



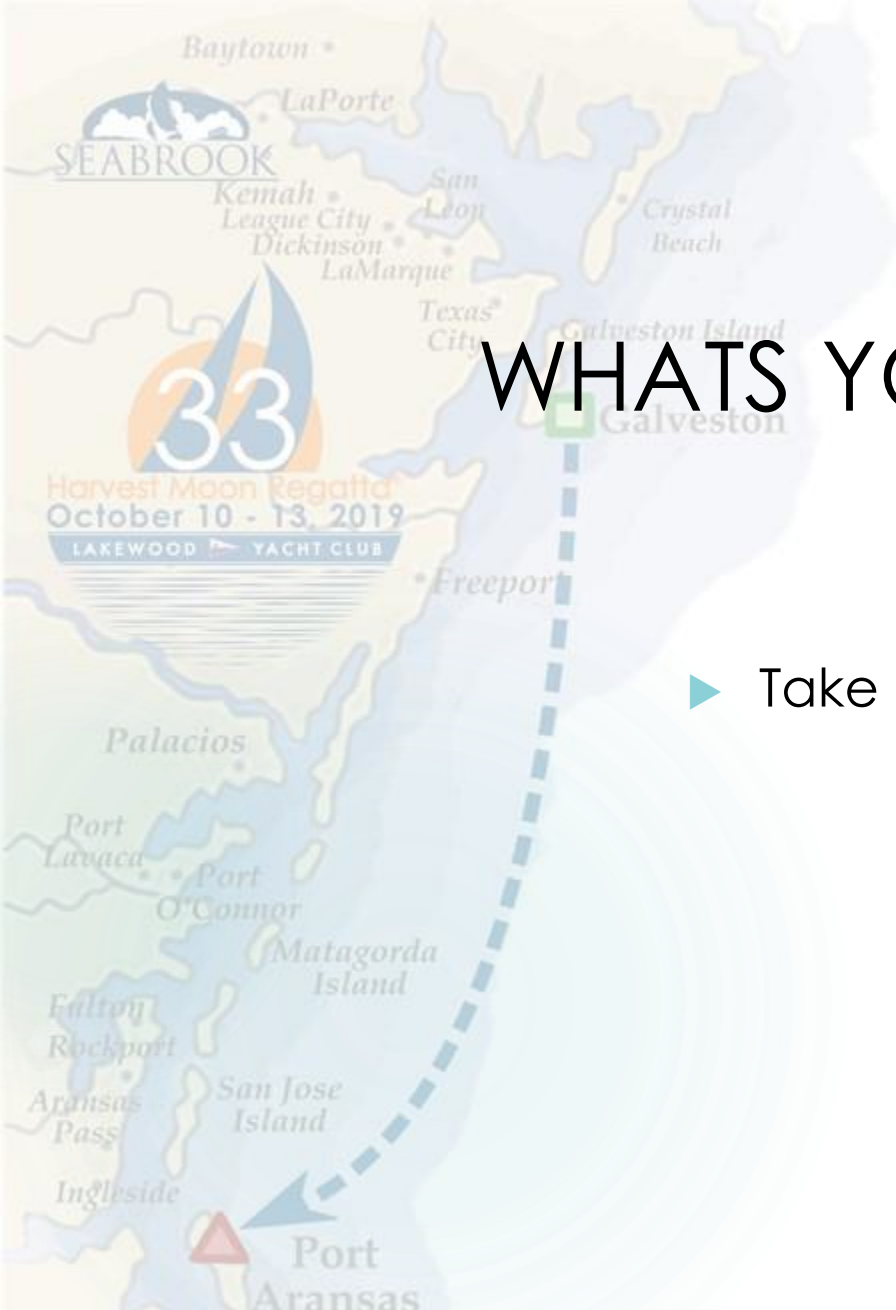
# Coast Guard Boating Safety

**BY: BM1 MORALES  
COAST GUARD STATION HOUSTON**



# WHAT'S YOUR DEFINITION OF BOATING SAFETY?

- ▶ Take a moment and ask yourself this question.



<https://www.youtube.com/watch?v=eQDt1Xk74Mk>



# U.S. COAST GUARD BOATING SAFETY FACTS & STATISTICS

Ref: 2018 Recreational Boating Statistics, COMDTPUB P16754.32

19 August 2019

- ▶ In 2018, the Coast Guard counted 4,145 accidents that involved 633 deaths, 2,511 injuries and approximately \$46 million dollars of damage to property as a result of RECREATIONAL boating accidents.
- ▶ Where cause of death was known, 77% of fatal boating accident victims drowned. Of those drowning victims with reported life jacket usage, 84% were NOT wearing a life jacket.
- ▶ Operator inattention, improper lookout, operator inexperience, machinery failure, and excessive speed rank as the top five primary contributing factors in accidents.

