

HERRINGTON HARBOUR SAILING ASSOCIATION



HHSA COURSE BOOK 2017

Approved by the Board of Directors, Herrington Harbour Sailing Association, April 2017



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Special Notes:

The course diagrams and thumbnail summaries are provided for convenience. If there are discrepancies among the course diagrams, alpha-numeric course descriptions, the course summary sheet, or the course thumbnails, 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

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)

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)

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)

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)

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)

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)

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)

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)

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)

Course J - South Light Winds

Long Course: (5.5 nm)

Start → 81A(P) → C(P) → A(P)

Short Course: (3.2 nm)

Start → G1(P) → C(P) → A(P)

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)

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)

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)

Course N - West Light Winds

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)

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)

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)

Course Q - Very Light, Variable Wind

Long Course:

Start → B(P) → A(P) → B(P) → A(P)

Short Course:

Start → B(P) → A(P)

Course R - Variable Very Light Winds

Long Course:

Start → G1(P) → A(P) → G1(P) → A(P)

Short Course

Start → G1(P) → A(P)

Course U - Sharp's Island Race

Long Course

Start → 81A(S) → Sharps Light (P) → G1(P) → A(P)

Short Course

Start → 81A(S) → 82 (P) → G1(P) → A(P)

Course V - Bloody Point Race

Long Course

Start → E.B.1(P) → 83A(P) → A(P)

Short Course

Start → 84A(P) → 83A(P) → A(P)

Course W - Poplar Island Race

Long Course

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

Short Course

Start → 81A(P) → 83(P) → C (P) → A(P)

Course X - Great Bay Race

Long Course

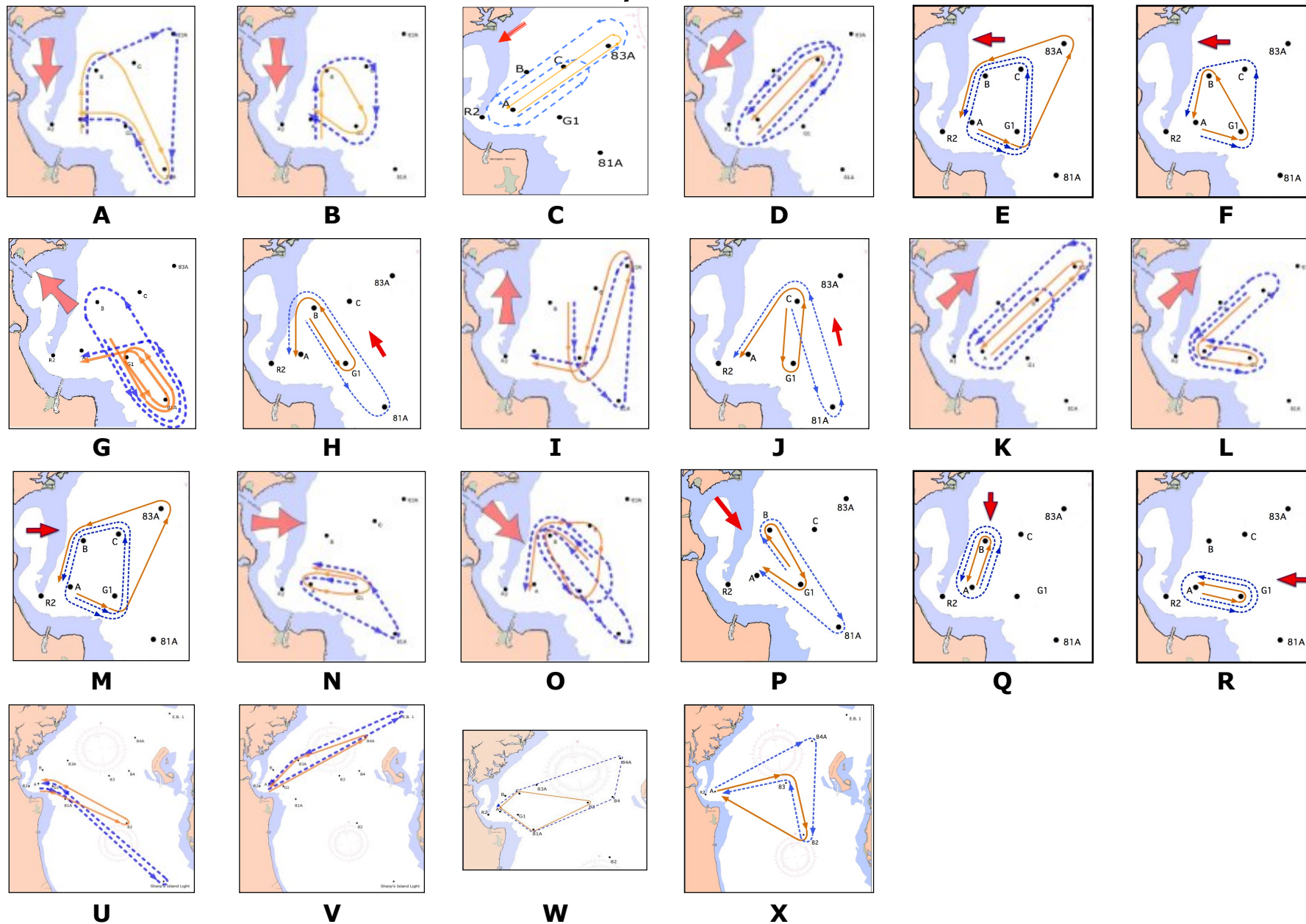
Start → 84A(S) → 82(S) → 83(P) → A(P)

Short Course

Start → 83(S) → 82(S) → A(P)



