



Sector Key West Waterways Management (WWM)

17 April 2018

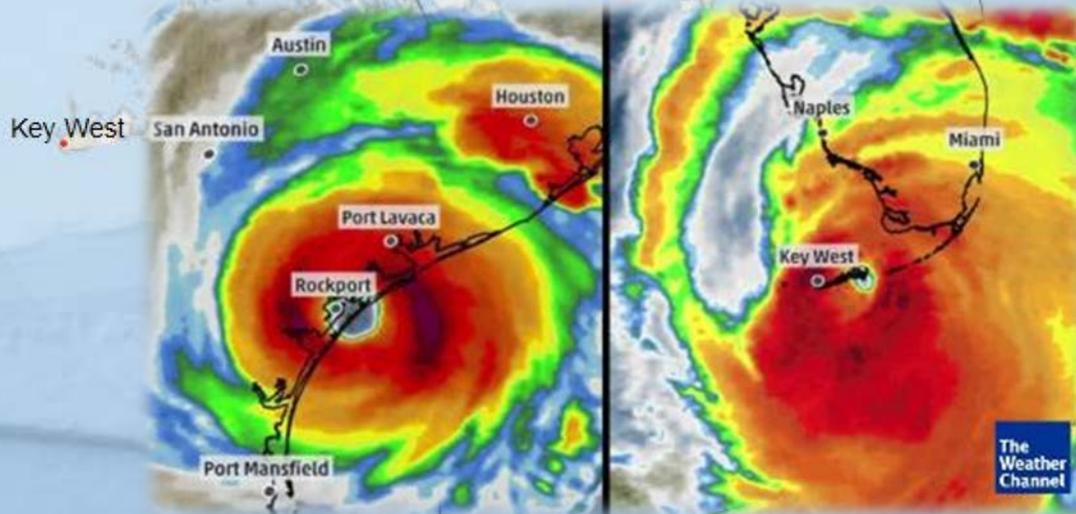
LT Scott Ledee
USCG Sector Key West
Chief, WWM Division

WWM Missions

- COTP Orders
- Safety & Security Zones
- Broadcast Notice to Mariners
- Marine Events
- Marine Event Permits
- USACE
- Outreach
 - Public & Industry
- ATON
- Dead-ship tow
- Lightering
- Anchorage management
- MTS disruption
- Obstructions to Nav.
- Hurricane Prep. & Recovery
- Ice
- Bridges
- WAMS
- VTS

Heavy Weather Prep & Recovery

- Port Coordination
- Emergency Port Plans
- Limited Access Areas
- Marine Transportation System Recovery (MTSRU)



Harvey

Irma

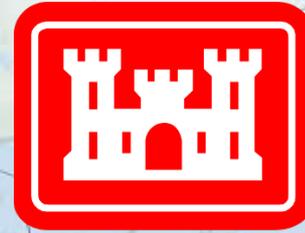
Bridges

- **Permits**
- **Managing design**
- **Monitoring construction**
- **Removal or alteration**
- **Navigational lighting - 33CFR118**
- **Operation of movable bridges (Snake Creek Bridge)**



USACE Liaison

- Permit review –structures
- Risk Assessment
- Dredging
- Obstructions to navigation
- **Debris removal**
- Surveys
- MTS recovery
- Safe navigation



**US Army Corps
of Engineers®**



Obstruction to Navigation



- **Bridges**
- **Abandoned vessels and barges**
- **Wrecks**
- **Submerged objects**
- **Marine debris**

What factors are considered?

➤ **33 CFR 64.31**

- **Near channel?**
- **Navigational difficulty around the obstruction?**
- **Depth of water over the obstruction?**
- **Type of traffic in the area?**
- **Physical Characteristic of the obstruction?**
- **Is the object moving or stationary?**
- **Near ATON?**
- **How long has it been there?**
- **History of incidents?**

***Once determined to be a HAZNAV work with ACOE to get it removed**

Limited Access Areas

- **Control access to, and movement within, areas under jurisdiction**

- **Safety Zones**

- 33CFR165.20

- **Security Zones**

- 33CFR165.30

- **Regulated Nav Areas**

- 33CFR 165.10

- **Restricted Waterfront**

- 33CFR165.40

- **Naval Protection Zones**

- 33CFR165.2010



Marine Events

- **Administrative Review**
- **Safety Review**
- **Environmental Review**
- **Permitting**
- **Monitoring and Follow Up**
- **Special Local Regulations**
 - **33 CFR 100**

Key West

Florida
Bay

FLO
Marathon



Photo Credit: Andy Newman/Florida Kay's News Bureau/HC



Marine Events Cont.

