

# *Lake Norman Keelboat Council*



## **Lakewide Sailing Instructions**

**2021 - 2024**

**Revised 2023-03-15**

**These Sailing Instructions are available  
for Keelboat Racing Events conducted by the:**

**Lake Norman Keelboat Council**

**Safe Harbor Peninsula Yacht Club**

**Lake Norman Yacht Club**

**Outrigger Yacht Club**

## **Purpose**

The Lake Norman Keelboat Council (LNKC) is a federation three yacht clubs, the Lake Norman Yacht Club (LNYC), Safe Harbor Peninsula Yacht Club (SHPYC) and the Outrigger Yacht Club (OYC), all located on Lake Norman, North Carolina. The relationship between the LNKC and the Member Clubs is established in the Lake Norman Keelboat Council Member Yacht Clubs Spirit of Cooperation Policy.

The LNKC is the governing body for PHRF ratings. A valid rating certificate, issued by the LNKC Board of Handicappers, is required to participate in handicap (mixed fleet) keelboat racing on Lake Norman. To apply for a rating, complete a Rating Request Form. Details may be found at LNKC PHRF Program.

The LNKC is responsible for the Lakewide Sailing Instructions (LSI). These LSI are required for use in any LNKC or “Lakewide” sponsored event. LNKC events and those designated as Lakewide are exclusive to qualifying members of the “Clubs”. These LSI are available for use in any other Club event.

The LNKC is responsible for maintaining the Permanent Race Marks located on Lake Norman and for publishing the permanent race mark coordinates in the LSI.

These LSI may be amended at any time by a majority vote of the council and must be reviewed for revision in Olympic years when the Racing Rules of Sailing (RRS) are updated. Permanent mark (as defined in Section 8) coordinates and the Mark Distances Chart may be amended as necessary.

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## **1. RULES**

All LNKC and Lakewide events will be governed by the *Racing Rules of Sailing* (RRS) and the *Prescriptions of the U.S. Sailing Association*, these LSI and the Notice of Race and Sailing Instructions for each event. The *LNKC Standard Sail and Equipment Specifications* will apply. The RRS may be found at <https://www.ussailing.org/competition/rules-officiating/the-racing-rules-of-sailing-2021-2024/>

## **2. ELIGIBILITY / RATINGS**

- 2.1 A competitor must be a member in good standing of a Club at a level granting him/her rights to enter a boat in a LNKC or Lakewide event.
  - 2.2 A boat must have a current Lake Norman PHRF Rating Certificate assigned by the LNKC Board of Handicappers, unless registering into a “one-design” fleet. If a boat cannot obtain one in time to enter an event or will most probably only compete in that one event, it may be assigned a single event rating by at least two members of the Board of Handicappers representing at least two Clubs. An LNKC PHRF Rating Request Form can be found here: [www.lnkc.com/PHRF/DOCS/LNKCRatingRequestForm.pdf](http://www.lnkc.com/PHRF/DOCS/LNKCRatingRequestForm.pdf).
  - 2.3 While racing, a boat must have someone on board who meets the requirements for registration.
  - 2.4 Registration for Open events is available to anyone who is “a member of a club or other organization affiliated to a World Sailing member national authority”, per RRS 75.1. If the event uses the LSI and/or Permanent Marks, competitors not already meeting this requirement must obtain a free online membership in the Scuttlebutt Sailing Club, at [www.sailingscuttlebutt.com](http://www.sailingscuttlebutt.com), recognized by US Sailing for just such circumstances.
  - 2.5 Registration will not be accepted and a boat will not race unless all eligibility requirements are met.
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## **3. SCORING**

All LNKC and Lakewide events will be scored using the PHRF Handicap System as administered locally by the LNKC Board of Handicappers.

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## **4. SAIL NUMBERS**

Boats without sail numbers on mainsails, headsails exceeding 130%, or spinnakers, or using a headsail displaying numbers different from those on their mainsail, forfeit all rights for redress from the Race Committee (RC) in the event their finish is not recorded properly.

