# HERRINGTON HARBOUR
SAILING ASSOCIATION

HHSA
COURSE BOOK
2019

Approved by the Board of Directors, Herrington Harbour Sailing Association, February 2019

Table of Contents

Note:

The course diagrams and thumbnail summaries are provided for convenience. If there are discrepancies between the course diagrams, alpha-numeric course descriptions (e.g., 83A(P)→A(P)), the Text Course Summary, or the Thumbnail Course Summary, then the alpha-numeric course descriptions associated with each course diagram shall take precedence. Furthermore, if there is a discrepancy between the Course Book and the event Sailing Instructions, the Sailing Instructions shall take precedence.

Text Course Summary

Course A - North Strong Wind
<u>Long Course: (7.2 nm)</u>
Start → B(S) → 83A(S) → 81A(S) → G1(P) → A(P)
<u>Short Course: (5.3 nm)</u>
Start → B(S) → 81A(S) → G1(P) → A(P)

Course B- North Light Wind
<u>Long Course: (4.0 nm)</u>
Start → B(S) → C(S) →G1(S) → A(P)
<u>Short Course: (3.1 nm)</u>
Start → B(S) → G1(S) → A(P)

Course C - Northeast Strong Wind
<u>Long Course: (7.7 nm)</u>
Start → 83A(P) → A(P) → C(P) → A(P)
<u>Short Course: (4.6 nm)</u>
Start → 83A(P) → A(P)

Course D - Northeast Light Wind
<u>Long Course: (6.2 nm)</u>
Start→C(P) → A(P) → C(P) → A(P)
<u>Short Course: (3.1 nm)</u>
Start→C(P)→A(P)

Course E - East Strong Wind
<u>Long Course: (8.0 nm)</u>
Start → G1(P) → C(P) → B(P) → A(P) → G1(P) → C(P) → B(P) → A(P)
<u>Short Course: (5.4 nm)</u>
Start → G1(P) → 83A(P) → B(P) → A(P)

Course F - East Light Wind
<u>Long Course: (4.0 nm)</u>
Start → G1(P) → C(P) → B(P) → A(P)
<u>Short Course: (3.0 nm)</u>
Start → G1(P) → B(P) → A(P)

Course G - Southeast Strong Wind
<u>Long Course: (9.1 nm)</u>
Start→ 81A(P) → B(P) → 81A(P) → G1(P) → A(P)
<u>Short Course: (6.6 nm)</u>
Start → 81A(P) → G1(P) → 81A(P) → G1(P) → A(P)

Course H - Southeast Light Wind
<u>Long Course: (5.5 nm)</u>
Start → 81A(P) → B(P) → A(P)
<u>Short Course: (3.2 nm)</u>
Start → G1(P) → B(P) → A(P)

Course I - South Strong Wind
<u>Long Course: (7.5 nm)</u>
Start → G1(P) → 81A(P) → 83A(P) → G1(S) → A(P)
<u>Short Course: (5.7 nm)</u>
Start → G1(P) → 83A(P) → G1(S) → A(P)

Course J - South Light Wind
<u>Long Course: (5.5 nm)</u>
Start → 81A(P) → C(P) → A(P)
<u>Short Course: (3.2 nm)</u>
Start → G1(P) → C(P) → A(P)

Course K - Southwest Strong Wind
<u>Long Course: (7.7 nm)</u>
Start → 83A(P) → A(P) → C(P) → A(P)
<u>Short Course: (4.6 nm)</u>
Start → 83A(P) → A(P)

Course L - Southwest Light Wind
<u>Long Course: (6.6 nm)</u>
Start → A(P) → C(P)→ A(P) → G1(P) → A(P)
<u>Short Course: (3.4 nm)</u>
Start → A(P) → G1(P) → A(P)

Course M - West Strong Wind
<u>Long Course: (8.0 nm)</u>
Start → G1(P) → C(P) → B(P) → A(P) → G1(P) → C(P) → B(P) → A(P)
<u>Short Course: (5.4 nm)</u>
Start → G1(P) → 83A(P) → B(P) → A(P)

Course N - West Light Wind
<u>Long Course: (4.9nm)</u>
Start → A(P) → 81A(P) → G1(P) → A(P)
<u>Short Course: (2.8 nm)</u>
Start→ A(P) → G1(P) → A(P)

Course O - Northwest Strong Wind
<u>Long Course: (7.3 nm)</u>
Start →B(P) → 81A(P) → B(P) → G1(P) → B(P)→ A(P)
<u>Short Course: (5.2 nm)</u>
Start → B(P) → G1(P) → C(P) → B(P) → A(P)

Course P - Northwest Light Wind
<u>Long Course: (5.6 nm)</u>
Start → B(S) → 81A(S) → A(P)
<u>Short Course: (3.3 nm)</u>
Start → B(S) → G1(S) → A(P)

Course Q - Very Light, Variable Wind
<u>Long Course:</u>
Start → B(P) → A(P)→ B(P) → A(P)
<u>Short Course:</u>
Start → B(P) → A(P)

Course R - Variable Very Light Wind
<u>Long Course:</u>
Start → G1(P) → A(P) → G1(P) → A(P)
<u>Short Course</u>
Start → G1(P) → A(P)

Course U - Sharps Island Race
<u>Long Course</u>
Start → 81A(S) → Sharps Light (P) → G1(P) → A(P)
<u>Short Course</u>
Start → 81A(S) → 82 (P) → G1(P) → A(P)

Course V - Bloody Point Race
<u>Long Course</u>
Start → E.B.1(P) → 83A(P) → A(P)
<u>Short Course</u>
Start → 84A(P) → 83A(P) → A(P)

Course W - Poplar Island Race
<u>Long Course</u>
Start → 81A(P) →84(P) → 84A(P) → C(P) → A(P)
<u>Short Course</u>
Start → 81A(P) → 83(P) → C (P)→ A(P)

Course X – Great Bay Race
<u>Long Course</u>
Start → 84A(S) → 82(S) → 83(P) → A(P)
<u>Short Course</u>
Start → 83(S) → 82(S) → A(P)

Thumbnail Course Summary

A
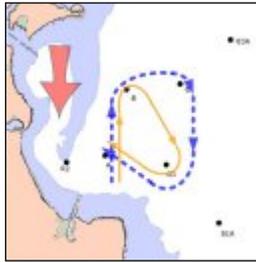
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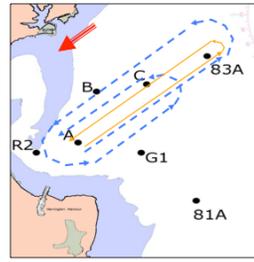
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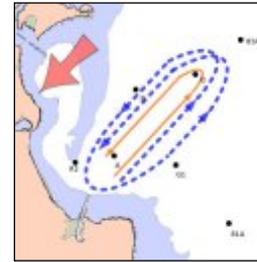
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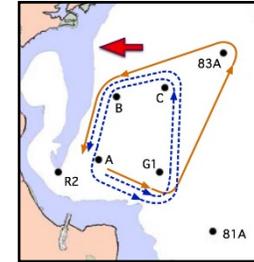
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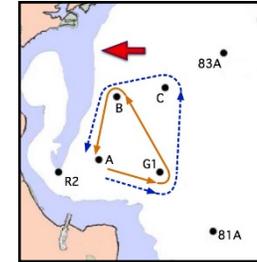
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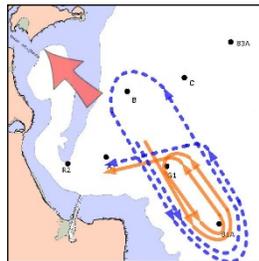
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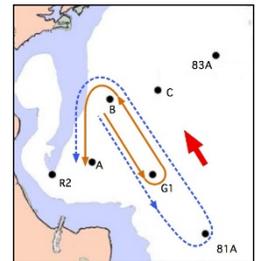
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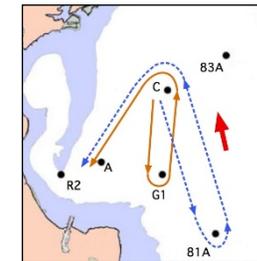
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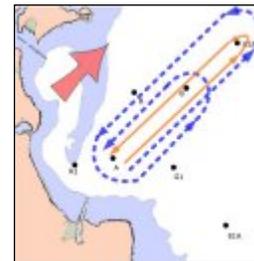
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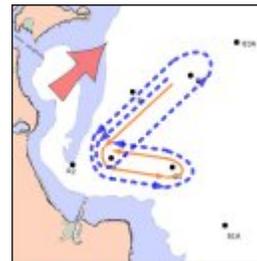
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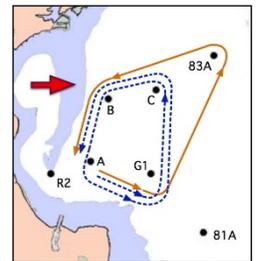
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N
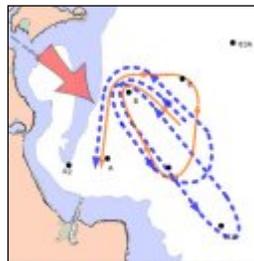
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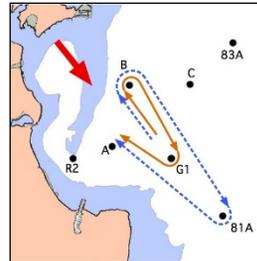
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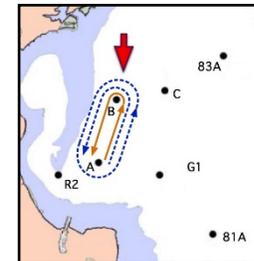
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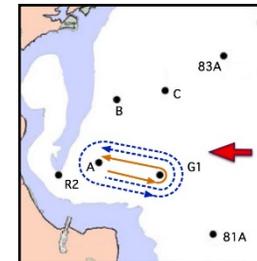
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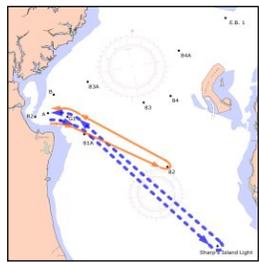
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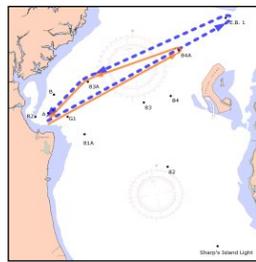
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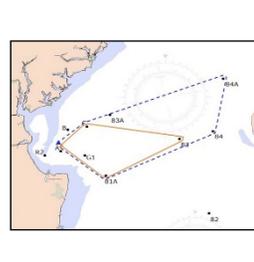
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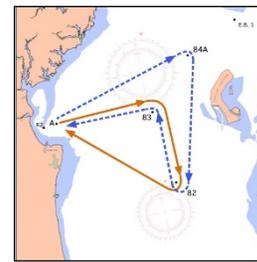
X

