

NBC Cruising Fleet Scoring – 2019

We are introducing changes to the scoring of our various race series for the 2019 NBC Cruising Fleet racing season. Here are the highlights:

- **Wednesday Night** series largely unchanged from 2018: low-scoring system with a number of throw outs. Fleet awards in two divisions (Spinnaker and Non-spinnaker), all fleet members eligible (including non-member fleet friends).
 - **Wednesday Night Races: May 8, 2019 – September 4, 2019.**
All Wednesday Night races will be scored, including pursuit races.
- **Sunday/Regatta** series will now count performance in all NBC Sunday races and NBC fleet and club regattas PLUS performance in any other HRYRA races. The series will be scored using a high-scoring system (Cox-Sprague) with adjustments to reward participation. Fleet awards in two divisions (Spinnaker and Non-spinnaker), all fleet members eligible (including non-club member fleet friends).
 - **Sunday Races: May 5, 2019 – October 13, 2019.**
 - **NBC Regattas: Memorial Day, Guy Moulton, NBC Fall Regatta, Hudson River Long Distance Race (HRYRA), Last Chance Regatta (HRYRA).**
 - **HRYRA non-NBC Regattas: Maritime Cup (Kingston), Chelsea Open, Hudson Cove (Haverstraw), Women's Challenge Cup, 134th Shattemuc Annual, Sutherland Cup (Minescenoongo).**
- **Overall Cruising Fleet Champion** will count all races from the two series above (Wednesday and Sunday/Regatta series). The series will be scored using a high scoring system (Cox-Sprague) with adjustments to reward participation. This series will combine performance of a boat in all races raced (both Spinnaker and Non-Spinnaker) resulting in a single ranking of all NBC members who participated in the 2019 NBC Cruising Fleet Racing Season. Club award, only NBC members eligible.

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Race Scoring – All Series

The following shall apply for purposes of scoring all races that occur at Nyack Boat Club:

We will use the traditional low point scoring system for a long series as outlined and discussed in Appendix A of the *USSA Racing Rules of Scoring*, changing rule A9 and rule A4.2 with the following exceptions:

1. For a **race to count**, at least two boats must compete in a division, and at least one boat racing in that division must finish the race.
2. **A boat is considered to be competing in a race when she registers with the Race Committee while underway, not when she crosses the starting line.**
All boats intending to race shall check in with the Race Committee before their race by VHF radio or sailing by and hailing the Race Committee, and receive verbal confirmation of registration.
3. **Racing Divisions – Spinnaker and Non-spinnaker**
If the Notice of Race and Sailing Instructions provide for multiple divisions, then each boat racing shall identify its racing division at the time of registration. For any given race, for purposes of the series scoring, each division will be classified as either a) Spinnaker or b) Non-spinnaker.
4. **Official PHRF Ratings**
Any boat may race in Nyack sanctioned races, receive an elapsed finishing time, and be scored if she 1) has a valid 2019 PHRF certificate issued by HRYRA, 2) has paid her 2019 Cruising Fleet dues either as an NBC member or as a Cruising Fleet Friend. **Any boat that does not meet these criteria will be asked to race with the Open Fleet, and such races will not be counted for any 2019 Cruising Fleet Series.**
5. **Skipper**
A boat is scored, not the skipper. Hence, a boat may have a different skipper for any given race and still be scored.
6. **Starting Sequence**
The starting sequence of any series race will be determined by the Race Committee, and will be clearly spelled out in the Sailing Instructions.
7. **Corrected Time Formula**
Finishing places for Nyack races will be based on a time-on-time correction formula.

The equation used for corrected time on the race course is:
Corrected time = Elapsed time x (650/(550 + PHRF rating)).

For all HRYRA events, if HRYRA uses a different formula, then that formula shall apply for those races.
8. **Finishing Place**
Final race results (finishing place) issued by the race event organizer shall be used in series scoring.
9. **Duty Races: Race Committee/Race Patrol Duty**
Those skippers assigned to NBC Race Committee or NBC Race Patrol duty for a specific race, even as part of a work service obligation, who are unable to race their boat because of that assignment, will have that race races recognized as a Duty Race.

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Wednesday Night Series Scoring

The following shall apply to the scoring of the Wednesday Night Race Series Only

1. Low Scoring System

We will use the low point scoring system for a long series as outlined and discussed in Appendix A of the *USSA Racing Rules of Scoring*, changing rule A9 and rule A4.2 as follows below.

2. Score by Division

Series results will be scored in two divisions: Spinnaker and Non-spinnaker.

3. Number of Throw-out races per series – 20%

Throw out races will be calculated separately for each division as follows.

One (1) to five (5) races completed will result in one throw out race.

Six (6) to ten (10) races completed will result in two throw out races.

Eleven (11) to fifteen (15) races completed will result in three throw out races.

Sixteen (16) to twenty (20) races completed will result in four throw out races.

Etc.

4. Definitions for Scoring Purposes

DNS = Did Not Start = number of **starters** + 1

DNF = Did Not Finish = number of **starters** +1 if a boat withdraws from the race for any reason.

TLE = Time Limit Expired = number of starters + 0 if the time limit elapses per the Sailing Instructions (including the 45 minute rule).

DNC = Did Not Compete = number of **starters** + 3, not to exceed the number of registrants + 1.

DSQ = Disqualified = number of **starters** + 1. A DSQ will not count as a throw-out race. If a boat withdraws without notifying the Race Committee, she will receive a DSQ.

5. Duty Races

For any Duty Race that would have been counted in the series, A boat will receive its average racing score for all other series races (before throw outs) for any such Duty Race. Duty Races may not represent more than 10% (rounded down to the next integer) of the races used to calculate a boat's final series score. If this limit applies, then the Duty Races earliest in the season will be counted as DNS, until the number of Duty Races is below the 10% limit. Those not honoring their assigned Race Committee or Race Patrol assignment will be given a DSQ for the race in question.