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## **5. NOTICES TO COMPETITORS & CHANGES TO SAILING INSTRUCTIONS**

- 5.1 Notices to competitors and changes to Sailing Instructions shall be posted on the Club’s official bulletin board located as follows:
  - LNKYC - downstairs at the Race Management Center.
  - OYC - on the website at [www.outrigger yachtclub.org](http://www.outrigger yachtclub.org) or as prescribed in the NOR.
  - SHPYC - downstairs at the clubhouse.
  - LNKC – That of the host Club.

5.2 Responsibility for checking the official bulletin board rests with the competitors.

5.3 Radio Communications

Use of VHF radios will be permitted for communication from the race committee to competitors on channel 69. As a courtesy the race committees are encouraged to use VHF radio to announce the course, identify "On Course Side of the line" boats after starts and otherwise communicate with the fleet on the water. Failure to receive a hail, for a hail to be made, the order of hails made, or other communications to the fleet shall not be cause for redress. This instruction changes RRS 41 and 62.1.

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**6. SIGNALS MADE ASHORE**

6.1 Signals made ashore will be displayed as follows:

LNNYC - From the flagstaff in front of the race management building.

OYC - From the mast or a staff on the Committee Boat (CB) or as prescribed in the Notice of Race.

SHPYC - From the flag mast at the clubhouse.

LNKC - As prescribed above for the host Club.

6.2 Postponement Ashore: In the event of postponement ashore, the RC will postpone the scheduled starts in accordance with Rule 27.3 no later than 30 minutes prior to the first scheduled warning signal. Code Flag AP (Answering Pennant) with two (2) sound signals means racing is postponed. The lowering of Flag AP accompanied by one sound signal means that boats should report to the starting area.

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**7. THE COURSE**

7.1 The international code flags designating the course to be sailed using the marks described in Section 8 may be flown from the mast or a staff on the CB.

7.1.1 Alternatively, a signboard with letters designating the course to be sailed using the marks described in Section 8 and optionally the bearing to the first mark may be displayed on the CB.

7.2 Course flags and mark letters will be read from top to bottom or left to right.

7.3 If the Sailing Instructions for the event outline one start for all fleets, RC may provide separate courses for Spinnaker vs. Non-spinnaker by signaling the Spinnaker course under Flag 1 and the Non-Spinnaker course under Flag 2 on distinct flagstaffs.

7.4 If marks are to be rounded more than once before finishing, a numerical flag displayed beneath the course flags signifies the number of times to round each.

NOTE: If a Weather Mark (W) is employed without a "P" or "T" mark, "W" will not be re-rounded.

Examples: (1) W-B-X-2 = W-B-X-B-X-finish

(2) W-R-Y-2 = W-R-Y-R-Y-finish.

7.4.1 The number of times to round the marks in any course that includes “P” will be signaled by a numerical flag. After the final rounding of the mark prior to “P”, the “P” mark is no longer considered a rounding mark and becomes part of the finishing line.

Examples: (1) R-P-2 = R-P-R-finish

(2) W-P-3 = W-P-W-P-W-finish

7.4.2 If a “T” mark is specified in the course, it shall remain part of the course and must be passed to port on the last leg. (See windward/leeward courses, below)

Example: (1) W-T-2 = W-T-W-T-finish

(2) W-B-T-2 = W-B-T-W-B-T-finish

7.4.3 If “P” is part of a course and no numerical flag is displayed then “P” is not a rounding mark but must be left to port. The RC may clarify that “P” is not a rounding mark

Example: (1) W-P-R = W-R-finish, with “P” left to port on the leg from W to R.

