

**2009 Mayor's Cup  
At the Red Grant Regatta  
Perth Amboy, NJ July 18, 2009**

**SAILING INSTRUCTIONS**

**1 RULES**

The regatta will be governed by the rules as defined in *The Racing Rules of Sailing*.

**2 ENTRIES**

Competitors may enter by delivering a completed entry form and paying the \$100 entry fee to the Red Grant Race Committee before 10:00am on July 18, 2009.

A complimentary guest PHRF rating will be issued to all boats racing in the Mayor's Cup Cruiser Race. When completing the registration form, please include all info requested (largest jib, type of propeller, jib attached to roller furling, etc).

**3 NOTICES TO COMPETITORS**

Please monitor VHF 80 for announcements.

Notices to competitors will be posted on the official notice board located on the club bulletin board on the main deck outside the club house.

**4 SIGNALS MADE ASHORE**

Signals made ashore will be displayed from the flagpole located adjacent to the RYC Cupola. If a postponement is signaled ashore, the warning signal will be made not less than one hour after flag AP is lowered.

**5 SCHEDULE and CLASS FLAG**

A competitors' meeting will be held at 10:00am on July 18, 2009 in the Grill Room on the main level of the RYC Clubhouse. The warning signal for the first race will be 12:00pm. There is no class flag for the Mayor's Cup Race.

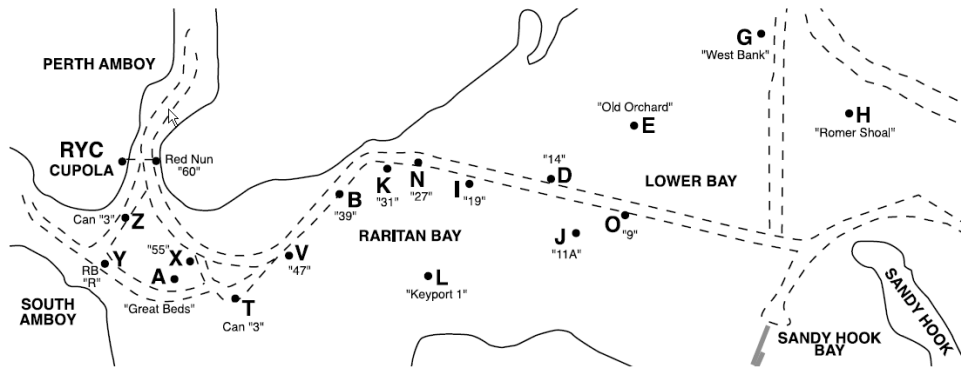
**6 RACING AREA**

The racing area will be in Raritan Bay in the area generally between Perth Amboy, NJ, Great Kills, NY, and Keyport, NJ.

All competitors are reminded that the area identified as Ward Point Bend (EAST) on Chart 12331 (shown in chartlet below and to the right) is out of bounds for participants in this event, and any boat sailing in this restricted area will be scored as DQ.

## 7 COURSE and MARKS

The course will be defined using standard RYC racing marks and waypoints shown in the diagram below. The course will be announced at the competitor's meeting, and posted on the bulletin board.



Long Course: **START - A<sub>(PORT)</sub> - T<sub>(PORT)</sub> - L<sub>(PORT)</sub> - I<sub>(PORT)</sub> - T<sub>(STARBOARD)</sub> - A<sub>(STARBOARD)</sub> - Z(STARBOARD)- RYC FINISH**  
**(11.24 nautical miles)**

Short Course: **START - A<sub>(PORT)</sub> - T<sub>(PORT)</sub> - A<sub>(STARBOARD)</sub> - Z(STARBOARD) - RYC FINISH**  
**(3.08 nautical miles)**

## 8 STARTING AND FINISHING LINE; STARTING SYSTEM

The starting line will be between a vessel flying the Race Committee Flag and an Orange Flag and Mark Z as shown in §7. The Race Committee Boat may have an offset float. The offset float is part of the RC boat and must be avoided. The Sound Signal Starting System in Appendix S of the racing rules will be used.

| Time Before Start         | Flags | Sound   |
|---------------------------|-------|---------|
| 5:00 - Warning Signal     |       | 1 Sound |
| 4:00 - Preparatory Signal |       | 1 Sound |
| 1:00 - 1 Minute           |       | 1 Sound |
| 0:00 - Start              |       | 1 Sound |

All boats will start together using the sequence highlighted above. The start will be located between an orange flag on the race committee boat and the nearest mark. The start will be in the vicinity of mark Z near the RYC fleet.

