

# SOUTHERN YACHT CLUB

## GENERAL SAILING INSTRUCTIONS

*These instructions shall apply to all regattas organized by Southern Yacht Club and/or conducted by an SYC Race Committee, unless special instructions are provided.*

### 1 RULES

All regattas will be governed by the rules as defined in the current Racing Rules of Sailing. US Sailing prescriptions of Appendix T, Sections A, B and C apply. The Notice of Race (NOR) for specific regatta may modify these Sailing Instructions.

### 2 ENTRIES

- 2.1 Unless specifically permitted otherwise, entry must be made for each individual regatta separately. This includes regattas that are part of a larger series, which may have their own entry requirements.
- 2.2 Each entrant shall provide the following information: event to be entered; entrant's name, contact info (phone or e-mail) & yacht club; boat's make, sail number & name (if visible on the hull or transom); and, as applicable, PHRF rating and fleet to be entered.
- 2.3 Entry shall be made in accordance with one of the following methods:
- (a) Online using Regatta Network (if available). [www.regattanetwork.com](http://www.regattanetwork.com)
  - (b) On the scheduled day of the race, up to one hour before the first scheduled start, entry may be made on the sign-up sheet provided in the SYC lobby area.
  - (c) Class captains may submit a list of entrants directly to the race committee.
  - (d) As provided in a specific regatta's NOR.
- 2.4 A minimum of three (3) entries shall constitute a class.

### 3 NOTICES TO COMPETITORS

Notices will be posted in the SYC lobby area or attached to the sign-up sheet.

### 4 CHANGES TO SAILING INSTRUCTIONS

- 4.1 Changes in the sailing instructions will be posted no later than one (1) hour before the scheduled start of the first affected class on the day they will take effect, except that any change to the schedule of races will be posted by 2000 hours on the day before it will take effect.
- 4.2 ON THE WATER HAILING – Oral instructions may be given on the water at the discretion of the RC. Handicap classes will be hailed on VHF Radio. One Design and Board Boats will be hailed by voice, loud-speaker, or VHF Radio. The Race Committee will operate on VHF Channel 68 or 69.

### 5 SIGNALS MADE ASHORE

- 5.1 Signals made ashore will be displayed from the A frame halyards located in the dry storage area near the boat hoists.
- 5.2 When flag AP is displayed ashore, races not started are postponed. The time of the next warning signal will be posted in accordance with instruction 3. Warning signals shall be made not less than 30 minutes after AP is lowered. This changes race signal AP.

### 6 SCHEDULE OF RACES

- 6.1 Racing shall be in accordance with the SYC Sailing Schedule available online at [www.SouthernYachtClub.org](http://www.SouthernYachtClub.org) or as specified in specific a specific regatta NOR. This includes the number of races to be sailed on each race day and the scheduled start time for the first race of the day.
- 6.2 The RC will attempt to operate on Central Time as determine by GPS.

### 7 CLASS FLAGS

Unless specified otherwise, the following class flags shall be used:

PHRF		ONE-DESIGN		BOARD BOATS	
Class	Class Flag	Class	Class Flag	Class	Class Flag
A	White	J/27	Pink	Finn	Pink
B	Blue	J/22	Purple	Vanguard 15	Teal
C	Grey	Easterly 30	Light Blue	Club 420	Purple
Classic Spin	Red	Rhodes 19	Yellow	Laser / Radial	Light Green
Classic NS	Green	Flying Scot	Light Green	Sunfish	Yellow
All PHRF	Flag T	Melges 24	Light Blue	Optimist	Pink
Portsmouth	Brown				

## 8 RACING AREA

APPENDIX A - SYC RACING MARKS shows the location of the racing area.