NBC Cruising Fleet Scoring – 2019

Sunday/Regatta Series Scoring

The following shall apply to the scoring of the Sunday/Regatta Series Only

1. High Scoring System

We will use a high scoring system for a long series. This modifies the following provisions of Appendix A *USSA Racing Rules of Scoring*: rule A4, A8 and rule A9.

2. Races to Count and Minimum Required.

The series will consist of the all 2019 Sunday Races and 2019 Regattas held at the Nyack Boat Club and all other 2019 HRYRA racing events (specifically including the Women's Challenge and the Hudson River Race). To qualify for inclusion in the final series results a boat shall compete in at least 10 of the races completed in the Spinnaker division, or in at least 10 of the races completed in the Non-spinnaker division. A boat may qualify in both divisions.

3. Race Scores

Finishing places based on corrected time will be determined for each race based on all boats competing. A boat's score for a race will be determined based on the Cox-Sprague table included as an appendix to this document.

If two or more boats finish in a dead heat (tie), they shall each receive the number of points for that place and the next boat shall receive the number of points for the position equal to the number of boats that beat her plus one.

Boats that do not compete in a race (DNC) will not be scored.

4. Series Scores

Series scores will be calculated by racing division: Spinnaker and Non-spinnaker. A boat may have a series score in both divisions.

The series score for each boat will be a percentage rounded to two decimal places as follows: multiply by 100 the quotient (fraction) where the dividend (numerator) is the sum of her race scores, and the divisor (denominator) the number 40 plus the sum of the points she would have scored if she had placed first in every race in which she competed.

The qualified boat with the highest series score is the winner, and others are ranked accordingly.

5. Series Ties

In the event of a tie, the tie shall be broken in favor of the boat that has beaten the other the greater number of times. If a tie still exists, the tie shall be broken in favor of the boat with the greater number of 1st places, etc.

6. Duty Races

For a boat's Duty Race that would have been counted in the series, the Duty Race will not be reflected in a boat's series score. However any such Duty Race will be counted for purposes of meeting the minimum number of races to be included in the series. A Duty Race will be counted only once to meet the minimum for the Spinnaker division or the Non-spinnaker division, but not both.

NBC Cruising Fleet Scoring – 2019

NBC Cruising Fleet Champion Scoring

The following shall apply to the scoring of the NBC Cruising Fleet Champion Only

1. High Scoring System

We will use a high scoring system for a long series. This modifies the following provisions of Appendix A *USSA Racing Rules of Scoring*: rule A4, A8 and rule A9.

2. Races to Count and Minimum Required.

The series will consist of the all races counted for the 2019 Wednesday Night Series and for the 2019 Sunday/Regatta Series. To qualify for inclusion in the Champion results a boat shall start (i.e., cross the starting line) in at least 20 races in any division.

3. Race Scores

Finishing places based on corrected time will be determined for each race, based on all boats competing (not just series entrants). A boat's score for a race will be determined based on the Cox-Sprague table included as an appendix to this document.

If two or more boats finish in a dead heat (tie), they shall each receive the number of points for that place and the next boat shall receive the number of points for the position equal to the number of boats that beat her plus one.

Boats that do not compete in a race (DNC) will not be scored.

4. Series Scores

A single series score will be calculated for each qualifying boat based on races in any division.

The series score for each boat will be a percentage rounded to two decimal places as follows: multiply by 100 the quotient (fraction) where the dividend (numerator) is the sum of her race scores, and the divisor (denominator) the number 50 plus the sum of the points she would have scored if she had placed first in every race in which she competed.

The qualified boat with the highest series score is the winner, and others are ranked accordingly.

5. Series Ties

In the event of a tie, the tie shall be broken in favor of the yacht that whose sum of its top 5 scores is greatest. If a tie still exists, then the greatest sum of the top 10 scores. If a tie still exists, the tie shall be broken in favor of the yacht with the greater number of 1st places, etc.

6. Duty Races

A Duty Race will not be reflected in a boat's series score, however a Duty Race will be counted for purposes of meeting the minimum number of races to be included in the series.

In each race the number of starters will determine the column to be used in the table below, and each boat will be credited with the number of points indicated for her finishing place.

A boat which competes in a race, but does not finish or is disqualified in a race, shall receive a score for the place one greater than the number of starters in that race using the next column in the table to determine the number of points.

Finishing Place	Number of Starters																			20 or more	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19		
1	0	10	31	43	52	60	66	72	76	80	84	87	90	92	94	96	97	98	99	100	1
2		7	25	37	46	54	60	66	70	74	78	81	84	86	88	90	91	92	93	94	2
3			21	33	42	50	56	62	66	70	74	77	80	82	84	86	87	88	89	90	3
4				29	38	46	52	58	62	68	70	73	76	78	80	82	83	84	85	86	4
5					35	43	49	55	59	63	67	70	73	75	77	79	80	81	82	83	5
6						40	46	52	56	60	64	67	70	72	74	76	77	78	79	80	6
7							44	50	54	58	62	65	68	70	72	74	75	76	77	78	7
8								48	52	56	60	63	66	68	70	72	73	74	75	76	8
9									50	54	58	61	64	66	68	70	71	72	73	74	9
10										52	56	59	62	64	66	68	69	70	71	72	10
11											54	57	60	62	64	66	67	68	69	70	11
12												55	58	60	62	64	65	66	67	68	12
13													56	58	60	62	63	64	65	66	13
14														57	59	61	62	63	64	65	14
15															58	60	61	62	63	64	15
16																59	60	61	62	63	16
17																	59	60	61	62	17
18																		59	60	61	18
19																			59	60	19
20																				59	20