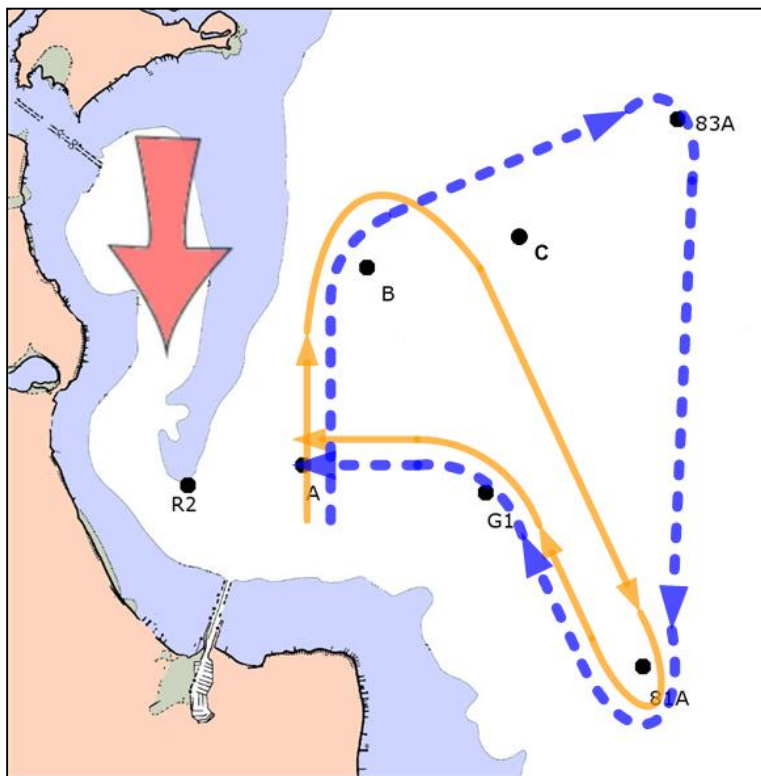
Thumbnail Course Summary





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)

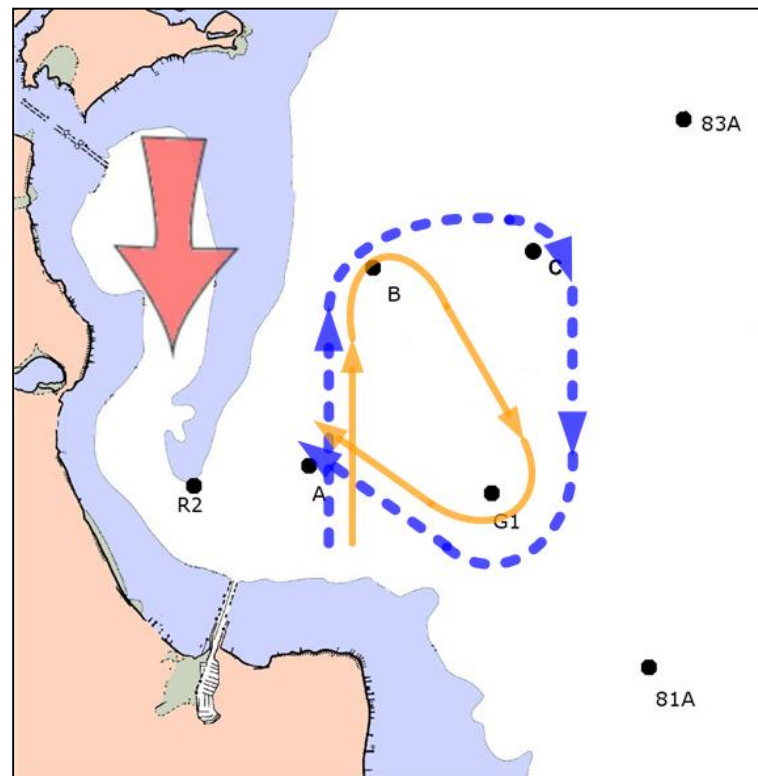
Start → B(S) → 81A(S) → G1(P) → A(P)

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)

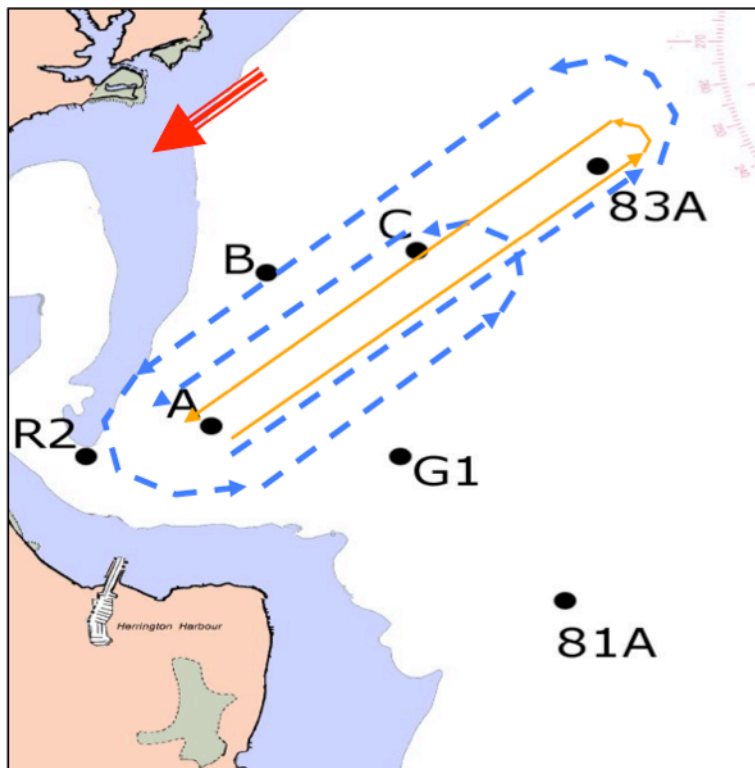
Notes:

- 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)

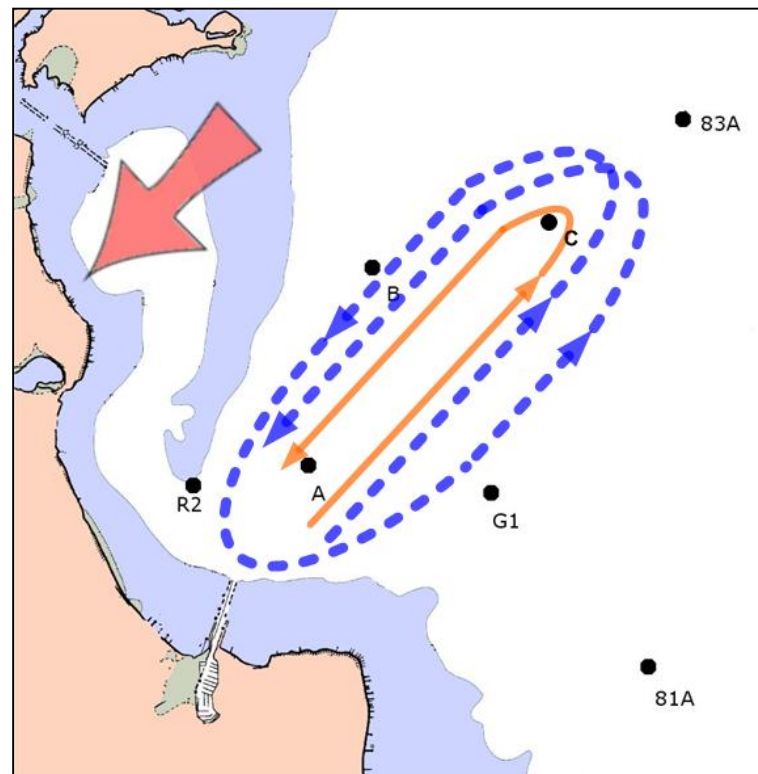
Start → 83A(P) → A(P)

