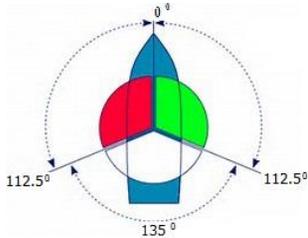


Navigation Lights

Running lights required for sail/power boats < 65' include:

- **Green** light starboard side
- **Red** light port side
- **White** light on stern

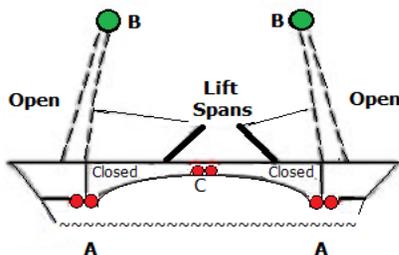


Anchor light at night for vessels < 164' is all-around **white** and visible from all directions.

Other lights seen on vessels at night:

<ul style="list-style-type: none"> Red over Red <p>"Capt. is Dead"</p>	<ul style="list-style-type: none"> Red over White <p>"Fishing at Night"</p>	<ul style="list-style-type: none"> Red over White over Red <p>"sos - Restricted"</p>	<ul style="list-style-type: none"> White over White <p>"Tow in Sight"</p>
<ul style="list-style-type: none"> Yellow over Yellow <p>"Pushing Fellow"</p>	<ul style="list-style-type: none"> Yellow over White <p>"Towline is Tight"</p>	<ul style="list-style-type: none"> Red over Green <p>"Sailing Machine"</p>	<ul style="list-style-type: none"> White over Red <p>"Pilot Ahead"</p>

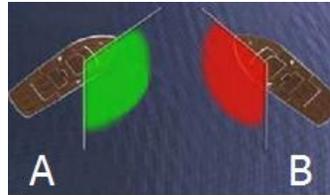
Bascule Bridges (opening) display **Red** (C) channel-center when closed, **Green** (B) at end of bridge span, when open.



Right of Way

Stand-On vessel (B) holds course and speed, has the *right of way*, sees **GREEN** light of other vessel.

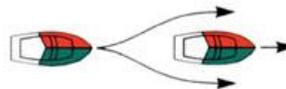
Give-Way vessel (A) obligated to stay out of way of stand-on vessel, sees **RED** light of other vessel; must yield.



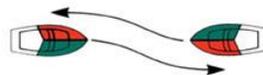
EXCEPTIONS to this rule include:

- Vessels shall not impede safe passage of other vessels which can navigate safely only within a narrow channel.
- Power boats yield to fishing or sailing boats
- Sailboats should avoid fishing boats

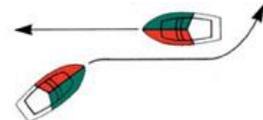
Overtaking Vessel sounds 1-short horn blast (overtake on starboard) or 2-short blasts (overtake on port). Stand-On vessel responds same.



Passing Port-to-Port



Crossing: give-way vessel crosses *astern* of the stand-on vessel



Boating Essentials

*For Crew Members of
Sailing Singles South Florida*



- ✚ Learn about Essential Markers
- ✚ Recognize Buoys and Beacons
- ✚ Understand Markers on Water/Charts
- ✚ Know Aids to Navigation
- ✚ Identify Preferred Channel Aids
- ✚ Learn Navigation Lights
- ✚ Understand Stand-On and Give-Way
- ✚ Be Aware of Right of Way

November 2017

Sailing Singles of South Florida
Sailing Orientation Session

Buoys and Beacons

Buoys

- Float on top of water
- Anchored in place in the water
- May have light on top
- Two types: Nun Buoy & Can Buoy
Nun Buoy cylindrical shape with conical top
Can Buoy cylindrical shape with flat top – a can shape!

