



## **Nelson J. Macan Handicap**

**RARITAN YACHT CLUB, 160 Water St., Perth Amboy, NJ 08861**

### **SAILING INSTRUCTIONS**

#### **1. RULES**

- 1.1. The regatta shall be governed by the rules as defined in The Racing Rules of Sailing (RRS) and the rules of PHRF-MA. Modifications to those rules are as noted in this document.
- 1.2. NOTICES TO COMPETITORS Notices to competitors shall be posted to the Raritan Yacht Club Bulletin Board located on the club patio.

#### **2. CHANGES TO SAILING INSTRUCTIONS**

- 2.1. Any change to the sailing instructions shall be posted before 0900 on the day it shall take effect, except that any change to the schedule of races shall be posted by 2000 on the day before it shall take effect.
- 2.2. Any change to the sailing instructions shall also be announced on VHF Channel 71 prior to the first warning signal.

#### **3. SIGNALS MADE ASHORE**

- 3.1. Signals made ashore shall be displayed from the flagstaff at the Cupola on the RYC dock
- 3.2. When flag AP is displayed ashore, "1 minute" is replaced with "not less than 45 minutes" in the race signal AP
- 3.3. Signals made ashore shall also be announced on Channel 71.

#### **4. SCHEDULE OF RACE**

- 4.1. Racing for all classes is scheduled for Saturday, July 23, 2022
- 4.2. The scheduled time of the warning signal for the first race is 1300 hours. Subsequent races to follow.
- 4.3. It is the intention of the race committee to not begin a starting sequence after 1630 hours.
- 4.4. Pennant "A" displayed, with no sound, while boats are finishing means "No more racing today."

#### **5. CLASS FLAGS & PENNANTS**

- 5.1. The Class signal flags shall be:
  - 5.1.1. Division One – PHRF Spinnaker – Numeral Pennant 1
  - 5.1.2. Division Two – PHRF Non-Spinnaker – Numeral Pennant 2
  - 5.1.3. Additional Divisions maybe be assigned at the time of class splits- Numeral Pennant 3, 4, etc.

## 6. RACING AREAS

6.1. Racing shall take place in the waters of Raritan Bay. The race area shall be east of Great Beds Lighthouse, between Keyport "1" and Sequine Point, Staten Island NY

## 7. MARKS

7.1. The starting and finishing marks shall be orange inflatables.

7.1.1. For the Windward/Leeward Courses:

7.1.1.1. Marks 1 and 2 shall be yellow inflatable balls.

7.1.1.2. New marks or change marks shall be black and yellow inflatable balls.

7.1.1.3. All marks are to be rounded to port

7.1.2. For the Distance Race:

7.1.2.1. The marks shall be government buoys as indicated below

7.1.2.2. The side to which to leave each mark (port/starboard) shall be indicated on the course board.

## 8. THE COURSES.

8.1. Two Windward/Leeward and One Distance Race are scheduled.

8.1.1. Windward/leeward courses will be displayed in number of legs.

8.1.2. The number of legs, approximate heading and bearing to the windward mark

8.1.3. The distance race course shall be displayed at the Race Committee Boat. The numbers and letters referenced can be found in the "**Mark Descriptions & Locations**"- See below.

8.1.4. No later than the warning signal, the race committee boat shall display the course.

8.1.5. All documentation cited here can be found on the RYC Website ([ryc.org](http://ryc.org)) or Click [HERE](#) to view

8.1.6. If signal flag "C" is flown with the class flag (warning signal), the starting classes will sail to the change mark as mark 1.

## 9. THE START

9.1. Races shall be started in accordance with RRS 26 with the warning signal made 5 minutes before the starting signal.

9.2. The starting line shall be between a staff displaying an orange flag on the Race Committee boat at the starboard end and the course side of the port-end starting mark.

9.3. Boats whose warning signal has not been made shall avoid the starting area during the starting sequence for other races.

9.4. A boat that does not start within 4 minutes after her starting signal shall be scored 'Did Not Start' without a hearing. This modifies RRS A4 and A5.

9.5. Per RRS, A boat has not started if any part of a boat's hull, crew or equipment is on the course side of the starting line at the time of her starting signal. The Race Committee shall display Code Flag "X" and may attempt to broadcast her sail number on VHF channel 71. Failure to make a broadcast or to time it accurately shall not be grounds for a request for redress. This changes RRS 62.1(a).