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)

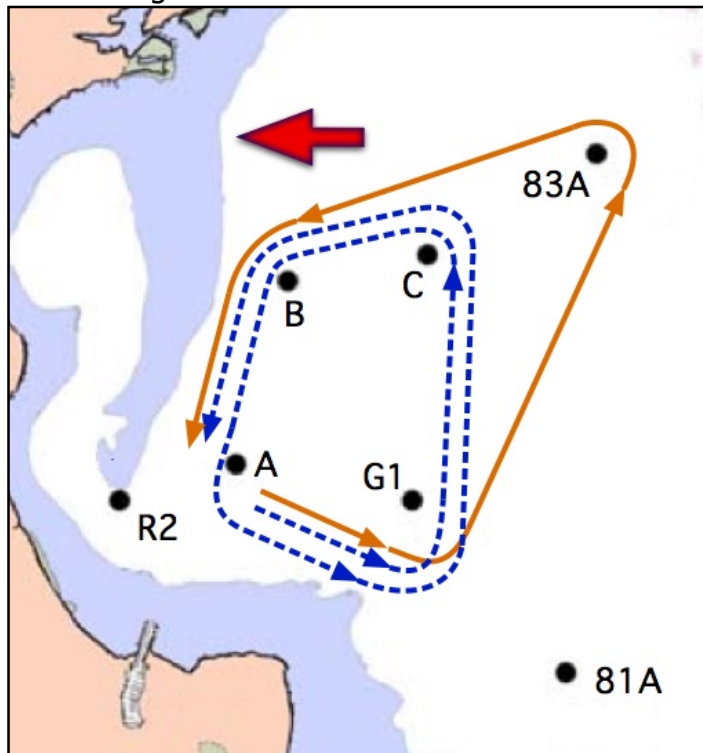
Notes:

- 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)

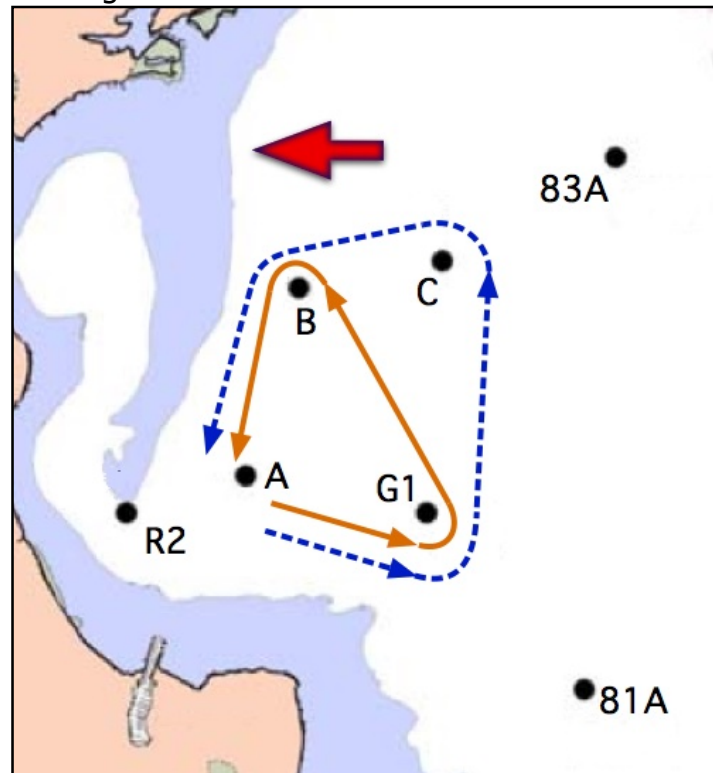
Start → G1(P) → 83A(P) → B(P) → A(P)

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)

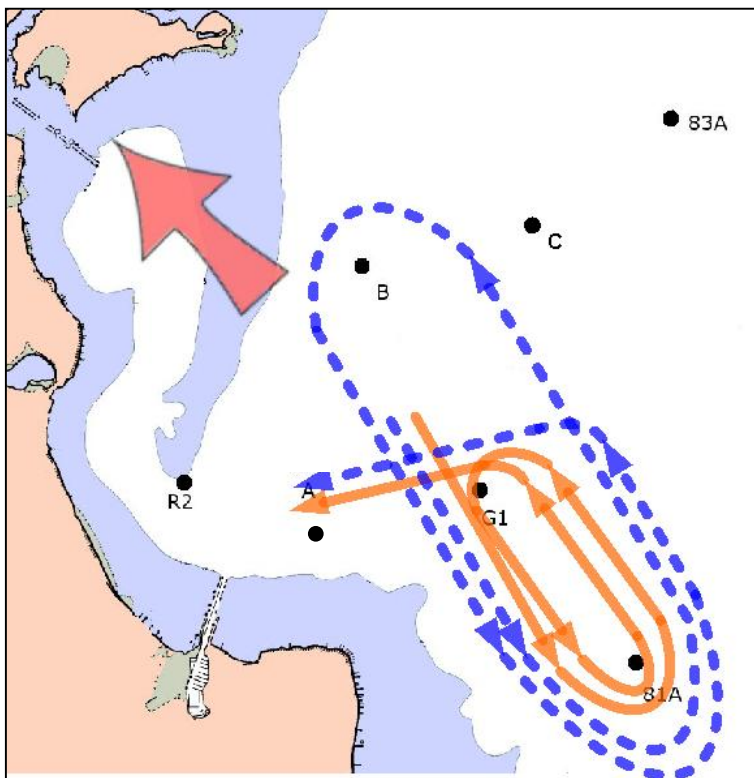
Notes:

- 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)