## 9 COURSES

- 9.1 APPENDIX B – STANDARD COURSE DIAGRAMS illustrates and describes the standard courses and options, including the relative positions of marks, the order in which marks are to be passed, and the side on which each mark is to be left.  $m_1$ ,  $m_2$ ,  $m_3$ , &  $m_{SF}$  represent fixed mark designations, as provided by instructions 9.3(a) and 10.1, which correspond to Marks 1, 2, 3 & start/finish respectively, as illustrated. The RC may also specify a steeplechase course as provided by instruction 9.4.
- 9.2 TEMPORARY MARK COURSES shall use only temporary marks and shall be designated in accordance with Appendix B.
- 9.3 FIXED MARK COURSES
- (a) Fixed mark courses shall use only fixed marks, except that one (1) temporary mark may be used, but only as the starting mark, the start/finish mark, or the first mark after the start and shall be listed as “X” in the course designation.
  - (b) Standard fixed mark courses shall be designated as provided in Appendix B. The relative angles of the legs may vary from the diagrams to accommodate the fixed marks.
- 9.4 STEEPLECHASE COURSES shall be fixed mark courses designated by a list of the marks of the first round of the course, in the order to be rounded, beginning with the first mark after the start. Multiple rounds shall be indicated by the addition of a whole number (2 or 3). Except as required by instruction 14.3, boats shall round each mark on the side such that the course to the next mark does not cross the course from the previous mark and a mark beginning a leg which returns to the preceding mark shall be left to port.
- 9.5 No later than the preparatory signal for each class, the RC boat shall display the following: (this changes Rule 27.1)
- (a) The course designation for the starting class.
  - (b) For courses using one or more temporary marks, the approximate compass bearing from the start to the first mark after the start.
  - (c) For handicap temporary mark courses, the approximate distance, in tenths of nautical miles, from the start to Mark 1.
- Note that different courses may be designated for different classes.
- 9.6 The RC may hail course information to competitors as provided in instruction 4.2.
- 9.7 For handicap scoring purposes, the course length shall be rounded to the nearest tenth (0.1) of a nautical mile and times shall be recorded and calculated to the nearest whole second.

## 10 MARKS

- 10.1 FIXED MARKS are located and identified as shown in APPENDIX A - SYC RACING MARKS. A missing fixed mark may be replaced with an orange tetrahedron or sphere, but its original fixed mark designation shall remain.
- 10.2 TEMPORARY MARKS used for one or all marks of a course shall be as follows:
- (a) Marks 1, 2, 3, “X” and the start/finish mark shall be orange tetrahedrons or orange spheres.
  - (b) New marks, used in accordance with instruction 14.1, shall be yellow tetrahedrons or white spheres.
  - (c) Unless otherwise indicated, tetrahedrons and spheres will not be used on the same course.

## 11 CHECK-IN BEFORE THE START

Before the first warning signal of the first race on each race day, each boat shall sail near the RC signal boat and hail her class and sail number and be acknowledged by the RC. A boat failing to check-in may be scored DNS. This changes rule 63.1 and A4.1.

## 12 THE START

- 12.1 The starting line will be between a staff displaying an orange flag on the RC boat at the starboard end and the course side of the port-end starting mark.
- 12.2 When the warning signal for a succeeding class is made simultaneously with the starting signal of the preceding class and if a course change is made, the change of display (distance and/or course) will be made between the warning and preparatory signals.
- 12.3 Boats whose warning signal has not been made shall avoid the starting area.
- 12.4 A boat starting later than five (5) minutes after her starting signal will be scored DNS without a hearing. This changes rule A4.1.

### **13 INDIVIDUAL RECALLS**

The RC will attempt to hail each recalled boat as provided in instruction 4.2. The failure of any boat to hear the hail, an untimely hail of OCS boats, failure to hail any boats, and the order of the boats in the hail shall not be grounds for a request for redress. This changes rule 62.1(a). This alters Rule 29.1 and shall not constitute infringement of Rule 41.

### **14 CHANGE OF THE NEXT LEG OF THE COURSE**

14.1 When using temporary marks, to change the next leg of the course the race committee will lay a new mark and remove the original mark as soon as practicable. The change will be signaled before the leading boat in a class being changed has begun the leg, although the new mark may not yet be in position. When in a subsequent change a new mark is replaced, it will be replaced by an original mark.

14.2 When using fixed marks, to change the next leg of the course the RC shall display the letter designation of the new fixed mark in lieu of the compass bearing. This alters rule 33.

14.3 Boats shall round the mark beginning a changed leg in the same direction as it was to be rounded before the change. This may alter instruction 9.4.

### **15 THE FINISH**

The finish line will be between a staff displaying an orange flag on the RC boat and the nearby finishing mark.