## 10. CHANGES OF COURSE DURING A RACE

10.1. To change the next leg of the course, the race committee shall lay a new mark (or the finishing line) and remove the original mark as soon as practicable. When in a subsequent change a new mark is replaced, it shall be replaced by an original mark.

## 11. Finish

- 11.1. The finishing line will be between a staff displaying a blue flag on the race committee vessel and the course side of the finishing mark.

## 12. PENALTY SYSTEM

- 12.1. The two-turn penalty is in effect.

## 13. TIME LIMITS AND TARGET TIMES

- 13.1. Time limits are 90 minutes for the windward/leeward races and 3 hours for the distance race.
- 13.2. If no boat has passed Mark 1 within 30 minutes, the race shall be abandoned. Failure to meet the target time shall not be grounds for redress. This changes RRS 62.1(a).
- 13.3. Boats failing to finish within 30 minutes after the first boat sails the course and finishes shall be scored Did Not Finish without a hearing. This changes RRS 35, A4 and A5.

## 14. PROTESTS AND REQUESTS FOR REDRESS

- 14.1. No one wants to go to a protest room!!
- 14.2. Given the spirit of this event, and good sportsmanship, protests are highly discouraged! Jeremy would have handled any such disputes in the RYC yard in his OWN way. However, in compliance with the RRS, we include the following verbiage:
  - 14.2.1. Protest forms are available on-line at the US SAILING website. Please print your own. Protests and requests for redress or reopening shall be delivered there within the appropriate time limit.
  - 14.2.2. RRS 61.1(A) is modified to add that a yacht intending to protest MUST notify and receive acknowledgement from the Race Committee at the finish line giving the name and number of the yacht being protested.
  - 14.2.3. The protest time limit is 60 minutes after the last finisher has completed the final race of the day.
  - 14.2.4. Notices shall be posted no later than 30 minutes after the protest time limit to inform competitors of hearings in which they are parties or named as witnesses. Hearing date/time location TBD. Notices of protests by the race committee, technical committee or protest committee shall be posted to inform boats under RRS 61.1(b). Notices shall be posted on the official notice board located on the main deck of Raritan Yacht Club (RYC) Clubhouse
  - 14.2.5. A request for redress based on a protest committee decision shall be delivered no later than 30 minutes after the decision was posted. This changes RRS 62.2.
  - 14.2.6. If the race committee posts a list of boats scored OCS, ZFP, UFD or BFD on the official notice board before the protest time limit, a request for redress based on such a posted score shall be made no later than 30 minutes after the protest time limit. This changes rule 62.2.

## 15. SCORING

- 15.1. The scoring system is as follows: Appendix A4, low point system .
- 15.2. One race is required to be completed to constitute a series.
- 15.3. There shall be no throw-outs, all races shall be scored, this changes A2.

## 16. SAFETY REGULATIONS

- 16.1. A boat that retires from a race shall notify the RC as soon as possible either by hail or VHF channel 71.

16.2. A boat shall 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.

16.3. The RC or Protest Committee may protest a boat based on information received from any source. The protest time limit does not apply. This changes RRS 60.2, 60.3, and RRS 61.3.

**17. SUPPORT BOATS**

17.1. Support/Coach boats are prohibited from the race course from the first warning signal until completion of racing.

**18. TRASH DISPOSAL**

18.1. This is a Clean Race; all competitors are strongly encouraged to use multi-use water bottles instead of disposable water bottles, and to recycle whenever possible. A competitor shall not intentionally put trash in the water.

**19. HAUL-OUT RESTRICTIONS**

19.1. Boats shall not be hauled out during the regatta except with permission of the race committee.

**20. DIVING EQUIPMENT AND PLASTIC POOLS**

20.1. Underwater breathing apparatus and plastic pools or their equivalent shall not be used around keelboats between the warning signal of the first race and the end of the regatta.