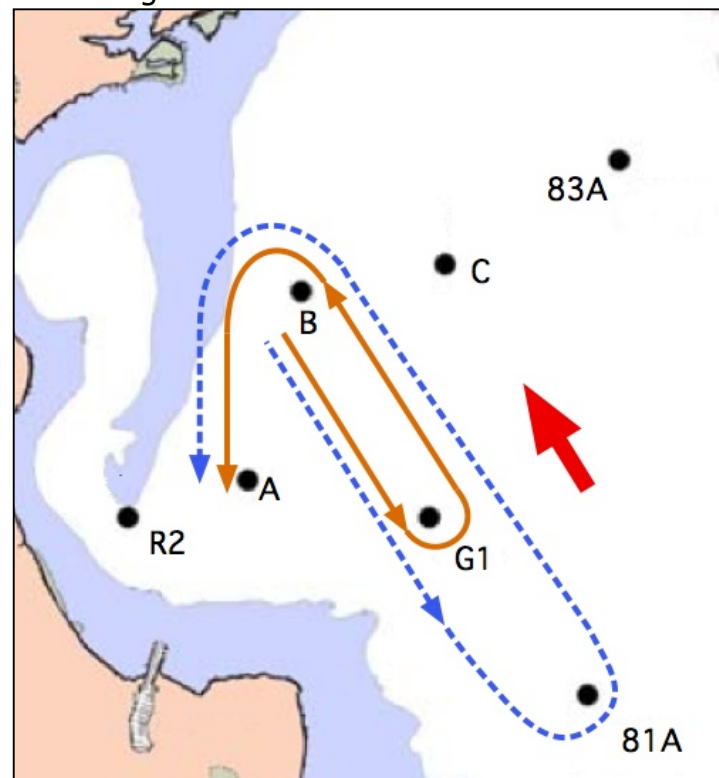
Start → 81A(P) → G1(P) → 81A(P) → G1(P) → A(P)

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)

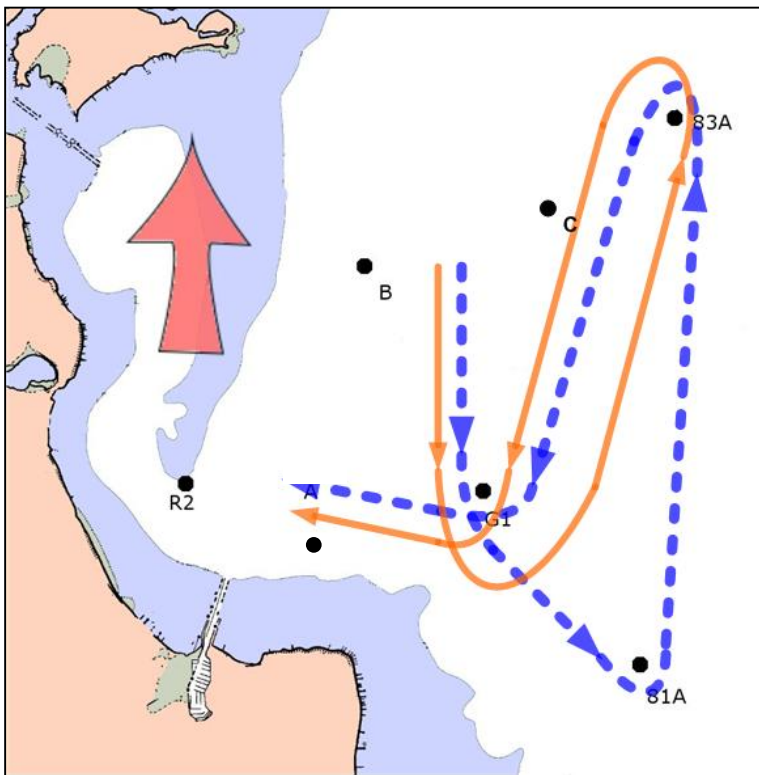
Notes:

- 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.
- Courses may be shortened to "B".



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)

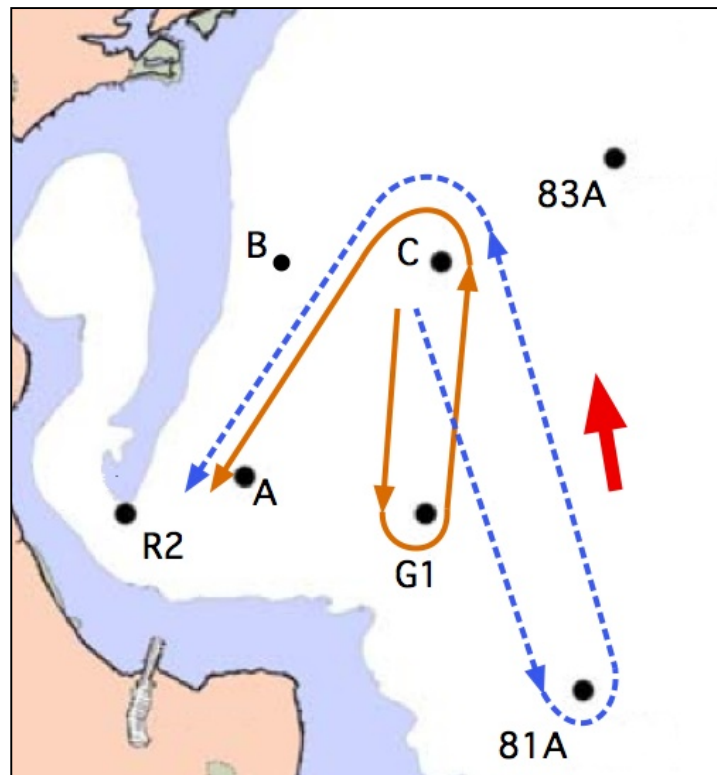
Start → G1(P) → 83A(P) → G1(S) → A(P)

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 Winds



Long Course: (5.5 nm)

Start → 81A(P) → C(P) → A(P)

Short Course: (3.8 nm)

Start → G1(P) → C(P) → A(P)