Course A

North Strong Wind
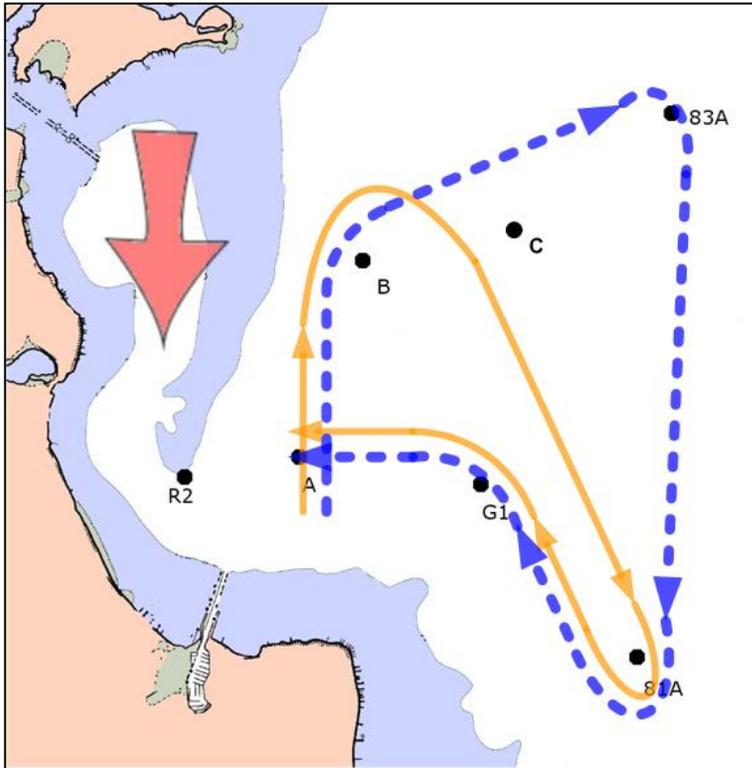
Long Course: (7.2 nm)
Start → B(S) → 83A(S) → 81A(S) → G1(P) → A(P)

Short Course: (5.3 nm)
Start → B(S) → 81A(S) → G1(P) → A(P)

Notes:
- Set starting line with inflatable mark directly downwind from "B" approximately 0.9 nm.
- Courses can be shortened to "G1".
- Reset finish line square to final leg of course.

Course B

North Light Wind
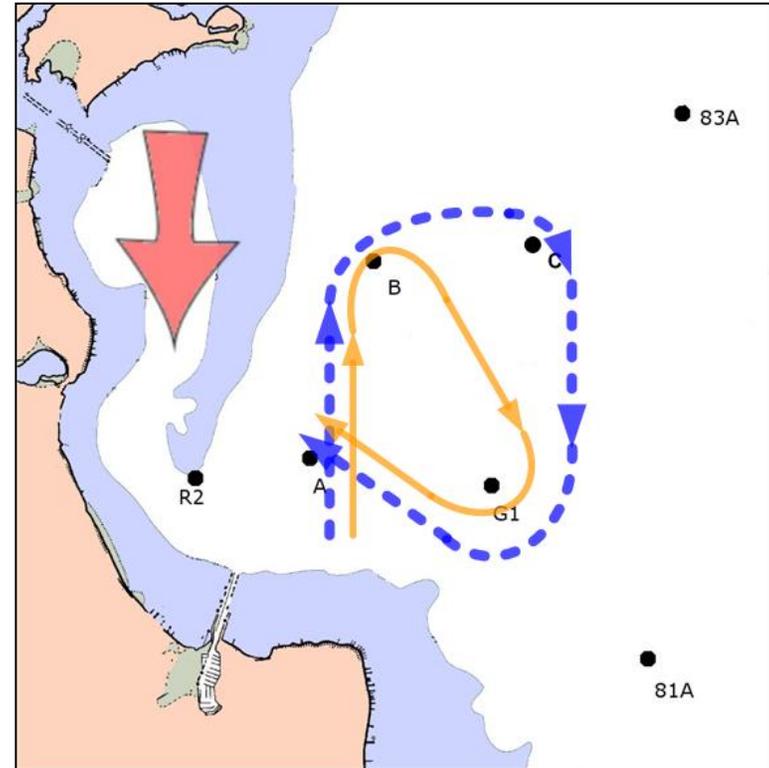
Long Course: (4.0 nm)
Start → B(S) → C(S) →G1(S) → A(P)

Short Course: (3.1 nm)
Start → B(S) → G1(S) → A(P)

Notes:
- Set starting line with inflatable mark directly downwind from "B" approximately 0.9 nm.
- Reset finish line square to final leg of course.

Course C
Northeast Strong Wind
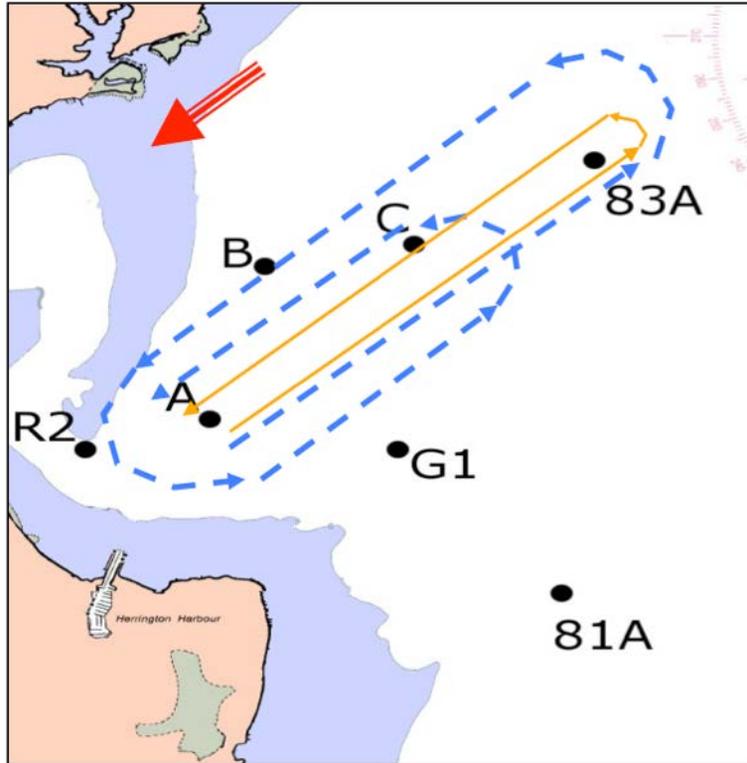
Long Course: (7.7 nm)
Start → 83A(P) → A(P) → C(P) → A(P)

Short Course: (4.6 nm)
Start → 83A(P) → A(P)

Notes:
- Set starting line with inflatable mark directly downwind from "83A" in the vicinity of "A".
- Plan on moving to set finish line at "A" after the starts.

Course D

Northeast Light Wind
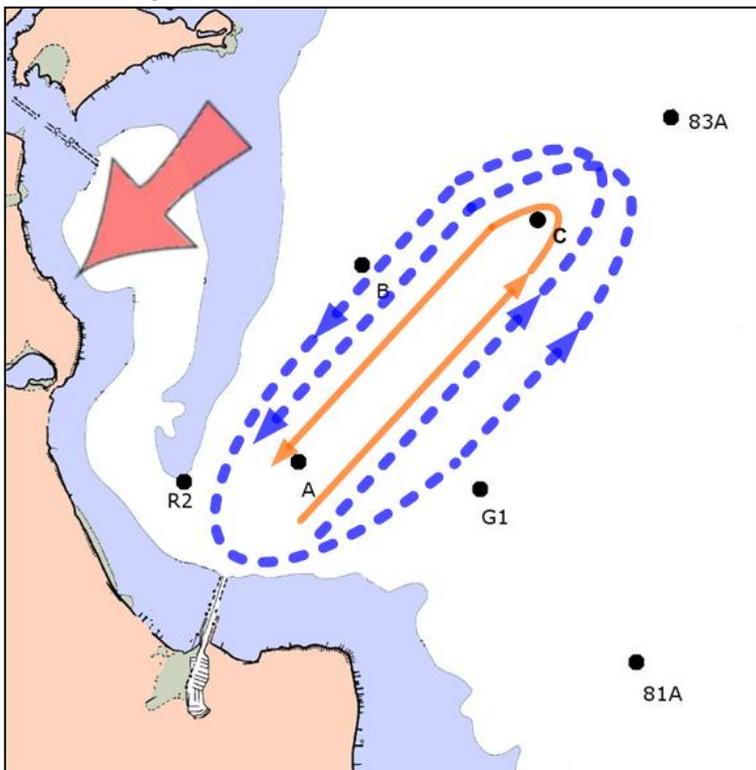
Long Course: (6.2 nm)
Start→C(P) → A(P) → C(P) → A(P)

Short Course: (3.1 nm)
Start→C(P)→A(P)

Notes:
- Use inflatable mark for starting line directly downwind from "C"; leave sufficient room for maneuvering between start line and Long Bar.
- Plan on moving to set finish line at "A" after the starts.