- At least 135 days prior to the Marine event, sponsors are required to submit to Sector Key West the Application for Approval of Marine Event (form CG-4423)
- Failure to submit a required application would constitute a violation of Title 33, Chapter 25 U.S. Code, Section 1233 implemented by 33 CFR 100 and could result in civil penalty enforcement. Violation of 33 CFR 100 carries a maximum civil penalty of **\$2,500.00** for each violation.

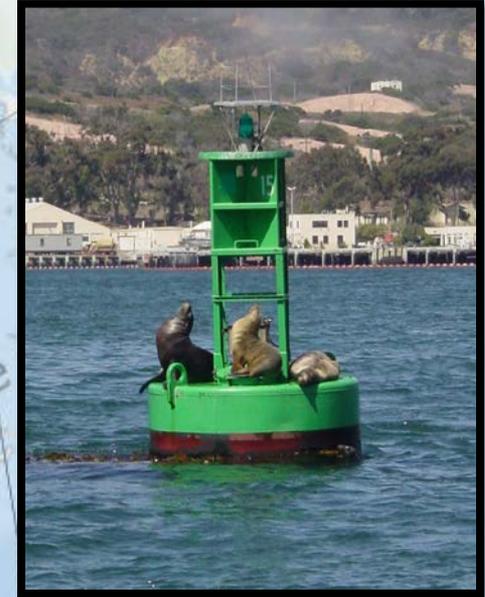
Marine Permit Criteria:

- An organized event
- Of limited duration
- With a prearranged schedule
- Likely to interfere with navigation
- Likely to introduce extra or unusual hazards
- Navigation cannot be addressed through the Rules of the Road

ATON

One of the 11 CG Missions

- 3rd in % CG operating expenses
- Behind: 1 Security & 2 Drug Interdiction



- WAMS
- Positioning
- Discrepancies
- Auxiliary
- Private Aids (PATON)



UNCLASSIFIED / FOUO / LES

PATON

33 CFR 66 authorizes PATON -CG-2554 PRIVATE AIDS TO NAVIGATION APPLICATION

33 CFR 66.01–20 Inspection

- All classes of PATON shall be maintained in proper operating condition.

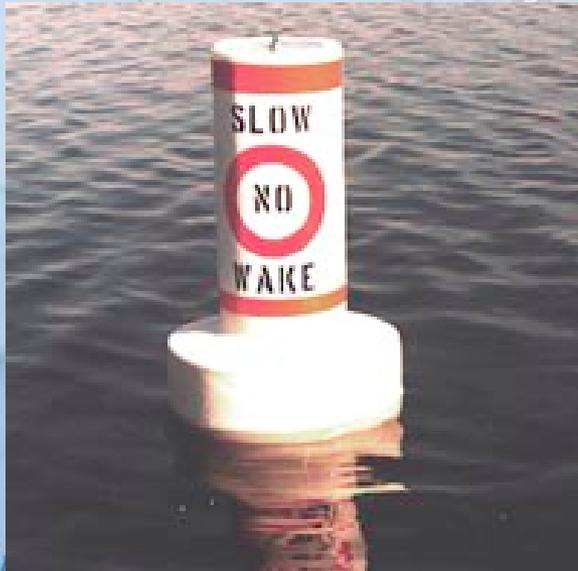
14 USC 83. Unauthorized aids to maritime navigation;

No one can establish aids without approval of Coast Guard
Whoever violates the provisions of this section... shall be guilty of a misdemeanor and shall be fined not more than **\$1,500** for each offense. Each day during which such violation continues shall be considered as a new offense.

What constitutes PATON?

PATON

The term **private** aid to navigation means any device external to a vessel or aircraft intended to assist a navigator in determining position or safe course, **provide marine information**, or to warn of dangers or obstructions to navigation.



