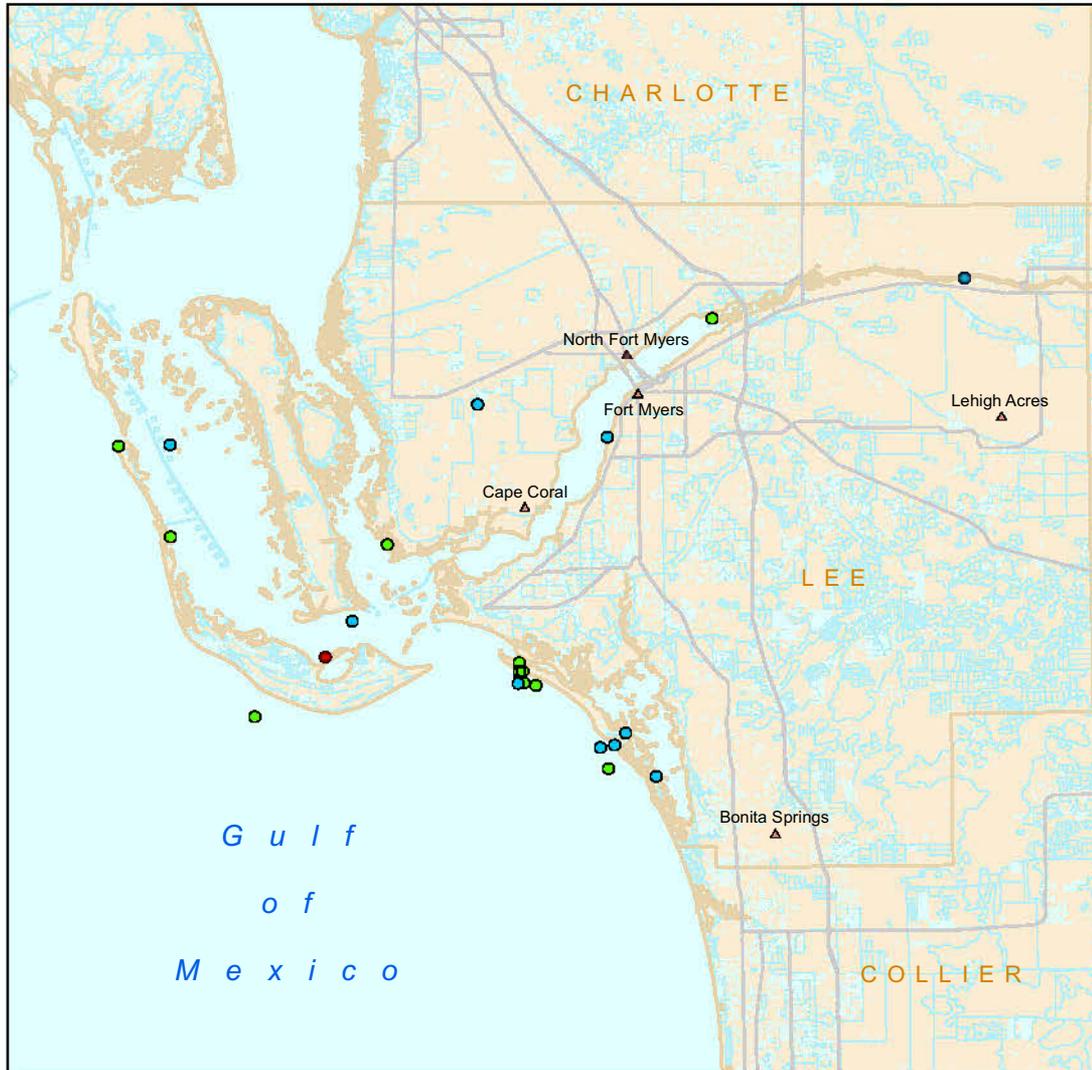
PRIMARY CAUSE OF ACCIDENT



PRIMARY TYPE OF ACCIDENT



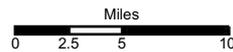
2008 Top Ten Counties



Known Locations of Accidents in Lee County during 2008

Legend

- Fatal Accident (1)
- Accident with Injury (10)
- Accident without Injury (11)
- ▲ City
- Road
- Hydrographic Feature
- County Border

