



Sailing Instructions
PHRF Regatta 2016
Revised July 29, 2016

Hosted by Thunder Bay Yacht Club

REGATTA COMMITTEE

Regatta Chair	Andre St. Jacques
Principal Race Officer (PRO).....	Eric Hansen
Ratings Officer	Bob Vander Ploeg
Scoring	James Gracey
Protest Committee	Bob Vander Ploeg
Race Committee Boat	Kristy Vannieuwenhuizen

1. RULES

- 1.1. This regatta will be governed by the rules as defined in the Racing Rules of Sailing 2013-2016.
- 1.2. Advertising will conform to rule 79 – category A.

2. NOTICES TO COMPETITORS

- 2.1. Notices will be posted on the notice board located in Breakwater Taphouse which is located within the CN Station. Breakwater Taphouse will be considered the event's official "Race Headquarters"
- 2.2. Any questions during the regatta concerning these sailing instructions, scoring, or any other racing issues shall be submitted in writing to Race Headquarters. Inquiries and responses will be posted on the official regatta notice board.
- 2.3. All competitors are requested to monitor VHF channel 72 each day beginning at 10:00 EDT for the race course start line location, postponements, and other announcements from the Principal Race Officer.
- 2.4. Competitors are not to contact the Race Committee Boat by VHF or verbally unless specifically requested to do so by the Race Committee Boat, or in cases where a competitor is reporting the intent to protest another competitor.

3. CHANGES TO SAILING INSTRUCTIONS

- 3.1. All changes to the sailing instructions will be posted by 09:00 EDT on the day it will take effect.
- 3.2. Any changes to the race schedule will be posted by 20:00 EDT on the day before it will take effect.

4. SKIPPERS' MEETINGS

- 4.1. Skippers' Meetings are mandatory both Saturday 09:30 and Sunday 09:30. Both Skippers' Meetings will be held at Race Headquarters.

5. SCHEDULE AND TIME OF RACES

- 5.1. Friday: Friday night consists of an optional "Pursuit Race". Yachts sail a predetermined race course and will have individual start times assigned according to their PHRF handicap. The yacht that finishes the course first is the overall winner (one division). The winner will be presented with prizes. The pursuit race is intended as an optional "for fun" race and "Points" and/or placement will not contribute to the overall weekend scoring of the event.
- 5.2. Saturday: The Race Committee intends to run three windward-leeward Buoy Races on Course A on Saturday. See Diagram 1 for a course description. After all boats have finished a given race the Race Committee will signal its intent to run the next race by displaying a blue RC flag from the Race Committee Boat. The blue RC flag on the Race Committee Boat will be lowered with one sound signal five minutes prior to the warning signal for the next race. The blue RC flag will be used only to communicate the intent to "run the next race" and will therefore not be displayed prior to the first race.
- 5.3. Sunday: A medium distance race will be held on Sunday on Course B. See Diagram 2 for a course description. Race Committee will confirm the specific course and length at the Skippers' Meeting on Sunday morning.
- 5.4. Race Start Times: The scheduled time of the beginning of the five minute start sequence for the first division in the first race on Saturday is 11:00 EDT. Scheduled time of start for the Sunday Race is 11:00 EDT. Actual start sequence start time is at the discretion of the Race Committee but will not be earlier than 11:00 EDT either day.
- 5.5. Race Cut-Off Time: No race start sequence will be started after 15:30 EDT either day.

6. DIVISIONS AND DIVISION FLAGS

- 6.1. Anticipated divisions are "A", "B" and "C". A "D" fleet can be accommodated as well if suitable. Divisions and fleet distributions will be determined no later than the Saturday morning Skippers' Meeting.

7. HANDICAP RATINGS

- 7.1. Handicap ratings will be based on the Lake Michigan Performance Handicap Racing Fleet (LMPHRF) system. All yachts can receive a handicap rating as determined by the Rating Committee of the LMPHRF by visiting www.lmphrf.org.
- 7.2. Yachts without a valid LMPHRF certificate will be assigned a provisional handicap rating. Yachts assigned a provisional rating shall not be entitled to protest, appeal, or request redress the handicap rating assignment.
- 7.3. Handicap ratings for the regatta will be posted at Saturday's Skippers' Meeting.

8. ONE DESIGN CLASSES

- 8.1. Yachts racing in a designated one-design class must meet the one design class rules for that class.