Course E

East Strong Wind
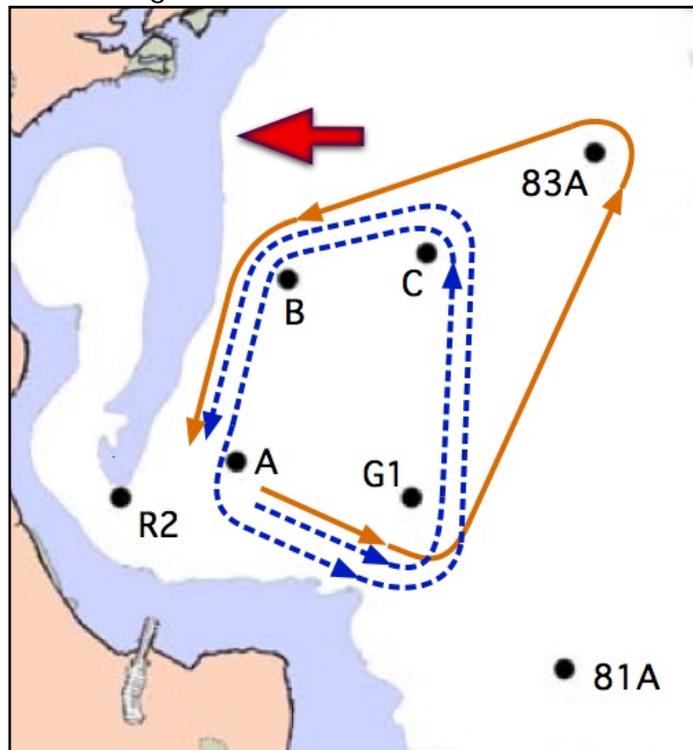
Long Course: (8.0 nm)
Start → G1(P) → C(P) → B(P) → A(P) → G1(P) → C(P) → B(P) → A(P)

Short Course: (5.4 nm)
Start → G1(P) → 83A(P) → B(P) → A(P)

Notes:
- Use inflatable mark for starting line directly downwind from "G1" in the vicinity of "A".
- Reset finish line square to final leg of course.

Course F

East Light Wind
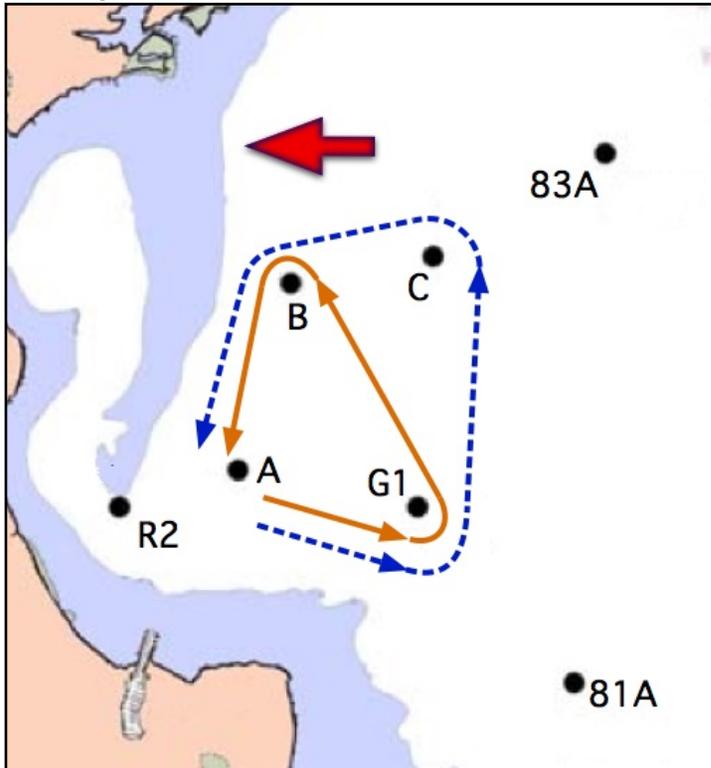
Long Course: (4.0 nm)
Start → G1(P) → C(P) → B(P) → A(P)

Short Course: (3.0 nm)
Start → G1(P) → B(P) → A(P)

Notes:
- Use inflatable mark for starting line directly downwind from "G1" in the vicinity of "A".
- Reset finish line square to final leg of course.

Course G

Southeast Strong Wind
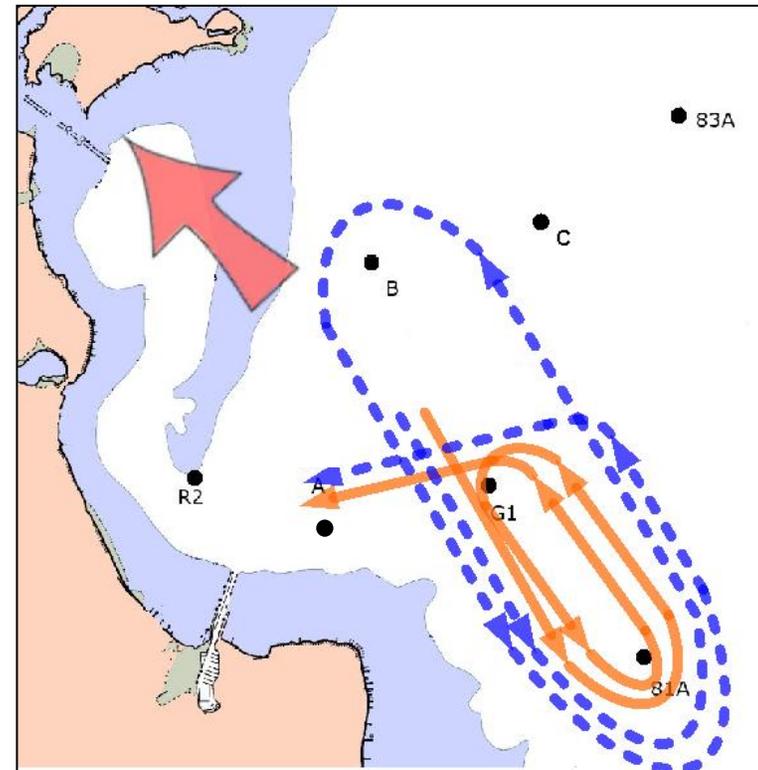
Long Course: (9.1 nm)
Start→ 81A(P) → B(P) → 81A(P) → G1(P) → A(P)

Short Course: (6.6 nm)
Start → 81A(P) → G1(P) → 81A(P) → G1(P) → A(P)

Notes:
- Use inflatable mark for starting line directly downwind from "81A" in the vicinity of "G1".
- Starting line may be moved upwind to reduce the length of the windward leg as conditions warrant.
- Courses may be shortened to "G1".

Course H
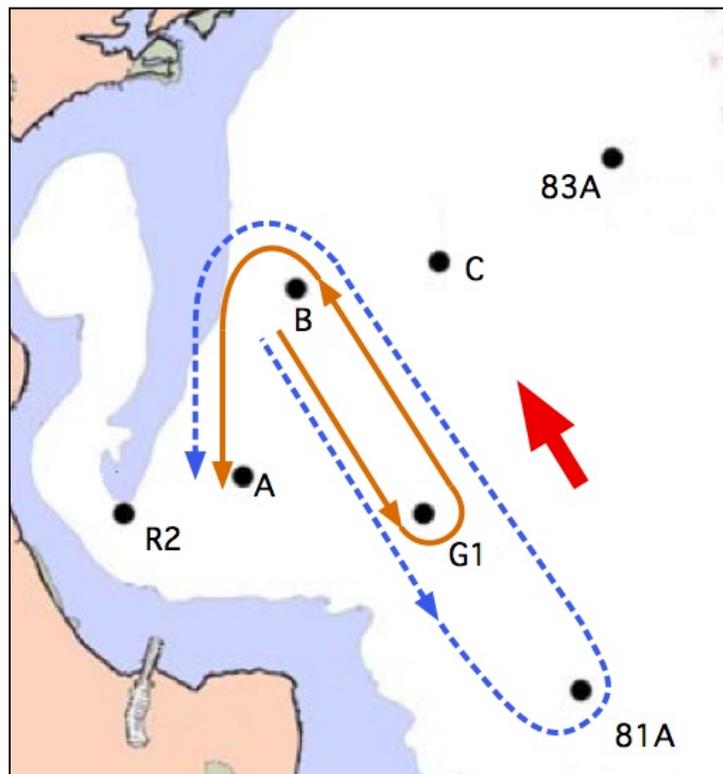
Southeast Light Wind
Long Course: (5.5 nm)
Start → 81A(P) → B(P) → A(P)

Short Course: (3.2 nm)
Start → G1(P) → B(P) → A(P)

Notes:
- Set starting line in the vicinity of "B", downwind of the first mark.
- Set line far enough on course side of "B" to provide deeper draft boats room to maneuver.