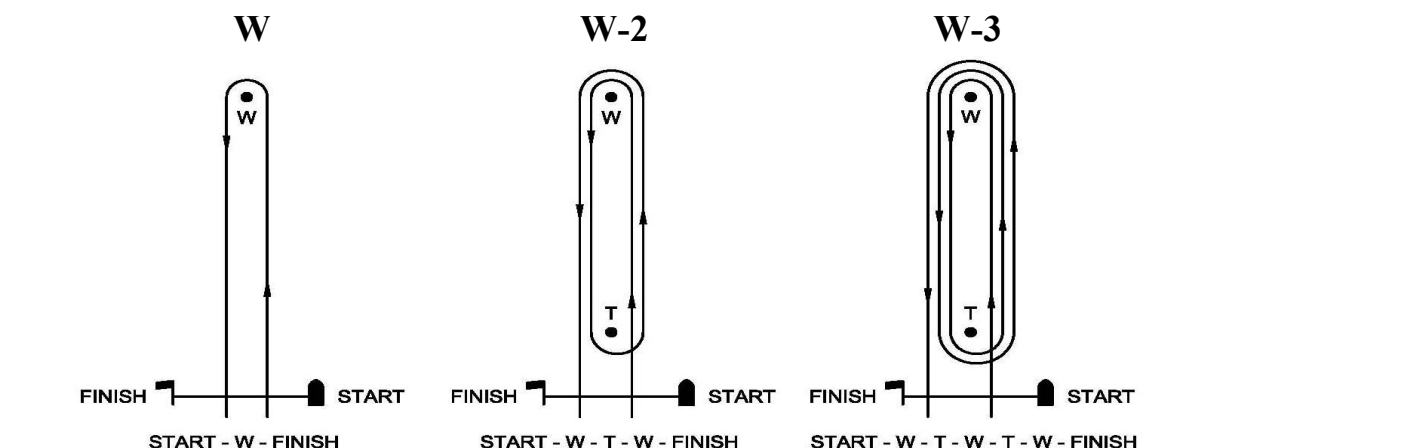
7.4.4 If the Race Committee elects to “close the line” after a race has started, it shall be indicated by the “F”- flag flown below the orange Start flag

7.5 All course marks shall be left to port.

7.6 All channel markers shall be passed on the channel side except when rounding Mark G where Channel Marker 10 shall be considered a part of the mark.

7.7 RC may replace a missing channel marker or Permanent Mark with a temporary mark (T). This mark will not display Flag M and no sound signals will be given which changes RRS 34.

7.8 Windward-Leeward Courses. In “windward/leeward” courses the Race Committee should take care in the placement of the “T” mark so that it remains inside the course.



**8. COURSE MARKS**

“Permanent Marks” are white buoys with blue bands and a letter identifier.

- B** Permanent Mark, about 1.25 NM from Channel Marker 1A on a bearing of 199 degrees (SSW).
- X** Permanent Mark, about 1.25 NM from Channel Marker 1A on a bearing of 180 degrees (S).
- R** Permanent Mark, about 235 yards from Channel Marker D3 on a bearing of 287 degrees (WNW).
- Y** Permanent Mark, about 195 yards from Channel Marker 5 on a bearing of 157 degrees (SSE).
- C** Permanent Mark, about 295 yards from Channel Marker D9 on a bearing of 285 degrees (WNW).
- Z** Permanent Mark, about .6 NM from Channel Marker T4 on a bearing of 295 degrees (WNW).
- D** Any one of the Lake Norman Marine Commission Regulatory Buoys labeled “Vessels must be under way beyond this point” located about .8 NM east of Channel Marker T4 and about 300 yards west of the Interstate 77 causeway.
- G** Goat Island, including Channel Marker 10.
- P** The floating mark used as one end of the starting line.
- W** Temporary Mark (orange tetrahedron) set by the RC to weather of the starting line.
- T** Temporary Mark (yellow tetrahedron) set by the RC.

## **9. REPORTING TO THE COMMITTEE BOAT**

- 9.1 Each competing boat shall properly report to the CB prior to starting its first race of each day. Failure to do so shall result in no record of her start (DNS).
  - 9.2 RC will raise Flag 3 when it is prepared for check in. Cross astern of the CB on starboard tack with mainsail hoisted and report your sail number. Flag 3 will be lowered one minute prior to the warning signal of the first class to start and be accompanied by one sound signal.
  - 9.3 Boats may check in after Flag 3 has been lowered.
  - 9.4 A boat should not abandon efforts to check in until acknowledgement by RC has distinctly been heard
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## **10. THE START AND STARTING LINE**

- 10.1 Races will be started in accordance with Rule 26. The class flag for the Spinnaker fleet will be Flag 1 and the Spinnaker fleet will be the first start. The class flag for the Non-Spinnaker fleet will be Flag 2 and the Non-Spinnaker fleet will be the second start. The class flag for the Cruiser fleet will be Flag 3 and the Cruiser fleet will be the third start.
  - 10.2 The starting line will lie between a staff displaying an orange flag on the CB and a floating mark (P). Note: Flag “F” below the orange start flag indicates that the “line will be closed” following the start.
  - 10.3 The location of the starting line will be as follows:
    - LNYS - In the vicinity of Channel Marker D7.
    - OYC & SHPYC - In the vicinity of the Shoal Marker (SM) about 0.4 NM from Channel Marker 2 on a bearing of 301 degrees (WNW).
    - LNKC – That of the host Club.
  - 10.4 Boats whose warning signal has not been made shall avoid the starting area.
- 