Boats "over early" will be signaled with the individual recall flag –



It is the skipper's responsibility to identify if their boat was over early, however, as a courtesy, the race committee will attempt to hail sail numbers of the boats that started prematurely on VHF 80. The absence of the courtesy hail is not grounds for redress. Boats over early will need to turn back, and once entirely behind the starting line, start again. Once all boats that started prematurely, restart, the individual recall flag will be lowered.

The finish line will be between a flag on the cupola at the end of the RYC dock and the red government nun (# 60) off Staten Island. When finishing, boats must cross the line on the Perth Amboy side of the channel. An imaginary line is drawn halfway between the RYC fleet and mark 60. Do not cross the finish line east of that imaginary line.

## **9 TIME LIMIT**

The time limit for each race will be four (4) hours for the first boat to finish.

## **10 PROTESTS**

Protests shall be delivered to the Race Committee within one hour after the race committee departs the Cupola as indicated by the lowering of the Race Committee flag from the pole on the cupola deck. Hearings will be held as soon as possible in the RYC Hearing Room on the 3d deck of the main house.

## **11 SCORING**

One race is scheduled. One race constitutes a series.

**MARK DESCRIPTIONS & LOCATIONS**

| MARK  | DESCRIPTION          | LOCATION                             | LATITUDE | LONGITUDE |
|-------|----------------------|--------------------------------------|----------|-----------|
| "A"   | Fl R 4 sec 61 ft     | Great Beds Light House               | 40 29.20 | 74 15.18  |
| "B"   | G "39" Unlighted Can | Red Bank Reach                       | 40 30.08 | 74 12.83  |
| "D"   | R "14" Fl R 4 sec    | Raritan Bay West Reach               | 40 29.81 | 74 08.01  |
| "E"   | Fl 6 sec 51 ft       | Old Orchard Light House              | 40 30.72 | 74 05.88  |
| "G"   | ISO 6 sec 69 ft      | West Bank Light House                | 40 32.27 | 74 02.60  |
| "H"   | Fl (2) 15 sec 54 ft  | Romer Shoal Light House              | 40 30.76 | 74 00.83  |
| "I"   | G "19" Fl 4 sec      | Raritan Bay West Reach               | 40 30.07 | 74 09.73  |
| "J"   | G "11A" Fl G 4 sec   | 1.6 nm ENE Point Comfort             | 40 29.01 | 74 07.57  |
| "K"   | G "31" Fl G 2 sec    | Seguine Point Bend                   | 40 30.44 | 74 11.75  |
| "L"   | G "1" Fl G 2.5 sec   | Keypoint                             | 40 28.44 | 74 11.03  |
| "M"   | Mobile Mark          | Various                              | Various  | Various   |
| "N"   | G "27" Ck Fl         | Raritan Bay West Reach               | 40 30.38 | 74 11.08  |
| "O"   | G "9" Fl G 4 sec     | Raritan Bay East Reach               | 40 29.34 | 74 06.39  |
| "T"   | C "3"                | Ward Point Secondary Channel         | 40 29.04 | 74 14.35  |
| "V"   | G "47" Fl G 4 sec    | Red Bank Reach                       | 40 29.35 | 74 13.82  |
| "X"   | G "55" Fl G 2.5 sec  | Ward Point Bend                      | 40 29.39 | 74 14.97  |
| "Y"   | RB "R" Ck Fl         | Raritan River Cutoff                 | 40 29.40 | 74 16.18  |
| "Z"   | C "3"                | Raritan River Cutoff                 | 40 29.82 | 74 15.80  |
| "RYC" | Start/Finish         | Middle Point between Cupola & R "60" | 40 30.17 | 74 15.61  |

NOTE: Reference is made to the General Sailing Instructions for the location of the start and finish lines at "RYC". Reference is made to the General Sailing Instructions for marks which must be passed on the channel side. These are government marks 42, 52, 54, 56 and 58 off of Ward Point.

