Preamble to the 2014 *Green Book* General Sailing Instructions

This Preamble to the 2014 *Green Book* General Sailing Instructions (GSIs) describes: the type of information found in the *Green Book* pages, High Point awards, and the relationship between *Green Book* pages and other CBYRA publications. This Preamble does not constitute a rule under the *Racing Rules of Sailing for 2013-2016 Including US Sailing Prescriptions* (RRS).

1. **Types of *Green Book* Pages**
   This *Green Book* contains pages of information for many (but not all) sanctioned CBYRA events. Each page will specify that it is one of three different categories of document. The three categories and their standing as rules under the RRS are as follows:

   A. **Notice Of Race:**
   This Notice Of Race ranks as a Rule under RRS (Definitions). If this page specifies that the Sponsoring Club will issue event-specific Sailing Instructions, the *Green Book* General Sailing Instructions will not apply.

   B. **Notice Of Race and Amendment to *Green Book* General Sailing Instructions:**
   This Notice Of Race ranks as a *rule* under RRS (Definitions). The *Green Book* General Sailing Instructions and this Amendment Page will apply and will rank as *rules* under the RRS (Definitions).

   C. **Race Announcement:**
   Information on this page is only to inform potential competitors that an event is scheduled. This page is not a *rule* under the RRS (Definitions). Contact the host club directly to obtain a Notice Of Race and Sailing Instructions.

2. **High Point**
   CBYRA High Point awards recognize competitors with consistent performance in CBYRA Sanctioned races. Earning any points towards High Point requires PRIOR membership in CBYRA, Class Association, and CBYRA affiliated yacht club. Refer to the CBYRA Yearbook for eligibility, requirements and scoring for CBYRA High Point.

   High Point rules refer to criteria for measuring this consistent performance and awarding trophies – they are not rules for racing. No material in the CBYRA Yearbook will be construed to change, replace, or amend these *Green Book* General Sailing Instructions.

3. **Yearbook**
   Any information in the CBYRA Yearbook or other publications that references conditions of race or these *Green Book* General Sailing Instructions do not rank as *rules* under the RRS (Definitions).

This preliminary release will be superseded by the final version of the General Sailing Instructions in the 2014 CBYRA Green Book

Green Book General Sailing Instructions

(General Sailing Instructions (GSIs) for CBYRA Sanctioned Handicap and Cruising One-Design Division events)

1 Rules

1.1 Unless a host club publishes separate event-specific Sailing Instructions, CBYRA Handicap and Cruising One-Design division events will be governed by:

(a) the *Racing Rules of Sailing for 2013-2016 Including US Sailing Prescriptions* (RRS);
(b) the event-specific Notice of Race;
(c) these *Green Book* General Sailing Instructions (GSI);
(d) the event-specific *Notice Of Race/Green Book General Sailing Instruction Amendment (GSI Amendment)* page(s) found in this *Green Book* document that may add to, modify, or replace any portion of the *GSI*.

2 Notice Boards

If an event's Green Book page is a Notice Of Race/ GSI Amendment and a notice board is not specified, then the CBYRA website (www.CBYRA.org) will be the official notice board for that event. Postings will be made by 1700 hours the day preceding the event.

3 Entries

3.1 Check the event's Notice Of Race or GSI Amendment to see if the CBYRA on-line entry and payment system is available for the event. If it is, completing that entry process with payment satisfies those entry requirements.

3.2 If on-line entry is not available, a completed CBYRA Standard Entry Form is required for each event. (CBYRA Standard Entry Forms are at the back of this document).

3.3 A boat may not enter in more than one class in a start sequence unless the host club has chosen to combine the boat classes in a single start.

3.4 A boat is not entered for an event until the required entry fee is paid in compliance with either GSI 3.1 or 3.2 and all other requirements of the Notice Of Race.

3.5 The host club must receive a boat's entry and any supporting class certificates (whether online or mail or personal delivery) before the deadline specified in the event's Notice Of Race or GSI Amendment.

4 Class Flags

4.1 A boat competing in a class listed below shall clearly display two class flags - one at the bow (from the bow pulpit if available) and one at the stern (approximately 5 feet up on the backstay if the boat has a backstay).

4.2 2013 CBYRA Class Identification Flags:

Handicap Division

PHRF A0	0	PHRF N	5		
PHRF A/A1	9	Sport	1		
PHRF A2	2	Multihull A	W		
PHRF B	6	Multihull B	F		
PHRF C	7	Beach Cat			

Cruising-One-Design/One-Design Division

Alberg 30	G	J/24	U		
Cal 25	T	J/30	D		
Catalina 27	8	J/35	K		
Etchells	E	J/80	J		
		J/105	V		

*Class Flags for some **Unsanctioned CBYRA Classes** found within this Green Book. These may be changed in an event's Green Book Sailing Instruction Amendment.*

Beneteau 36.7	2nd Sub	MORC	4		
Farr 30	A	Triton	H		

4.3 A class that is not listed above shall display the class flag as designated in the event's GSI Amendments.

5 Courses and Marks

5.1 Unless modified in the *Event Sailing Instructions*, courses shall either use standard racing marks as described in GSI 5.4 or drop mark courses as described in GSI 5.5.