### **16 PENALTY SYSTEM**

16.1 US Sailing prescriptions in Appendix T Section A, rule T1 Applies: The first two sentences of rule 44.1 are changed to: "A boat may take a One-Turn Penalty when she may have broken a rule of Part 2 or rule 31 while racing. However, when she may have broken a rule of Part 2 while in the zone around a mark other than a starting mark, her penalty shall be a Two-Turns Penalty."

16.2 US Sailing prescriptions in Appendix T Section B, "Penalties Taken After a Race" apply.

### **17 TIME LIMIT**

The time limit shall be 2.5 hours for each One Design class and 4.0 hours for each handicap class.

### **18 PROTESTS**

18.1 A boat intending to protest or request redress shall inform the RC upon finishing the race or, if unable to finish, at the first reasonable opportunity as required by Appendix T, Section C, rule T3.

18.2 Protests shall be delivered to the SYC office within one (1) hour after the docking time of the RC boat as posted in accordance with instruction 3. Hearings will be held as soon as possible subject to the availability of the parties involved and the protest committee. This changes Rules 61.3 and 62.2.

18.3 US Sailing prescriptions in Appendix T Section C, "Expedited Hearings" apply.

### **19 SCORING**

19.1 The Low Point scoring system of Appendix A will apply, except that no score will be excluded. One race constitutes a series. This changes rule A2.

19.2 The scoring system may be modified by individual classes with proper prior notification given to the RC.

### **20 SAFETY REGULATIONS**

20.1 Life jackets of USCG-approved design shall be worn by the crews of all single-handed and trapeze boats at all times while racing. On all other boats it is the responsibility of the skipper and crew to determine when life jackets will be worn. The meaning of Race Signal Y is changed to, "Comply with RRS 1.2".

20.2 A boat that retires from a race shall notify the RC before leaving the racing area or, if unable to do so, shall contact the RC or the SYC office as soon as possible, but no later than directly upon arriving ashore. Failure to promptly report a retirement will be grounds for a fine and/or other penalties.

### **21 PRIZES**

Trophies will be awarded as specified by each class, the event organizers, and/or in accordance with a perpetual deed of gift.

### **22 DISCLAIMER OF LIABILITY**

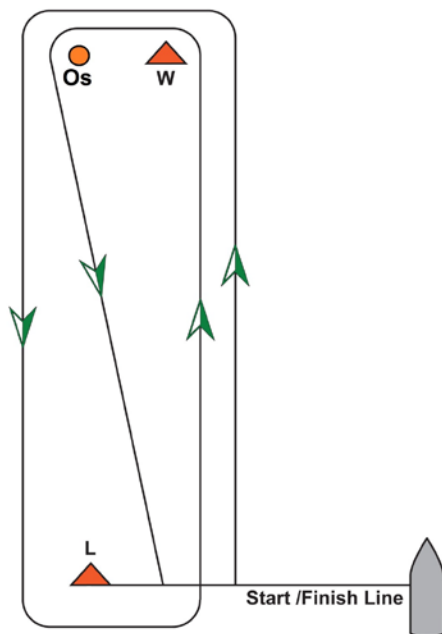
Competitors participate in the regatta entirely at their own risk. See rule 4, Decision to Race. The organizing authority will not accept any liability for material damage or personal injury or death sustained in conjunction with or prior to, during, or after the regatta.



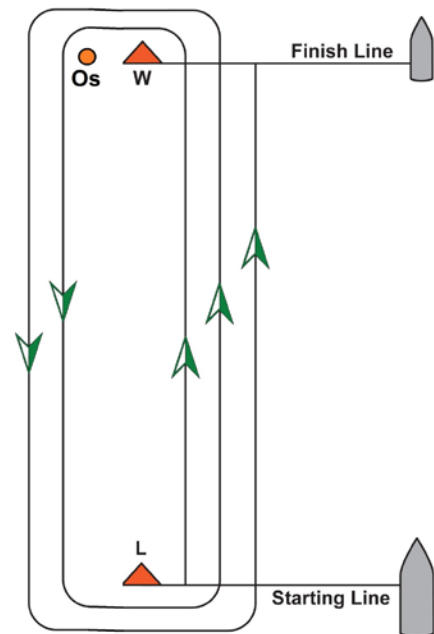
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## J/27 MIDWINTER CHAMPIONSHIP