## **11. SHORTENED COURSE**

- RC may shorten a course by establishing a finish line between a CB and a course mark or channel marker and displaying the appropriate code flags with two (2) sound signals. This rule modifies RRS Rule 32.2.
- 11.1 No course shall be shortened to less than the first posted course mark.
  - 11.2 Shorten course for all fleets shall be displayed by Flag S.
  - 11.3 Shortened course for the Spinnaker fleet only shall be displayed by Flag 1 over Flag S.
  - 11.4 Shortened course for the Non-Spinnaker fleet only shall be displayed by Flag 2 over Flag S.
  - 11.5 Shortened course for the Cruiser fleet only shall be displayed by Flag 3 over Flag S.
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## **12. THE FINISH**

The finish line will lie between the mast or staff flying a **blue** flag on the Committee Boat and the floating mark used as one end of the starting line (P).

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## **13. ASSIGNED FINISH**

One hour after the first boat in a division finishes, the RC may assign a finish place to each boat still racing in that division equal to one more than the number of boats in that division that finished, unless the race is abandoned. RC will attempt to notify boats still racing of the assigned finish or that the race is abandoned. This changes Rule A4.2.

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## **14. PENALTY SYSTEM**

RRS Appendix V shall apply.

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## **15. HEARING REQUESTS**

A protesting boat shall conform to Rule 61, with the following modifications:

- 15.1 Immediately upon finishing or withdrawing from the race during which the alleged infraction occurred, a protesting boat shall notify RC of intent to file a formal protest.
  - 15.2 A written protest shall be submitted on a US Sailing Hearing Request Form. This Form is available at <https://www.ussailing.org/competition/rules-officiating/race-officers/materials-for-race-officers/>
  - 15.3 OYC protests must be lodged by properly completing the form which then must be delivered to the Race Chairperson in person or by email by the end of the next day or mailed and postmarked no later than midnight of the next business day. Parties to the protests will be notified of the time and place of the protest hearings.
  - 15.4 LNYC and SHPYC protests must be lodged within 30 minutes after the CB docks. The RC will sound a signal at the beginning of the 30-minute period. The Protest Committee will hear protests as soon as possible at the host Club.
  - 15.5 Procedures for LNKC events will be those of the host Club.
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## **16. SAFETY**

- 16.1 A boat that retires shall notify the RC before leaving the racing area. Failure to do so may, at the discretion of RC result in disqualification from the regatta.
  - 16.2 Each boat will be equipped with safety gear as required by federal, state, and local regulations.
  - 16.3 Rule 40 is changed. Flag Y will not be displayed.
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**17. CHANGES TO THE LSI**

The following cannot be changed by any Notice of Race and/or Sailing Instructions:

LSI 2.1

LSI 2.2

LSI 2.4

LSI 3

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## RRS 26 - STARTING RACES

Races shall be started by using the following signals. Times shall be taken from the visual signals; the absence of a sound signal shall be disregarded.

<u>Signal</u>	<u>Flag and Sound</u>	<u>Minutes before starting signal</u>
Warning	Class Flag; 1 sound	5*
Preparatory	P, I, Z, I with Z, U or Black Flag; 1 sound	4
One-Minute	Preparatory Flag removed; 1 long sound	1
Starting	Class Flag removed; 1 sound	

\*Or as stated in the Sailing instructions

## MARK COORDINATES (Date location last confirmed)

<b>B</b>	N 35 26 22.3 W 80 57 28.8	(6/23/2021)	<b>X</b>	N 35 26 18.3 W 80 56 59.2	(6/23/2021)
<b>R</b>	N 35 29 38.8 W 80 56 15.7	(6/23/2021)	<b>Y</b>	N 35 29 36.4 W 80 57 42.7	(6/23/2021)
<b>C</b>	N 35 31 50.1 W 80 54 09.6	(6/23/2021)	<b>Z</b>	N 35 30 53.7 W 80 53 29.0	(6/23/2021)
<b>D</b>	2 marks, numbered from Northernmost to Southernmost				
	D1 – N 35 30 44.1 W 80 52 09.2	D2 - N 35 30 39.8 W 80 52 10.6	D3 Mark Missing		(6/23/2021)