# Plan, Prepare, Train

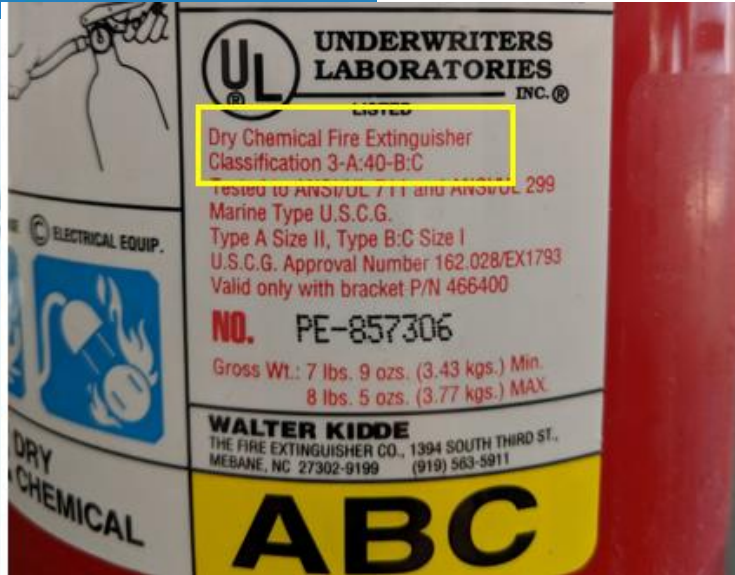
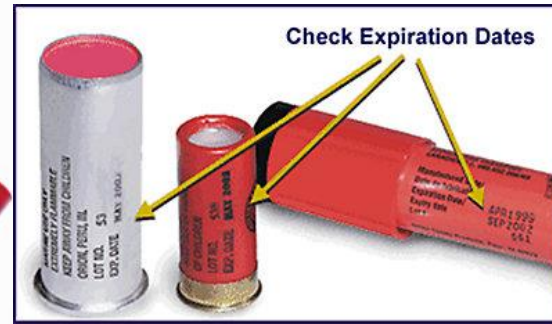
- ▶ Plan: Create an emergency plan specific to your vessel, voyage, and crew. Consider vessel size, propulsion, navigation, communication, and safety equipment. Consider the area, length of voyage, and port of calls. Know your crew. Know their strengths and weaknesses.
- ▶ Prepare: Conduct pre voyage checks. Ensure machinery, and electronics are working properly. Ensure all safety equipment (required and extra) is on board, and in good serviceable condition.
- ▶ Train: Practice executing your emergency plan. Include crew and passengers if possible.