### Course Diagrams Examples



**Course "W2"**  
Windward Leeward Twice Around



**Course "W2.5"**  
Windward Leeward Twice Around  
with upwind finish

# APPENDIX B – STANDARD COURSE DIAGRAMS

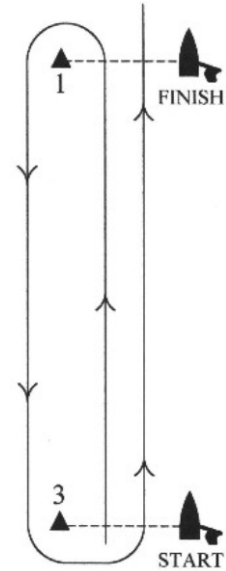
## B1 WINDWARD-LEEWARD COURSE “W 1.5”

B1.1 Options for this course may include:

- (a) increasing or decreasing the number of legs;
- (b) sailing multiple rounds of the course;
- (c) finishing at Mark 1 or 3;
- (d) when present, the use of a separate Mark 3 set to windward of the start/finish line;
- (e) finishing to port or starboard of the finishing mark depending on the location of the RC boat.

B1.2 The courses shall be designated as follows:

<u>Temporary</u>	<u>Fixed</u>	<u>Description</u>
<b>W</b> .....	<b>m<sub>1</sub> m<sub>3</sub></b> .....	1 round, 2 legs, start-1-finish
<b>W 1.5</b> .....	<b>m<sub>1</sub> m<sub>3</sub> 1.5</b> .....	1.5 rounds, 3 legs, start-1-3-finish
<b>W 2</b> .....	<b>m<sub>1</sub> m<sub>3</sub> 2</b> .....	2 rounds, 4 legs, start-1-3-1-finish
<b>W 2.5</b> .....	<b>m<sub>1</sub> m<sub>3</sub> 2.5</b> .....	2.5 rounds, 5 legs, start-1-3-1-3-finish
<b>W 3</b> .....	<b>m<sub>1</sub> m<sub>3</sub> 3</b> .....	3 rounds, 6 legs, start-1-3-1-3-1-finish



B1.3 For temporary mark courses only, two (2) weather marks (Mark 1) may be used to allow different classes to simultaneously sail different length courses. The RC shall indicate the presence of two weather marks by displaying numeral pennant 2 during the starting sequences for all classes and may also hail to competitors as provided in instruction 4.2. The distance to the appropriate Mark 1 shall be signaled to each respective class in accordance with instruction 9.5(c).

B1.4 For temporary mark courses only, the start/finish mark and Mark 3 may be separate and distinct marks in accordance with instruction 10.2. In this case, Mark 3 shall be set to weather of the start/finish line.

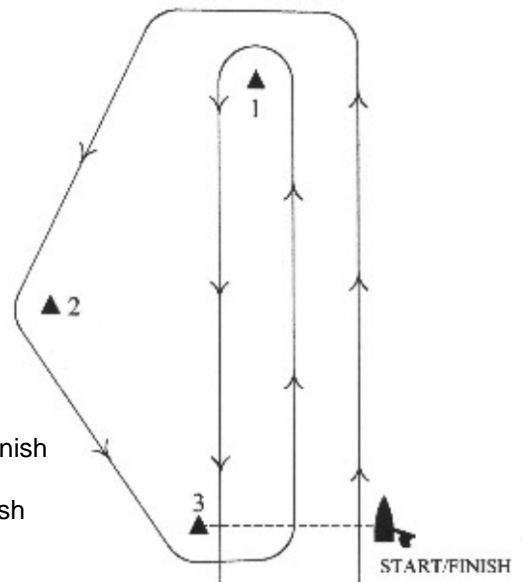
## B2 TRIANGLE COURSE “G”

B2.1 Options for this course may include:

- (a) increasing or decreasing the number of legs;
- (b) sailing multiple rounds of the course;
- (c) finishing at Mark 1 or 3;
- (d) finishing to port or starboard of the finishing mark depending on the location of the RC boat;

