2018 SAILING INSTRUCTIONS DISTANCE RACES

These Sailing Instructions provide additional information about the Chicago Area Sail Racing Association's Distance Races. These Races are designed to provide outstanding competition for boats wishing to race medium and long distances. Please join us for fun and competition on the lakefront this summer!

## 1. RULES

These Races will be governed by the rules as defined in The Racing Rules of Sailing, 2017-2020 edition, including U.S. Sailing Prescriptions.

## 2. NOTICES TO COMPETITORS

Notices to Competitors will be published on each Race's website, accessible at www.chicagosailracing.org, and will be sent via e-mail and text to all entered competitors. Additionally, the Race Committee will provide courtesy broadcasts during each Race via VHF 78. These broadcasts are intended to assist all boats in understanding how the race is being conducted. Such broadcasts are not grounds for redress. This changes RRS 62.1.

## 3. AMENDMENTS TO SAILING INSTRUCTIONS

Amendments to these Sailing Instructions will be published on each Race's website, accessible via chicagosailracing.org, no later than 24 hours before a Race's start time. As a courtesy, skippers of entered yachts will receive e-mails or text messages regarding amendments, and the Race Committee may broadcast information regarding these amendments via VHF 78. Failure to receive these communications shall not be grounds for redress. No amendments will be made to the Sailing Instructions less than 24 hours prior to the start of a Race.

## 4. SIGNALS MADE ASHORE

In some cases, Organizing Authorities will need to signal information via code flags. Should that occur, the signals will be made at each Organizing Authority's clubhouse. However, the information may also be conveyed via e-mail and text message to skippers of all entered yachts. The Race Committee will provide courtesy broadcasts on VHF 78 to assist sailors in understanding when the race will begin. Failure to receive courtesy e-mails, text messages, or broadcasts are not grounds for redress. This changes RRS 62.1.

## 5. SCHEDULE OF RACES

Schedules of races will be as prescribed in Section 1 of the Notice of Races. Wintirust

## 2018 SAILING INSTRUCTIONS DISTANCE RACES

## 6. RACING AREAS

All races will be conducted in the waters of Lake Michigan. Starting areas for each Race are as follows.

| Spring Opener Distance Race: | $41^{\circ} 57.74 \mathrm{~N} \quad 87^{\circ} 36.40 \mathrm{~W}$ |
| :---: | :---: |
|  | Appx. $095^{\circ} \mathrm{T}$, 1.1 NM from Montrose Breakwater Light (Area A) |
| Chicago to Waukegan: | $41^{\circ} 56.50 \mathrm{~N} \quad 87^{\circ} 36.85 \mathrm{~W}$ |
|  | Appx. $090^{\circ}$ T, 0.9 NM from Belmont Harbor Light |
| Waukegan to Chicago: | $42^{\circ} 21.70 \mathrm{~N} \quad 87^{\circ} 47.90 \mathrm{~W}$ |
|  | Appx. $120^{\circ} \mathrm{T}, 0.5 \mathrm{NM}$ from Waukegan Pierhead |
| Chicago to Michigan City and Return: | $41^{\circ} 52.80 \mathrm{~N} \quad 87^{\circ} 34.46 \mathrm{~W}$ |
|  | Appx. $128^{\circ} \mathrm{T}, 0.9$ NM from Chicago Harbor Light |
|  | (Area E) |
| Gold Star Regatta: | $41^{\circ} 52.80 \mathrm{~N} \quad 87^{\circ} 34.46 \mathrm{~W}$ |
|  | Appx. $128^{\circ} \mathrm{T}$, 0.9 NM from Chicago Harbor Light |
|  | (Area E) |
| Hobelman Regatta Distance Race: | $41^{\circ} 57.74 \mathrm{~N} \quad 87^{\circ} 36.40 \mathrm{~W}$ |
|  | Appx. $095^{\circ} \mathrm{T}$, 1.1 NM from Montrose Breakwater Light |
|  | (Area A) |
| Tri-State: Chicago to St. Joseph: | $41^{\circ} 52.80 \mathrm{~N} \quad 87^{\circ} 34.46 \mathrm{~W}$ |
|  | Appx. $128^{\circ} \mathrm{T}, 0.9$ NM from Chicago Harbor Light |
|  | (Area E) |
| Bi-State: St. Joseph to Chicago: | $42^{\circ} 06.90 \mathrm{~N} \quad 86^{\circ} 30.60 \mathrm{~W}$ |
|  | Appx. $255^{\circ} \mathrm{T}, 0.8 \mathrm{NM}$ from St. Joseph North |
|  | Breakwater Light | Wintirust