# Examples of Required Safety Equipment

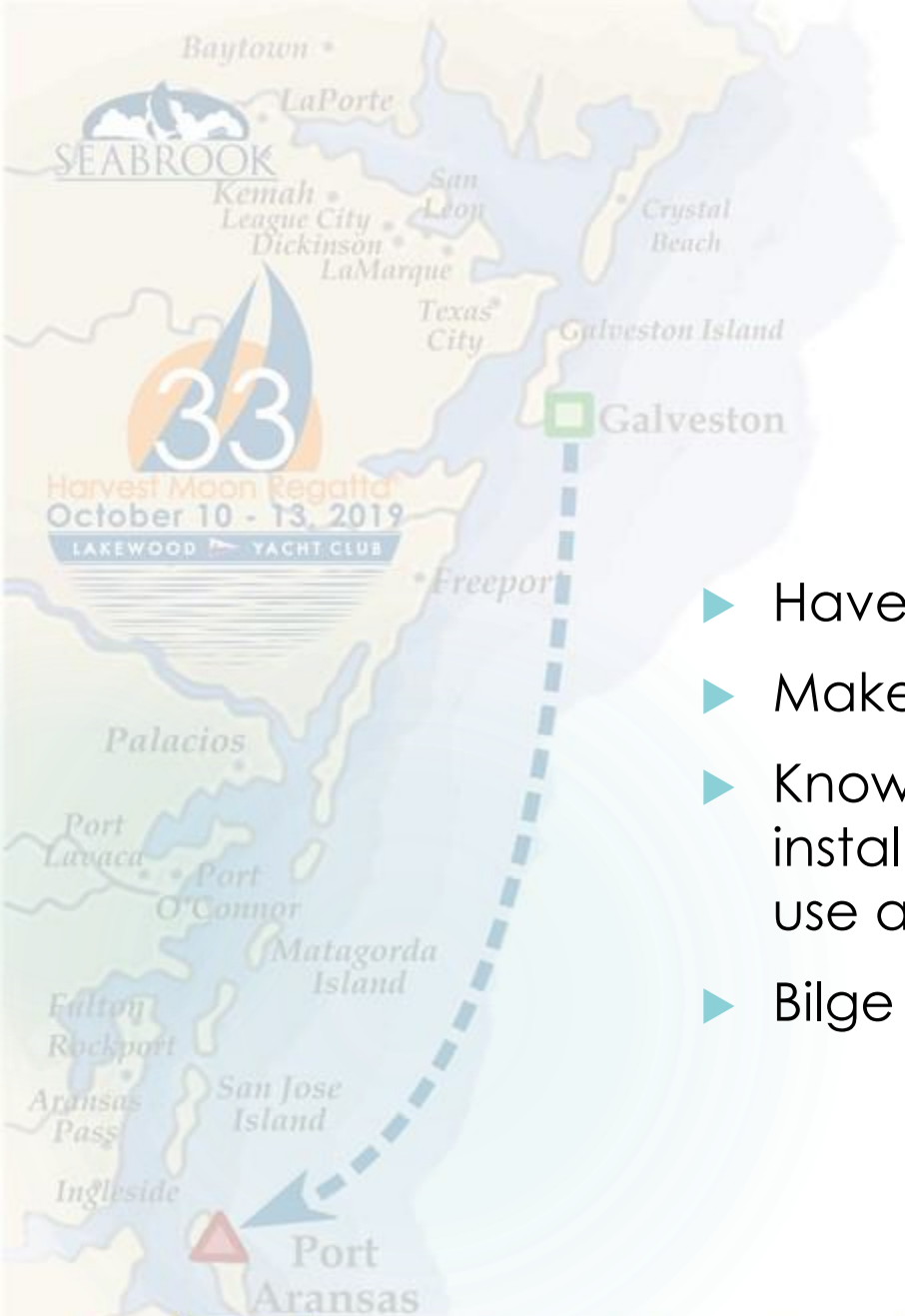
- ▶ **Personal Floatation Device**: One Type I, II, III or V PFD per person on-board. PFDs must be Coast Guard approved, wearable by the intended user and readily accessible. Must be in Good, Serviceable Condition.
- ▶ **Type IV Throwable Floatation Device**: Must be Coast Guard approved, readily accessible, and in in Good, Serviceable Condition.
- ▶ **Flares** Must be Coast Guard approved. Within expiration date
- ▶ **Fire Extinguishers**: Must be Coast Guard approved. One B-II or two B-I (depending on vessel size)
- ▶ **Sound Producing Devices**: Horn or whistle recommended to signal intentions or signal position.

# Examples of Required Safety Equipment



# Fire Safety

- ▶ Have the proper fire fighting equipment required for your vessel.
- ▶ Make sure fire fighting equipment is not expired.
- ▶ Know how to use the fire fighting equipment. Whether portable or installed, ensure passengers and crew know location and how to use as well.
- ▶ Bilge is clean of combustible fluids.