B2.2 The courses shall be designated as follows:

<u>Temporary</u>	<u>Fixed</u>	<u>Description</u>
<b>T</b> .....	<b>m<sub>1</sub> m<sub>2</sub> m<sub>3</sub></b> .....	1 round, 3 legs, start-1-2-finish
<b>T 2</b> .....	<b>m<sub>1</sub> m<sub>2</sub> m<sub>3</sub> 2</b> .....	2 rounds, 6 legs, start-1-2-3-1-2-finish
<b>T W</b> .....	<b>m<sub>1</sub> m<sub>2</sub> m<sub>3</sub> T W</b> ..	triangle-windward, 4 legs, start-1-2-3-finish
<b>G or GC</b> .....	<b>m<sub>1</sub> m<sub>2</sub> m<sub>3</sub> GC</b> .....	Gold Cup, 5 legs, start-1-2-3-1-finish
<b>O</b> .....	<b>m<sub>1</sub> m<sub>2</sub> m<sub>3</sub> O</b> .....	old Olympic, 6 legs, start-1-2-3-1-3-finish



### B3 MID-COURSE START/FINISH “M”

B3.1 Options for this course may include:

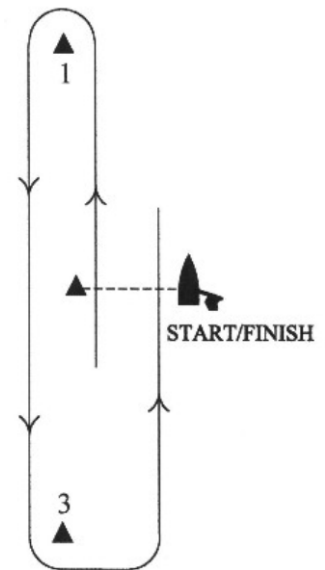
- (a) increasing the number of legs,
- (b) sailing multiple rounds of the course,
- (c) finishing to port or starboard of the start/finish mark depending on the location of the RC boat.

B3.2 The course shall be designated as follows:

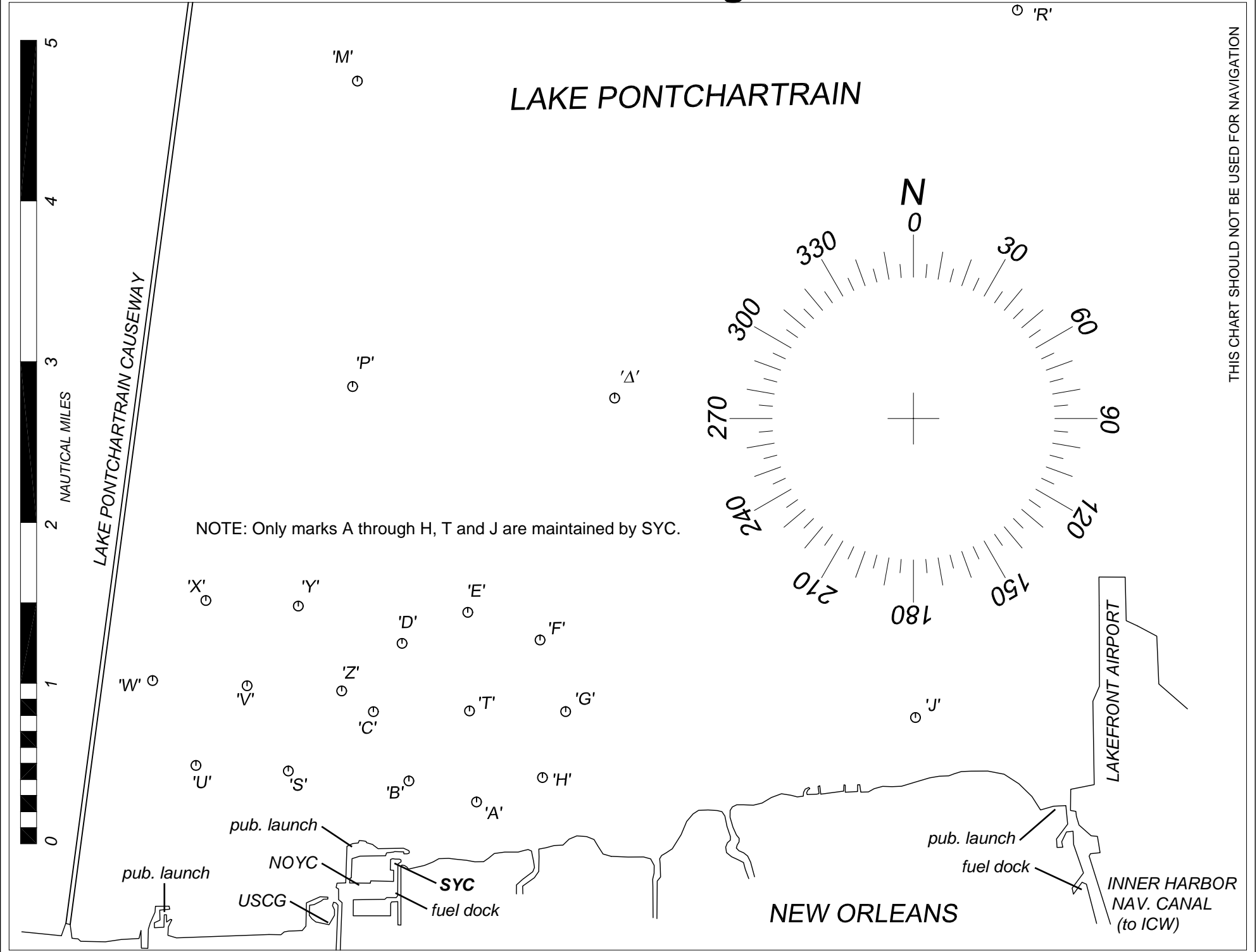
<u>Temporary</u>	<u>Fixed</u>	<u>Description</u>
<b>M</b> .....	<b><i>m<sub>1</sub> m<sub>3</sub> m<sub>SF</sub></i></b> .....	1 round, 3 legs, start-1-3-finish
<b>M 1.5</b> .....	<b><i>m<sub>1</sub> m<sub>3</sub> m<sub>SF</sub> 1.5</i></b> .....	1.5 rounds, 4 legs, start-1-3-1-finish
<b>M 2</b> .....	<b><i>m<sub>1</sub> m<sub>3</sub> m<sub>SF</sub> 2</i></b> .....	2 rounds, 5 legs, start-1-3-1-3-finish
<b>M 2.5</b> .....	<b><i>m<sub>1</sub> m<sub>3</sub> m<sub>SF</sub> 2.5</i></b> .....	2.5 rounds, 6 legs, start-1-3-1-3-1-finish
<b>M 3</b> .....	<b><i>m<sub>1</sub> m<sub>3</sub> m<sub>SF</sub> 3</i></b> .....	3 rounds, 7 legs, start-1-3-1-3-1-3-finish

B3.3 On a leg bounded by Marks 1 and 3, the start/finish mark and the RC boat do not have a required side and passing between them is neither required nor prohibited.

B3.4 On a temporary mark course where Mark 1 or 3 is changed in accordance with instructions 10.2(b) and 14, the start/finish mark may also be moved to maintain the course configuration shown above. In such a case, the original start/finish mark will be moved, but not replaced per instruction 10.2(b).