## 2018 SAILING INSTRUCTIONS DISTANCE RACES

| 6. RACING AREAS (continued...) |  |
| :---: | :---: |
| Tri-State: St. Joseph to Michigan City: |  |
| Optional starting areas | $42^{\circ} 06.60 \mathrm{~N} \quad 86^{\circ} 30.50 \mathrm{~W}$ |
|  | Appx. $255^{\circ} \mathrm{T}$, 0.8 NM from St. Joseph North |
|  | Breakwater Light |
|  | $42^{\circ} 02.70 \mathrm{~N} \quad 86^{\circ} 34.70 \mathrm{~W}$ |
|  | Appx. $218^{\circ} \mathrm{T}, 5.7 \mathrm{NM}$ from St. Joseph North |
|  | Breakwater Light |
|  | $41^{\circ} 59.60 \mathrm{~N} \quad 86^{\circ} 38.00 \mathrm{~W}$ |
|  | Appx. $218^{\circ} \mathrm{T}$, 9.7 NM from St. Joseph North |
|  | Breakwater Light |
| Tri-State: Michigan City to Chicago: | $41^{\circ} 44.00 \mathrm{~N} \quad 86^{\circ} 54.80 \mathrm{~W}$ |
|  | Appx. $340^{\circ} \mathrm{T}, 0.4 \mathrm{NM}$ from Michigan City |
|  | Breakwater Light |
| Chicago Regatta Distance Race: | $41^{\circ} 52.80 \mathrm{~N} \quad 87^{\circ} 34.46 \mathrm{~W}$ |
|  | Appx. $128^{\circ} \mathrm{T}, 0.9 \mathrm{NM}$ from Chicago Harbor Light |
|  | (Area E) |
| Herb Kaczmarek Distance Race: | $41^{\circ} 57.74 \mathrm{~N} \quad 87^{\circ} 36.40 \mathrm{~W}$ |
|  | Appx. $095{ }^{\circ} \mathrm{T}$, 1.1 NM from Montrose Breakwater Light |
|  | (Area A) |
| Sheldon Clark Regatta Distance Race | $41^{\circ} 56.50 \mathrm{~N} \quad 87^{\circ} 36.85 \mathrm{~W}$ |
|  | Appx. $090^{\circ} \mathrm{T}, 0.9 \mathrm{NM}$ from Belmont Harbor Light |
|  |  |
| Fall Closer Distance Race (to JPYC): | $41^{\circ} 52.80 \mathrm{~N} \quad 87^{\circ} 34.46 \mathrm{~W}$ |
|  | Appx. $128^{\circ} \mathrm{T}, 0.9$ NM from Chicago Harbor Light |
|  | (Area E) |
| Fall Closer Distance Race (from JPYC) | $41 \bigcirc 46.80 \mathrm{~N} \quad 87^{\circ} 32.80 \mathrm{~W}$ |
|  | Appx. $090^{\circ} \mathrm{T}, 1.1 \mathrm{NM}$ from Jackson Park Outer |
|  | Harbor Breakwater Light |

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## 2018 SAILING INSTRUCTIONS DISTANCE RACES

## 7. CHECK-IN/CHECK-OUT

When arriving at the starting area, boats should approach the Race Committee boat, hail their sail number, and receive acknowledgement from the Race Committee. If a boat must withdraw from the race, it must notify the Race Committee via VHF 78.