5.2 Marks or courses designated in red shall be rounded to port; marks designated in green shall be rounded to starboard.

5.3 Before a start, if the race committee starting boat flies Flag "C" with the preparatory signal for a class and several short horns, then the first mark for that class will be a change mark. This changes RRS 33 (Changing the Position of the Next Mark) and RRS Race Signals.

5.4 For courses designated by government marks and/or special racing buoys:

(a) The pages titled "**Region Standard Racing Marks"** for the region or area describe the marks and their designators to be used in the region or area in which the race is conducted.

(b) The course to be sailed will be designated in the event's GSI Amendments or by letters displayed on a race committee boat.

(c) Marks shall be rounded in the order displayed on the race committee boat, reading from left to right or from top to bottom.

(d) One lap shall be sailed unless the course designation is followed by a numeral that specifies the number of laps to be sailed.

5.5 For drop mark courses:

(a) The pages titled "**Drop Mark Type Courses"** described the drop mark courses and their course identification letters.

(b) The course to be sailed will be displayed using placard on the race committee boat. The approximate distance and bearing to the first mark will be displayed on the race committee boat using either numerical code flags or placards.

(c) The following navigational aids rank as passing marks and shall be passed on the channel side at all times: Tolly Point Dolphin ("1AH"); Thomas Point Shoal Light; Bloody Point Bar Light.

6 Boat Check In

Before the first warning signal of the first race a boat sails each day, each boat shall pass the race committee signal boat and hail her sail number until acknowledged by the committee.

7 Marks

For government-mark course (GSI 5.5) the marks are described under "Region Standard Racing Marks." For drop mark courses (GSI 5.6), the marks will be inflatable buoys as described in the Event Sailing Instructions.

8 The Start

Races will be started under RRS 26 (Starting Races).

9 Starting Line/Starting Area

9.1 The starting line will be between the staff or halyard containing a yellow or orange flag on the race committee boat and the course side of the designated starting mark or as specified in the event's GSI Amendments.

9.2 A race committee starting or finishing boat may set a stand-off buoy. When present, this stand-off buoy, the line attaching it to the race committee boat, and the race committee boat are all part of the starting or finishing mark.

9.3 The starting area is defined as extending 100 yards beyond each end of the starting line and 150 yards behind the line and its extension. Boats whose warning signal has not been made shall stay clear of starting area during the starting sequence for other races.

10 Individual Recall

The race committee may attempt to notify boats identified as OCS by announcing the boat's sail number over VHF radio. Such announcements are made as a courtesy and, as such the following will not be grounds for redress:

(a) Failure of the race committee to broadcast sail numbers.
(b) Failure of a boat to receive the recall broadcast
(c) A boat's position in the sequence of broadcasted numbers
(d) Promptness of the broadcast.

This changes RRS 62.1.

11 General Recalls

11.1 General recalls will be made in accordance with RRS 29.2 (General Recall).

11.2 If the warning signal for a subsequent class has been displayed, it will be removed. The starting sequence of the subsequent class will begin again following the recalled class start.

12 Course Changes

After a start, if Flag "C" is flown over Flag "Q", then the course change applies only to boats beginning their final leg to the finish. This changes RRS 33 (Changing the Position of the Next Mark) and RRS Race Signals.

13 The Finish

13.1 The finishing line will be between the staff or halyard containing a yellow or orange flag on a race committee boat and the course side of the designated finish mark.

13.2 A boat shall take its own finishing time and record any boat finishing directly ahead and directly astern and shall give this information to the race committee if requested.

13.3 A boat approaching the finish at night shall show a white light to call attention to her presence and when crossing the finish line to illuminate her racing numbers. An ordinary flashlight is not acceptable for this purpose.

14 Penalties for Breaking Rules of Part 2 and RRS 31

14.1 RRS 44.2, One-Turn and Two-Turns Penalties will apply.

14.2 RRS/US Appendix T, Section B (Post Race Penalties) will apply.

15 Protests

15.1 Rule 61.1(a) is changed by adding: "A boat displaying red flag and intending to protest shall inform the race committee signal boat as soon as reasonably possible after finishing or retiring by hail or VHF call on the Fleet's courtesy broadcast channel identified in the event's GSI Amendments until acknowledged. The hail shall include the sail number or boat name of the protested boat."

15.2 A boat that retires or withdraws before finishing shall notify the race committee as soon as reasonably possible.

15.3 Protests shall be delivered in accordance with the procedures specified in the event's GSI Amendments.

15.4 The penalty for breaking the following rules will be at the discretion of the protest committee: GSI 4 (Class Flags), GSI 6 (Boat Check In), GSI 9.3 (starting area definition), GSI 13.2 (taking finish time), GSI 13.3 (light on sails at night), GSI 15.2 (retiring before finishing), GSI 17 (Commercial Traffic), GSI 18 (USCG Safety and Security Zones), and RRS 55.

16 Scoring

The *Low Point Scoring System* described in RRS Appendix A4 will apply modified such that a boat's series score will be the total of all her race scores.