Types of PATON

Airport Security Zone Lighted Buoys

Aquaculture Buoys/Lights

Boat Ramp Daybeacons

Cable Crossing Lighted Buoys

Cape Wind Lights

Clam Line Buoys

Dam Lights

Dam Warning Buoys

Deepwater Port Lighted Buoys

Dock Lights

Exclusion Area Buoys

FAD Site Buoys

Ferry Landing Lights

Ferry Terminal Lights

Fish Trap Lights

Fishing Reef Buoys

Flood Protection Structure Lights

Floodgate Lights

Log Storage Lights

Instrumentation Tower Lights

Mooring Buoys

Meteorological Light Towers

No Discharge Buoys

Naval Security Zone Buoys

Outfall Buoys

No Sail Buoys

Pier Lights

Oil Boom Deployment Buoys

Political Boundary Buoys

Outfall Daybeacons/Lights

Power Cable Warning Daybeacons

Pipeline Lights

Stop Signs???

Bubba Sticks???

LIGHT LIST

Volume III

ATLANTIC and GULF COASTS

Little River, South Carolina to Econfina River, Florida
(Includes Puerto Rico and the U.S. Virgin Islands)

This Light List contains a list of lights, sound signals, buoys, daybeacons, and other aids to navigation.

IMPORTANT

**THIS LIGHT LIST SHOULD BE CORRECTED
EACH WEEK FROM THE LOCAL NOTICES TO MARINERS
OR NOTICES TO MARINERS AS APPROPRIATE.**

John Pennekamp Coral Reef State Park

11695	John Pennekamp Coral Reef Park Buoy F	25-06-40.448N 080-20-39.195W			Orange and white bands; barrel.	Private aid.
11705	Carysfort North Reef N Obstruction Daybeacon	25-13-41.000N 080-12-26.000W			NW on pile worded DANGER SHOAL.	Private aid.
11705.5	Carysfort North Reef South Obstruction Daybeacon	25-13-11.700N 080-12-42.400W			NW on pile worded DANGER SHOAL.	Private aid.
11725	Key Largo Dry Rocks Obstruction Daybeacon	25-07-27.200N 080-17-56.500W			NW on pile worded DANGER SHOAL.	Private aid.
11730	Grecian Rocks Obstruction Daybeacon	25-06-42.000N 080-18-11.500W			NW on pile worded DANGER SHOAL.	Private aid.
11735	Cannon Patch Obstruction Daybeacon	25-06-37.000N 080-20-21.000W			NW on pile worded DANGER SHOAL.	Private aid.
11740	Mosquito Bank Obstruction Daybeacon	25-04-42.000N 080-22-30.000W			NW on pile worded DANGER SHOAL.	Private aid.
11745	White Bank Obstruction Daybeacon	25-02-26.230N 080-22-17.154W			NW on pile worded DANGER SHOAL.	Private aid.
11750	French Reef Obstruction Daybeacon	25-02-08.660N 080-21-00.795W			NW on pile worded DANGER SHOAL.	Private aid.
11755	Sand Island Obstruction Daybeacon	25-01-11.100N 080-22-06.600W			NW on pile worded DANGER SHOAL.	Private aid.
11760	Molasses Reef North Obstruction Daybeacon	25-00-50.488N 080-22-22.825W			NW on pile worded DANGER SHOAL.	Private aid.
11765	Molasses Reef South Obstruction Daybeacon	25-00-37.834N 080-22-40.662W			NW on pile worded DANGER SHOAL.	Private aid.

Port Largo Channel

11765.1	- Daybeacon 4	25-04-54.500N 080-25-46.100W			TR on pile.	Private aid.
11765.2	- Daybeacon 6	25-05-06.200N 080-25-49.500W			TR on pile.	Private aid.
11765.3	- LIGHT 7	25-05-17.400N 080-25-49.400W	FI G 2.5s		SG on pile.	Private aid.
11765.4	- Daybeacon 8	25-05-17.300N 080-25-51.900W			TR on pile.	Private aid.

Largo Sound Channel

11770	- LIGHT 2	25-05-46.424N 080-23-50.545W	FI R 4s	16	5	TR on pile.
11775	- Daybeacon 3	25-05-51.600N 080-24-09.613W				SG on pile.
11780	- Daybeacon 4	25-05-53.059N 080-24-16.514W				TR on pile.
11785	- Daybeacon 5	25-05-53.082N				SG on pile.