## 8. COURSES

Courses will be as outlined in the Distance Race Course Table in Attachment A, or as outlined in Amendments to these Sailing Instructions for particular Races.

## 9. THE START

9.1. The starting line will be between a staff displaying an orange flag on the Race Committee signal boat and an orange floating mark. The Race Committee may set a guard mark. If so, boats shall not pass between the guard mark and the signal boat.
9.2. During the starting sequence, the Race Committee will fly the appropriate section flag, as set forth in the below table. Boats racing in JAM and Cruising sections, and in LMPHRF sections, must fly the appropriate section flag on their backstay.

## CLASS

JAM/Cruising Spin

$$
\text { T- } 10
$$

LMPHRF 5,4,3,2,1
BENETEAU 36.7
BENETEAU 40.7
FARR 40

## J 105

J109
Jll
Multihull

7

## CLASS FLAG

V
0 (zero)
5,4,3,2,1
6
7
8
J
9
E
M
9.3 Boats whose class signal has not been made shall keep clear of the starting area.
9.4 Any boat starting more than 10 minutes after its class's start will be scored DNS.
9.5 Individual recalls will be signaled in accordance with RRS 29.1. The Race Committee will attempt to hail OCS boats by sail number via VHF 78. Failure to make or hear such hails is not grounds for redress. This changes RRS 62.1 (a).

## 9. THE START (continued...)

9.6 General recalls will be signaled in accordance with RRS 29.2. The warning signal for restart of a class follow ing a general recall shall be made one minute after the first substitute is removed.

## 10. THE FINISH

10.1 The finish line will be between a staff displaying a blue flag on the Race Committee signal boat and the course side of a finishing mark, which should be left to port. The Race Committee signal boat should be left to starboard. Unless the Race Committee shortens the course, the finish location will be located at the same place as the starting areas, with the exception of the following:

| Spring Opener Distance Race | $41^{\circ} 57.72 \mathrm{~N} \quad 87^{\circ} 38.50 \mathrm{~W}$ <br> off Montrose Point |
| :---: | :---: |
| Chicago to Waukegan: | $42^{\circ} 21.70 \mathrm{~N} \quad 87^{\circ} 47.90 \mathrm{~W}$ |
|  | Appx. $120^{\circ} \mathrm{T}$, 0.5 NM from Waukegan Pierhead |
| Waukegan to Chicago: | $41^{\circ} 56.50 \mathrm{~N} \quad 87^{\circ} 36.85 \mathrm{~N}$ |
|  | Appx. $090^{\circ} \mathrm{T}, 0.9 \mathrm{NM}$ from Belmont Harbor Light |
| Chicago to Michigan City and Return: | $41^{\circ} 52.80 \mathrm{~N} \quad 87^{\circ} 34.46 \mathrm{~W}$ |
|  | Appx. $128^{\circ} \mathrm{T}$, 0.9 NM from Chicago Harbor Light |
|  | (Area E) |
| Gold Star Regatta: | $41 \bigcirc 46.80 \mathrm{~N} \quad 87^{\circ} 32.80 \mathrm{~W}$ |
|  | Appx. $090^{\circ} \mathrm{T}$, 1.1 NM from Jackson Park Outer |
|  | Harbor Breakwater Light |
| Hobelman Regatta Distance Race: | $41^{\circ} 57.72 \mathrm{~N} \quad 87^{\circ} 38.50 \mathrm{~W}$ |
|  | off Montrose Point |
| Tri-State: Chicago to St. Joseph: | $42^{\circ} 06.83 \mathrm{~N} \quad 86^{\circ} 30.17 \mathrm{~N}$ |
|  | Appx. $240^{\circ} \mathrm{T}, 0.4 \mathrm{NM}$ from St. Joseph North |
|  | Pierhead Light | MINTRUSTT