**21. RADIO COMMUNICATION**

21.1. VHF Channel 71 shall be used for Race Committee communication.

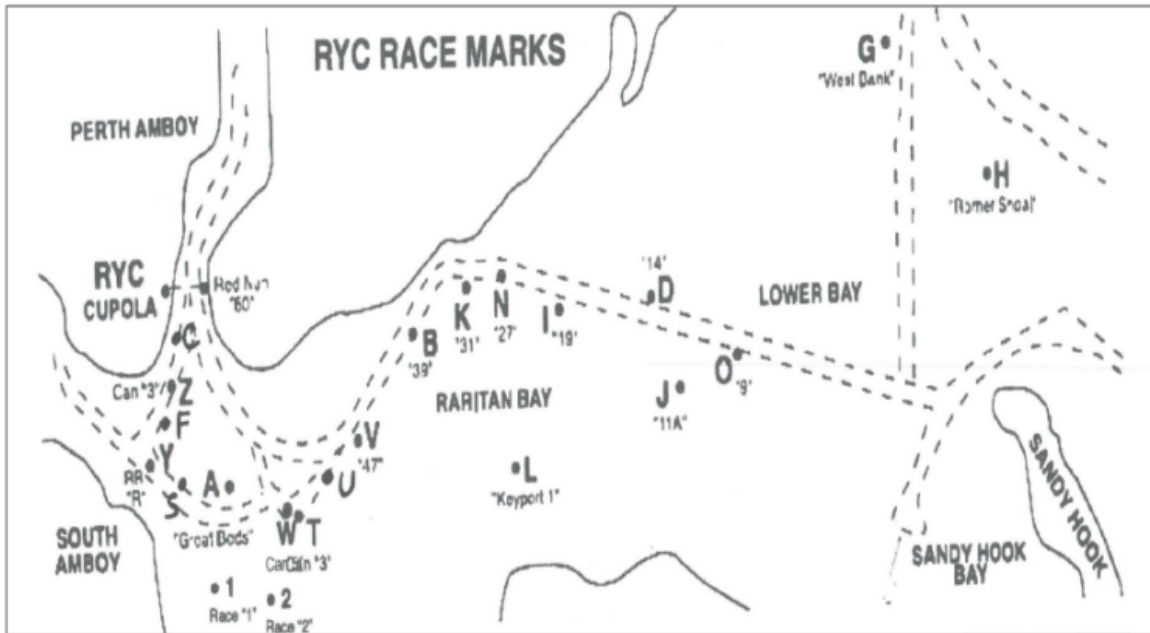
21.2. Except in an emergency, a boat that is racing shall not make voice or data transmissions and shall not receive voice or data communication that is not available to all boats.

**22. PRIZES**

22.1. Prizes shall be awarded at the post race party

**23. DISCLAIMER OF LIABILITY**

23.1. Sailing is an activity that has an inherent risk of damage and injury. Competitors in this event are participating entirely at their own risk. See RRS 4, Decision to Race. The race organizers (organizing authority, race committee, protest committee, host club, sponsors, or any other organization or official) shall not be responsible for damage to any boat or other property or the injury to any competitor, including death, sustained as a result of participation in this event. By participating in this event, each competitor agrees to release the race organizers from any and all liability associated with such competitor's participation in this event to the fullest extent permitted by law.



**CAUTION: NOT FOR NAVIGATION.** USERS OF THE INFORMATION SHOWN IN THE FIGURE AND TABLE ARE URGED TO VERIFY THE DATA CONTAINED HEREIN AS MARKS MAY SHIFT OR BE RELOCATED. RYC, RACE COMMITTEE AND THE PERSONS WHO HAVE PREPARED THIS DATA ASSUME NO RESPONSIBILITY FOR ITS USE.