17 Commercial Traffic

17.1 A boat may not exercise right of way, cross in proximity to, or interfere with reasonable transit of the race area by commercial ships, tugs, or barges. Boats must take evasive action well in advance of a potentially dangerous situation. The US Coast Guard, ship captains, and bay pilots have been encouraged to report any incident they observe.

17.2 A boat without way may use her engine to avoid commercial traffic that is under way provided: (a) the boat does not gain an advantage; (b) using the engine is the boat's only means of avoiding the commercial traffic; and (c) the boat submits a report (in writing or by e-mail) with the event's race committee by the protest filing deadline describing the incident and the boat's actions. This changes RRS 42.

17.3 A boat racing at night in close proximity to other vessels shall illuminate their sails so that they are clearly visible. This requirement is in addition to the navigation lights and shapes required by the Inland Rules or other applicable government regulations.

17.4 The race committee or protest committee may protest a boat for breaking GSI 17 based on information received from any source. The protest time limit does not apply. This changes RRS 60.2, 60.3 and 61.3.

17.5 Boats may not protest other boats for breaking GSI 17.1. This changes RRS 60.1.

18 USCG Safety and Security Zones

Boats shall not enter US Coast Guard “Exclusion Zones”. These zones rank as "obstructions".

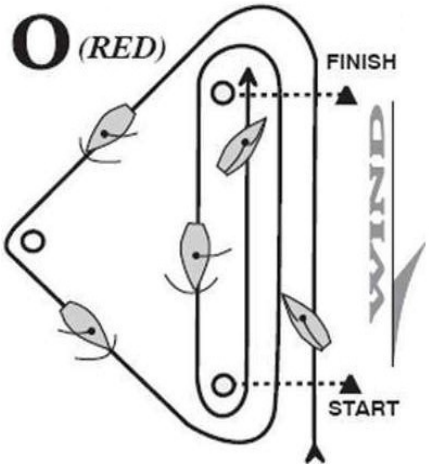
2014 Drop Mark Courses

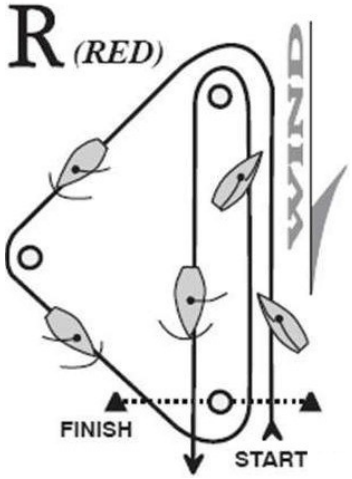
NOTE: *These courses and prescriptions may be modified by the Event Sailing Instructions for each respective event.*
See also GSI 5, Courses, for additional course information.

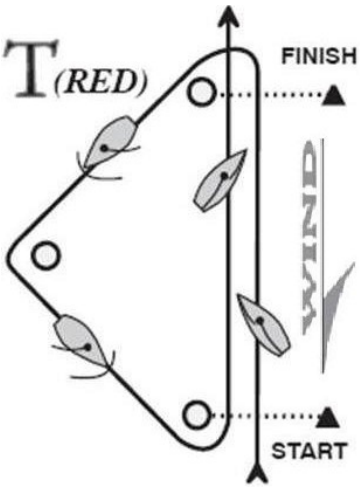
Unless modified by the Event Sailing Instructions, the following diagrams with identifying letters indicate the courses that may be sailed.

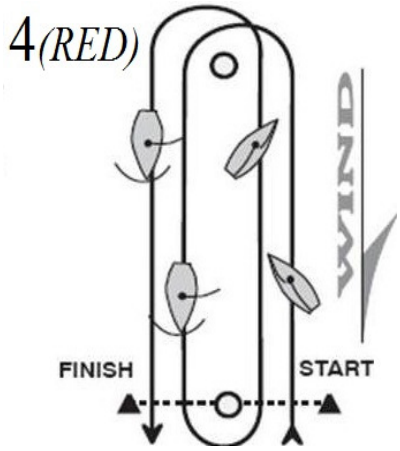
Please note that these course diagrams illustrate finish lines with a suggested position of the race committee boat relative to the nearby finish mark. This may not be the case for all finish lines. Under definition of finishing in the Racing Rules of Sailing, the boats shall cross "the finish line from the course side".