Course I

South Strong Wind
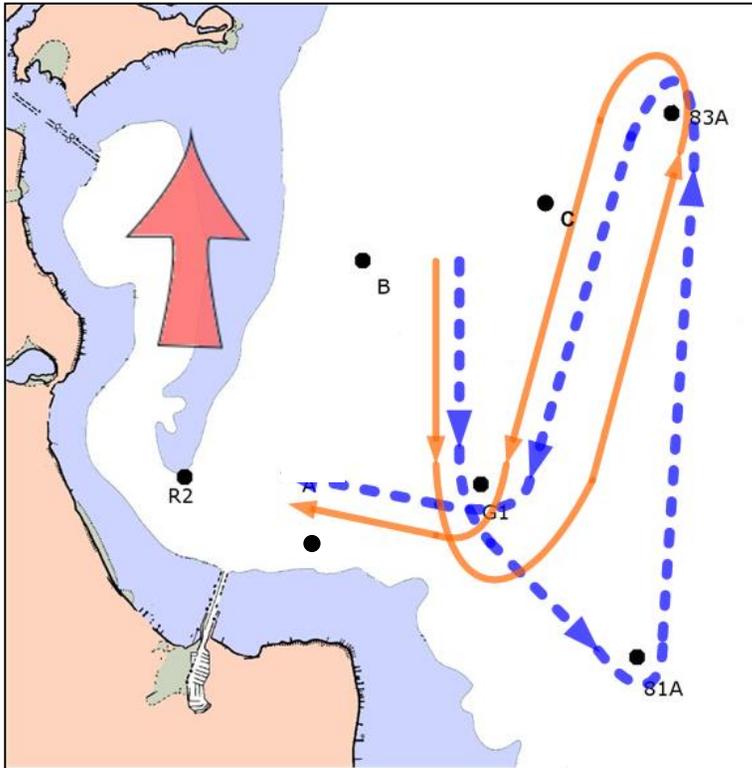
Long Course: (7.5 nm)
Start → G1(P) → 81A(P) → 83A(P) → G1(S) → A(P)

Short Course: (5.7 nm)
Start → G1(P) → 83A(P) → G1(S) → A(P)

Notes:
- Set tetrahedron about 1 nm downwind from "G1".
- Both courses can be shortened to "G1".
- Alternatively, use Course A w/ downwind start.

Course J

South Light Wind
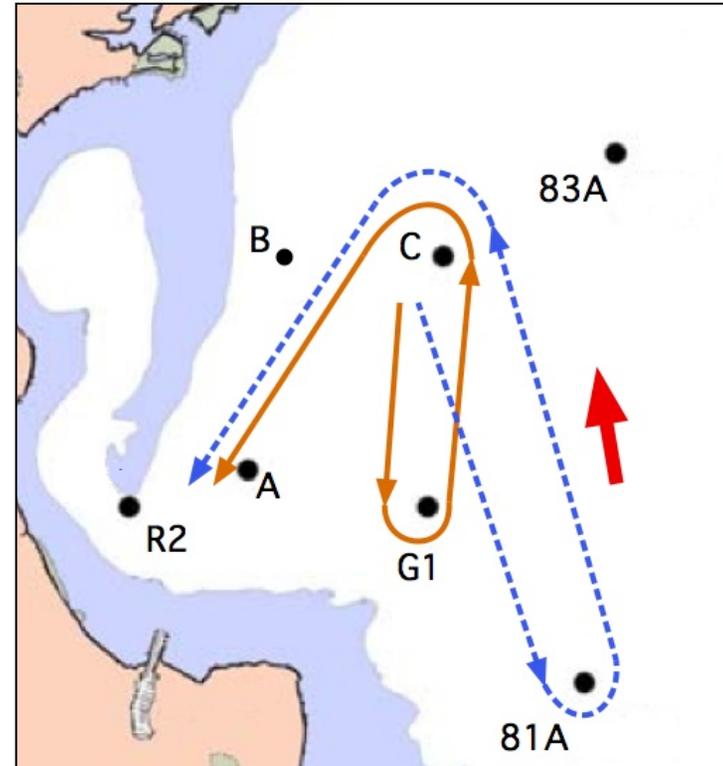
Long Course: (5.5 nm)
Start → 81A(P) → C(P) → A(P)

Short Course: (3.8 nm)
Start → G1(P) → C(P) → A(P)

Notes:
- Set tetrahedron in vicinity of "C" downwind from "81A".
- Select a long enough course to allow repositioning for finish.

Course K

Southwest Strong Wind
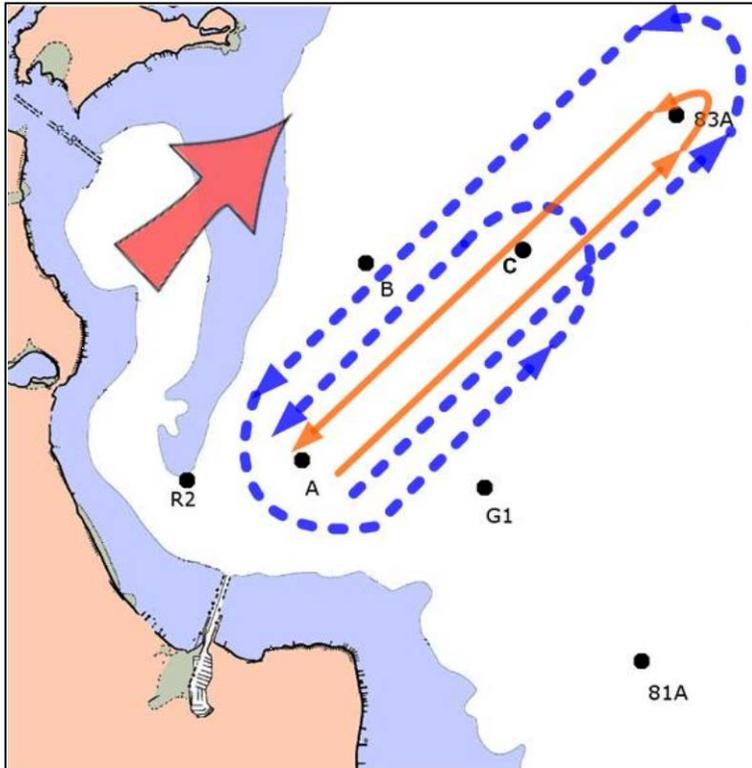
Long Course: (7.7 nm)
Start → 83A(P) → A(P) → C(P) → A(P)

Short Course: (4.6 nm)
Start → 83A(P) → A(P)

Notes:
- Downwind start!
- Set starting line with inflatable mark directly <u>upwind</u> from "83A" in the vicinity of "A".

Course L

Southwest Light Wind
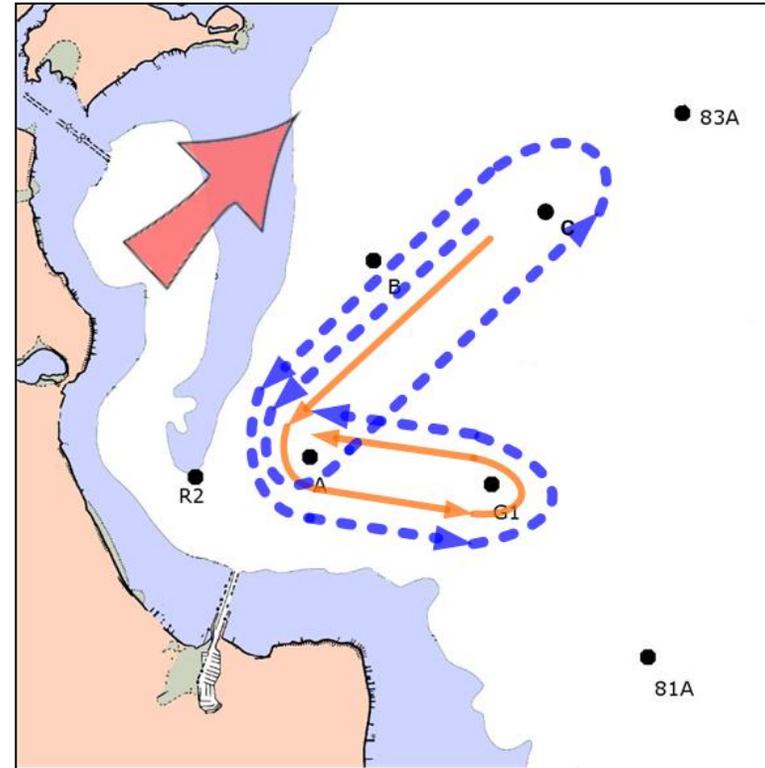
Long Course: (6.6 nm)
Start → A(P) → C(P) → A(P) → G1(P) → A(P)

Short Course: (3.4 nm)
Start → A(P) → G1(P) → A(P)

Notes:
- Set starting line with inflatable mark directly downwind from "A" in the vicinity of "C".

Course M

West Strong Wind
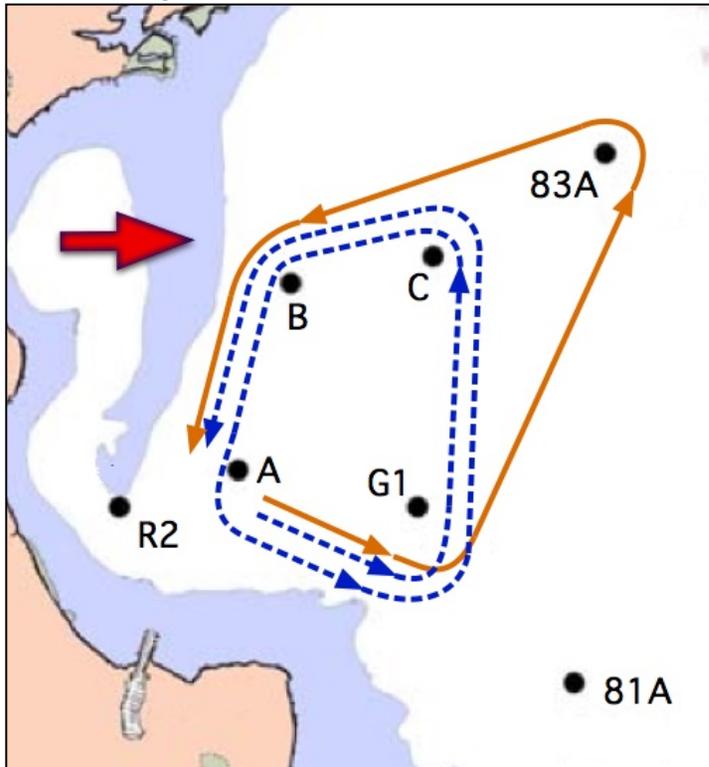
Long Course: (8.0 nm)
Start → G1(P) → C(P) → B(P) → A(P) → G1(P) → C(P) → B(P) → A(P)

Short Course: (5.4 nm)
Start → G1(P) → 83A(P) → B(P) → A(P)

Notes:
- Downwind Start!
- Set starting line with inflatable mark directly upwind from "G1", in the vicinity of "A".
- Both courses may be shortened to "B".