# Chart of SYC Racing Marks



THIS CHART SHOULD NOT BE USED FOR NAVIGATION

# Reckoning of SYC Racing Marks

FROM < TO >	Maintained by SYC										CSA	Maintained by NOYC										LATITUDE	LONGITUDE	
	A	B	C	D	E	F	G	H	T	J	Δ	M	P	R	S	U	V	W	X	Y	Z			
A	A 0.46	292° 0.85	315° 1.11	338° 1.20	000° 1.11	022° 0.85	045° 0.46	068° 0.46	000° 0.60	079° 2.73	019° 2.65	351° 4.56	343° 2.71	035° 5.94	286° 1.24	281° 1.81	300° 1.70	293° 2.22	308° 2.21	319° 1.78	313° 1.22	30°2.000'N	90°6.200'W	A
B	112° 0.46	B 0.46	338° 0.85	000° 0.85	022° 1.11	045° 1.20	067° 1.11	090° 0.85	045° 0.60	084° 3.13	029° 2.66	356° 4.33	352° 2.45	039° 6.05	282° 0.79	277° 1.36	303° 1.24	293° 1.76	312° 1.77	327° 1.38	324° 0.81	30°2.176'N	90°6.690'W	B
C	135° 0.85	158° 0.46	C 0.46	023° 0.46	045° 0.85	067° 1.11	090° 1.20	112° 1.11	090° 0.60	092° 3.29	038° 2.40	358° 3.90	355° 2.01	043° 5.85	246° 0.65	258° 1.20	286° 0.91	280° 1.47	303° 1.37	322° 0.93	308° 0.37	30°2.600'N	90°6.893'W	C
D	157° 1.11	180° 0.85	203° 0.46	D 0.46	067° 0.46	090° 0.85	112° 1.11	135° 1.20	135° 0.60	100° 3.15	041° 1.96	355° 3.49	347° 1.62	045° 5.42	228° 1.03	243° 1.51	260° 1.06	264° 1.63	284° 1.36	293° 0.81	248° 0.51	30°3.024'N	90°6.690'W	D
E	180° 1.20	203° 1.11	225° 0.85	247° 0.46	E 0.46	113° 0.46	135° 0.85	157° 1.11	180° 0.60	105° 2.77	034° 1.56	348° 3.38	331° 1.60	043° 5.00	234° 1.47	244° 1.96	256° 1.51	261° 2.08	275° 1.75	277° 1.18	248° 0.97	30°3.200'N	90°6.200'W	E
F	203° 1.11	225° 1.20	248° 1.11	270° 0.85	293° 0.46	F 0.46	157° 0.46	180° 0.85	225° 0.60	103° 2.32	017° 1.54	342° 3.66	323° 1.98	038° 4.86	247° 1.76	253° 2.30	265° 1.90	266° 2.48	279° 2.20	281° 1.63	262° 1.33	30°3.024'N	90°5.710'W	F
G	225° 0.85	248° 1.11	270° 1.20	293° 1.11	315° 0.85	337° 0.46	G 0.46	202° 0.46	270° 0.60	093° 2.09	008° 1.92	341° 4.12	325° 2.43	033° 5.10	262° 1.82	264° 2.39	277° 2.09	276° 2.66	288° 2.47	293° 1.92	279° 1.51	30°2.600'N	90°5.507'W	G
H	248° 0.46	270° 0.85	293° 1.11	315° 1.20	338° 1.11	000° 0.85	022° 0.46	H 0.46	315° 0.60	082° 2.28	011° 2.37	345° 4.47	334° 2.71	032° 5.56	276° 1.63	275° 2.20	289° 2.01	285° 2.57	298° 2.47	306° 1.98	296° 1.47	30°2.176'N	90°5.710'W	H
T	180° 0.60	225° 0.60	270° 0.60	315° 0.60	000° 0.60	045° 0.60	090° 0.60	135° 0.60	T 0.60	092° 2.69	024° 2.09	350° 3.97	339° 2.15	038° 5.46	258° 1.22	262° 1.79	279° 1.49	277° 2.06	293° 1.90	302° 1.39	284° 0.92	30°2.600'N	90°6.200'W	T
J	259° 2.73	264° 3.13	272° 3.29	280° 3.15	285° 2.77	283° 2.32	273° 2.09	262° 2.28	272° 2.69	J 2.70	318° 2.70	320° 5.25	301° 4.05	009° 4.43	268° 3.88	268° 4.46	275° 4.17	274° 4.75	281° 4.51	282° 3.95	275° 3.60	30°2.500'N	90°3.100'W	J