9. EQUIPMENT AND MEASUREMENT CHECKS

- 9.1. While racing, all transom-mounted motors shall be either be stowed aboard or left mounted on the transom of the boat.
- 9.2. While racing, all yachts shall carry the minimum safety equipment as required by the governing authority of their respective country.
- 9.3. For the start and finish of each race, each crewmember is encouraged but not required to wear an approved life preserver or PFD.
- 9.4. A boat or equipment may be inspected at any time for compliance with the class rules and sailing instructions. A boat can be inspected by a Race Committee officer for safety equipment and compliance with the PHRF and class regulations, and may be asked to proceed immediately to a designated area for inspection.

10. SATURDAY COURSES

- 10.1. General race area, including the start and finish lines, will be outside the break wall of the Thunder Bay Harbour and within the Bay of Thunder Bay. The Principal Race Officer (PRO) will determine specific race locations. Depending on wind conditions the Race Committee Boat may move races as necessary.
- 10.2. Saturday buoy racing Course A is described in Diagram 1.
- 10.3. The approximate length and compass bearing of the first leg will be displayed from the Race Committee Boat prior to the warning signal.
- 10.4. Courses may be modified by using an offset mark at the windward mark, shortening or deleting the last leg.

11. SUNDAY COURSES

- 11.1. Sunday medium distance Course B is described in Diagram 2.
- 11.2. The start and finish lines will be located inside the break wall of the Thunder Bay Harbour in the vicinity of Prince Arthurs' Landing Marina "Pier 1".

12. SIGNALS

12.1. Signals made ashore will be displayed from the Race Committee Boat at its dock (Dinghy Dock Pier 1). On water signals will be made from the Race Committee boat.

12.2. Postponement is indicated by the "AP", Answering Pennant, with two sound signals. No attempt will be made to indicate the time of the "warning signal" of the next race.



12.3. AP/Postponement signals made ashore: When the AP flag is lowered the time of the next race warning signal will be announced verbally and via VHF channel 72.

12.4. AP/Postponement signals on water: When the AP flag is lowered the time of the next race warning signal will be one minute from the time the AP flag was lowered.

12.5. Start signals for each fleet shall be according to attached Diagrams 3 and 4.

13. THE START

13.1. Races will be started using rule 26 with divisions starting at 5 minute intervals. The starting signal of the preceding division shall be the preparatory signal for each succeeding division. Slower divisions (higher rated yachts) shall start first.

13.2. The starting line will be between an orange flag on the Race Committee Boat and a starting mark a distance from its port side. A race marker towed astern of the Race Committee Boat will be considered to be a part of the Race Committee Boat.

13.3. The starting area will extend 300 feet perpendicularly to windward and on a radial, 45 degrees to leeward, away from the starting line. Yachts shall stand clear of the starting area until their 5 minute warning has been made. Yachts that fail to abide by these restrictions may be subject to disqualification or 5 minute time penalty imposed by the Race Committee.

14. RECALLS

14.1. Individual recalls will be in accordance with racing rule 29.1. Flag "X" will be displayed and accompanied by a single sound signal. The Race Committee Boat will attempt to notify premature starters by hail and/or VHF radio channel 72, but is under no obligation to do so.



14.2. General recall will be in accordance with racing rule 29.2. The "First Substitute" flag will be displayed and accompanied by two sound signals.



15. CHANGE OF THE NEXT LEG OF THE COURSE

15.1. 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 “C” flag will be displayed from the committee boat indicating the position of the *next* mark has changed.



15.2. In conjunction with the “C” flag a green or red flag *may* also be flown, indicating the relative direction in which the *next* mark has been moved. A green flag will indicate that the next mark has been moved more to starboard. A red flag will indicate that the next mark has been moved more port.



16. SHORTENED COURSE

16.1. In the event of a shortened course, an “S” flag will be flown from the committee boat marking the end of the finish line. A long horn blast will be sounded when the flag is hoisted.



17. THE FINISH COURSE A AND B

17.1. Course A finish line will be between the orange flag on the Race Committee Boat and a nearby mark. Finishing yachts will leave Race Committee Boat to starboard for Course A finishes.

17.2. Course B finish line will be between two orange marks situation near the end of Pier 1, inside the break wall of Prince Arthurs' Landing Marina. Yachts will pass through this line in a southerly direction.

18. PENALTY SYSTEM AND PROTESTS

18.1 The penalties will be assessed using rules 44.1 and 44.2 for this series.

18.2 For protests involving an alleged breach of the rules a short arbitration hearing *may* be held prior to a protest hearing. Protest hearings will be run in accordance with the sailing instructions.