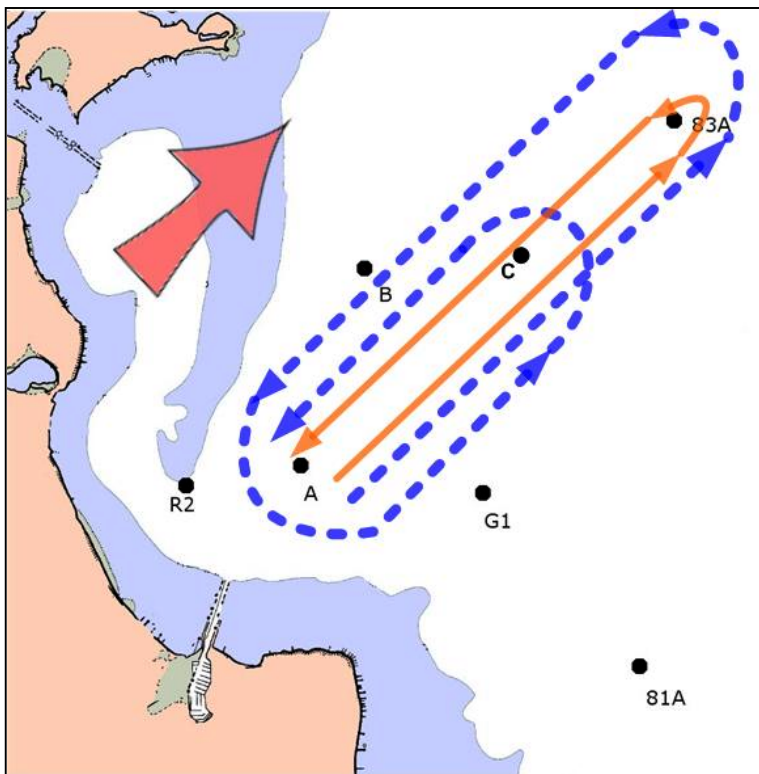
Notes:

- 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)

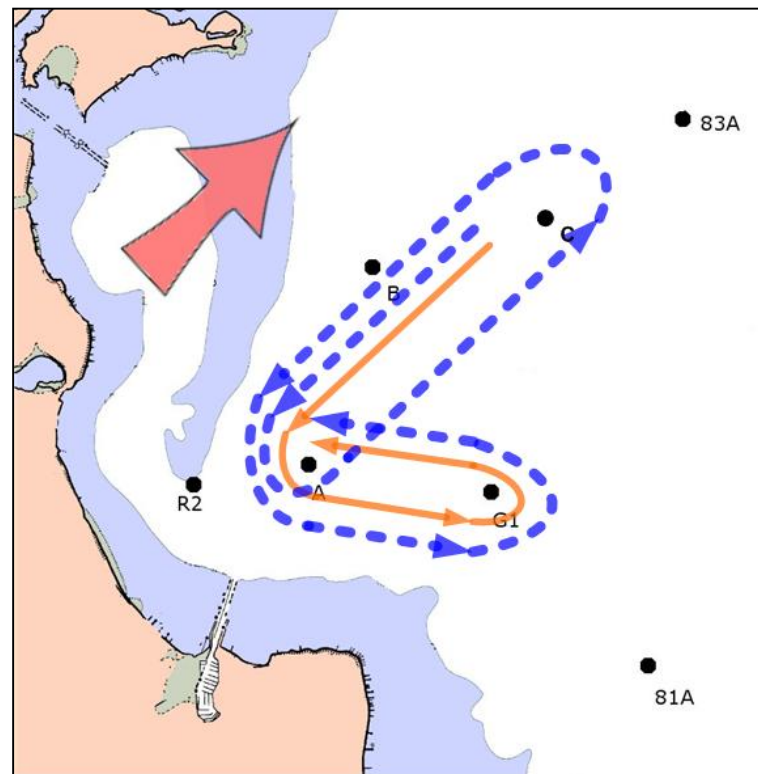
Start → 83A(P) → A(P)

Notes:

- Downwind start!
- Set starting line with inflatable mark directly upwind 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)

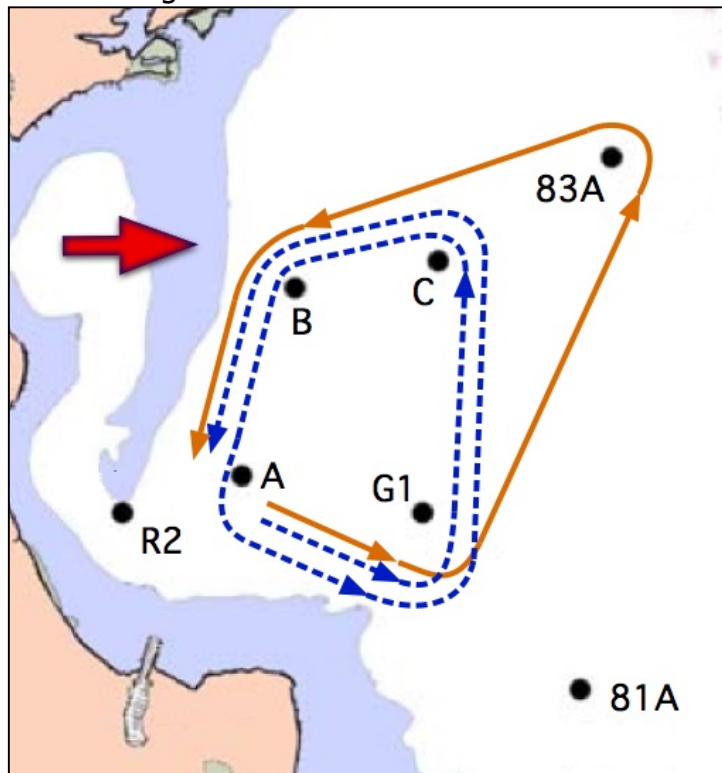
Notes:

- 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)

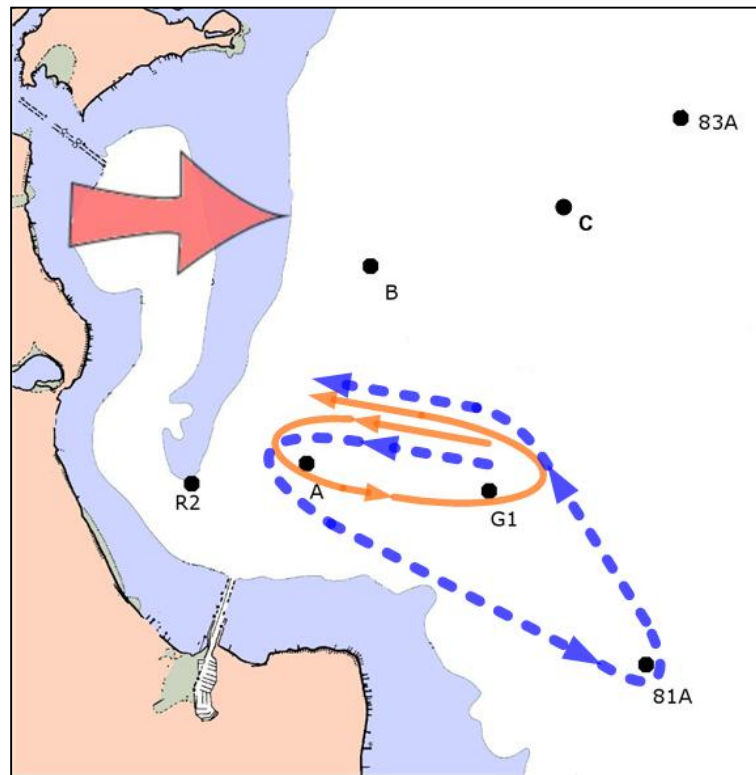
Start → G1(P) → 83A(P) → B(P) → A(P)

