

Northport Bay Yacht Club

2021 Racing Program

The 2021 Racing Program will include the Saturday afternoon Applebee Series and the Tuesday evening Sutton Series. Start times are generally 1 PM for Applebee Series and 6 PM for Sutton Series. At least 2 hours prior to each race, a text message will be sent to all racers with the time and course for that day's race. Occasionally, a start time or course may have to be adjusted due to a substantial change in conditions and will be announced on Channel 72 and a text message sent at least 15 minutes prior to the scheduled start. Please text Mike Cann (415-308-3418) prior to the first race the phone number we should use for the current season.

The Race Committee allows spinnakers to be used for both the Applebee Series and the Sutton Series. Each skipper must "opt in" in order to use a spinnaker for a given race. If a skipper uses a spinnaker the boat's handicap during a race, the skipper must text Mike Cann (415-308-3418) opting in for a spinnaker use when reporting the boat's finishing time. Failure to opt in when using a spinnaker during a race can result in a DSQ. This will apply to both Applebee and Sutton race series. We will use two different PHRF handicaps – the Base PHRF ("Base Handicap") for those racing with a spinnaker (including asymmetrical, drifter, traditional spinnaker with a pole, etc.) or the non-Spinnaker handicap "NSHCP" for those racing without a spinnaker. The Base PHRF (when using a spinnaker) is generally 5-15 seconds per mile higher than the NSHCP (see attached NBYC 2021 Season initial handicaps).

NBYC has used the Time-on-Time (TOT) handicapping since 2018 rather than the Time-on-Distance system. TOT uses each boat's PHRF ratings and calculates time corrections as a percentage of elapsed time (actual time from race start time to finish time) as follows: Corrected time = Elapsed time X 650/(550 + PHRF). (See attached article "Racers Guide to Time on Time scoring).

PHRF ratings have certain adjustments (adding time) if the boat has roller furling or a fixed 2 or 3 blade. We also add or subtract time from your handicap

based on how each boat finished. We call this a “golf” handicap adjustment since it adjusts the handicap slightly each race. It is calculated by using a boat that finishes about 40% from the top (Reference Boat). Then the difference between each boat’s corrected finish time and the reference boat’s corrected finish time is calculated. Boats with corrected time that is less than the reference boat, get a subtraction from their handicap while boats corrected times more than the reference boat get an addition to their handicap, equal to 10% of the time per mile difference (this will apply both the Saturday Applebee Series and the Tuesday Sutton Series races). Maximum adjustment per race is 6 seconds per mile. Separate handicaps are maintained for Applebee and Sutton’s race series.

Attached is the Race Committee 2021 Handicapping Sheet in which you can see how the BASE and NSHCP ratings are determined. We use the New England PHRF data base to obtain the BASE and NSHCP handicaps (where available) to make them as comparable as possible. We are starting the season with an initial “golf” adjustment equal to the sum of 50% of your 2018, 2019 and 2020 “golf” adjustments to determine the beginning 2021 “golf” adjustment.

The Race Committee’s objective is to create a handicap process that gives as many boats as possible a chance to place in the top 3 finishers. In 2020 the Applebee Series races averaged about 7 boats per race with 5 different boats taking 1st, 4 different boats taking 2nd and 5 taking 3rd.

No extra points will be awarded for participation in special events. Scoring is as follows: Every boat to start a race receives 1 point for participation. 1st place receives 3 points, 2nd place receives 2 points and 3rd place receives 1 point. The boat with the most points at the end of the season is the Series Champion (there is 1 mandatory race “throw out” which will be excluded when determining the final standings for the season).

Please contact me if you have any questions or comments.

Mike Cann

hwcann3@gmail.com

415-308-3418

SUTTON AND APPLEBEE COURSES

Sutton Series Courses:

Standard Sutton Series (Tuesday) buoy's (4.65 NM) (unless modified by VHF (Channel 72) or text).

South Start

Start/Finish line: N45° 07.689' – W085° 36.623'

Timber Shores: N45° 06.956' – W085° 36.641'

Red Nun #6: N45° 07.681' – W085° 35.165'

Start/Finish: N45° 07.689' – W085° 36.623'

North Start

Start/Finish line: N45° 07.689' – W085° 36.623'

Red Nun #6: N45° 07.681' – W085° 35.165'

Timber Shores: N45° 06.956' – W085° 36.641'

Long Sutton Series (Tuesday) buoy's (5.7 NM) (unless modified by VHF (Channel 72) or text).

South Start

Start/Finish line: N45° 07.689' – W085° 36.623'

Timber Shores: N45° 06.956' – W085° 36.641'

Red Nun #4: N45° 07.748' – W085° 33.981'

Start/Finish: N45° 07.689' – W085° 36.623'

North Start

Start/Finish Buoy: N45° 07.689' – W085° 36.623'

Red Nun #4: N45° 07.748' – W085° 33.981'

Timber Shores: N45° 06.956' – W085° 36.641'

Start/Finish Buoy: N45° 07.689' – W085° 36.623'

Applebee Series Courses:

Standard Applebee (Saturday) buoy's (7.5NM) (unless modified by radio (Channel 72) before the start).