Local Notice to Mariners (Updated Weekly)

- <https://www.navcen.uscg.gov>

11825	Largo Sound Channel Daybeacon 11	OFF STA/STRUCT DEST/HAZ NAV/TRUB	11464	013-18 KWT	07/18
11855	Largo Sound Channel Daybeacon 19	HAZ NAV/TRLB	11464	067-17 KWT	23/17
11870	Largo Sound Channel Daybeacon 22	STRUCT DEST/HAZ NAV/TRLB	11464	108-17 KWT	44/17
11875	Largo Sound Channel Daybeacon 23	STRUCT DEST/HAZ NAV/TRLB	11464		44/17
11885	Marvin D Adams WW Light B	LT EXT	11464	132-17 KWT	47/17
12065	Tavernier Creek Light	STRUCT DEST/TRLB	11464	006-18 KWT	03/18
12195	Hen And Chickens Shoal Light 40	HAZ NAV/LT EXT/DAYMK MISSING	11464		38/17
12495	John Sawyer Bank Shoal Light	STRUCT DEST/HAZ NAV	11449	036-18 KWT	15/18
12650	Big Spanish Channel Daybeacon 49	STRUCT DEST/TRUB	11448	040-18 KWT	38/17
12665	Harbor Key Bank Daybeacon 55	HAZ NAV/TRLB	11448	115-17 KWT	38/17
13135	Alligator Reef Daybeacon 43	STRUCT DEST/TRUB	11449	151-17 KWT	52/17
13720	East Washerwoman Shoal Light 49	STRUCT DMGD	11449		38/17
13730	Sister Creek Daybeacon 3	HAZ NAV/DAYMK MISSING/TRLB	11449	124-17 KWT	46/17
13740	Sister Creek Daybeacon 6	STRUCT DEST/HAZ NAV/TRLB	11449	125-17 KWT	46/17
13790	Boot Key Harbor Daybeacon 14	TRUB	11453	133-17 KWT	48/17
14490	Stock Island Approach Channel Light 32	DAYMK MISSING	11441	117-17 KWT	42/17
15370	Calda Channel Daybeacon 12	STRUCT DEST/TRUB	11441	121-17 KWT	45/17

Outreach

- MTS Liaison
- **Harbor Safety Committee**
- Propeller Club
- Area Maritime Security Committee (AMSC)
- Other industry committees/meetings
- Waterway Analysis & Mgmt System (WAMS)
- Other CG
 - ATON units, VTS, Stations/Cutters





Harbor Safety Committees are local committees established and controlled by local non-Federal entities to address local port or waterway issues, such as waterway safety, security, mobility and environmental concerns.

- 1. Improve safety, national security, environment, and quality of life**
- 2. Open communication and partnerships**
- 3. Consensus-based approach to addressing port issues**



2016 TOP FIVE STATES for Boating Accidents:

FLORIDA	671
California	369
New York	174
North Carolina	162
Texas	154



[http://myfwc.com/boating/safety-education/accidents/
Boating Accident Review](http://myfwc.com/boating/safety-education/accidents/Boating%20Accident%20Review)



Monroe County has the most boating and personal watercraft accidents in Florida!

2016 Statistics

Vessels

County	Recreational Vessels	Total	Accidents	Fatalities	Injuries	Property Damage
Monroe	26,233	29,106	105	3	52	\$1,061,329
Miami-Dade	63,670	66,422	67	7	37	\$438,000