Beacons

- Permanently fixed in water
- May have light on top
- Lighted Beacon known as *Light*
- *Daybeacon*, a beacon with no light

Markers & Chart Symbols

 G "5"	 Daybeacon	 Daybeacon	 R "6"
 FI G 6s	 Light	 Light	 FI R 6s
 G C "3"	 Can	 Nun	 R N "4"
 G "1" FI G 4s	 Lighted Buoy	 Lighted Buoy	 R "2" FI R 4s

Green markers always **ODD** numbers

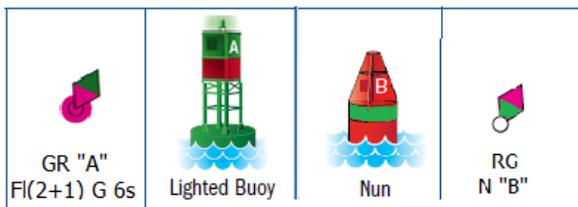
Red markers always **EVEN** number

Chart Symbols

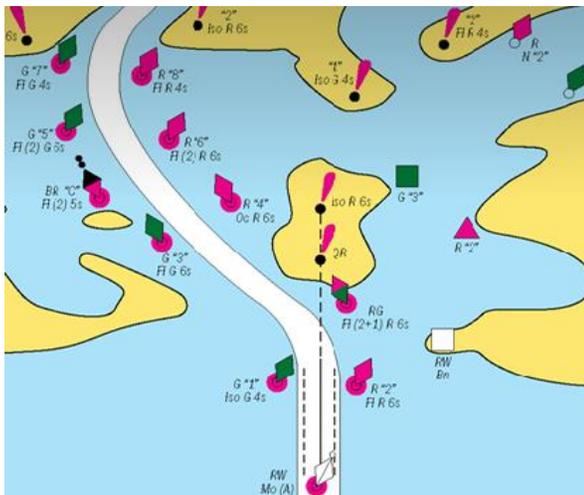
Symbols on charts and chart plotters

- **G"5"**: indicates Green #5 beacon
- **N"4"**: indicates Nun #4 buoy
- **C "3"**: indicates Can #3 buoy
- **Fl G 6 sec**: Flashing Green light every 6 seconds
- **Diamond**: Red or Green above circle,
Magenta Circle: flashing lighted buoy
Clear Circle: buoy with no light
- **Teardrop**: Red above **Black Circle** indicates flashing lighted beacon

Preferred Channel Buoys, Green or Red Top, white letter identifier, may have a light. Marks junctions of navigable channels.



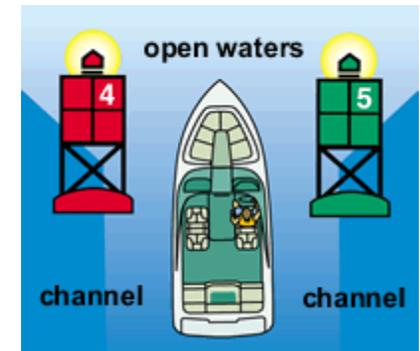
Treat marker as only the top color for traveling the *preferred channel*, and only bottom color to travel *secondary channel*. (Example below *preferred* is left)



RW Mo(A) red/white vertical stripe, marks offshore approach.

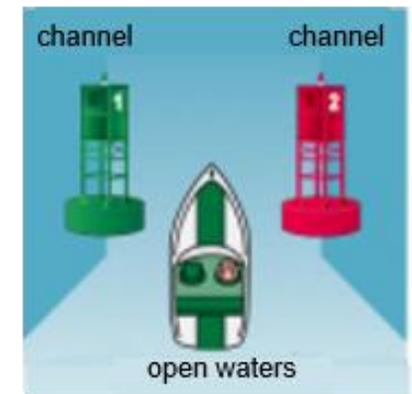
Direction of Buoyage

From Inlet Toward Ocean



- *Green on Starboard* when heading from inlet toward open waters (seaward)
- *Numbers Decrease* towards open waters

From Ocean To Inlet



- *Red on Starboard* when heading into inlet from open waters (shoreward)
- *Numbers Increase* proceeding inland

Red, Right, Return

For intracoastal waterway (ICW) red markers on right: based on returning from sea assuming boat entered inlet in Maine

Markers change from inlet to ICW. On ICW Green (go) ocean side, Red (stop) landside.