

2010 BWYC Wednesday Night Ratings

Below are the time on time multipliers based on the results of the 2009 sailing season. The first column gives the Yacht, the second column is the New Time Adjustment, and the third column is our modified Portsmouth Numbers (PN) used in 2009. Flying Scots remain as our golden standard with no adjustment from 2009 to 2010. All other boats have been adjusted relative to the Scots.

The only boats that are sailing close to their true ratings are the 420, Sunfish, and Lightning. Everyone else is losing 10% - 40% to poor equipment and or lack of skill. Hopefully some of these boats will now start to win races based on these new ratings. The race committee will attempt to adjust these ratings during the course of the year, especially to penalize any sailors who attempt to improve their skill. Ratings will be adjusted at the start of each series based on performance in the previous series.

Example calculation: in a race with times for a Scot of 2030 s and a Sunfish of 2205 s, the Scots time of 2030 s would remain at 2030. The sunfish would be corrected as $2205 \times 0.92 = 2029$ s. The sunfish's corrected time of 2029 would beat the Scot's time of 2030 by 1 second.

2010 Time on Time Adjustments

Yacht	New WNR	2009 Equiv. PN
Flying Scot	1.00	1.00
Lightning	0.97	1.03
Sunfish	0.92	0.90
420	0.90	0.90
Morgan 22	0.88	0.92
Aguilon 26	0.80	1.20
Hobie16	0.77	1.23
MacGregor 26	0.76	0.97
Catalina 22	0.75	0.94
Cal 29	0.71	1.06
Pearson 23	0.70	0.94
Pintail	0.67	0.84
Gulf Coast 18	0.52	0.87

Detailed Explanation

This simplified system has been adopted to replace the 2009 BWYC season's Portsmouth ratings (PN) for several reasons. First, these direct multipliers are easier to manage with a hand calculator, pencil, and several beers. Second, they are somewhat easier to understand than the time x 100/PN system, where those reciprocals gets confusing up in the bar. Finally, we have eliminated using the Portsmouth wind tables, since almost all our 2009 races were in the same 6-9 knot range.

These ratings also reflect an ad-hoc adjustment from the original PHRF and Portsmouth numbers based on our sailor's performance in 23 races from our 2009 sailing season. For all boats a time-on-time on rating was calculated for each race relative to the winning boat for that race. This gave each boats rating required to place a tie relative to the winning boat for that night's race. Then for each boat, the 50% best performing races were used to calculate an average adjustment (2010 Time on Time adjustments Above). All Flying Scots, 420's and Sunfish are considered as fleets and the ratings are skipper independent. For all other boats the ratings are for a specific skipper-boat combination.