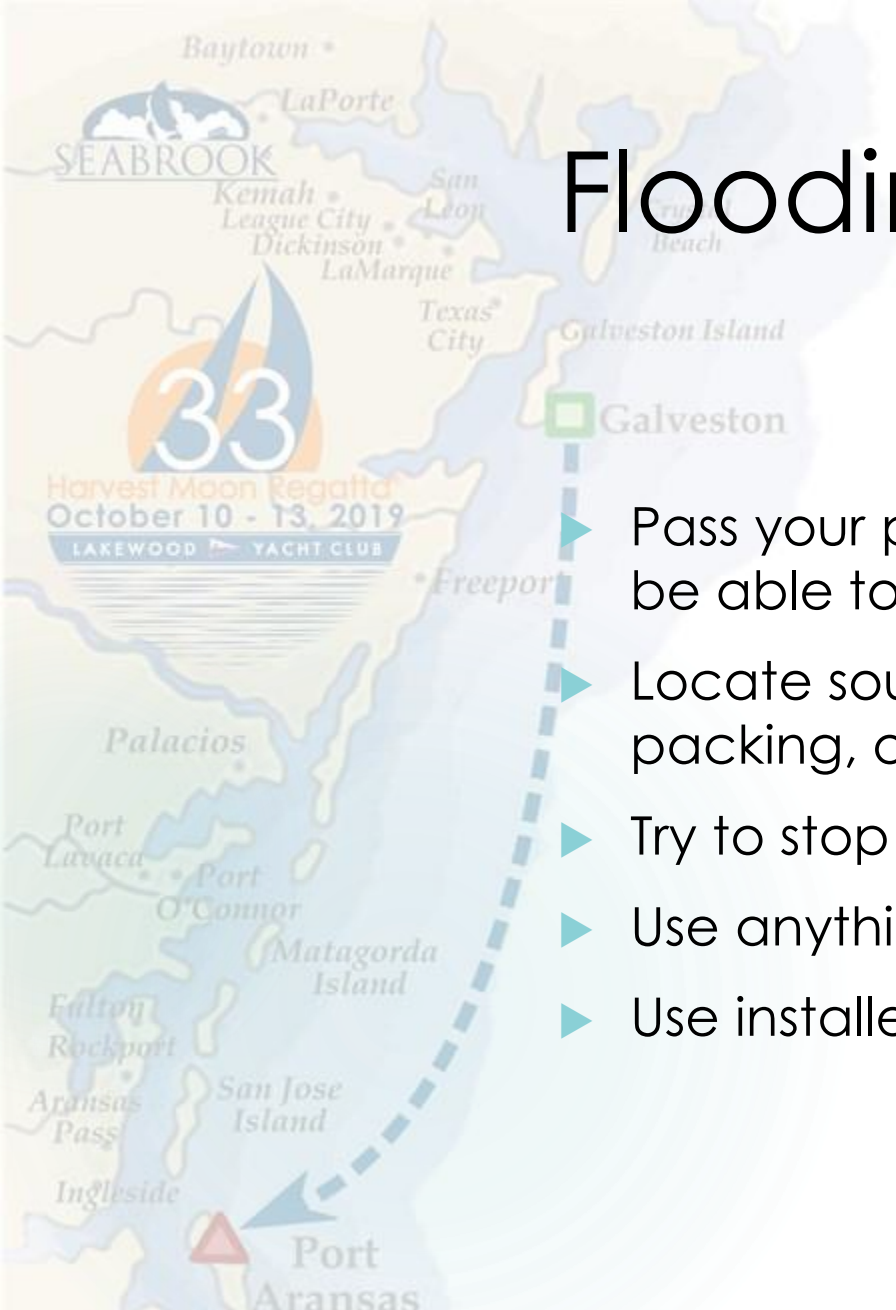
# Fire on Board

- ▶ Pass your position as soon as possible. Any person onboard should be able to do this. Ch16 Emergency Frequency.
- ▶ Secure fuel as quickly as possible
- ▶ Secure motor (depending on location of Fire)
- ▶ Act quick and remain calm (easy to say)
- ▶ Try to combat fire in a safe manner.
  - ▶ Fire Extinguishers
  - ▶ Buckets
  - ▶ Installed Fire Fighter Fighting System
- ▶ Abandon ship as last resort.

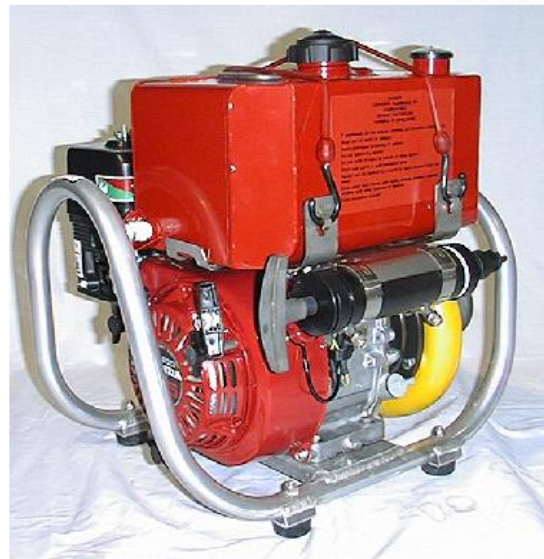


# Flooding on board

- ▶ Pass your position as soon as possible. Any person onboard should be able to do this. Ch16 Emergency Frequency.
- ▶ Locate source of flooding. Could be a hole in the hull, loose shaft packing, or a loose fitting on the main deck.
- ▶ Try to stop as quick as possible.
- ▶ Use anything and everything to plug the hole.
- ▶ Use installed bilge pump(s). \*If your vessel is equipped them.