NOTE: During certain moon tides and at other times the area between Marks "L" and "J" may not be deep enough for certain yachts. All skippers and navigators should consult their charts to determine whether it is appropriate and safe to navigate their yacht in or through this area.

CAUTION: USERS OF THE INFORMATION SHOWN ABOVE ARE URGED TO VERIFY THE DATA CONTAINED HEREIN. MARKS MAY SHIFT OR BE RELOCATED. FOR INSTANCE, RYC, THE RACE COMMITTEE AND THE PERSONS WHO HAVE PREPARED THIS DATA ASSUME NO RESPONSIBILITY FOR ITS USE.

**RYC Racing - Course/Distance Table**

| MARK | A           | B          | D          | E          | G           | H           | I          | J          | K          | L          | N          | O          | R           | T           | V          | X          | Y          | Z          | RYC        |
|------|-------------|------------|------------|------------|-------------|-------------|------------|------------|------------|------------|------------|------------|-------------|-------------|------------|------------|------------|------------|------------|
| A    |             |            | 097<br>5.5 | 091<br>7.2 | 085<br>10   | 095<br>11   | 091<br>4.2 | 105<br>5.8 |            | 117<br>3.3 |            | 100<br>6.8 | 270<br>0.36 | 117<br>0.65 | 095<br>1.1 | 049<br>0.2 | 298<br>0.8 | 336<br>0.8 | 355<br>1   |
| B    |             |            | 107<br>5.3 | 096<br>5.3 | 087<br>8.08 | 099<br>9.15 | 103<br>2.4 | 118<br>4.1 | 079<br>0.9 | 153<br>2.1 | 090<br>1.3 | 111<br>4.4 |             | 241<br>1.56 | 239<br>1.1 |            |            |            |            |
| D    | 277<br>5.49 | 287<br>3.7 |            | 074<br>1.9 | 072<br>4.79 | 093<br>5.54 | 295<br>1.3 | 171<br>0.9 | 295<br>3   | 252<br>2.7 | 297<br>2.4 | 128<br>0.7 | 274<br>5.85 | 274<br>4.89 | 277<br>4.5 |            |            |            |            |
| E    | 271<br>7.23 | 276<br>5.3 | 254<br>1.9 |            | 072<br>2.94 | 103<br>3.84 | 271<br>3   | 230<br>2.1 | 280<br>4.5 | 253<br>4.5 | 279<br>4   | 232<br>1.6 | 270<br>7.6  | 269<br>6.66 | 270<br>6.2 |            |            |            |            |
| G    | 265<br>10   | 267<br>8.1 | 252<br>4.8 | 252<br>2.9 |             | 151<br>2.02 | 261<br>5.9 | 242<br>5   | 268<br>7.2 | 267<br>7.5 | 244<br>6.7 | 244<br>4.4 | 266<br>10.5 | 263<br>9.5  | 264<br>9   |            |            |            |            |
| H    | 275<br>11   | 279<br>9.2 | 273<br>5.5 | 283<br>3.8 | 331<br>2.02 |             | 277<br>6.8 | 264<br>5.4 | 281<br>8.3 | 266<br>8.1 | 280<br>7.8 | 268<br>5   | 274<br>11.4 | 274<br>10.4 | 275<br>10  |            |            |            |            |
| I    | 271<br>4.23 | 283<br>2.4 | 115<br>1.3 | 091<br>3   | 081<br>5.85 | 097<br>6.8  |            | 137<br>2   | 296<br>1.6 | 224<br>1.9 | 299<br>1.1 | 119<br>2   | 272<br>4.59 | 267<br>3.66 | 270<br>3.2 |            |            |            |            |