South Start

Start/Finish Buoy: N45° 07.689' – W085° 36.623'

Gull Island South: N45° 05.537' – W085° 34.059'

Red Bell Buoy #2: N45° 07.741' – W085° 33.205'

East Start/Finish Buoy: N45° 07.689' – W085° 36.623'

North Start

Start/Finish Buoy: N45° 07.689' – W085° 36.623'

Red Bell Buoy #2: N45° 07.741' – W085° 33.205'

Gull Island South: N45° 05.537' – W085° 34.059'

Start/Finish Buoy: N45° 07.689' – W085° 36.623'

Short Applebee (Saturday) buoy's 5.7NM) (unless modified by radio (Channel 72) before the start).

South Start

Start/Finish Buoy: N45° 07.689' – W085° 36.623'

Timber Shores: N45° 06.956' – W085° 36.641'

Red Bell Buoy #2: N45° 07.741' – W085° 33.205'

East Start/Finish Buoy: N45° 07.689' – W085° 36.623'

North Start

Start/Finish Buoy: N45° 07.689' – W085° 36.623'

Red Bell Buoy #2: N45° 07.741' – W085° 33.205'

Timber Shores: N45° 06.956' – W085° 36.641'

Start/Finish Buoy: N45° 07.689' – W085° 36.623'

Boat	Boat	Owner	Received MHC Questionnaire	BHCP	Genoa Roller Fuller Adj	Max Headsail Adj	Propeller Type Adj	NBYC RC Adj	2018 (50%) Golf Adustments Sec/Mile	2019 (50%) Golf Adustments Sec/Mile	2020 (50%) Golf Adustments Sec/Mile	BHCP Adj HCP	BHCP Time Correction Factor Handicap Calculation	Spinnaker Adjustment	NSHCP Adj HCP	NSHCP Time Correction Factor Handicap Calculation
Alouette	Freedom 21	Bill Rosemury	Yes	243.0					-1.5	0.0	0.0	241.5	0.821	8	249.0	0.814
Asylum	Frers 33	Doug Kilgren		108.0					-2.1	0.0	-1.7	104.1	0.994	6	110.1	0.985
Dawn Treader	Helms 24	Steve Leubkeman		237.0				-19	0.0	0.0	0.6	218.6	0.846	6	224.6	0.839
Grin	Ericson 32-200	John Woomer	Yes	156.0	3		6		6.6	12.9	9.3	193.8	0.874	8	201.3	0.865
Interim	Islander 32-2	Ray Hale	Yes	168.0	3		6		9.4	6.1	0.0	192.5	0.875	6	198.5	0.868
KristinB II	Catalina 36 Mk 1 TM	Mike Cann	Yes	132.0	3		6		5.0	5.5	7.7	159.2	0.917	6	165.2	0.909
Legato	Luders 33	Jim Richardson	Yes	198.0	3		9		12.0	6.2	15.0	243.2	0.819	2	244.7	0.818
Mirabelle	Cape Dory 31 Cutter	Campbell McLeod	Yes	207.0	3		9		0.9	8.8	1.3	230.0	0.833	6	236.0	0.827
Morning Due	Hunter H30	Ernie Barry	Yes	171.0	3		6		-1.7	0.0	0.0	178.3	0.893	8	185.8	0.883
Mr Wizzard	Etchells 22	Jim & John Zevelkink		120.0				-9	1.5	0.0	0.0	112.1	0.982	3	115.1	0.977
Outrageous	Tanzer 22	Don Webb	Yes	237.0					4.3	-4.2	0.0	237.2	0.826	6	243.2	0.819
Paradox	J 92	Glenn VanOtteren	Yes	99.0	3				-1.9	-8.5	-4.3	87.4	1.020	9	96.4	1.006
Pegasus	Catalina 320	Bill Allen	Yes	153.0	3				-7.0	-9.6	-7.4	132.0	0.953	6	138.0	0.945
Puff	J 24	Mike Sinclair	Yes	168.0					0.2	6.7	0.0	175.0	0.897	3	178.0	0.893
Qi Mover	C&C 29 Mk 1	Mike Finazzo	Yes	174.0	3				16.2	7.3	6.3	206.8	0.859	3	209.8	0.855
Rapture	Catalina 22 Capri	Phil Hallstedt	Yes	201.0					0.0	0.0	0.0	201.0	0.866	3	204.0	0.862
Stargazer	Catalina 30	Russ Madsen		180.0					4.5	0.0	0.0	184.5	0.885	6	190.5	0.878
Suzy	Northport 32	Tom Weatherbee		201.0			6		0.0	0.0	0.0	207.0	0.859	6	213.0	0.852
Windward	Morgan 28	Michael Mulkerin	Yes	207.0	3		3		0.0	0.0	0.0	213.0	0.852	6	219.0	0.845