Course N

West Light Wind
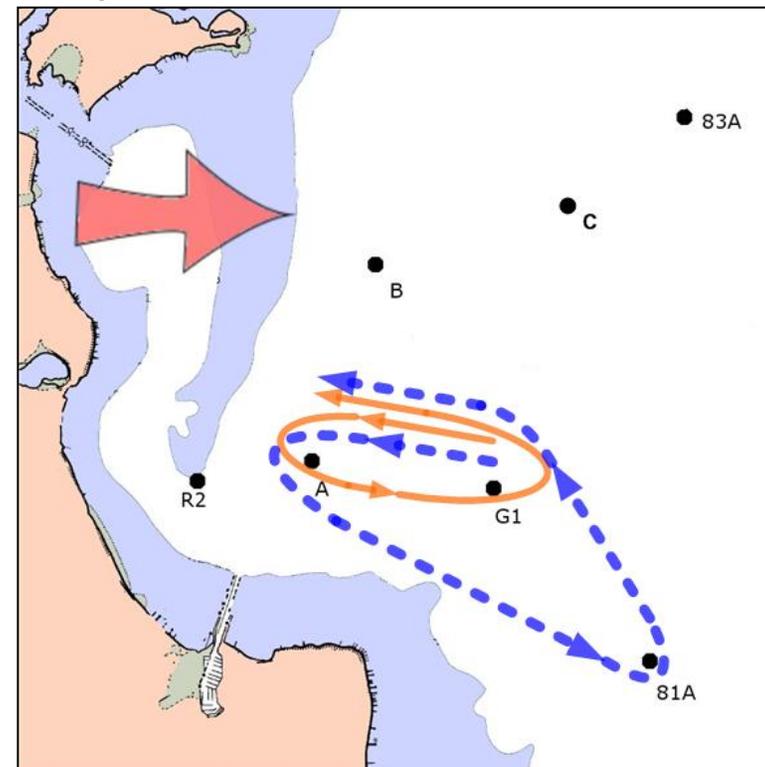
Long Course: (4.9nm)
Start → A(P) → 81A(P) → G1(P) → A(P)

Short Course: (2.8 nm)
Start→ A(P) → G1(P) → A(P)

Notes:
- Set starting line with inflatable mark directly downwind from "A".

Course O

Northwest Strong Wind
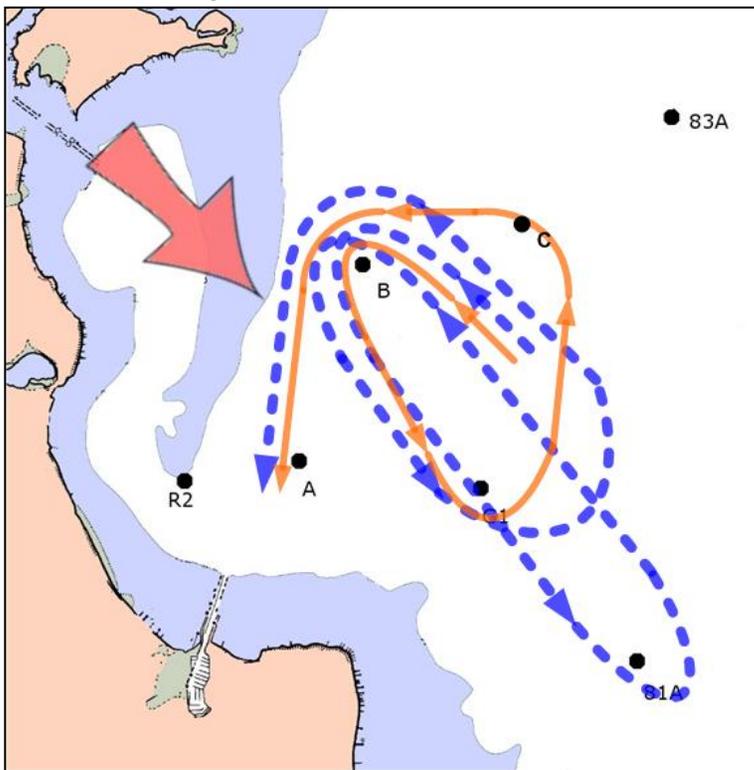
Long Course: (7.3 nm)
Start →B(P) → 81A(P) → B(P) → G1(P) → B(P)→ A(P)

Short Course: (5.2 nm)
Start → B(P) → G1(P) → C(P) → B(P) → A(P)

Notes:
- Set starting line with inflatable mark directly downwind from "B", north and slightly east of "G1".
- Both courses may be shortened to "B".

Course P

Northwest Light Wind
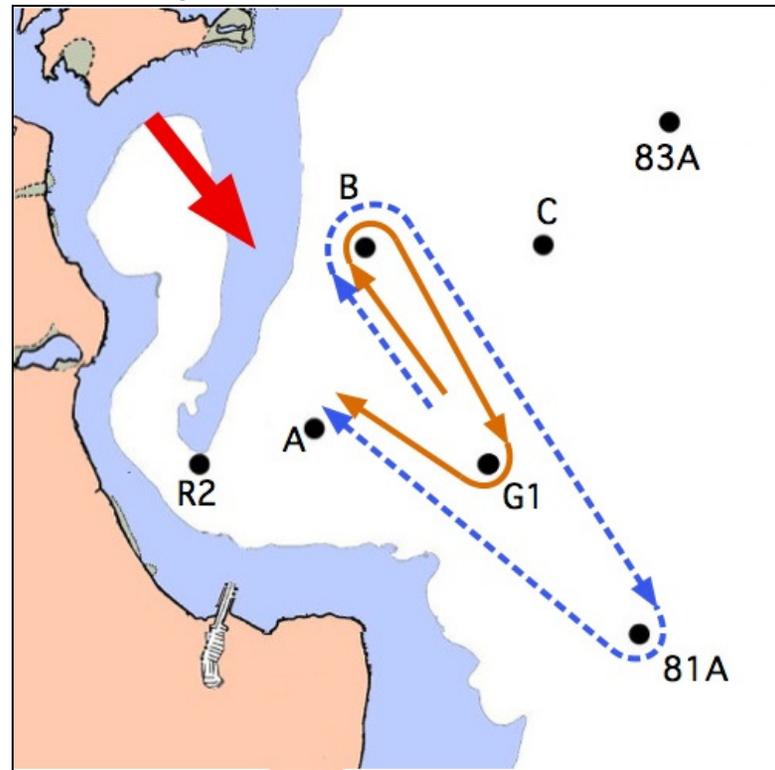
Long Course: (5.6 nm)
Start → B(S) → 81A(S) → A(P)

**Short Course: (3.3 nm)**
Start → B(S) → G1(S) → A(P)

Notes:
- Set starting line with inflatable mark directly downwind from "B", north and slightly west of "G1".
- Either course can be shortened, but <u>only</u> if both fleets use the same course.

Course Q

Very Light, Variable Wind
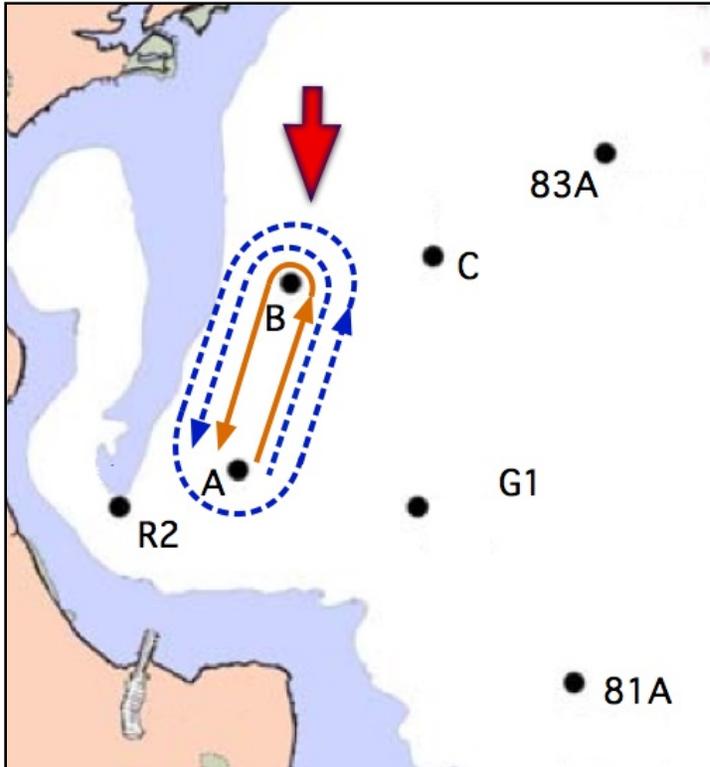
Long Course:
Start → B(P) → A(P) → B(P) → A(P**)**

Short Course:
Start → B(P) → A(P)

Notes:
- Set starting line close square to the median wind not more that 2/3rd of the distance from "A" to "B".
- In extremely light conditions, consider postponing ("Answering Pennant" flag) until conditions improve.