Mark Descriptions & Locations									
MARK	DESCRIPTION	LOCATION	LATITUDE	LONGITUDE	MARK	DESCRIPTION	LOCATION	LATITUDE	LONGITUDE
"A"	FL R 4 sec 61 ft	Great Beds Light House	40 29.20	74 15.18	"N"	G "27" Qk FL	Raritan Bay West Reach	40 30.38	74 11.08
"B"	G "39" Unlighted can	Red Bank Reach	40 30.08	74 12.83	"O"	G "9" FL G 4 sec	Raritan Bay East Reach	40 29.34	74 06.39
"C"	NUN "2"	Raritan River Cutoff	40 30.03	74 15.75	"1"	W/O "Race Course 1"	.6 nm ENE Cheesapeake Cr.	40 28.50	74 15.06
"D"	R "14" FL R 4 sec	Raritan Bay West Reach	40 29.81	74 08.01	"2"	W/O "Race Course 2"	.9 nm E Cheesapeake Cr.	40 28.21	74 14.44
"E"	OLD ORCHARD SHL	40 30.73	74 05.93		"S"	Light 4	Raritan River	40 29.13	74 15.60
"F"	C "5"	Raritan River Cutoff	40 29.61	74 15.96	"T"	C "3"	Ward Pt. Secondary Channel	40 29.04	74 14.35
"G"	ISO 6 sec 69 ft	West Bank Light House	40 32.27	74 02.60	"S/F"	Start/Finish	Various Mobile Mark	N/A	N/A
"H"	FL(2) 15 sec 54 ft	Romer Shoal Light House	40 30.76	74 00.83	"U"	C "1"	Ward Pt. Secondary Channel	40 29.21	74 14.05
"I"	G "19" FL R 4 sec	Raritan Bay West Reach	40 30.07	74 09.73	"V"	G "47" FL G 4 sec	Red Bank Reach	40 29.35	74 13.82
"J"	G "11A" FL G 4 sec	1.6 nm ENE Point Comfort	40 29.01	74 07.57	"W"	C "5"	Ward Pt Secondary Channel	40 29.07	74 14.73
"K"	G "31" FL G 2 sec	Seguine Point Bend	40 30.44	74 11.75	"Y"	RG "R" FL (2+1)	South Amboy Reach	40 29.40	74 16.18
"L"	G "1" FL G 2.5 sec	Keyport Harbor entrance	40 28.44	74 11.03	"Z"	C "3"	Raritan River Cutoff	40 29.82	74 15.80
"M"	Mobile Mark	Various	N/A	N/A					

NOTE: During certain moon tides and at other conditions the area between Marks "L" and "J" as well as the area surrounding Mark "Y" may not be deep enough for certain yachts. All skippers and navigators should consult the latest charts to determine if it is appropriate and safe to navigate in or through these areas. NOTE: Mark "C" Nun 2 Raritan River Cutoff can only be used as a finish mark left to port.