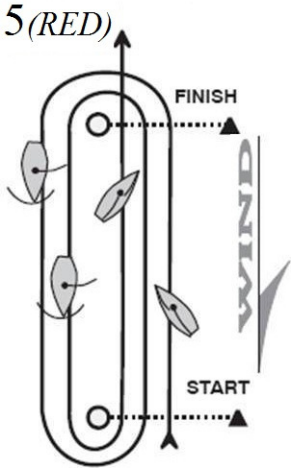
Courses and Identification Letters

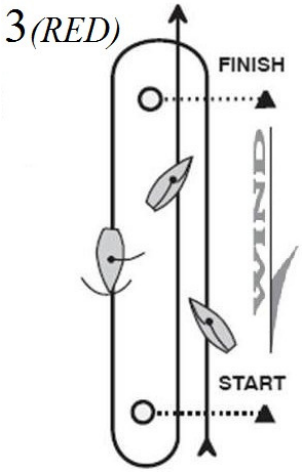


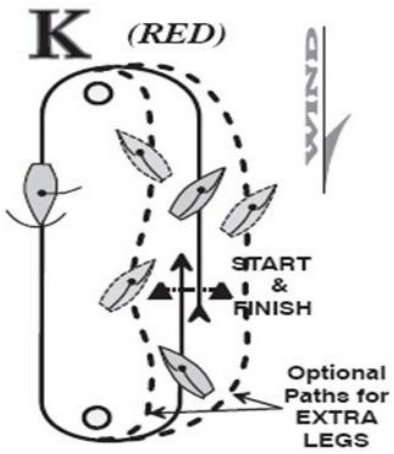








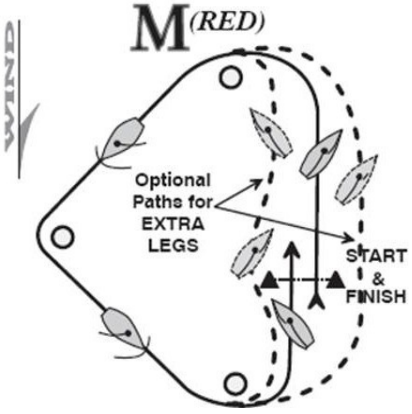




For courses K and M only:

(1) The start/finish line will be approximately 1/3 to 1/2 of the way up from the leeward mark towards the windward mark.

(2) After *starting* and until *finishing*, boats shall not sail through the start/finish line. On legs that do not start or end at the start/finish line, the start and finish marks rank as passing *marks*. The line may be passed on either side, but both marks of the line shall be passed on the same side.



(Continued on next page)

2014 Drop mark Courses – Course Modification Suffixes

The following course diagrams illustrate the modifications to a drop mark course by displaying a suffix letter, in any combination or order, after the Course Identification Letter.

Course Suffix "F" - The finish line will be located approximately 100 – 200 yards to windward of the windward mark (for courses with a windward finish) or approximately 100 – 200 yards to leeward of the leeward mark (for those courses with a leeward finish).

The windward mark (for windward finishes) or the leeward mark (for leeward finishes) is not a mark of the course during the last leg of the course.

If there is a course change, the windward mark (for windward finishes) or the leeward mark (for leeward finishes) may not be reset, but the last leg of the course will be correspondingly longer.

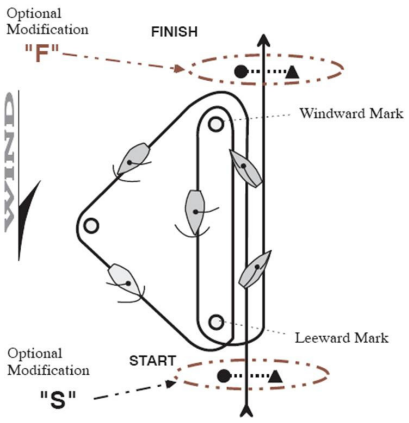
Course Suffix "G" - The leeward mark shall be a *gate* instead of a single mark. If the Race Committee sets a gate, as seen in the illustration below, yachts shall sail between mark S and mark P from the direction of the last mark and round either mark S to starboard or mark P to port.

Course Suffix "S" - The starting line will be located approximately 100 – 200 yards to leeward of the leeward mark. The leeward mark is not a mark of the course during the first leg of the course.

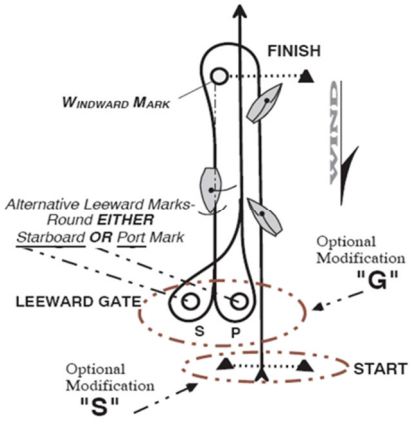
Course Suffix "X" - The course length is increased by the inclusion of two additional legs (one windward leg and one leeward leg)

Examples:

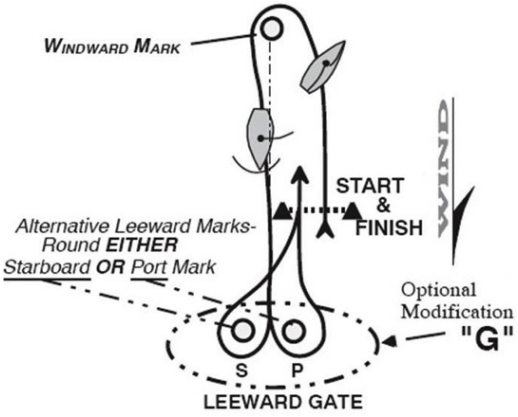
Course "O"(red) with S and F



Course "3"(red) with G and F

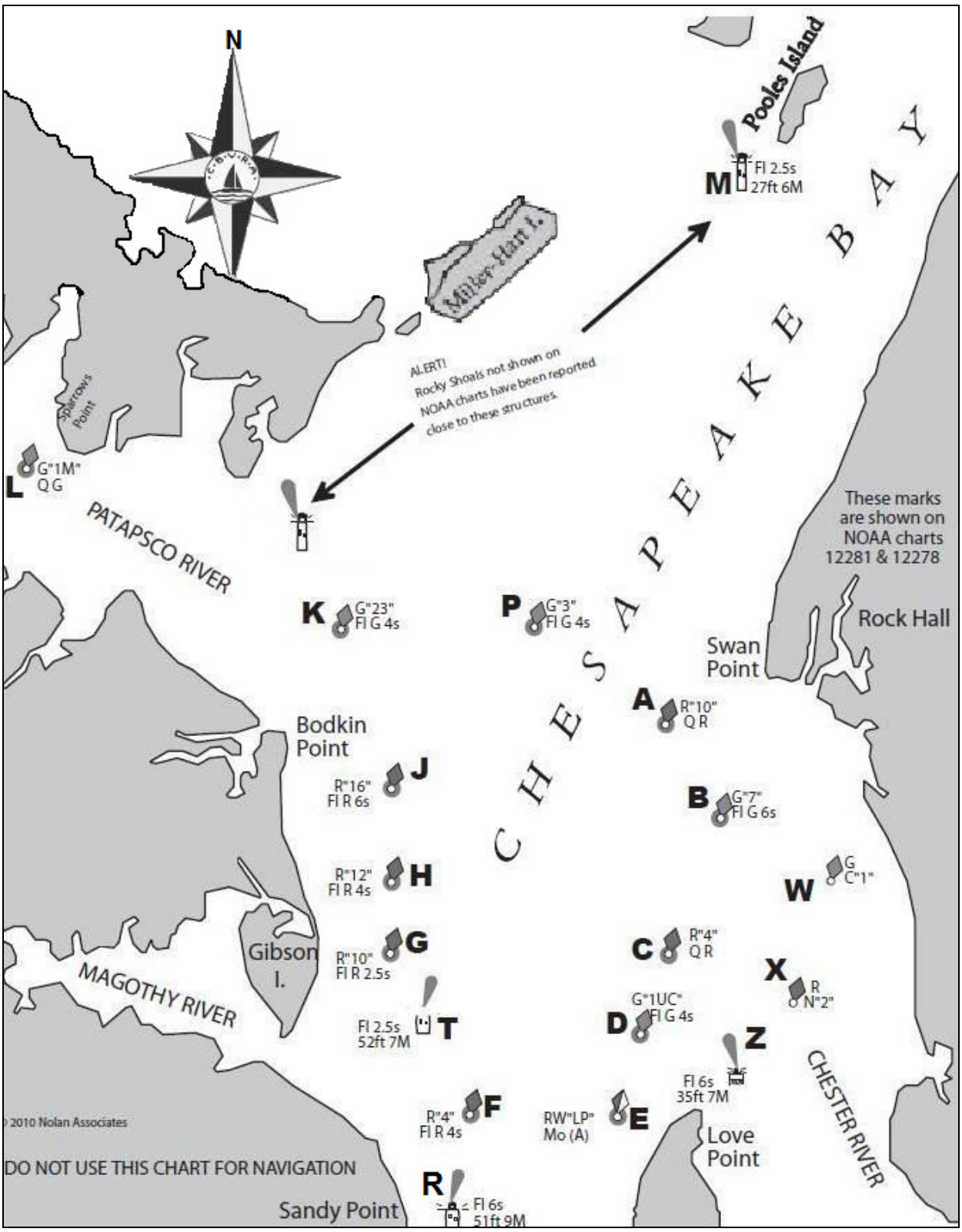


Course "K"(red) with G modification



Region 2 – 2014 Standard Racing Marks

Chesapeake Bay Area Chart



Region 2 – 2014 Standard Racing Marks

Chesapeake Bay Area Mark Locations & Distances Between

MARK	GOVT. ID	CHARACTERISTCS	LOCATION	Lat 39° N	Lon 76° W
A	R "10"	QR	WSW of Swan Point	8.383	19.357
B	G "7"	Fl G 6s	N. end of Swan Point Channel	6.585	18.297
C	R "4"	QR	Swan Point Channel Angle	5.651	17.894
D	G "1UC"	Fl G 4s	S. end of Swan Point Channel	4.815	18.85
E	RW "LP"	Mo (A)	W. of Love Point	2.58	20.761
F	R "4"	Fl R 4s	SE of Baltimore Light	2.261	22.834
G	R "10"	Fl R 2.5s	South end of Craighill Channel	4.458	23.571
H	R "12"	Fl R 4s	Middle of Craighill Channel	5.182	23.556
J	R "16"	Fl R 6s	ESE of Bodkin Point	6.99	23.57
K	G "23"	Fl G 4s	Middle of Craighill Channel Upper	9.333	25.116
L	G "1M"	Q G	Fort McHenry Channel	12.05	30.779
M	Fixed Lt	Fl 2.5s 27ft 6M	Pooles Island Bar Light	15.707	16.681
N	Fixed Lt	Fl 3s 39ft 8M	Forward Craighill Channel Light		
P	G "3"	Fl G 4s	Brewerton Channel Eastern Extension	9.136	21.137
R	Fixed Lt	Fl 6s 51ft 9M	Sandy Point Light	0.945	23.093
T	Fixed Lt	Fl 2.5s 52ft 7M	Baltimore Light	3.551	23.94
U	RC Choice	Inflatable Drop Mark	May be set by RC at Starting Line		
V	RC Choice	Inflatable Drop Mark	May be set by RC as 1st mark of course		
W	G C "1"		South of Swan Point	5.555	15.264
X	RN "2"		NE of Love Point	3.994	16.356
Z	Fixed Lt	Fl 6s 7M	Love Point	3.423	16.981