Course R

Variable Very Light Wind
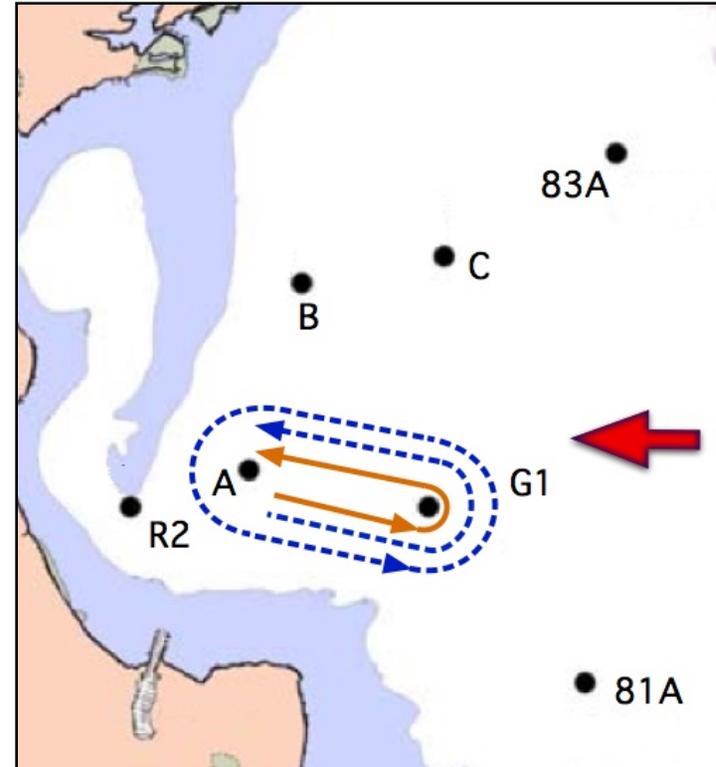
Long Course:
Start → G1(P) → A(P) → G1(P) → A(P)

Short Course:
Start → G1(P) → A(P)

Notes:
- Set starting line close square to the median wind not more that 2/3rd of the distance from "A" to "G1".
- In extremely light conditions, consider postponing ("Answering Pennant" flag) until conditions improve.

Course U

Sharps Island Race

Notes:
- Set starting leg using "A" as pin end and making line perpendicular to first leg.
- If necessary, both courses may be shortened to "G1".
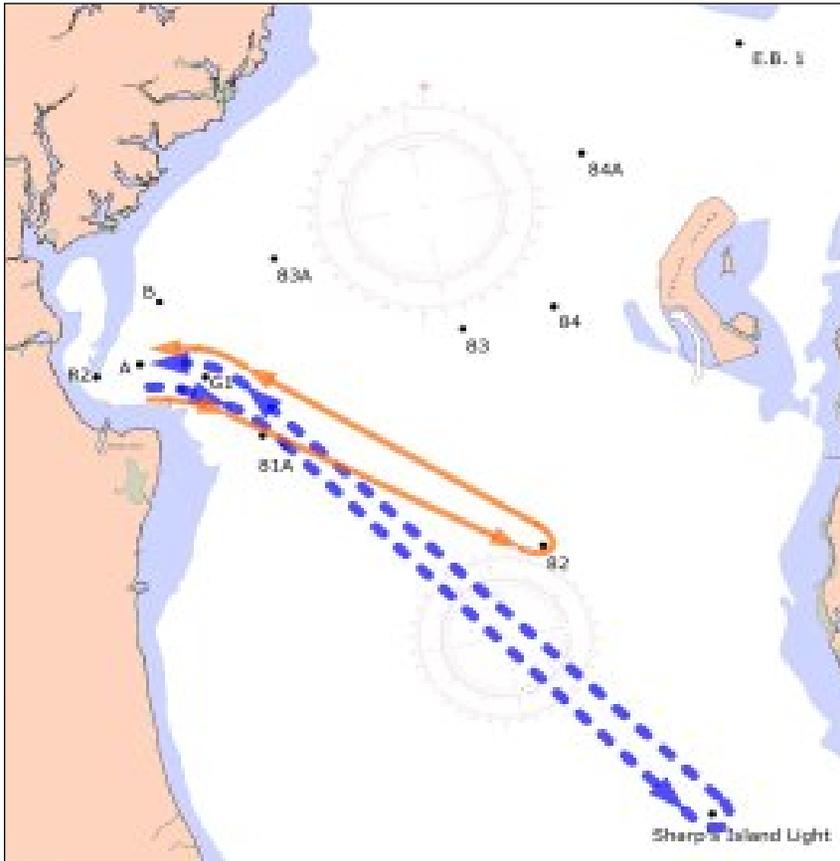
Long Course: (22.5nm)
Start → 81A(S) → Sharps Island Light (P)→ G1(P) → A(P)

Short Course: (13.5 nm)
Start → 81A (S) → 82 (P) → G1(P) → A(P)

Course V

Bloody Point Race

Notes:

- Set starting leg using "A" as pin end and making line perpendicular to first leg.
- Courses may both be shortened to "83A".
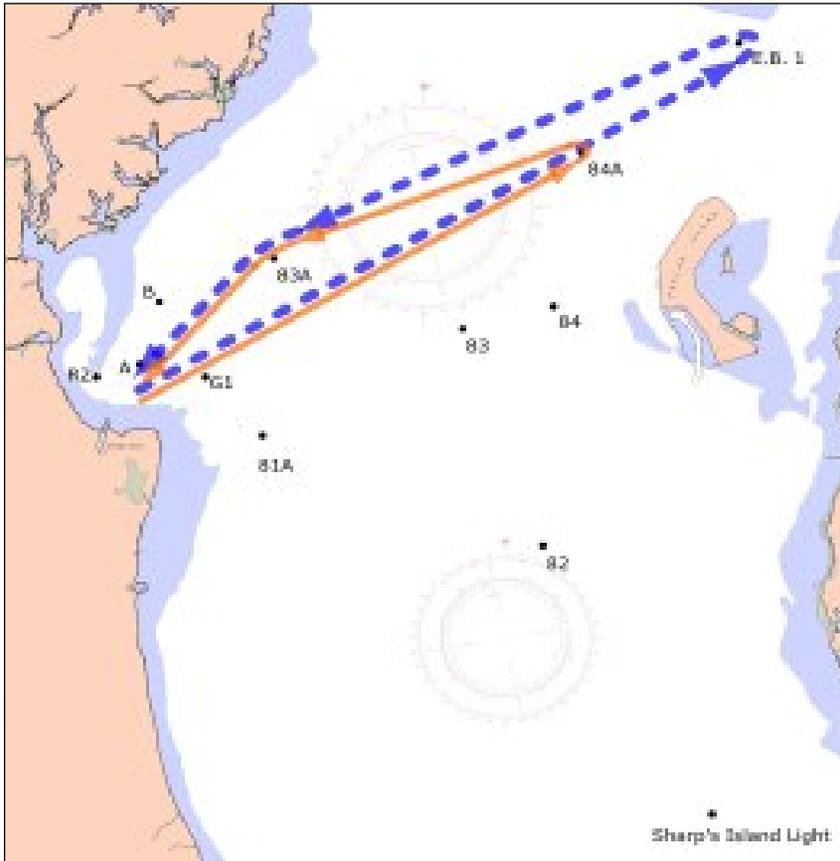
Long Course: (20.6 nm)
Start → E.B. 1 (P) → 83A (P) → A(P)

Short Course: (14.9 nm)
Start → 84A (P) → 83A (P) → A(P)

Course W

Poplar Island Race
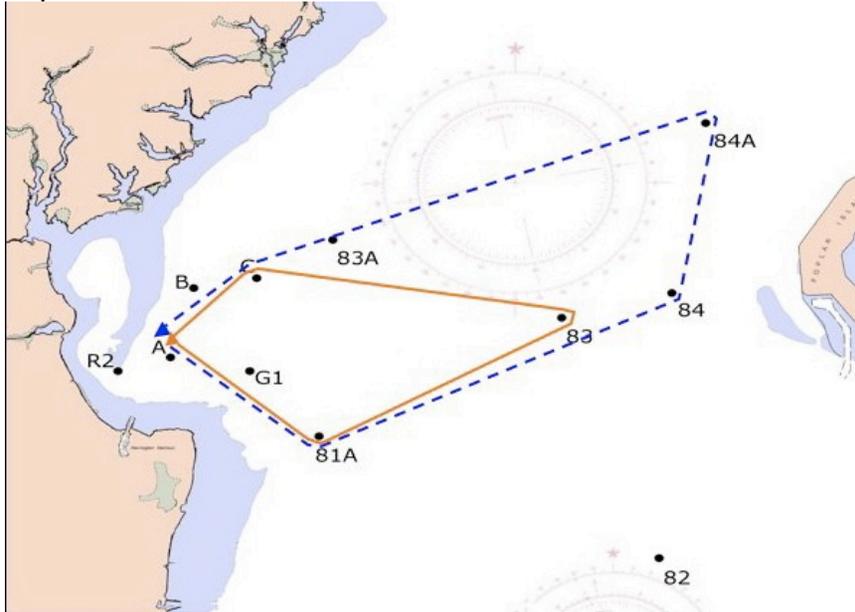
Long Course: (16.2 nm)

Start → 81A(P) →84 (P) → 84A (P) → C(P) → A(P)

Short Course: (10.5 nm)

Start→ 81A(P) → 83 (P) → C(P) → A(P)

Notes:

- Set starting leg using "A" as pin end and making line perpendicular to first leg.
- "83A" is not a mark of the course.