## 2018 SAIIING INSTRUCTIONS DISTANCE RACES

## 10. THE FINISH (contnued...)

Bi-State: St. Joseph to Chicago:

Tri-State: St. Joseph to Michigan City: Optional Finish Areas

Tri-State: Michigan City to Chicago:

Herb Kaczmarek Distance Race:

Fall Closer Distance Race (to JPYC):

Fall Closer Distance Race (from JPYC):
$41^{\circ} 54.33 \mathrm{~N} \quad 87^{\circ} 32.38 \mathrm{~W}$
Appx. $031^{\circ} \mathrm{T}$, 2.3 NM from Four Mile Crib (Area D)
$41^{\circ} 51.70 \mathrm{~N} \quad 86^{\circ} 46.50 \mathrm{~W}$
Appx. $045^{\circ} \mathrm{T}, 10.0 \mathrm{NM}$ from Michigan City Harbor Entrance
$41^{\circ} 48.60 \mathrm{~N} \quad 86^{\circ} 49.80 \mathrm{~W}$
Appx. $045^{\circ}$ T, 6.1 NM from Michigan City Harbor
Entrance
$41^{\circ} 44.64 \mathrm{~N} \quad 86^{\circ} 53.95 \mathrm{~W}$
Appx. $045^{\circ} \mathrm{T}, 1.0 \mathrm{NM}$ from Michigan City Harbor Entrance
$41^{\circ} 51.94 \mathrm{~N} \quad 87^{\circ} 32.37 \mathrm{~W}$
Appx. $150^{\circ} \mathrm{T}, 0.5 \mathrm{NM}$ from Four Mile Crib
$41^{\circ} 57.72 \mathrm{~N} \quad 87^{\circ} 38.50 \mathrm{~W}$
off Montrose Point
$41 \circ 46.80 \mathrm{~N} \quad 87^{\circ} 32.80 \mathrm{~W}$
Appx. $090^{\circ}$ T, 1. 1 NM from Jackson Park Outer Harbor Breakwater Light
$41^{\circ} 56.50 \mathrm{~N} \quad 87^{\circ} 36.85 \mathrm{~W}$
Appx. $090^{\circ}$ T, 0.9 NM from Belmont Harbor Light (Area B)

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## 2018 SAILING INSTRUCTIONS DISTANCE RACES

## 10. THE FINISH (contnued...)

10.2 For the following races, boats must display reflective sailboard numbers at the finish, on the sides of the boat as indicated below. Boats failing to display number boards shall be penalized in accordance with Section 13 of these Sailing Instructions.

## Chicago to Waukegan:

Waukegan to Chicago:
Chicago to Michigan City and Return:
Tri-State: Chicago to St. Joseph:
Bi-State: St. Joseph to Chicago:
Tri-State: St. Joseph to Michigan City:
Tri-State: Michigan City to Chicago:

Port
Starboard
Starboard
Starboard
Starboard
Starboard
Starboard
10.3 Boats racing in the Chicago to Michigan City and Return, the Chicago to St. Joseph Race (Tri-State), and the St. Joseph to Chicago Race must check in with the Race Committee one mile from the finish line via VHF 78.
10.4 For the following races, yachts shall e-mail a Yacht Finish Report to the e-mail addresses indicated within three hours of finishing. Yacht finish reports shall include: 1) boat name; 2) sail number; 3) owner name; 4) finish time (timed or approximate); 4) finish time of yacht ahead (timed or approximate); and 5) finish time of yacht astern (timed or approximate)

Chicago to Waukegan:
Waukegan to Chicago:
Chicago to Michigan City and Return:
Tri-State: Chicago to St. Joseph:
Bi-State: St. Joseph to Chicago:
Tri-State: St. Joseph to Michigan City:
Tri-State: Michigan City to Chicago:
spiffire_3@netzero.com
radiance@mac.com
capffolie@aol.com
captfolie@aol.com
ipycvicecommodore@yahoo.com
Herbert.PhilbrickIII@arcelormittal.com
ipycvicecommodore@yahoo.com

When addressing e-mail yacht finish report "re" lines, the following convention shall be used:
Yacht's Name (Sail Number)
10.5 If the Race Committee boat is absent from the designated finish line, an Alternate Finish Line may be described in each Race's Amendment to these Sailing Instructions, and boats should cross the alternate finish line. Upon doing so, the boat must report its finish time (per its GPS) to the Race Committee via VHF 78.