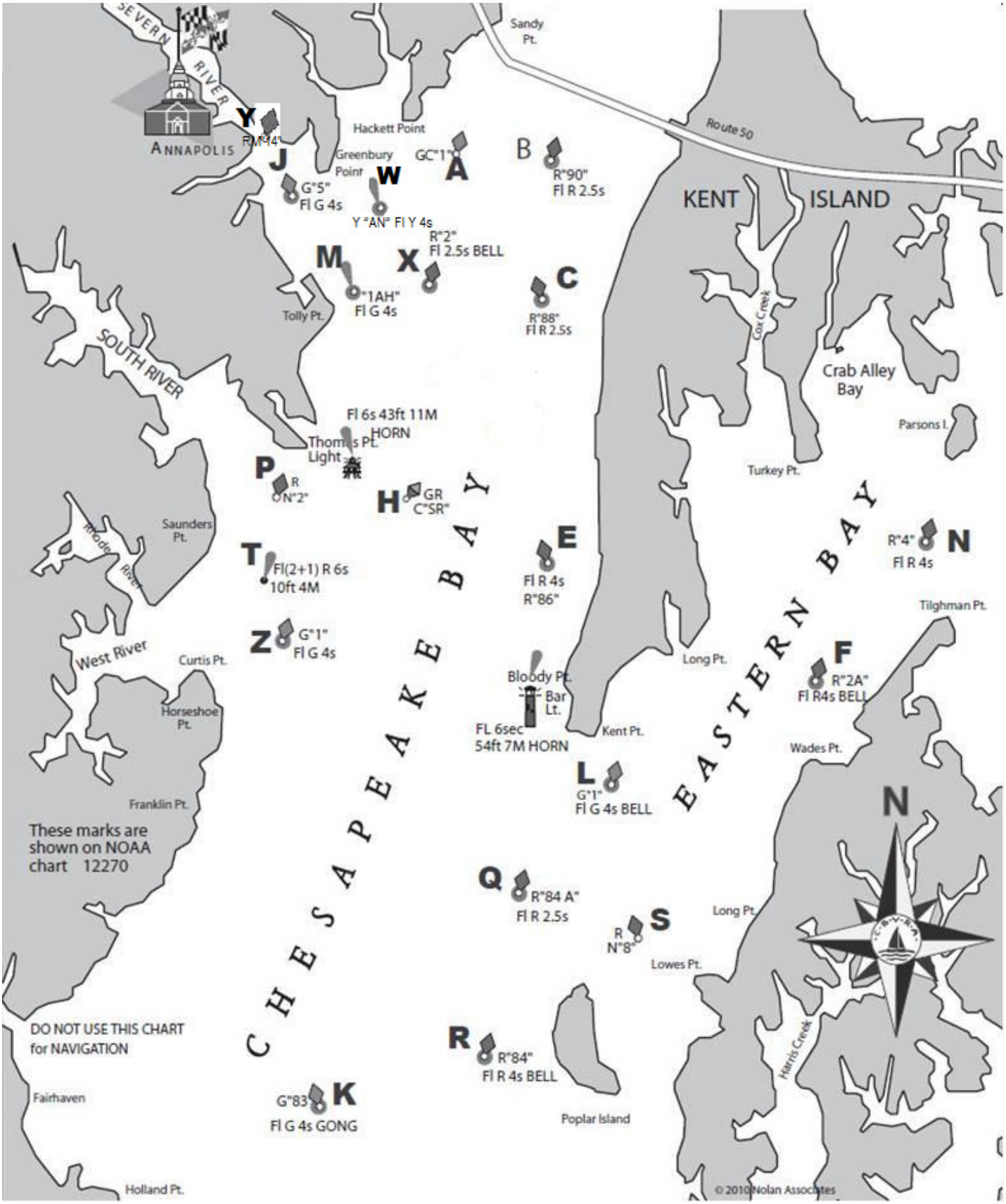
Approximate positions of government marks are offered for reference only to assist in locating on a navigational chart. Government symbols or numbers may be changed. Changes are published in Notice to Mariners. Marks listed above have been validated as Standard Racing Marks by the CBYRA Region II Vice President.