Course X

Great Bay Race
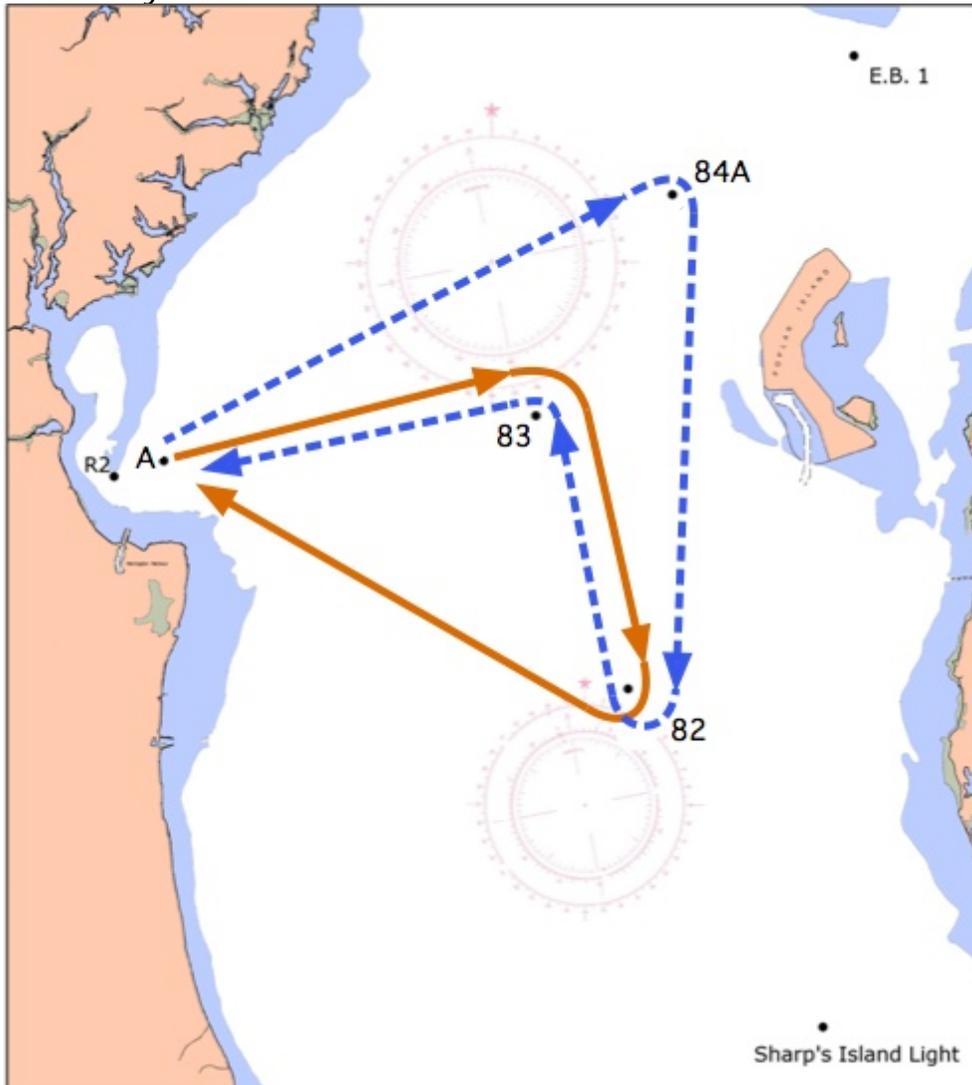
Long Course: (19.43 nm)
Start → 84A(S) → 82(S) → 83(P) → A(P)

Short Course: (13.2 nm)
Start → 83(S) → 82(S) → A(P)

Windward/Leeward Courses

| 2 | 3 | 4 |
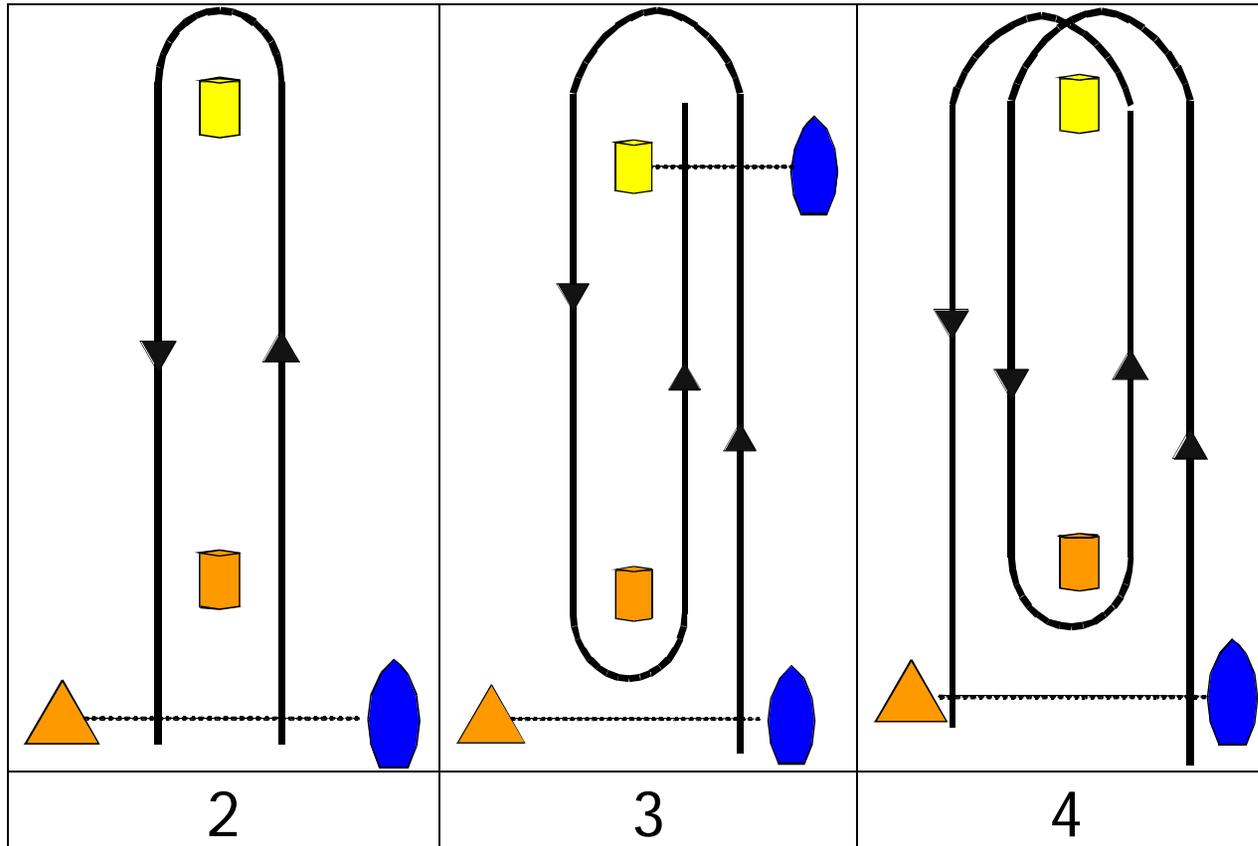
Notes:

- Use of a second boat as a mark boat is required for windward/leeward courses.
- Except in extremely light wind conditions, do not set legs shorter than 1/2 nm in length.
- Ideally, use a white board to indicate compass direction and distance to the windward mark on committee boat prior to start.

Frostbite Course A – North Wind
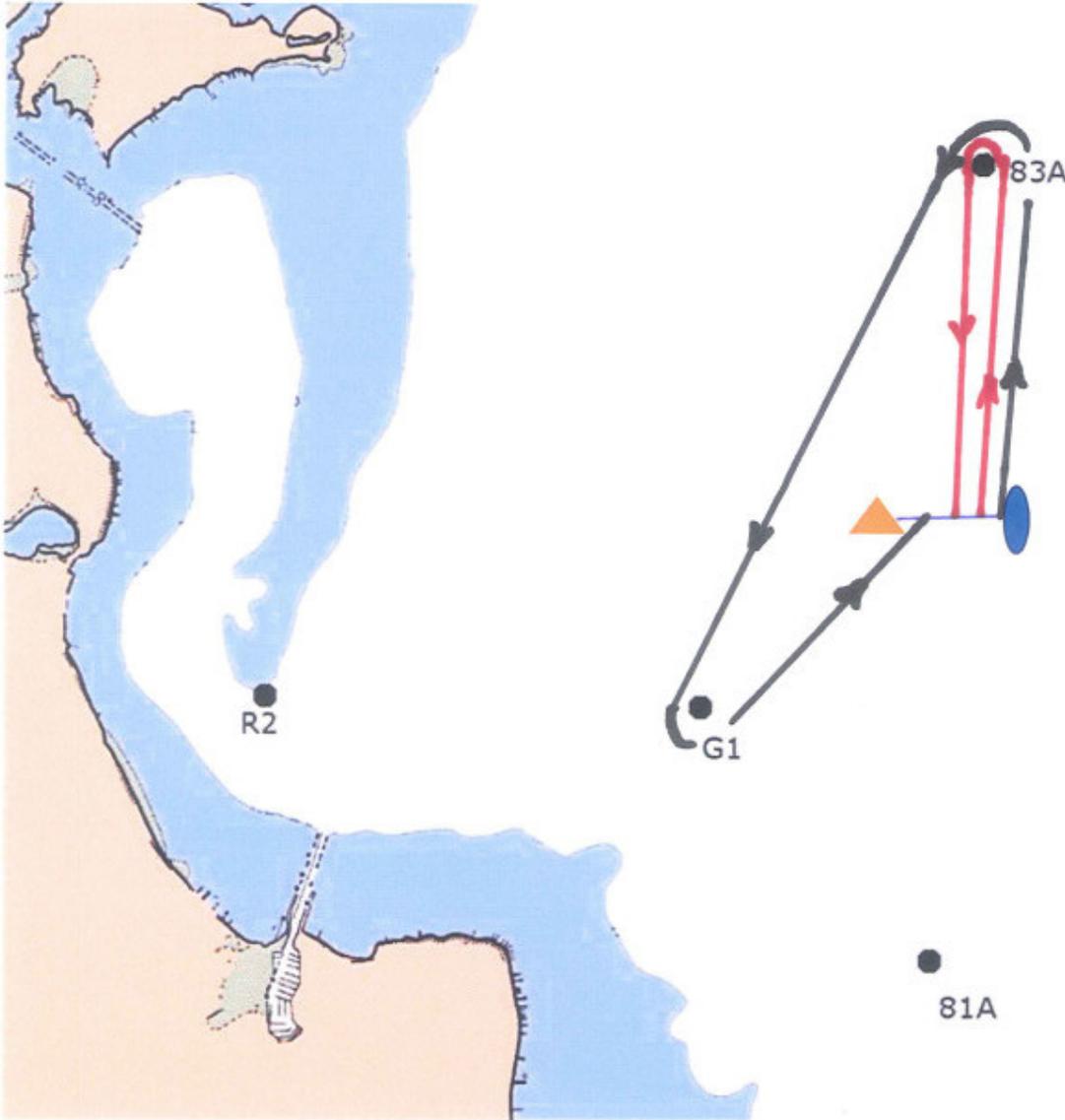
Short Course:
    Start -> 83A -> Finish
Long Course:
    Start -> 83A -> G1 –> Finish

Note: All rounding marks to Port, finish between RC and inflatable mark.