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$$ 2018 SAILING INSTRUCTIONS DISTANCE RACES

## 11. TIME LIMITS

The time limit for each race will be 1700 hours, except the following races, which shall have time limits as stated below:

Chicago to Waukegan:
Waukegan to Chicago:
Chicago to Michigan City and Return:
Tri-State (Chicago to St. Joseph):
Bi-State (St. Joseph to Chicago):
Tri-State (St. Joseph to Michigan City):
Tri-State (Michigan City to Chicago):

1800 hours
1800 hours
1400 hours (June 30)
1300 hours (Sept. 1)
0100 hours (Sept. 3)
1800 hours
2000 hours

## 12. PROTESTS AND REQUESTS FOR REDRESS

12.1 A boat intending to protest or seek redress shall notify the Race Committee of the sail number(s) of the boat(s) being protested immediately after finishing and shall receive specific acknowledgment.
12.2 Protests and requests for redress shall be filed with the Race Committee by 1200 hours on the first weekday following the weekend's races. Protests shall be submitted via e-mail to protests@chicagosailracing.org.
12.3 Protest and redress hearings will be scheduled by each Organizing Authority's Protest Committee.
12.4 Violations of Section 4 of the Notice of Races are protestable only by the Race Committee.

## 13. PENALTY SYSTEM

13.1 RRS 44.3 shall apply, modified as follows: "The corrected finish of a boat that accepts a penalty under RRS 44.3 shall be $20 \%$ of the number of boats started in that class, taken to the higher whole number, but such penalty shall place a yacht no worse than last in her class. Her adjusted place, for determining her placement in her division, shall be one second greater than the time of the boat placing just before her in her division. This changes RRS A.4.1 and A5.
13.2 A boat successfully protested by the Race Committee for failing to properly display her class or sail number board as required, shall be penalized one place in her class. Her corrected time shall be the next boat to finish in her class, plus one second. This changes RRS A4.1 and A5.

## 14. SECTION BREAKS AND SCORING

Each race addressed herein will be scored individually. Section breaks will be set by each Organizing Authority, and be transmitted to competitors by 1200 hours, via e-mail or text, on Thursday prior to each weekend's race(s).

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## 2018 SAILING INSTRUCTIONS

 DISTANCE RACES
## 15. PRIZES

Prizes will be awarded as described in the Notice of Races. Each Organizing Authority will provide information about prize-giving ceremonies via e-mail and text to all competitors.

## 16. THANKS

Thanks to all sailors for joining us for these Races!

## 2018 SAILING INSTRUCTIONS

## DISTANCE RACES

## ADDENDUM A

 DISTANCE RACE COURSES FOR AREA ELight List \# Rounding/ Crossing Approx. Distance Approximate Direction
( nm )
Location


| Course B -- TEAL |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Start |  |  |  | $41^{\circ} 52.80 \mathrm{~N}$ |
|  |  |  |  | $87^{\circ} 34.46 \mathrm{~W}$ |
| Clemson Shoal Buoy 4 | 19910 | Mark to starboard | 5.0 | $41^{\circ} 48.40 \mathrm{~N}$ |
|  |  |  |  | $87^{\circ} 32.90 \mathrm{~W}$ |
| 68th Street Crib Light | 19870 | Mark to starboard | 1.2 | $41^{\circ} 47.20 \mathrm{~N}$ |
|  |  |  |  | $87^{\circ} 31.90 \mathrm{~W}$ |
| Clemson Shoal Buoy 4 | 19910 | Mark to port | 1.2 | $41^{\circ} 48.40 \mathrm{~N}$ |
|  |  |  |  | $87^{\circ} 32.00 \mathrm{~W}$ |
| Finish |  |  | 5.0 | $41^{\circ} 52.80 \mathrm{~N}$ |
|  |  |  |  | $87^{\circ} 34.46 \mathrm{~W}$ |
|  |  |  | 11.9 |  |