Mk	↔	Mk	N.Mi.	Mk	↔	Mk	N.Mi.	Mk	↔	Mk	N.Mi.	Mk	↔	Mk	N.Mi.	Mk	↔	Mk	N.Mi.
A	↔	B	1.23	B	↔	L	11.13	D	↔	J	4.25	F	↔	L	11.61	J	↔	L	7.56
A	↔	C	2.95	B	↔	M	9.21	D	↔	K	6.66	F	↔	M	14.29	J	↔	M	10.23
A	↔	D	3.59	B	↔	P	3.36	D	↔	L	11.77	F	↔	P	7.02	J	↔	P	2.86
A	↔	E	5.91	B	↔	W	2.56	D	↔	M	11.05	F	↔	W	6.76	J	↔	W	6.59
A	↔	F	6.69	B	↔	X	2.96	D	↔	P	4.65	F	↔	X	5.35	J	↔	X	6.34
A	↔	G	5.12	B	↔	Z	3.32	D	↔	W	2.90	F	↔	Z	4.70	J	↔	Z	6.24
A	↔	H	4.63	C	↔	D	1.13	D	↔	X	2.09	G	↔	H	0.72	K	↔	L	5.17
A	↔	J	3.54	C	↔	E	3.8	D	↔	Z	2.02	G	↔	J	2.53	K	↔	M	9.14
A	↔	K	4.50	C	↔	F	5.14	E	↔	F	1.64	G	↔	K	5.02	K	↔	P	3.11
A	↔	L	9.60	C	↔	G	4.57	E	↔	G	2.87	G	↔	M	12.47	K	↔	W	8.52
A	↔	M	7.62	C	↔	H	4.43	E	↔	H	3.39	G	↔	P	5.06	K	↔	X	8.63
A	↔	P	2.00	C	↔	J	4.62	E	↔	J	4.92	G	↔	W	6.56	K	↔	Z	8.65
A	↔	W	4.26	C	↔	K	6.70	E	↔	K	7.55	G	↔	X	5.62	L	↔	P	8.04
A	↔	X	4.95	C	↔	L	11.92	E	↔	L	12.27	G	↔	Z	5.23	L	↔	W	13.69
A	↔	Z	5.29	C	↔	M	10.13	E	↔	M	13.52	H	↔	J	1.81	L	↔	X	13.79
B	↔	C	0.99	C	↔	P	4.31	E	↔	P	6.57	H	↔	K	4.33	L	↔	Z	13.79
B	↔	D	1.84	C	↔	W	2.05	E	↔	W	5.25	H	↔	M	11.80	P	↔	W	5.78
B	↔	E	4.45	C	↔	X	2.02	E	↔	X	3.77	H	↔	P	4.39	P	↔	X	6.32
B	↔	F	5.59	C	↔	Z	2.35	E	↔	Z	3.06	H	↔	W	6.48	P	↔	Z	6.57
B	↔	G	4.63	D	↔	E	2.67	F	↔	G	2.26	H	↔	X	5.74	W	↔	X	1.76
B	↔	H	4.33	D	↔	F	4.01	F	↔	H	2.96	H	↔	Z	5.42	W	↔	Z	2.55
B	↔	J	4.12	D	↔	G	3.67	F	↔	J	4.76	J	↔	K	2.64	X	↔	Z	0.78
B	↔	K	5.98	D	↔	H	3.68	F	↔	K	7.26								

NOTE: *If distance is not shown between two marks, the course most likely crosses land and/or a shoal and should not be used.*

Region 3 – 2014 Standard Racing Marks

Annapolis Area Chart



Region 3 – 2014 Standard Racing Marks

Annapolis Area Mark Locations & Distances Between

MARK	GOVT. ID	CHARACTERISTCS	LOCATION	Lat 38° N	Lon 76° W
X	R "2"	Fl R 2.5s Bell	1.3 nm E of Tolly Point	56.513	25.495
A	G C"1"	G Can	1.1 nm SSE of Hackett Point	58.192	24.861
B	R "90"	Fl R 2.5s Buoy	1.3 nm SSW of Chesapeake Bay Bridge	58.294	23.326
C	R "88"	Fl R 2.5s Buoy	3.3 nm S of Chesapeake Bay Bridge	56.13	22.934
E	R "86"	Fl R 4s Buoy	2.0 nm N of Bloody Point	51.991	23.54
F	R "2A"	Fl R 4s Bell	0.6 nm N of Wades Point	50.559	18.213
H	GR C"SR"	GR Can	0.3 nm SE of Thomas Pt. Light	53.648	25.88
J	G "5"	Fl G 4s Buoy	0.38 nm SW of Greenbury Pt	58.299	27.72
K	G "83'	Fl G 4s GONG	2.5 nm WSW of Poplar Island	45.125	26.655
L	G "1"	Fl G 4s Bell	1.0 nm S of Kent Point	49.119	22.193
M	"1AH"	Fl G 4s 15ft Dolphin	NNE of Tolly Point (Shoal inside)	56.143	26.175
N	R "4"	Fl 4s Buoy	0.8 nm N of Tilghman Point	52.562	15.121
P	R N"2"	R Nun	1.6 nm WSW of Thomas Pt Light	53.727	27.86
Q	R "84A"	Fl R 2.5s Buoy	2.16 NNW of Poplar Island	47.592	24.697
R	R "84"	Fl R 4s Bell	1.3 nm W of Poplar Island	45.457	25.114
S	R N"8"	R Nun	0.95 nm NW of Lowes Point	47.112	20.872
T	Fixed	Fl(2+1) R 6s 15 ft 4M	0.6 nm E of Saunders Pt Shoal Junction Light	53.035	28.626
U	RC Choice	Inflatable drop Mark	May be set by R.C. at Starting Line		
V	RC Choice	Inflatable drop Mark	May be set by R.C. as 1st windward mark		
W	Y "AN"	Fl Y 4s	NOAA Weather Buoy off of Greenbury Pt	57.49	26.50
Y	R N'14"	TR Nun		59.11	28.35
Z	G "1"	Fl G 4s Buoy	2.6 NM NE of Curtis Point	51.839	26.973