# U.S. COAST GUARD P-6 DEWATERING PUMP



# U.S. COAST GUARD P-6 DEWATERING PUMP

The Coast Guard P-6 Dewatering Pump Kit consist of the following:

1. Pump engine
2. A 15' long discharge hose and screen
3. A 20' long suction hose with quick disconnect
4. A removable fuel tank
5. A flashlight
6. A laminated instruction manual
7. A spare spark plug



...ct fitting,  
...with quick  
...ity)  
...il starter

# U.S. COAST GUARD P-6 DEWATERING PUMP

- ▶ **WARNING: THIS PUMP IS NOT TO BE USED TO PUMP FLAMMABLE LIQUIDS.**
- ▶ **WARNING: DO NOT USE THIS PUMP BELOW DECKS OR IN CONFINED SPACES**
- ▶ The four cycle Honda engine runs on regular unleaded fuel and is easily started.
- ▶ A throttle control allows the operator the ability to adjust the dewatering rate to meet the needs of the emergency. At full throttle, the pump is capable of delivering over 250 gallons per minute at a 12' suction lift. Higher discharge rates will be achieved at lower suction lifts.

# U.S. COAST GUARD P-6 DEWATERING PUMP

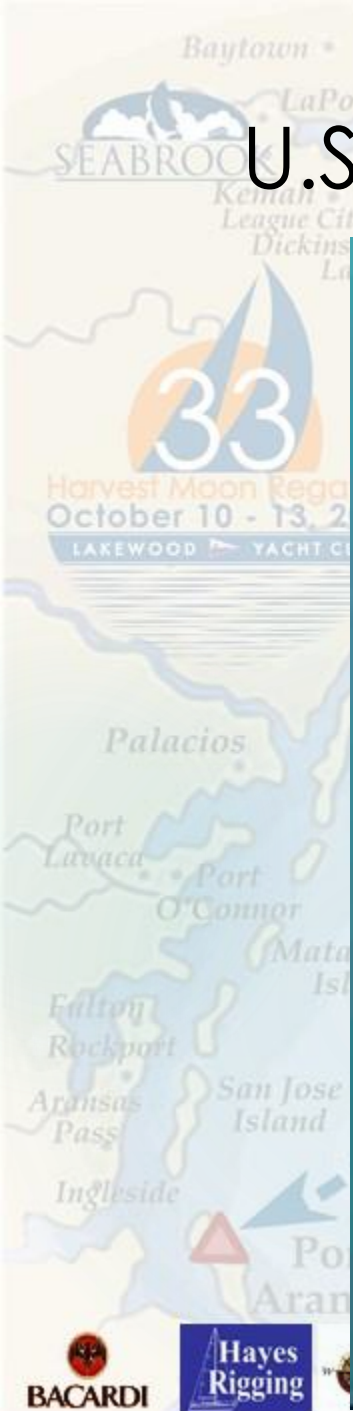


**W.S. Darley & Co.**

**Champion**

**De-Watering Pumps**

**2BE6.5H**



# FLOAT PLAN

# U/W CHECKLIST

USCGFloatPlan.pdf (SECURED) - Adobe Acrobat Reader DC

File Edit View Window Help

Home Tools USCGFloatPlan.pdf ... x

1 / 3 96.8%

## FLOAT PLAN

INSTRUCTIONS: Complete this plan before you go boating and leave it with a reliable person who can be depended upon to notify the Coast Guard, or other rescue agency, should you not return or check-in as planned. If you have a change of plans, or will be delayed, notify the person holding your Float Plan. Finally, close your plan by notifying the holder you have arrived home safely and if the holder has reported you overdue, notify all applicable rescue authorities of your safe return.

www.cgaux.org Do NOT file this plan with the Coast Guard www.uscgboating.org

### VESSEL

**IDENTIFICATION:** Name & Hailing Port \_\_\_\_\_ Document / Registration No. \_\_\_\_\_ Year, Make & Model \_\_\_\_\_ Length \_\_\_\_\_ Type \_\_\_\_\_ Draft \_\_\_\_\_ Hull Mat. \_\_\_\_\_ Hull & Trim Colors \_\_\_\_\_ Prominent Features \_\_\_\_\_