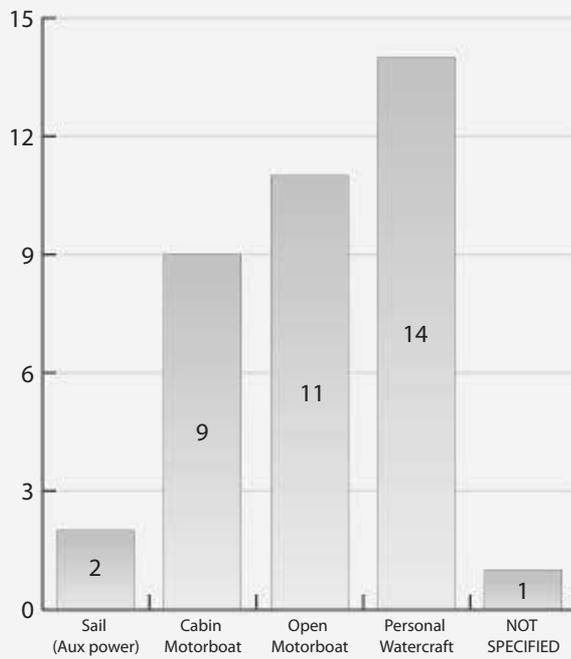


Locational information provided by the Division of Law Enforcement.