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## 2018 SAILING INSTRUCTIONS DISTANCE RACES

## ADDENDUM A DISTANCE RACE COURSES FOR AREA E

Light List \# Rounding/ Crossing Approx. Distance Approximate Direction (nm) Location

| Course C -- YELLOW |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Start |  |  |  | $41^{\circ} 52.80 \mathrm{~N}$ |
|  |  |  |  | $87^{\circ} 34.46 \mathrm{~W}$ |
| Wilson Ave Intake Crib Light | 20135 | Mark to starboard | 5.2 | $41^{\circ} 58.00 \mathrm{~N}$ |
|  |  |  |  | $87^{\circ} 35.50 \mathrm{~W}$ |
| CCYC SE2 | White PVC | Mark to starboard | 3.6 | $41^{\circ} 55.83 \mathrm{~N}$ |
|  | Buoy |  |  | $87^{\circ} 31.63 \mathrm{~W}$ |
| Harrison Dever Crib | 20040 | Mark to port | 2.3 | $41^{\circ} 54.59 \mathrm{~N}$ |
|  |  |  |  | $87^{\circ} 34.23 \mathrm{~W}$ |
| Four Mile Crib |  | Mark to starboard | 2.8 | $41^{\circ} 52.22 \mathrm{~N}$ |
|  |  |  |  | $87^{\circ} 32.23 \mathrm{~W}$ |
| Finish |  | East to west | 1.76 | $41^{\circ} 52.80 \mathrm{~N}$ |
|  |  |  |  | $87^{\circ} 34.46 \mathrm{~W}$ |

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## 2018 SAILING INSTRUCTIONS DISTANCE RACES

## ADDENDUM A DISTANCE RACE COURSES FOR AREA E

Light List \# Rounding/ Crossing Approx. Distance Approximate Direction (nm) Location

| Course D -- PINK |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Start |  |  |  | $41^{\circ} 52.80 \mathrm{~N}$ |
|  |  |  |  | $87^{\circ} 34.46 \mathrm{~W}$ |
| Clemson Shoal Lighted | 19910 | Mark to starboard | 4.73 | $41^{\circ} 48.41 \mathrm{~N}$ |
| Bell Buoy 4 |  |  |  | $87^{\circ} 32.08 \mathrm{~W}$ |
| 68th Street Crib Light | 19870 | Mark to port | 1.24 | $41^{\circ} 47.16 \mathrm{~N}$ |
|  |  |  |  | $87^{\circ} 31.88 \mathrm{~W}$ |
| Clemson Shoal Lighted | 19910 | Mark to port | 1.24 | $41^{\circ} 48.41 \mathrm{~N}$ |
| Bell Buoy 4 |  |  |  | $87^{\circ} 32.08 \mathrm{~W}$ |
| Harrison Dever Crib | 20040 | Mark to starboard | 6.38 | $41^{\circ} 54.59 \mathrm{~N}$ |
|  |  |  |  | $87^{\circ} 34.23 \mathrm{~W}$ |
| CCYC SE2 | White PVC | Mark to starboard | 2.3 | $41^{\circ} 55.83 \mathrm{~N}$ |
|  | mark |  |  | $87^{\circ} 31.63 \mathrm{~W}$ |
| Finish |  | East to west | 3.69 | $41^{\circ} 52.80 \mathrm{~N}$ |
|  |  |  |  | $87^{\circ} 34.46 \mathrm{~W}$ |
|  |  |  | 19.58 |  |

## ADDENDUM A DISTANCE RACE COURSES FOR AREA E

Light List \# Rounding/ Crossing Approx. Distance Approximate Direction (nm)