Δ	199° 2.65	209° 2.66	218° 2.40	221° 1.96	214° 1.56	197° 1.54	188° 1.92	191° 2.37	204° 2.09	138° 2.70	Δ Delta	322° 2.55	273° 1.65	047° 3.47	224° 2.99	231° 3.40	235° 2.86	241° 3.34	246° 2.85	240° 2.35	227° 2.43	30°4.500'N	90°5.200'W	Δ
M	171° 4.56	176° 4.33	178° 3.90	175° 3.49	168° 3.38	162° 3.66	161° 4.12	165° 4.47	170° 3.97	140° 5.25	142° 2.55	M 1.90	182° 1.90	085° 4.13	187° 4.19	194° 4.28	192° 3.73	200° 3.88	198° 3.31	188° 3.19	183° 3.67	30°6.500'N	90°7.027'W	M
P	163° 2.71	172° 2.45	175° 2.01	167° 1.62	151° 1.60	143° 1.98	145° 2.43	154° 2.71	159° 2.15	121° 4.05	093° 1.65	002° 1.90	P 1.90	061° 4.75	190° 2.30	204° 2.46	202° 1.89	216° 2.15	218° 1.58	197° 1.32	184° 1.77	30°4.600'N	90°7.100'W	P
R	215° 5.94	219° 6.05	223° 5.85	225° 5.42	223° 5.00	218° 4.86	213° 5.10	212° 5.56	218° 5.46	189° 4.43	227° 3.47	265° 4.13	241° 4.75	R 4.75	225° 6.45	229° 6.86	230° 6.32	234° 6.76	236° 6.23	232° 5.77	227° 5.89	30°6.870'N	90°2.280'W	R
S	106° 1.24	102° 0.79	066° 0.65	048° 1.03	054° 1.47	067° 1.76	082° 1.82	096° 1.63	078° 1.22	088° 3.88	044° 2.99	007° 4.19	010° 2.30	045° 6.45	S 0.58	271° 0.58	332° 0.58	302° 1.00	332° 1.16	001° 1.00	031° 0.58	30°2.337'N	90°7.581'W	S
U	101° 1.81	097° 1.36	078° 1.20	063° 1.51	064° 1.96	073° 2.30	084° 2.39	095° 2.20	082° 1.79	088° 4.46	051° 3.40	014° 4.28	024° 2.46	049° 6.86	091° 0.58	U 0.58	031° 0.58	331° 0.58	001° 1.00	031° 1.16	061° 1.00	30°2.351'N	90°8.246'W	U
V	120° 1.70	123° 1.24	106° 0.91	080° 1.06	076° 1.51	085° 1.90	097° 2.09	109° 2.01	099° 1.49	095° 4.17	055° 2.86	012° 3.73	022° 1.89	050° 6.32	152° 0.58	211° 0.58	V 0.58	271° 0.58	332° 0.58	031° 0.58	091° 0.58	30°2.845'N	90°7.900'W	V
W	113° 2.22	113° 1.76	100° 1.47	084° 1.63	081° 2.08	086° 2.48	096° 2.66	105° 2.57	097° 2.06	094° 4.75	061° 3.34	020° 3.88	036° 2.15	054° 6.76	121° 1.00	151° 0.58	091° 0.58	W 0.58	031° 0.58	061° 1.00	091° 1.15	30°2.859'N	90°8.565'W	W
X	128° 2.21	132° 1.77	123° 1.37	104° 1.36	095° 1.75	099° 2.20	108° 2.47	118° 2.47	113° 1.90	101° 4.51	066° 2.85	018° 3.31	038° 1.58	056° 6.23	152° 1.16	181° 1.00	152° 0.58	211° 0.58	X 0.58	091° 0.58	121° 1.00	30°3.353'N	90°8.218'W	X
Y	139° 1.78	147° 1.38	142° 0.93	113° 0.81	097° 1.18	101° 1.63	113° 1.92	126° 1.98	122° 1.39	102° 3.95	060° 2.35	008° 3.19	017° 1.32	052° 5.77	181° 1.00	211° 1.16	211° 0.58	241° 1.00	271° 0.58	Y 0.58	151° 0.58	30°3.339'N	90°7.553'W	Y
Z	133° 1.22	144° 0.81	128° 0.37	068° 0.51	068° 0.97	082° 1.33	099° 1.51	116° 1.47	104° 0.92	095° 3.60	047° 2.43	003° 3.67	004° 1.77	047° 5.89	211° 0.58	241° 1.00	271° 0.58	271° 1.15	302° 1.00	331° 0.58	Z 0.58	30°2.831'N	90°7.234'W	Z

Positions subject to variation

Top number is magnetic compass bearing.  
Bottom number is distance in nautical miles.