## MARK DISTANCE CHART (in Nautical Miles)

D7	3.0	2.0	1A	SM*								
4.6	2.6	1.6	1.0	2.0	B							
1.5	3.7	4.4	5.0	4.4	6.1	C						
4.6	2.7	1.6	1.0	2.0	0.4	6.0	X					
2.6	0.7	1.7	2.3	1.6	3.4	4.0	3.5	Y				
1.1	3.1	3.8	4.4	3.8	5.5	1.3	5.5	3.4	Z			
1.5	0.7	1.6	2.2	1.6	3.3	3.0	3.3	1.1	2.4	R		
2.3	3.5	5.0	5.6	5.0	6.7	2.5	6.7	4.8	2.2	3.6	D**	
5.2	3.5	4.5	5.1	4.3	6.2	6.6	6.2	2.8	6.1	3.7	8.1	G***

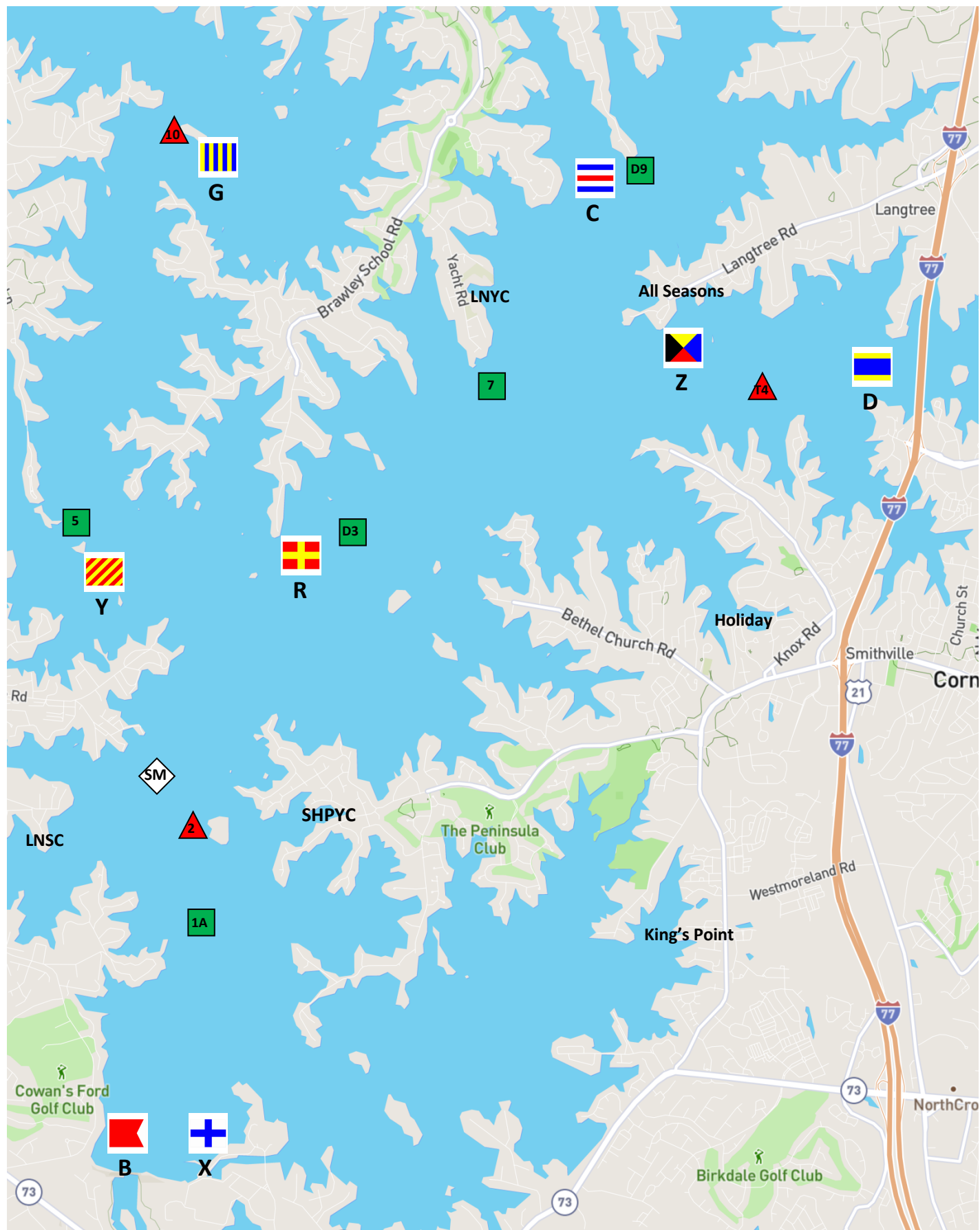
\* The Shoal Marker described in Section 10.3
