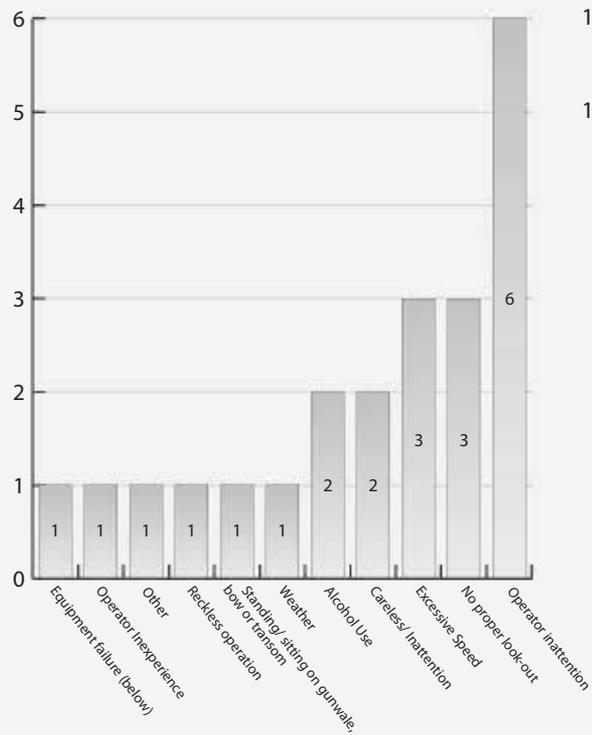


9. Lee County

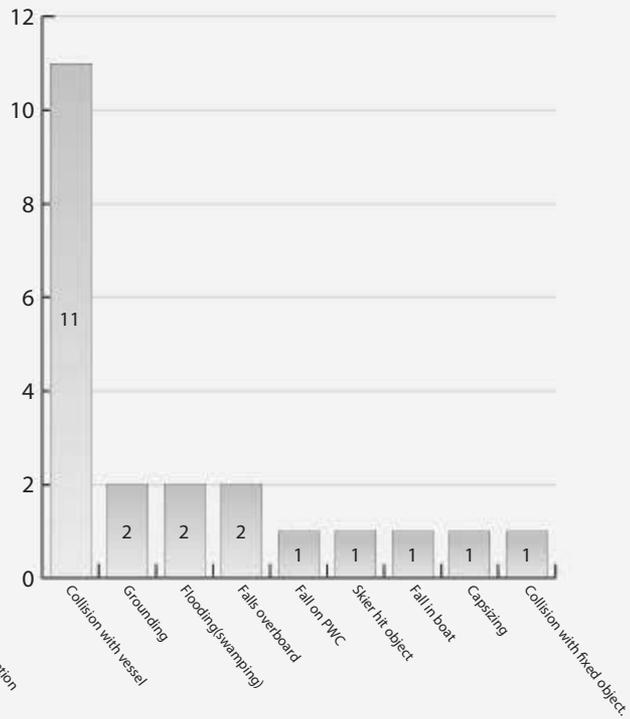
TYPE OF VESSEL



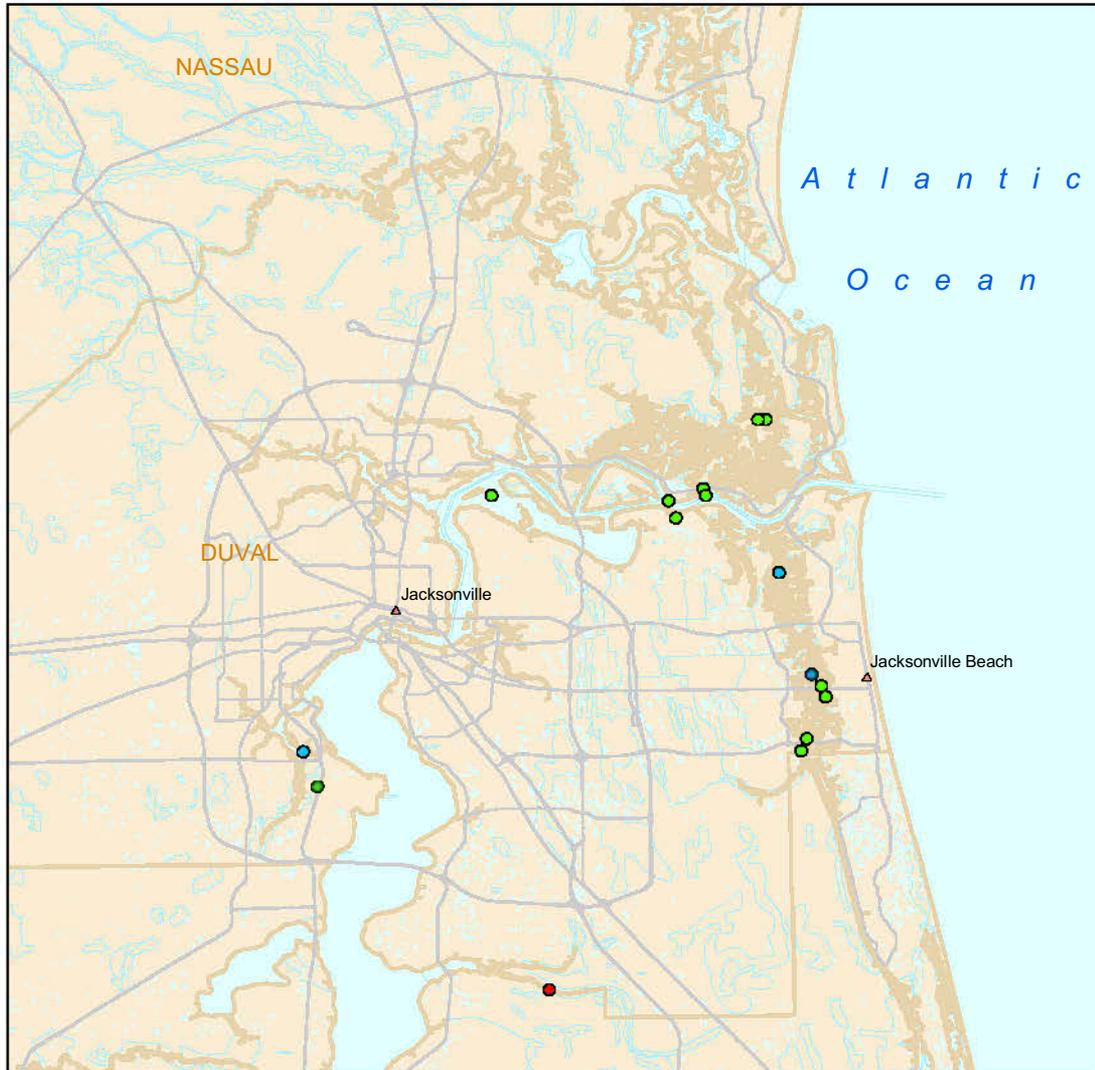
PRIMARY CAUSE OF ACCIDENT



PRIMARY TYPE OF ACCIDENT



2008 Top Ten Counties



Known Locations of Accidents in Duval County during 2008

Legend

- Fatal Accident (1)
- Accident with Injury (3)