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 Winds



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)

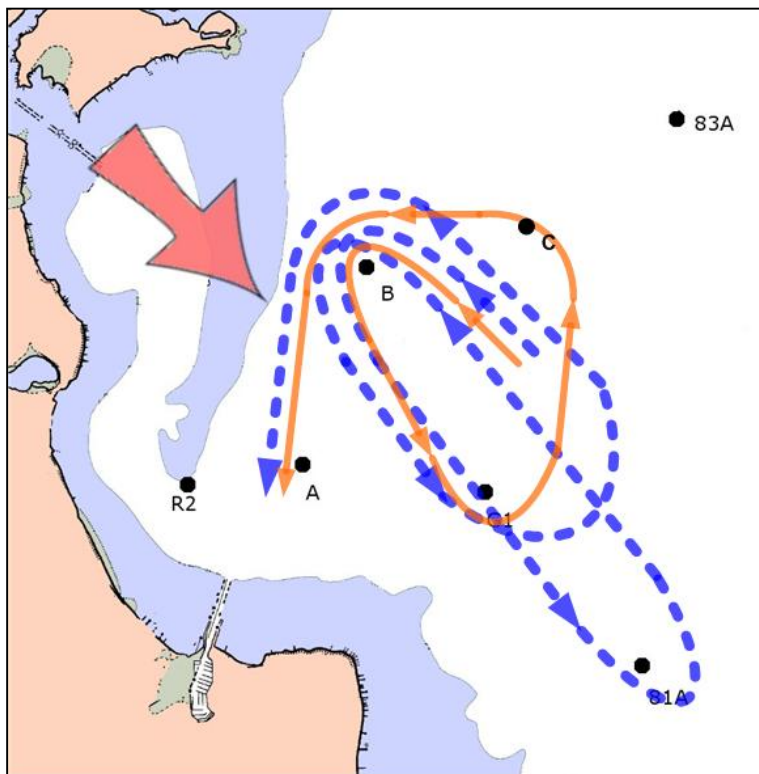
Notes:

- 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)

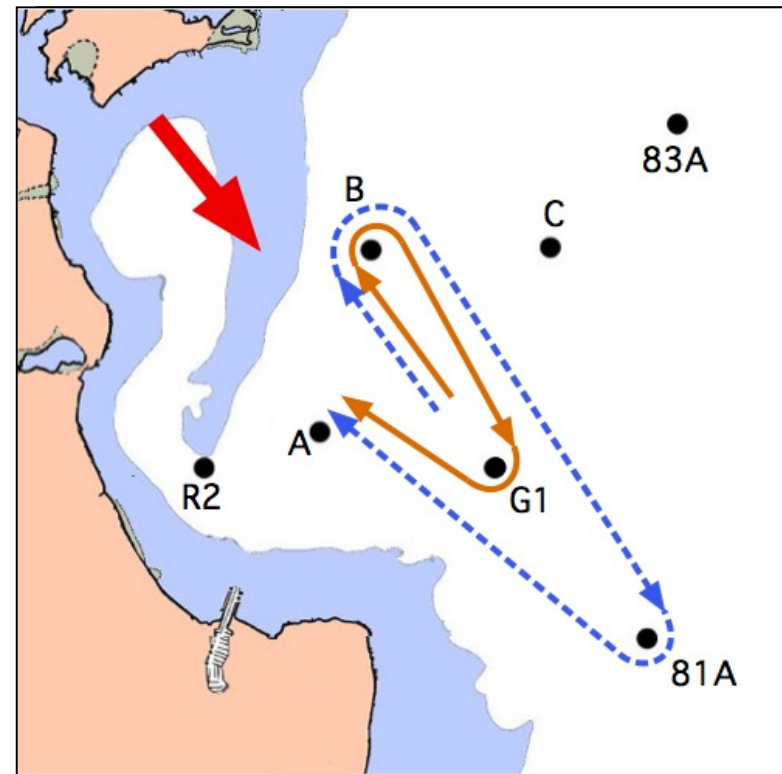
Start → B(P) → G1(P) → C(P) → B(P) → A(P)

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)

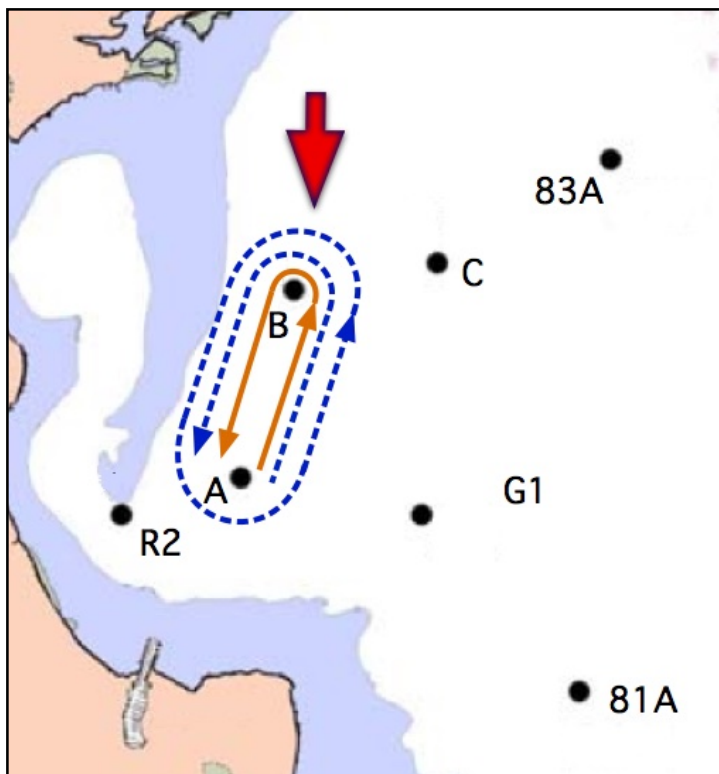
Notes:

- Set starting line with inflatable mark directly downwind from "B", north and slightly west of "G1".
- Either course can be shortened, but only 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:

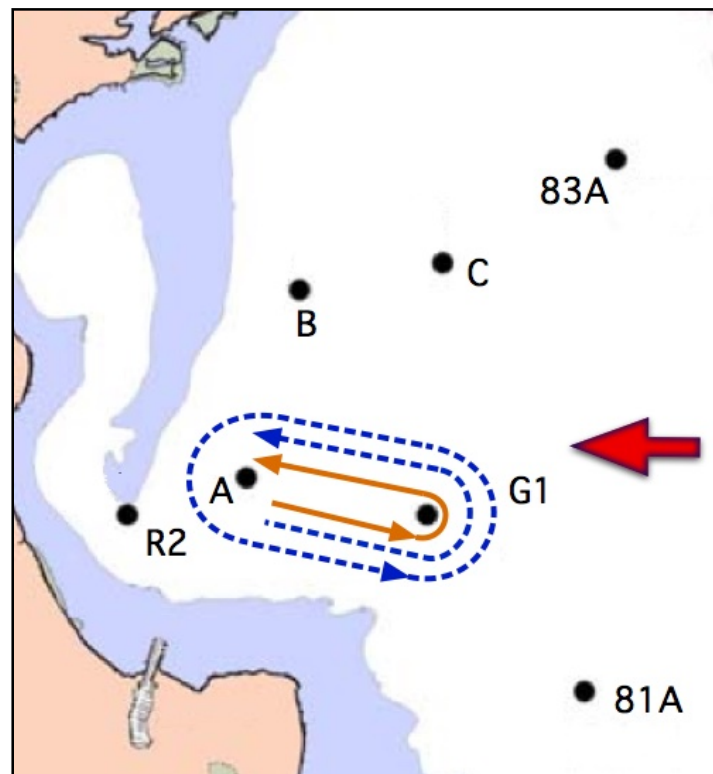
Start → B(P) → A(P)

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 Winds



Long Course:

Start → G1(P) → A(P) → G1(P) → A(P)

Short Course:

Start → G1(P) → A(P)

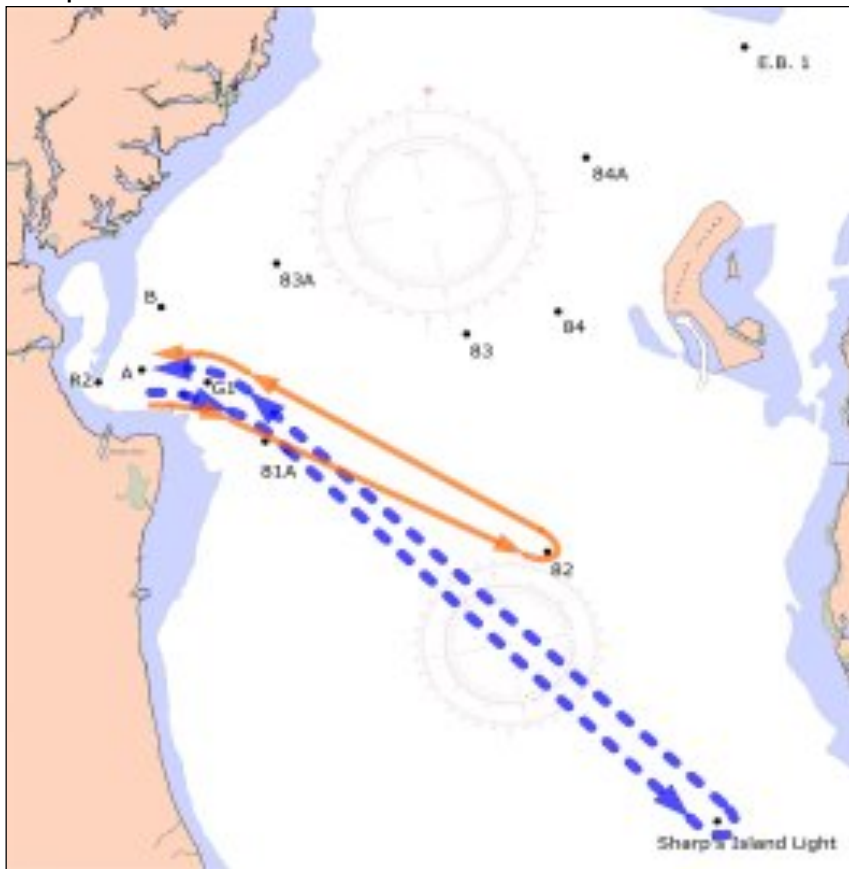
Notes:

- 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

Sharp's Island Race



Long Course: (22.5nm)

Start → 81A(S) → Sharps' Light (P) → G1(P) → A(P)

Short Course: (13.5 nm)

Start → 81A (S) → 82 (P) → G1(P) → A(P)

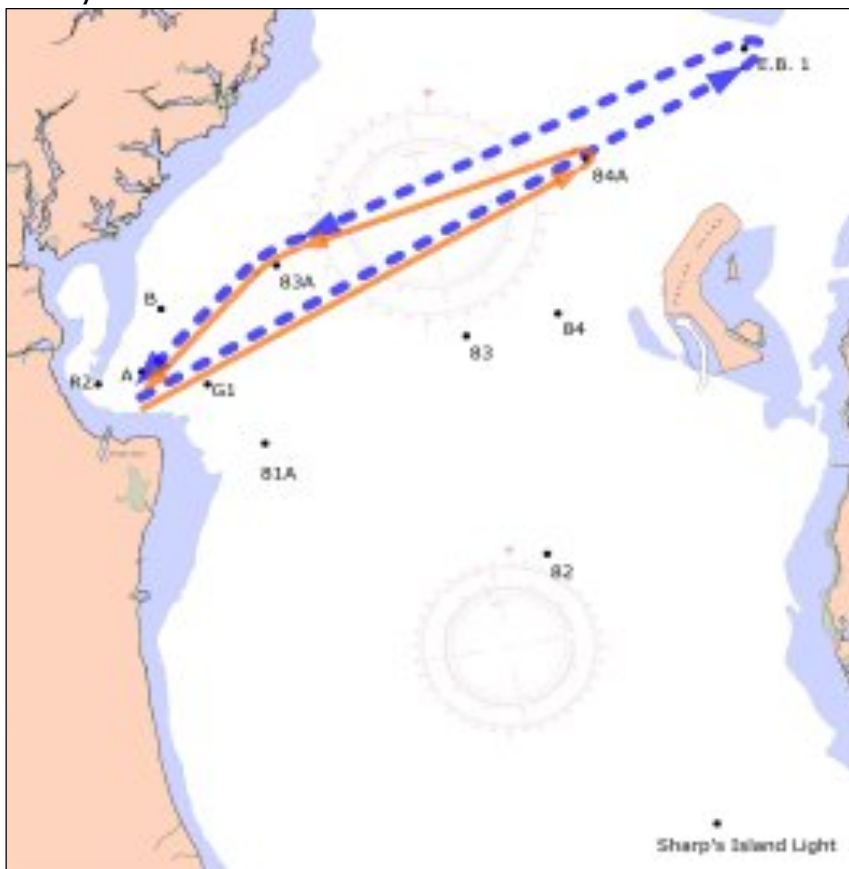
Notes:

- Set starting leg using "A" as pin end and making line perpendicular to first leg.
- If necessary, both courses may be shortened to "G1".