18.3 A boat intending to protest shall notify the Race Committee Boat within 15 minutes of finishing its race. Notification shall include the name of the protestor and protestee. When notifying the Race Committee Boat, boats shall do so in a manner that will not interfere with the Race Committee's duties. The protest committee shall extend the time for notification if there is good reason to do so.

18.4 Written protests shall be delivered to the Protest Committee within one hour of the Race Committee boat's recorded docking time.

19. TIME LIMIT

19.1. The time limit for Saturday Course A buoy races will be two hours for first boat to finish in each division for each buoy race. The time limit for the Sunday Course B medium distance race will be five hours unless modified by the PRO.

19.2. No race start sequence will be started after 1530 EDT either day.

20. RETIREMENT

20.1. A boat that retires from a race, or elects not to compete in subsequent races on a day with additional scheduled races, is asked to notify the PRO or Race Committee representative before leaving the race area. This message may be relayed via other yachts. Failure to notify may result in disqualification from the race.

21. SCORING

21.1. Saturday races will be scored using the Time-On-Time (TOT) method.

21.2. The Sunday racer will be scored using the Time-On-Distance (TOD) method.

21.3. There are no throw-outs.

21.4. The low point scoring system will be used, per RRS appendix A4.

21.5. Ties on points within a division will be broken as per rules A8.1 and A8.2.

21.6. Awards will be distributed as follows:

21.6.1. Division A - 1st place award and honorable mention for 2nd and 3rd places.

21.6.2. Division B - 1st place award and honorable mention for 2nd and 3rd places.

21.6.3. Division C - 1st place award and honorable mention for 2nd and 3rd places.

21.6.4. 1st PHRF Champion Over-All. The overall award recipient will be determined in this order of precedence: a) lowest total points within applicable division, b) tie-break on points as per rules A8.1 and A8.2, and c) Lowest total accumulated corrected time for all races raced.