- Accident without Injury (12)
- ▲ City
- Road
- Hydrographic Feature
- County Border

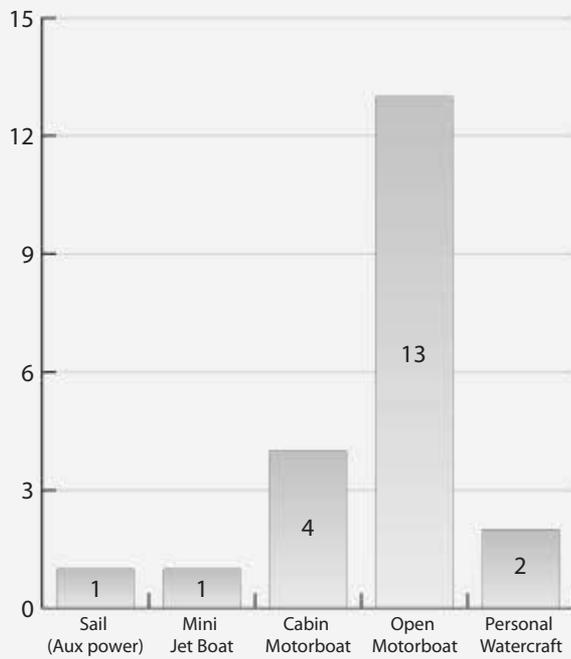


Locational information provided by the Division of Law Enforcement.

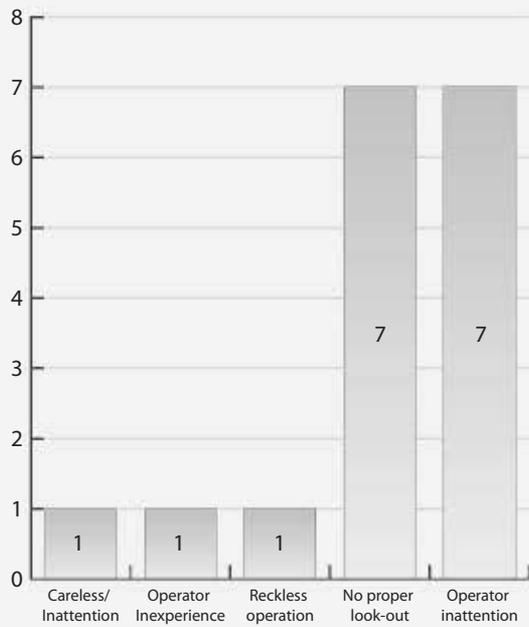


10. Duval County

TYPE OF VESSEL



PRIMARY CAUSE OF ACCIDENT



PRIMARY TYPE OF ACCIDENT