Location

| Course E -- PURPLE |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Start |  |  |  | $41^{\circ} 52.80 \mathrm{~N}$ |
|  |  |  |  | $87^{\circ} 34.46 \mathrm{~W}$ |
| CCYC E2 | White PVC <br> mark | Mark to port | 5.17 | $\begin{aligned} & 41^{\circ} 57.74 \mathrm{~N} \\ & 87^{\circ} 32.40 \mathrm{~W} \end{aligned}$ |
| Wilson Ave Intake Crib Light | 20135 | Mark to port | 2.32 | $41^{\circ} 58.00 \mathrm{~N}$ |
|  |  |  |  | $87^{\circ} 35.50 \mathrm{~W}$ |
| Chicago Corinthian SE2 | White PVC | Mark to starboard | 3.6 | $41^{\circ} 55.83 \mathrm{~N}$ |
|  | mark |  |  | $87^{\circ} 31.63 \mathrm{~W}$ |
| Harrison Dever Crib $87^{\circ} 34.23 \mathrm{~W}$ | 20040 | Mark to starboard | 2.3 | $41^{\circ} 54.59 \mathrm{~N}$ |
| Wilson Ave Intake Crib Light $87^{\circ} 35.50 \mathrm{~W}$ | 20135 | Mark to starboard | 3.54 | $41^{\circ} 58.00 \mathrm{~N}$ |
| Finish |  | East to west | 5.26 | $41^{\circ} 52.80 \mathrm{~N}$ |
|  |  |  |  | $87^{\circ} 34.46 \mathrm{~W}$ |
|  |  |  | 22.19 |  |

## 2018 SAILING INSTRUCTIONS

## DISTANCE RACES

ADDENDUM A DISTANCE RACE COURSES FOR AREA E

|  | Light List \# | Rounding/ Crossing Direction | Approx. Distance (nm) | Approximate Location |
| :---: | :---: | :---: | :---: | :---: |
| Course F -- BLUE |  |  |  |  |
| Start |  |  |  | $41^{\circ} 52.80 \mathrm{~N}$ |
|  |  |  |  | $87^{\circ} 34.46 \mathrm{~W}$ |
| Harrison Dever Crib | 20040 | Mark to starboard | 2.19 | $41^{\circ} 54.59 \mathrm{~N}$ |
|  |  |  |  | $87^{\circ} 34.23 \mathrm{~W}$ |
| Four Mile Crib |  | Mark to starboard | 2.9 | $41^{\circ} 52.22 \mathrm{~N}$ |
|  |  |  |  | $87^{\circ} 32.23 \mathrm{~W}$ |
| Clemson Shoal Lighted | 19910 | Mark to starboard | 3.97 | $41^{\circ} 48.41 \mathrm{~N}$ |
| Bell Buoy 4 |  |  |  | $87^{\circ} 32.08 \mathrm{~W}$ |
| 68th Street Crib Light | 19870 | Mark to starboard | 1.25 | $41^{\circ} 47.18 \mathrm{~N}$ |
|  |  |  |  | $87^{\circ} 31.88 \mathrm{~W}$ |
| Clemson Shoal Lighted | 19910 | Mark to port | 1.25 | $41^{\circ} 48.41 \mathrm{~N}$ |
| Bell Buoy 4 |  |  |  | $87^{\circ} 32.08 \mathrm{~W}$ |
| Four Mile Crib |  | Mark to port | 5.21 | $41^{\circ} 52.22 \mathrm{~N}$ |
|  |  |  |  | $87^{\circ} 32.23 \mathrm{~W}$ |
| Finish |  | East to west | 1.39 | $41^{\circ} 52.80 \mathrm{~N}$ |
|  |  |  |  | $87^{\circ} 34.46$ W |

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## ADDENDUM A DISTANCE RACE COURSES FOR AREA E

Light List \# Rounding/ Crossing Approx. Distance Approximate Direction (nm) Location

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