Diagram 1: Course A

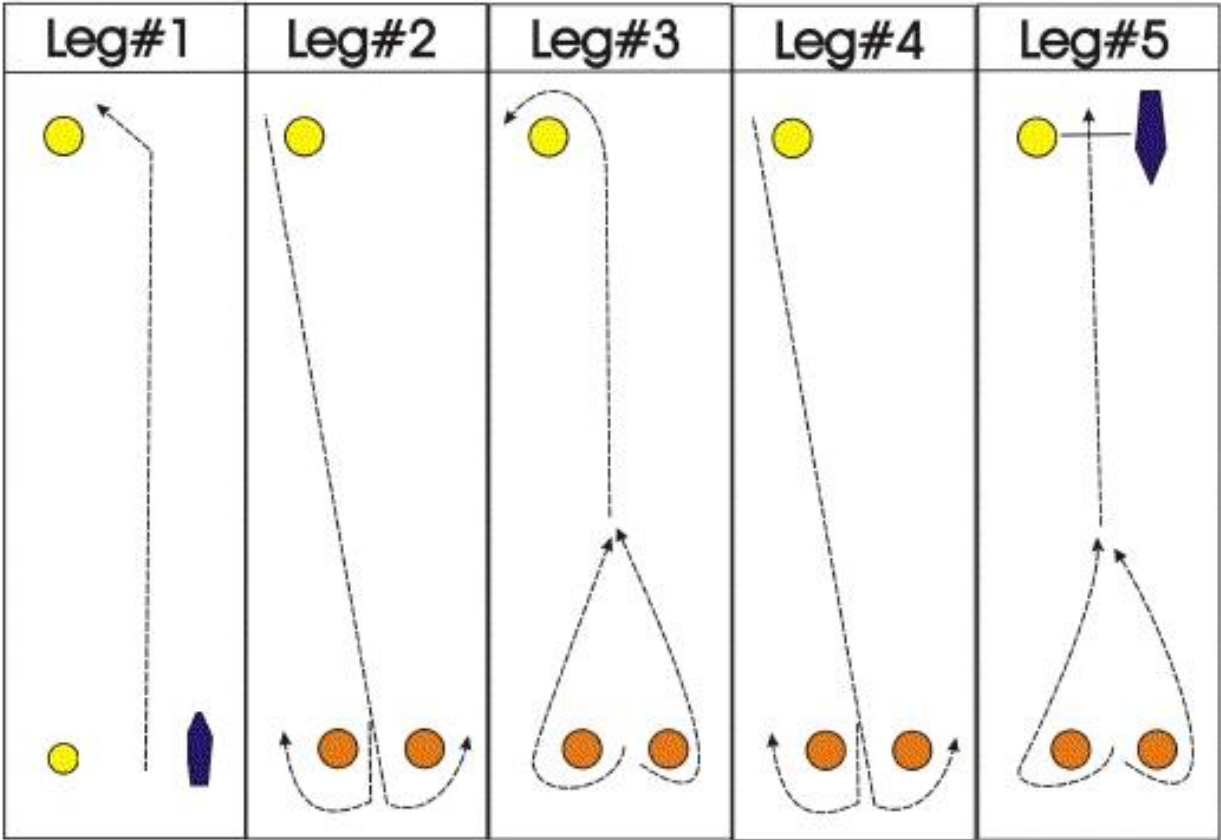
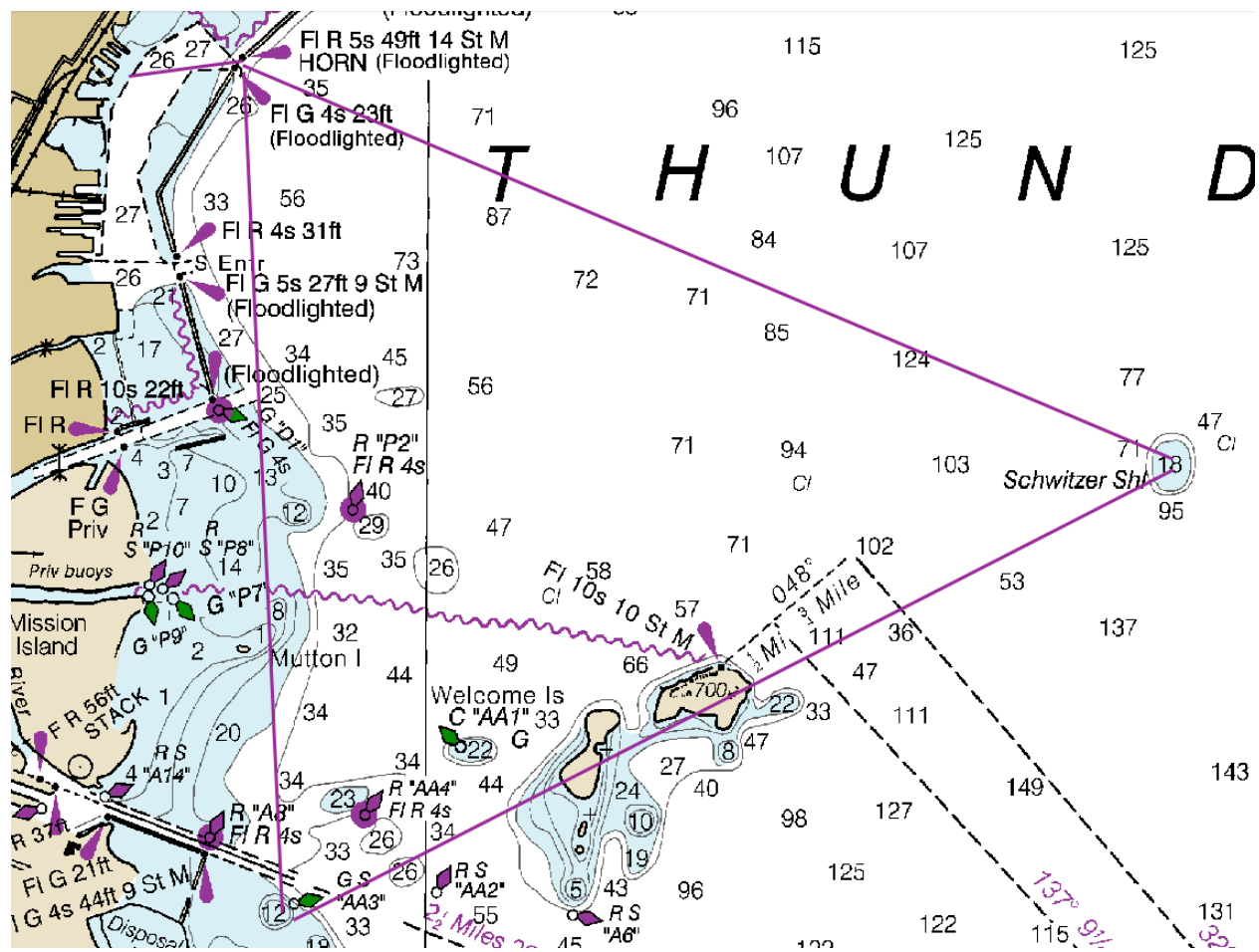