Course V

Bloody Point Race



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)

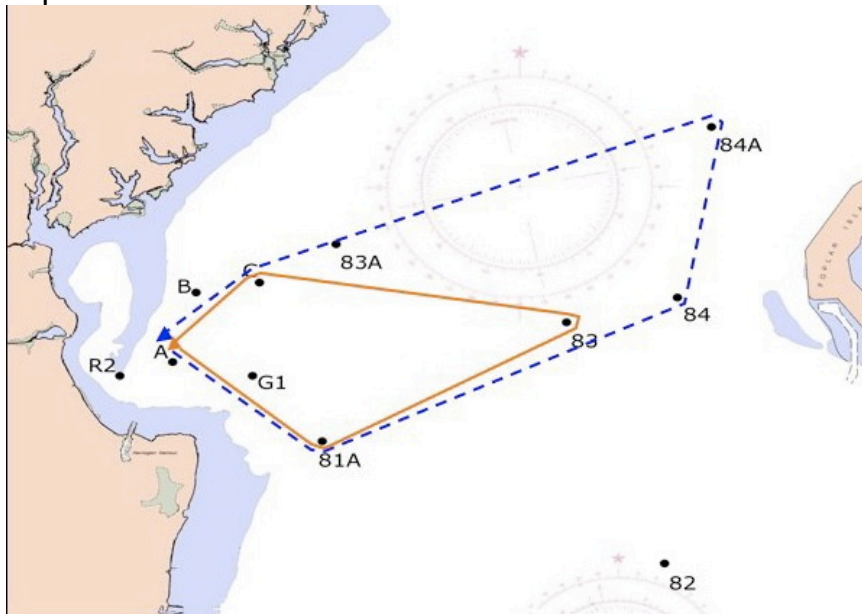
Notes:

- Set starting leg using "A" as pin end and making line perpendicular to first leg.
- Courses may both be shortened to "83A"



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)

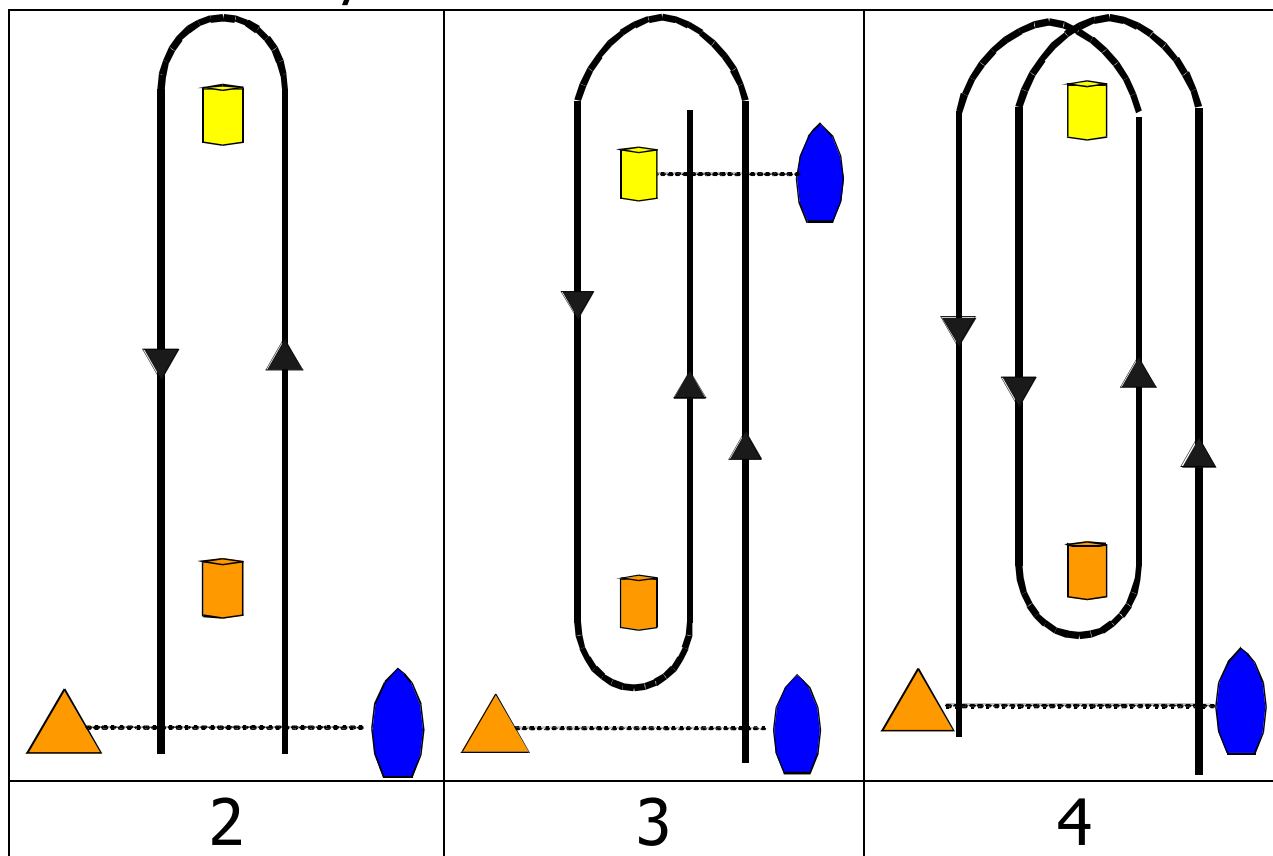
Start → 84A(S) → 82(S) → 83(P) → A(P)

Short Course: (13.2 nm)

Start → 83(S) → 82(S) → A(P)



Windward/Leeward Courses



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 direction and distance to the windward mark on committee boat prior to start.



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