Adjustments

The roller furling headsail adjustment is determined according to the following:

- Standard production feature 0 sec/nm
- Below deck furling drum 0 sec/nm
- Above deck furling drum +3 sec/nm

LP ADJUSTMENT

- 155.0% or less 0 sec/nm
- 165.1%-170% -6 sec/nm
- Over 170% -9 sec/nm

Propeller Type Adustments

- Two bladed solid propeller on an exposed shaft +6 Sec/nm
- Three or more bladed solid propeller on an exposed shaft +9 Sec/nm
- Three or more bladed solid propeller in an aperture +3 Sec/nm

NBYC Race Committee Adjustments

As set by the Committee

Boat	Boat	Owner	Received MHC Questionnaire	BHCP	Genoa Roller Fuller Adj	Max Headsail Adj	Propeller Type Adj	NBYC RC Adj	2018 (50%) Golf Adustments Sec/Mile	2019 (50%) Golf Adustments Sec/Mile	2020 (50%) Golf Adustments Sec/Mile	BHCP Adj HCP	BHCP Time Correction Factor Handicap Calculation	Spinnaker Adjustment	NSHCP Adj HCP	NSHCP Time Correction Factor Handicap Calculation
Alouette	Freedom 21	Bill Rosemury	Yes	243.0					-1.5	0.0	0.0	241.5	0.821	8	249.0	0.814
Asylum	Frers 33	Doug Kilgren		108.0					-2.1	0.0	0.7	106.6	0.990	6	112.6	0.981
Dawn Treader	Helms 24	Steve Leubkeman		237.0				-19	0.0	0.0	-1.8	216.2	0.848	6	222.2	0.842
Grin	Ericson 32-200	John Woomer	Yes	156.0	3		6		6.6	2.8	15.8	190.2	0.878	8	197.7	0.869
Interim	Islander 32-2	Ray Hale	Yes	168.0	3		6		9.4	9.0	0.0	195.4	0.872	6	201.4	0.865
KristinB II	Catalina 36 Mk 1 TM	Mike Cann	Yes	132.0	3		6		5.0	1.9	0.8	148.7	0.930	6	154.7	0.922
Legato	Luders 33	Jim Richardson	Yes	198.0	3		9		12.0	9.0	11.1	242.1	0.821	6	248.1	0.814
Mirabelle	Cape Dory 31 Cutter	Campbell McLeod	Yes	207.0	3		9		0.9	5.0	-2.4	222.6	0.841	6	228.6	0.835
Morning Due	Hunter H30	Ernie Barry	Yes	171.0	3		6		-1.7	0.0	0.0	178.3	0.893	8	185.8	0.883
Mr Wizzard	Etchells 22	Jim & John Zevelkink		120.0					1.5	-9.4	-8.4	103.7	0.994	3	106.7	0.990
Outrageous	Tanzer 22	Don Webb	Yes	237.0					4.3	-1.5	3.5	243.3	0.819	6	249.3	0.813
Paradox	J 92	Glenn VanOtteren	Yes	99.0	3				-1.9	-8.5	0.0	91.6	1.013	9	100.6	0.999
Pegasus	Catalina 320	Bill Allen	Yes	153.0	3				-7.0	2.2	0.0	151.1	0.927	8	158.6	0.917
Puff	J 24	Mike Sinclair	Yes	168.0					0.2	0.0	0.0	168.2	0.905	3	171.2	0.901
Qi Mover	C&C 29 Mk 1	Mike Finazzo	Yes	174.0	3				16.2	0.0	-0.5	192.7	0.875	3	195.7	0.872
Rapture	Catalina 22 Capri	Phil Hallstedt	Yes	201.0					0.0	0.0	0.0	201.0	0.866	3	204.0	0.862
Stargazer	Catalina 30	Russ Mattson		180.0					4.5	0.0	0.0	184.5	0.885	8	192.0	0.876
Suzy	Northport 32	Tom Weatherbee		201.0			6		0.0	0.0	0.0	207.0	0.859	6	213.0	0.852
Windward	Morgan 28	Michael Mulkerin	Yes	207.0	3		9		0.0	0.0	0.0	219.0	0.845	6	225.0	0.839

Adjustments

The roller furlled headsail adjustment is determined according to the following:

- Standard production feature 0 sec/nm
- Below deck furling drum 0 sec/nm
- Above deck furling drum +3 sec/nm

LP ADJUSTMENT

- 155.0% or less 0 sec/nm
- 165.1%-170% -6 sec/nm
- Over 170% -9 sec/nm

Propeller Type Adustments

- Two bladed solid propeller on an exposed shaft +6 Sec/nm
- Three or more bladed solid propeller on an exposed shaft +9 Sec/nm
- Three or more bladed solid propeller in an aperture +3 Sec/nm

NBYC Race Committee Adjustments

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