Diagram 2: Course B



- The starting line will be located inside the break wall of the Thunder Bay Harbour, in the vicinity of Prince Arthurs' Landing Marina "Pier 1".
- The starting line will be between an orange flag on the Race Committee Boat and a starting mark a distance from it. The start line will be oriented approximately perpendicular to the Main Gap and not necessarily be an "upwind" starting direction.
- Yachts will pass through the start line in a north-easterly direction. regardless of wind direction or Race Committee Boat position relative to the nearby orange tetrahedral racing mark. Yachts will proceed to the Main Gap.
- After passing through the Main Gap yachts will proceed in a southerly direction to navigational mark "AA3". AA3 shall be left to port.
- After rounding AA3 yachts will proceed in a north-easterly direction to an orange tetrahedral racing mark located on Schwitzer Shoal (48 degrees 23.417 minutes North and 89 degrees 03.017 minutes West). The orange tetrahedral racing mark at Schwitzer Shoal shall be left to port.
- After rounding the orange tetrahedral racing mark at Schwitzer Shoal yachts will proceed in a north-westerly direction to the Main Gap.
- After passing through the Main Gap yachts will proceed to the finish line. The finish line will be located in the vicinity of Prince Arthurs' Landing Marina "Pier 1". The finish line will either consist of: a) two orange tetrahedral racing marks, or b) the Race Committee Boat and an orange tetrahedral racing mark a distance from it. The finish line will be oriented approximately perpendicular to the Main Gap. Yachts will pass through the finish line in a south-westerly direction regardless of wind direction or Race Committee Boat position relative to the nearby orange tetrahedral racing mark.
- For TOD scoring purposes the course length is determined to be 19,2 nautical miles.

Table 1: Starting Sequence for PHRF Regatta – 3 Fleets






































CLOCK TIME	SEQ TIME	FLAG 1	FLAG 2	HORN SIGNAL	ACTION OF RACE COMMITTEE
-00:05:00	-5	RC			FLOWN WHEN COMMITTEE BOAT IS ON STATION RC FLAG LOWERED
0:00:00	0	C			DIVISION FLAG HOISTED
00:01:00	1	C			PREPATORY FLAG HOISTED
00:04:00	4	C			PREPATORY FLAG LOWERED
00:05:00	5				DIVISION FLAG LOWERED
00:05:00	5	B			DIVISION FLAG HOISTED
00:06:00	06	B			PREPATORY FLAG HOISTED
00:09:00	09	B			PREPATORY FLAG LOWERED
00:10:00	10				DIVISION FLAG LOWERED
00:10:00	10	A			DIVISION FLAG HOISTED
00:11:00	11	A			PREPATORY FLAG HOISTED
00:14:00	14	A			PREPATORY FLAG LOWERED
00:15:00	15				DIVISION FLAG LOWERED

Table 2: Starting Sequence for PHRF Regatta – 4 Fleets

CLOCK TIME	SEQ TIME	FLAG 1	FLAG 2	HORN SIGNAL	ACTION OF RACE COMMITTEE
-00:05:00	-5	RC			FLOWN WHEN COMMITTEE BOAT IS ON STATION RC FLAG LOWERED
0:00:00	0	D			DIVISION FLAG HOISTED
00:01:00	1	D			PREPATORY FLAG HOISTED
00:04:00	4	D			PREPATORY FLAG LOWERED
00:05:00	5				DIVISION FLAG LOWERED
00:5:00	5	C			DIVISION FLAG HOISTED
00:06:00	06	C			PREPATORY FLAG HOISTED
00:09:00	09	C			PREPATORY FLAG LOWERED
00:10:00	10				DIVISION FLAG LOWERED
00:10:00	10	B			DIVISION FLAG HOISTED
00:11:00	11	B			PREPATORY FLAG HOISTED
00:14:00	14	B			PREPATORY FLAG LOWERED
00:15:00	15				DIVISION FLAG LOWERED
00:15:00	15	A			DIVISION FLAG HOISTED
00:16:00	16	A			PREPATORY FLAG HOISTED
00:19:00	19	A			PREPATORY FLAG LOWERED
00:20:00	20				DIVISION FLAG LOWERED