| J    | 285<br>5.79 | 298<br>4.1 | 351<br>0.9 | 050<br>2.1 | 062<br>4.99 | 084<br>5.43 | 317<br>2   |            | 307<br>3.5 | 271<br>2.7 | 310<br>3   | 045<br>0.6 | 284<br>6.15 | 284<br>5.16 | 287<br>4.8 |            | 287<br>6.6 |            |            |
| K    |             | 259<br>0.9 | 115<br>3   | 100<br>4.5 | 088<br>7.22 | 101<br>8.34 | 116<br>1.6 | 127<br>3.5 |            | 177<br>2.1 | 109<br>0.5 | 118<br>3.6 |             | 247<br>2.39 | 248<br>1.9 |            |            |            |            |
| L    | 297<br>3.25 | 333<br>2.1 | 072<br>2.7 | 073<br>4.5 | 072<br>7.47 | 086<br>8.1  | 044<br>1.9 | 091<br>2.7 | 357<br>2.1 |            | 011<br>1.9 | 083<br>3.1 | 295<br>3.61 | 296<br>2.6  | 306<br>2.3 | 300<br>3.2 | 297<br>4   | 304<br>3.9 |            |
| N    |             | 270<br>1.3 | 117<br>2.4 | 099<br>4   | 087<br>6.74 | 100<br>7.83 | 119<br>1.1 | 130<br>3   | 289<br>0.5 | 191<br>1.9 |            | 119<br>3.1 |             | 254<br>2.8  | 256<br>2.3 |            |            |            |            |
| O    | 280<br>6.1  | 291<br>4.4 | 308<br>0.7 | 052<br>1.6 | 064<br>4.44 | 088<br>4.98 | 299<br>2   | 225<br>0.6 | 298<br>3.6 | 263<br>3.1 | 299<br>3.1 |            | 281<br>7.19 | 278<br>5.48 | 281<br>5.1 |            |            |            |            |
| R    | 090<br>0.36 |            | 094<br>5.9 | 090<br>7.6 | 086<br>10.5 | 094<br>11.4 | 092<br>4.6 | 104<br>6.2 |            | 115<br>3.6 |            | 101<br>7.2 |             | 109<br>1    | 092<br>1.5 | 075<br>0.6 | 315<br>0.5 | 002<br>0.7 | 014<br>1   |
| T    | 297<br>0.65 | 061<br>1.6 | 094<br>4.9 | 089<br>6.7 | 083<br>9.5  | 093<br>10.4 | 087<br>3.7 | 104<br>5.2 | 067<br>2.4 | 116<br>2.6 | 074<br>2.8 | 098<br>5.5 | 289<br>1    |             | 066<br>0.6 | 318<br>0.6 | 298<br>1.4 | 318<br>1.4 |            |
| V    | 275<br>1.05 | 059<br>1.1 | 097<br>4.5 | 090<br>6.2 | 084<br>9.01 | 095<br>9.98 | 090<br>3.2 | 107<br>4.8 | 068<br>1.9 | 076<br>2.3 | 076<br>2.3 | 101<br>5.1 | 272<br>1.48 | 246<br>0.61 |            |            |            |            |            |
| X    | 229<br>0.23 |            |            |            |             |             |            |            |            | 120<br>3.2 |            |            | 255<br>0.55 | 138<br>0.61 |            |            | 284<br>0.9 | 318<br>0.8 | 343<br>0.9 |
| Y    | 118<br>0.79 |            |            |            |             |             |            | 107<br>6.6 |            | 117<br>4   |            |            | 135<br>0.5  | 118<br>1.44 |            | 104<br>0.9 |            | 048<br>0.5 | 044<br>0.9 |
| Z    | 156<br>0.78 |            |            |            |             |             |            |            |            | 124<br>3.9 |            |            | 182<br>0.68 | 138<br>1.35 |            | 138<br>0.8 | 228<br>0.5 |            | 040<br>0.4 |
| RYC  | 175<br>1.02 |            |            |            |             |             |            |            |            |            |            |            | 194<br>1.04 |             |            | 163<br>0.9 | 224<br>0.9 | 220<br>0.4 |            |