**COMMUNICATION:** Radio Call Sign / Number \_\_\_\_\_ DSC MMSI No. \_\_\_\_\_ Radio-1: Type \_\_\_\_\_ Ch. / Freq. Monitored \_\_\_\_\_ Radio-2: Type \_\_\_\_\_ Ch. / Freq. Monitored \_\_\_\_\_ Cell / Satellite \_\_\_\_\_ Email \_\_\_\_\_

**PROPULSION:** Primary-Type \_\_\_\_\_ Eng. Fuel Capacity \_\_\_\_\_ Auxiliary-Type \_\_\_\_\_ Eng. Fuel Capacity \_\_\_\_\_

**NAVIGATION: (Check all onboard)**  Compass  Radar  GPS / DGPS  Depth Sounder  Charts  Maps  \_\_\_\_\_

### SAFETY & SURVIVAL

**VISUAL DISTRESS SIGNALS:**  Electric Distress Light (night only)  Flare, Aerial (day & night)  Flare, Handheld (day & night)  Signal Mirror (day only)  Smoke (day only)

**AUDIBLE DISTRESS SIGNALS:**  Bell  Horn  Whistle

**ADDITIONAL GEAR:**  Anchor - Line length \_\_\_\_\_  Dewatering device  Exposure suits  Fire Extinguisher  Flashlight / Searchlight  Raft / Dinghy  Food for \_\_\_\_\_ days / person  Water for \_\_\_\_\_ days / person  \_\_\_\_\_

**EPIRB:**  UIN\* \_\_\_\_\_

### PERSONS ONBOARD

**OPERATOR:** Name \_\_\_\_\_ Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_ Age \_\_\_\_\_ Gender \_\_\_\_\_ PFD  PLB UIN\* \_\_\_\_\_ Note \_\_\_\_\_

Has experience with:  this vessel;  the boating area(s).

Home Phone \_\_\_\_\_ Vehicle (year, make & model) \_\_\_\_\_ Vehicle License No. \_\_\_\_\_ Trailer  Vehicle parked at \_\_\_\_\_

Float Plan Note \_\_\_\_\_

**PASSENGERS / CREW: (Identify all on board)**

Name	Home Phone	Age	Gender	PFD	Note	Passenger PLB UIN* (Not listed in a specific order)
1. _____	_____	_____	_____	<input type="checkbox"/>	_____	_____

Vessel & Equipment checklist.pdf - Adobe Acrobat Reader DC

File Edit View Window Help

Home Tools USCGFloatPlan.pdf ... Vessel & Equipmen... x

1 / 1 53.4%

## VESSEL & EQUIPMENT CHECKLIST

Take Time to Reflect on Safety. Safe Boating Begins with You.

**Trip Destination** \_\_\_\_\_

**Date** \_\_\_\_\_

- Personal papers; operator's certificate or license (if required) onboard, current.
- Ship's papers; registration or documentation certificate.
- Life jacket suitable for each person on board, readily accessible, in good condition.
- Throwable flotation aid immediately available.
- Fire extinguishers conveniently placed, fully charged, in good condition.
- Visual distress signals with current expiration dates.
- Horn working.
- Bell (if required) onboard.
- Anchor and anchor line appropriate to area, depth, conditions.
- Compass properly adjusted.
- Charts for the area, up to date.
- Navigation tools.
- Boat hook.
- Mooring lines and fenders in good condition.
- Paddles or oars.
- Tool kit and spare parts (including light bulbs, fuses).
- Bilge free of fuel vapors and excess water.
- Fuel supply full.
- Fuel system free of leaks.
- Engine oil and transmission fluid levels correct.
- Battery fully charged, fluid level full.
- Electronic gear in good condition.
- Engine drive belts tight, in good condition.
- All navigation lights working.
- Steering and shift mechanisms in good condition.
- Outboard motor mountings tight (if appropriate).
- Grab rails, life-lines in good condition.

**Additional Resources:**  
United States Coast Guard Boating Safety <http://www.uscgboating.org>  
United States Coast Guard Auxiliary <http://www.cgaux.org>  
Information Source: [http://bdeq1.cgaux.org/wp/?page\\_id=1032](http://bdeq1.cgaux.org/wp/?page_id=1032)

### VESSEL & EQUIPMENT CHECKLIST

The Coast Guard Foundation supports the men and women of the United States Coast Guard who protect America's shores and save lives at sea. Learn more about our mission and find out how you can help at [www.coastguardfoundation.org](http://www.coastguardfoundation.org). This guide covers only basic boating elements and does not guarantee the safety of your vessel or its passengers. Please refer to the U.S. Coast Guard for further safety guidelines and requirements for recreational boats.

# QUESTIONS?