Frostbite Course B – East & West Wind

83A
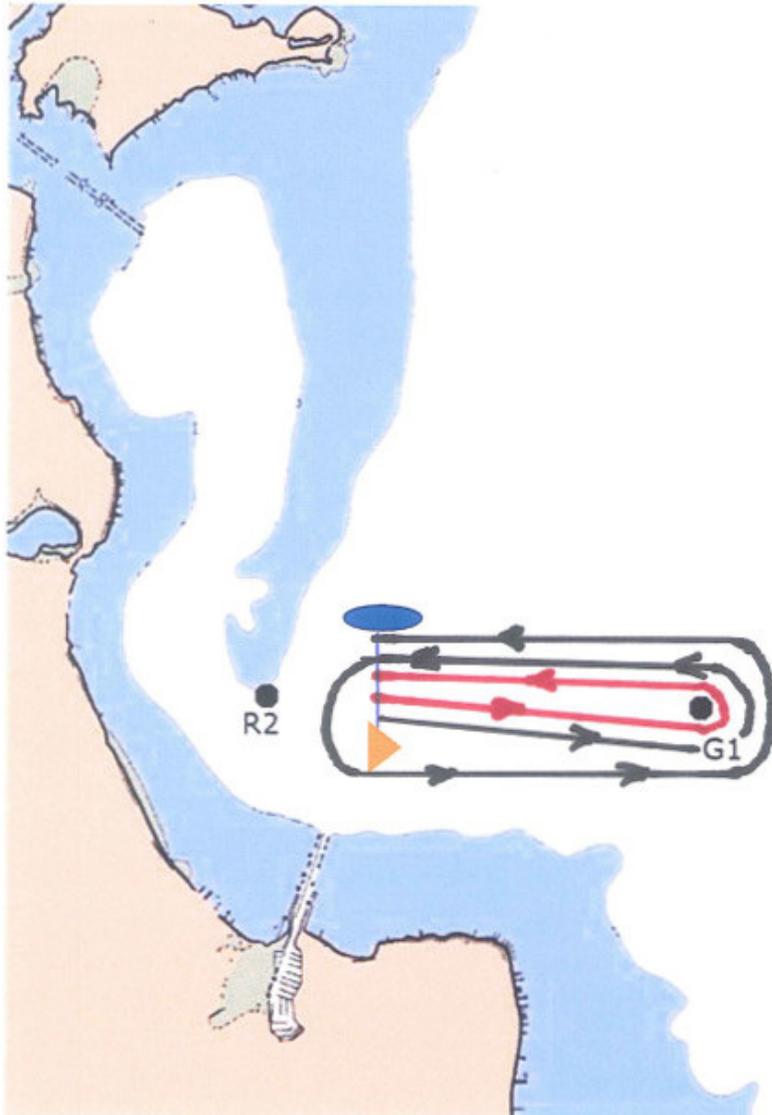
Short Course:
Start -> G1 -> Finish
Long Course:
Start -> G1 -> Start - > G1 –> Finish

Note: All marks to Port.

R2

G1

81A

19

Frostbite Course C – South Wind

83A
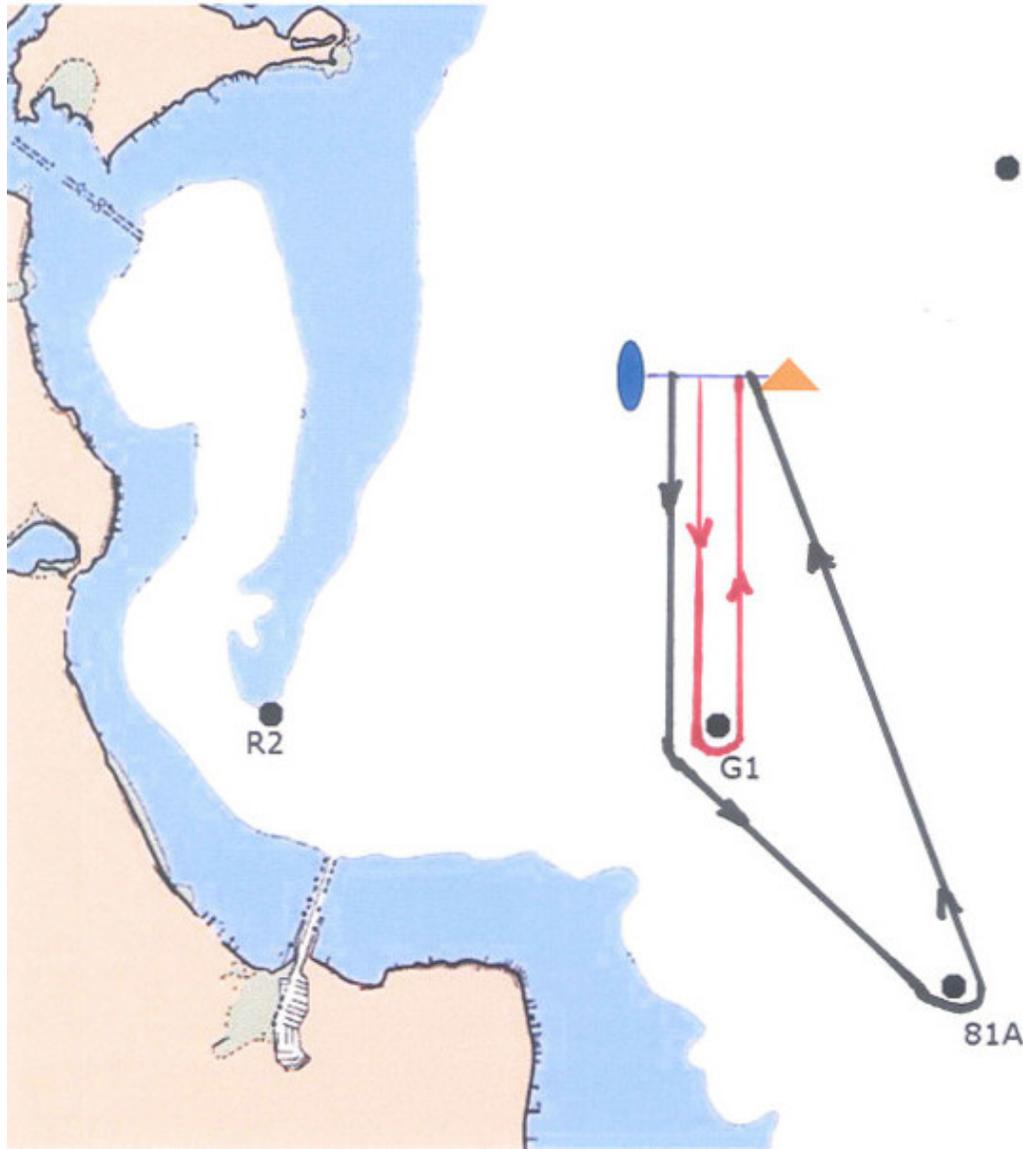
Short Course:
Start -> G1 -> Finish
**Long Course:**
Start -> G1 -> 81A -> Finish

Note: Finish between RC and inflatable mark. For Long Course pass or round G1 to Port and round 81A to Port.

R2

G1

81A

Mark Information

Marks designated on signboards by a letter in **red** shall be left to port. Marks designated by a letter in **green** shall be left to starboard. One lap shall be sailed unless the course designation is followed by a number which specifies the number of laps to be sailed.

Mark*	Latitude (N)	Longitude (W)	HHSA	CBYRA
Eastern Bay 1 (Green)	38° 49.133'	076° 22.126'	L	L
Herring Bay 2 (Red)	38° 44.526'	076° 32.698'	Y	None
Herring Bay 1 (Green)	38° 44.433'	076° 30.838'	W	None
79 A (Green)	38° 38.654'	076° 29.188'	N	None
80 A (Red)	38° 39.626'	076° 22.987'	X	None
81A (Green)	38° 43.576'	076° 29.939'	I	None
82 (Red)	38° 42.070'	076° 25.334'	T	None
83 (Green)	38° 45.142'	076° 26.642'	K	K
83A (Green)	38° 46.134'	076° 29.701'	O	None
84 (Red)	38° 45.466'	076° 25.111'	R	R
84A (Red)	38° 47.600'	076° 24.693'	Q	Q
85A (Green)	38° 49.954'	076° 27.734'	M	None
86 (Red)	38° 51.996'	076° 23.541'	E	E
Sharps Island Light	38° 38.399'	076° 22.544'	S	None
West River 1 (Green)	38° 51.851'	076° 26.999'	Z	Z
HHSA A (Yellow)	38° 44.647'	076° 31.993'	A	None
HHSA B (Yellow)	38° 45.45'	076° 31.65'	B	None
HHSA C (Yellow)	38° 45.500	76.30.320	C	None
HHSA Orange Tetrahedon	Variable	Variable	U	None
HHSA Orange Cylinder	Variable	Variable	G	None
HHSA Yellow Cylinder	Variable	Variable	H	None

* Not to be used for navigation.

Chart of HHSA Marks