PASSING MARKS: The following Marks will always be considered as passing marks and passed on the channel side at all times:
Tolly Point Dolphin (Mark AM@)
Thomas Point Shoal Light
Bloody Point Bar Light

Approximate positions of government marks are offered for reference only to assist in locating on a navigational chart. Government symbols or numbers may be changed. Changes are published in Notice to Mariners. Marks listed above have been validated as Standard Racing Marks by the CBYRA Region III Vice President.

Mk	↔	Mk	N.Mi.	Mk	↔	Mk	N.Mi.	Mk	↔	Mk	N.Mi.	Mk	↔	Mk	N.Mi.	Mk	↔	Mk	N.Mi.	Mk	↔	Mk	N.Mi.
A	↔	B	1.22	B	↔	Q	10.79	E	↔	M	4.64	H	↔	X	2.85	L	↔	P	6.45	P	↔	S	8.56
A	↔	C	2.55	B	↔	R	12.94	E	↔	P	3.81	H	↔	Z	2.03	L	↔	Q	2.52	P	↔	T	0.93
A	↔	E	6.30	B	↔	S	10.76	E	↔	Q	4.49	J	↔	K	13.52	L	↔	R	4.35	P	↔	X	3.98
A	↔	H	4.61	B	↔	T	7.04	E	↔	R	6.66	J	↔	L	10.36	L	↔	S	2.23	P	↔	Z	2.03
A	↔	J	2.23	B	↔	X	2.48	E	↔	S	5.53	J	↔	M	2.48	L	↔	T	6.39	Q	↔	R	2.16
A	↔	K	13.17	B	↔	Z	7.09	E	↔	T	4.50	J	↔	P	6.04	L	↔	X	8.10	Q	↔	S	3.02
A	↔	L	9.33	C	↔	E	4.19	E	↔	X	4.76	J	↔	Q	11.11	L	↔	Z	4.68	Q	↔	T	6.26
A	↔	M	2.29	C	↔	H	3.37	E	↔	Z	2.69	J	↔	R	13.21	M	↔	P	3.53	Q	↔	X	8.95
A	↔	P	5.78	C	↔	J	4.31	F	↔	K	8.55	J	↔	S	12.49	M	↔	Q	8.65	Q	↔	Z	4.63
A	↔	Q	10.63	C	↔	K	11.40	F	↔	L	3.36	J	↔	T	6.85	M	↔	R	10.74	R	↔	S	3.85
A	↔	R	12.76	C	↔	L	7.54	F	↔	N	3.17	J	↔	X	2.51	M	↔	S	10.02	R	↔	T	8.09
A	↔	S	11.83	C	↔	M	2.510	F	↔	Q	5.85	J	↔	Z	6.88	M	↔	T	4.36	R	↔	X	11.05
A	↔	T	6.54	C	↔	P	4.69	F	↔	R	7.42	K	↔	L	5.34	M	↔	X	0.64	R	↔	Z	6.56
A	↔	X	1.77	C	↔	Q	8.68	F	↔	S	4.02	K	↔	M	11.04	M	↔	Z	4.41	S	↔	T	8.44
A	↔	Z	6.59	C	↔	R	10.84	H	↔	J	4.97	K	↔	P	8.69	N	↔	P	12.93	S	↔	X	10.22
B	↔	C	2.18	C	↔	S	9.70	H	↔	K	8.58	K	↔	Q	2.9	N	↔	Q	9.01	S	↔	Z	6.70
B	↔	E	6.34	C	↔	T	5.48	H	↔	L	5.50	K	↔	R	1.25	N	↔	R	10.59	T	↔	X	4.75
B	↔	H	5.05	C	↔	X	2.02	H	↔	M	2.50	K	↔	S	4.94	N	↔	S	5.89	T	↔	Z	1.74
B	↔	J	3.43	C	↔	Z	5.34	H	↔	P	1.56	K	↔	T	8.06	N	↔	T	12.89	X	↔	Z	4.81
B	↔	K	13.47	E	↔	H	2.47	H	↔	Q	6.15	K	↔	X	11.45	N	↔	X	14.55				
B	↔	L	9.77	E	↔	J	7.11	H	↔	R	8.22	K	↔	Z	6.75	N	↔	Z	11.16				
B	↔	M	3.10	E	↔	K	7.30	H	↔	S	7.61	L	↔	M	7.90	P	↔	Q	6.64				
B	↔	P	6.26	E	↔	L	3.38	H	↔	T	2.24	L	↔	N	6.48	P	↔	R	8.58				

NOTE: *If distance is not shown between two marks, the course most likely crosses land and/or a shoal and should not be used.*