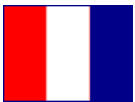


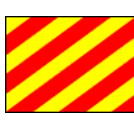

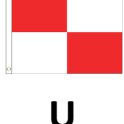

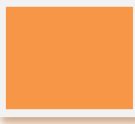

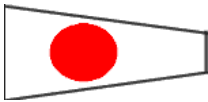

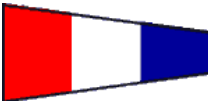

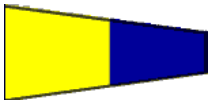







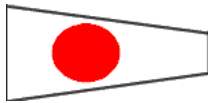

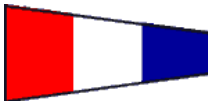





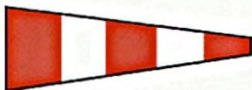
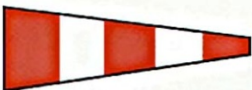
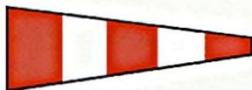





\*\* Measured to the middle mark "D2"

\*\*\* Includes distance to round Goat Island

## MARK MAP

Note: Only those channel markers referred to in the LSI are shown. See others [Here](#).  
(LNKC and Member Clubs are not responsible if the linked map is not available or incorrect)



							
<b>A</b>	<b>B</b>	<b>C</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>
							
<b>L</b>	<b>M</b>	<b>N</b>	<b>O</b>	<b>P</b>	<b>R</b>	<b>S</b>	<b>T</b>
							
<b>W</b>	<b>X</b>	<b>Y</b>	<b>Z</b> RULE 30.2 In Effect	<b>U</b> RULE 30.3 In Effect	RULE 30.4 In Effect	Start Line	Finish Line
							
<u>1-Spin fleet</u>	<u>2-NonSpin fleet</u>	<u>3-Cruiser fleet</u> <u>Check-In</u>	<b>4</b>	<b>5</b>			
							
<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>0</b>			
							
							
All races abandoned, no more racing today	All races abandoned, further signals ashore	Shorten course Spinnaker only	Shorten course Non-Spinnaker only	Shorten course Cruiser only			
							
Answering Pennant - Races not started are postponed, Warning or other signal will be made one minute after removal			First Repeater – General recall				
	Races not started are postponed, no more racing today	Races not started are postponed, further signals ashore		Line is Closed			

## Summary of Changes

### Cover Page

- Changed “revision date” to 02/09/2023

- Changed PYC to “Safe Harbor Peninsula Yacht Club” (or SHPYC throughout)

- Reordered member clubs and changed font for style

### Inside Cover

- Restated/revised “Purpose” to agree with new web page splash screen

### Page 1

- Font changes to acknowledge publications sited

### Page 2

- Para 5.3: third line: deleted acronym “OCS” as redundant; deleted “receive”

- Para 6.1: SHPYC

- Para 7.4 rewritten and added 7.4.1, 7.4.2 and 7.4.3 for clarity concerning course marks

### Page 4

- Para 10.3: SHPYC

### Page 5:

- Para 12: SHPYC

- Para 15.4: SHPYC

### Page 8:

- Google Race Mark map: SHPYC

### Page 10:

- Added flag “F”

- Added signal for closing the start Line (orange start flag over F)