### Magnetic Bearing & Distance between RYC Race Marks

		TO																							
FROM	Mark	A	B	C	D	E	F	G	H	I	J	K	L	N	O	1	2	S	T	U	V	W	Y	Z	RYC
		A	x	x	x	097 5.64	085 7.20	318 0.70	x	095 11.18	092 4.34	105 5.82	x	117 3.44	x	102 6.69	186 0.71	338 1.25	270 0.30	118 0.68	102 0.90	x	124 0.37	298 0.76	336 0.78
	B	x	x	x	107 3.69	090 5.29	x	087 8.12	099 9.17	103 2.36	118 4.17	079 0.87	153 2.14	090 1.34	111 4.96	240 2.31	227 2.24	x	241 1.56	x	239 0.92	x	x	x	x
	C	x	x	x	x	x	214 0.40	x	x	x	x	x	x	x	x	240 2.31	227 2.24	x	241 1.56	x	x	x	x	x	x
	D	277 5.64	287 3.69	x	x	067 1.83	x	072 4.82	093 5.54	295 1.38	171 0.88	295 2.92	252 2.65	297 2.40	124 1.32	274 4.87	265 5.19	276 5.80	274 4.84	275 4.60	277 4.34	275 5.18	x	x	x
	E	265 7.20	270 5.29	x	247 1.83	x	x	097 2.96	097 3.88	265 2.96	224 2.12	274 4.74	247 4.50	273 3.93	194 1.43	260 7.29	257 6.95	x	263 6.62	264 6.36	264 6.89	262 6.89	x	x	x
	F	138 0.70	x	034 0.40	x	x	x	x	x	x	x	x	x	120 3.90	x	161 1.30	154 1.80	163 0.60	128 1.40	x	x	133 1.10	228 0.30	047 0.20	033 0.70
	G	x	267 8.12	x	252 4.82	247 2.96	x	152 2.00	261 5.92	242 4.99	268 7.22	253 7.47	267 6.74	238 4.14	261 10.24	259 9.95	x	263 9.50	264 9.30	264 8.94	264 9.80	x	x	x	x
	H	275 11.18	279 9.17	x	273 5.54	277 3.88	x	332 2.00	x	278 6.85	264 5.40	281 8.32	266 8.10	280 7.80	265 4.47	271 11.10	369 10.74	275 11.40	274 10.40	274 10.20	275 9.89	274 10.74	x	x	x
	I	272 4.34	283 2.36	x	115 1.38	085 2.96	x	081 5.92	098 6.85	x	137 2.02	296 1.54	224 1.91	299 1.02	119 2.69	262 4.33	256 4.05	x	267 3.62	268 3.40	270 3.05	268 3.90	x	x	x
	J	285 5.82	298 4.17	x	351 0.88	044 2.12	x	062 4.99	084 5.40	317 2.02	307 3.52	271 2.69	310 3.03	083 0.94	283 5.16	275 5.36	284 6.10	284 5.16	285 5.00	287 4.71	284 5.40	287 6.56	284 6.56	x	x
	K	x	259 0.87	x	115 2.92	094 4.43	x	088 7.22	101 8.32	116 1.54	127 3.52	x	177 2.07	109 0.52	118 4.23	246 3.18	236 3.05	x	247 2.39	248 2.10	248 1.79	x	x	x	
	L	297 3.44	333 2.14	x	072 2.65	067 4.50	300 3.90	072 7.47	086 8.10	044 1.91	091 2.69	357 2.07	x	011 1.94	089 3.63	284 3.10	278 2.68	294 3.60	302 2.44	301 2.40	309 2.27	295 2.91	297 4.03	x	x
	N	x	270 1.34	x	117 2.40	093 3.93	x	087 6.74	100 7.80	119 1.02	130 3.03	289 0.52	191 1.94	x	119 3.72	251 3.58	243 3.39	x	254 2.80	256 2.60	258 2.21	x	x	x	
	O	282 6.69	291 4.96	x	304 1.32	014 1.43	x	058 4.14	085 4.47	299 2.69	263 0.94	298 4.23	269 3.63	299 3.72	280 6.05	373 6.28	281 7.00	280 6.05	2852 5.80	284 5.57	281 6.36	x	x	x	
	1	006 0.71	060 2.31	060 2.31	094 4.87	080 7.29	341 1.30	081 10.24	091 11.10	082 4.33	103 5.16	066 3.18	104 3.10	071 3.58	100 6.05	136 0.51	340 0.80	060 0.78	060 1.00	061 1.39	038 0.62	331 1.23	351 1.44	x	
	2	158 1.25	047 2.24	047 2.24	085 5.19	077 6.95	334 1.80	079 9.95	089 10.74	076 4.05	095 5.36	056 3.05	098 2.68	063 3.39	093 6.28	316 0.51	330 1.20	330 0.83	023 1.00	032 1.35	040 0.86	001 1.73	326 1.89	342 1.89	x
	S	090 0.30	x	x	096 5.80	x	343 0.60	x	095 11.40	x	104 6.10	x	114 3.60	x	101 7.00	160 0.80	150 1.20	x	109 1.00	099 1.20	x	108 0.70	316 0.50	001 0.70	x
	T	298 0.68	061 1.56	061 1.56	094 4.84	083 6.62	308 1.40	084 9.50	094 10.40	087 3.62	104 5.16	067 2.39	122 2.44	074 2.80	100 6.05	240 0.78	203 0.83	289 1.00	x	062 0.30	064 0.62	288 0.31	298 1.44	318 1.36	x
	U	282 0.90	x	x	095 4.60	084 6.36	x	083 9.30	094 10.20	088 3.40	105 5.00	068 2.10	121 2.40	076 2.60	102 5.80	240 1.00	212 1.00	279 1.20	030 0.30	242 0.30	064 0.35	267 1.60	290 1.60	x	x
	V	x	059 0.92	x	097 4.34	084 6.89	x	085 8.94	095 9.89	090 3.05	107 4.71	068 1.79	129 2.27	078 2.21	104 5.57	241 1.39	220 1.35	x	244 0.62	244 0.35	258 0.90	x	x	x	
	W	304 0.37	x	x	095 5.18	082 6.89	326 1.10	084 9.80	094 10.74	088 3.90	104 5.40	x	115 2.91	x	101 6.36	218 0.62	181 0.86	288 0.70	108 0.31	087 0.50	078 0.90	078 1.14	300 1.14	326 1.11	x
	Y	118 0.76	x	x	x	x	048 0.30	x	x	x	107 6.56	x	117 4.03	x	x	151 1.23	146 1.73	136 0.50	118 1.44	110 1.60	x	120 1.14	048 0.51	039 0.83	
	Z	156 0.78	x	x	x	x	227 0.20	x	x	x	x	x	x	x	x	170 1.44	161 1.89	181 0.70	138 1.36	x	x	146 1.11	228 0.51	025 0.35	
	RYC	175 1.02	x	x	x	x	213 0.70	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	219 0.83	205 0.35	

Note: Note: x in the table indicates that TO/FROM combination should not be used  
Rounding another mark between them may be needed