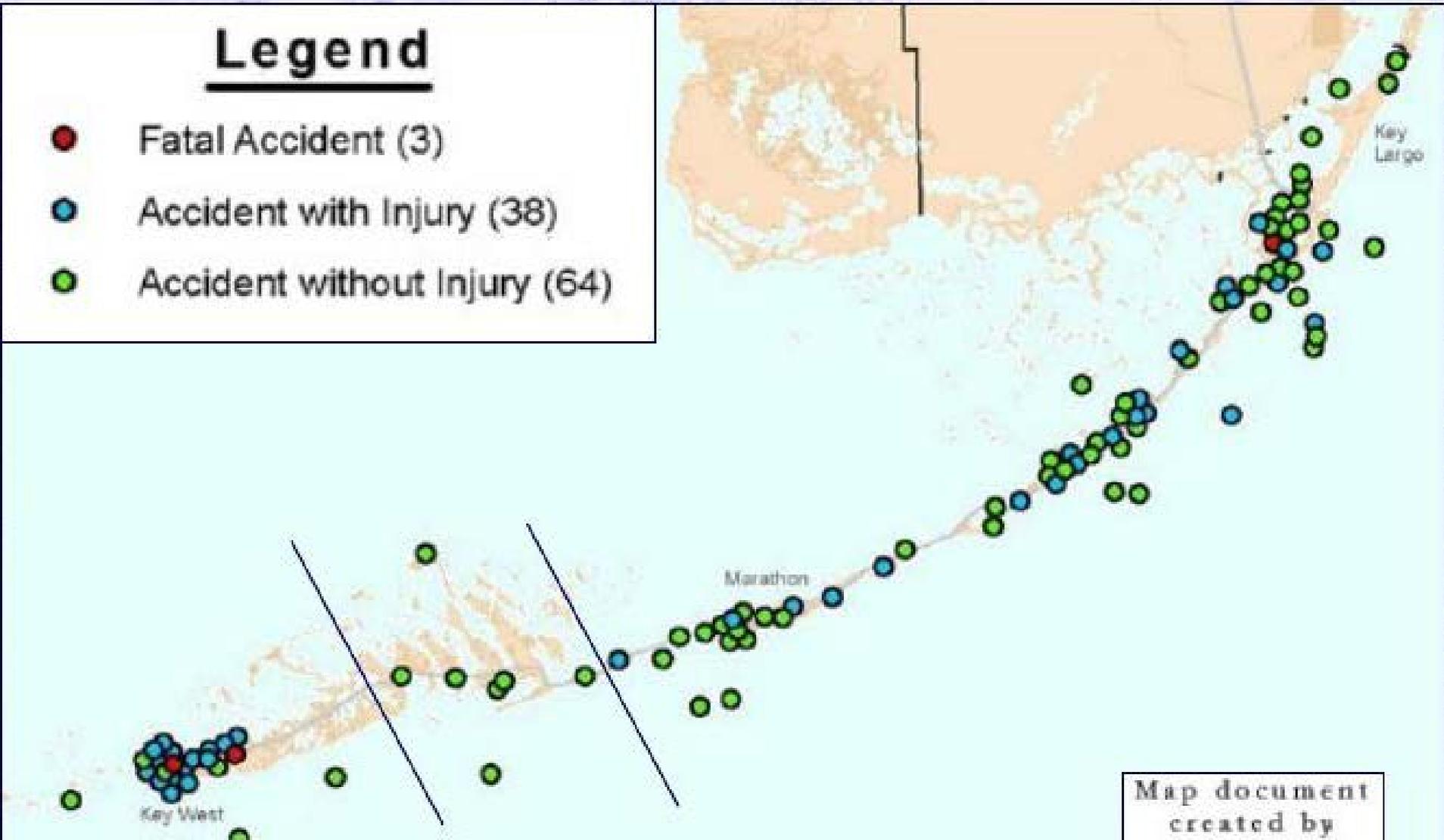
Personal Watercraft

County	Pleasure	Rental	Total	Accidents	Fatalities	Injuries	Property Damage
Monroe	1830	409	2,239	32	1	33	\$53,901
Miami-Dade	13,614	612	14,226	20	4	16	\$27,300



Legend

- Fatal Accident (3)
- Accident with Injury (38)
- Accident without Injury (64)



Port Preparation and Recovery:

- **Hurricanes/Heavy Weather or other Natural Disaster**
- **Salvage/Pollution Recovery Operations**
- **Maritime Security Incident**



Waterways Management and Improvement

- **Waterways Analysis and Management System (WAMS)**
- **Dredging**
- **Waterway Surveys**
- **Optimize Aids to Navigation**



FLORIDA KEYS MARINE EVENTS:

- High Speed Boat Races
- Swims
- Paddle Events
- Fireworks
- Parades



Common HSC Organization Structure:

VOTING:



NON-VOTING:





Questions?

24-hr Command Center: 305-292-8727

WWM Office: 305-292-8768

SKWWaterways@uscg.mil

<https://homeport.uscg.mil/port-directory/key-west>