

RACING HANDICAPS FOR W.S.C. (PORTSMOUTH RATINGS) Aug 15/09

ALBACORE	94
BOMBARDIER 4.8	94
BUCCANEER SP1	87
CANUCK	95
CL14	101
CL16	97
COMPAC 16	109
DS16	117 (Shoal draft or centerboard)
DS20	?
EDEL 540	109 (Okanagan Region)
Edel 540 (Les)	89 (June 14/08)(REPLACED)
Edel 540 (Les)	96 (July 12/08)
Halman 20	103 (Used Sailboat Guide)
HOBIE 12	105
HOBIE 16	77 (Portsmouth Guide)
HOBIE 18	72 (Portsmouth Guide)
HOBIE 18 (Bart)	65 (July 11/09)
HUGHES 22	?
JUNEAU 16	110
KERRY DANCER	84
KINGFISHER	120
LASER 4.8	95
LINK	98
MACGREGOR 22	98
MACGREGOR 26	96 (Centerboard)
“ ”	93 (Daggerboard- Portsmouth Guide)
MATILDA 20	102
MATILDA 20 (Gerry)	96 (Aug 15/09)
MINUET	108
Minuet (Paul)	100 (June 16/07)(REPLACED)
Minuet (Paul)	89 (August 10/08)
Minuet (Donal)	105 (Aug 12/07)
Minuet (Len)	93 (June 13/09)
NORDICA 16	113
NORDICA 20	103 (Used Sailboat Guide)
O'DAY 17	?
O'DAY 19	95
O'DAY 20	?
Olympic Dolphin	97(PHRF NEW ENGLAND handicapping)
PACE 23	97

PRECISION 23	96
S2 (6.9)	90
SANDPIPER	100
SIREN	110
SIRIUS 21/22	96
VENTURE 22	103
WAYFARER	97
West Wight Potter 19	105

RACING HANDICAPS

How do racing handicaps work????????????????

The formula is
$$\frac{\text{(Elapsed time in decimal minutes)} \times 100}{\text{Handicap rating}}$$

An example

Say we pick the boat with the lowest handicap rating e.g. Lorne&Pam Mulholland in their KERRY DANCER, with a handicap rating of 84 and next pick the boat with the highest handicap rating e.g. Dave&Betty Northey in their DS16, with a handicap rating of 117.

They have both just completed a race and the elapsed times are

Dave&Betty	1 hour, 20 minutes and 37 seconds
Lorne&Pam	1 hour, 0 minutes and 0 seconds

First, we have to convert elapsed time to decimal minute

Dave&Betty=1 hour	= 60.
20 minutes	= 20.
37 seconds (37/60)	= <u>.62</u>
	80.62 (decimal minutes)

Next,

Lorne&Pam= 1hour	= 60.	(Race officials just love it when
0 minutes	= 0.	results end in o seconds-no conversion)
0 seconds	= <u>.0</u>	
	60.0 (decimal minutes)	

Then use formula

Dave&Betty	$\frac{80.62 \times 100}{117}$	= 68.91 adjusted time
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Lorne&Pam	$\frac{60.0 \times 100}{84}$	= 71.43 adjusted time
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and Dave&Betty, with an adjusted time of 71.40 would beat Lorne&Pam, with an adjusted time of 71.43

So it is very important to perform the calculations properly or in a very close race, the incorrect winner might be declared.

RACING HANDICAPS

The handicap ratings on page 1 were developed from the following assumptions

- #1. That each boat placing first in each class was sailed to its true potential, by a perfect crew, according to a flawless strategy.
- #2. That all boats sailed the same course, experienced the same wind/water conditions and degree of interference of clear air.
- #3. That all one-design boats conform to class specifications and rules, and use sails specified by the class.
- #4. That boats with multiple sail inventories (genoas, spinnakers, etc.) utilize the proper sails for the wind conditions and legs of the course.

The handicap ratings, it should be noted, are not cast in GRANITE and can be changed at the discretion of the RACING COMMITTEE, as these handicaps are for the sole use of the WILDWOOD SAILING CLUB.

How to determine missing component if 2 components are known

H = Handicap

E = Elapsed time in decimal minutes

A = Adjusted time

$$A = \frac{E \times 100}{H}$$

$$E = \frac{A \times H}{100}$$

$$H = \frac{E \times 100}{A}$$

July 31/08

The Racing Committee has adopted the following change to determining handicaps in an effort to improve the handicapping system.

The Handicapping Rating for the winner of a race, based on adjusted times, WILL BE CHANGED to the minimum handicap that allows him/her to finish ahead of the second place finisher.

E.g .NEW HANDICAPS

Edel 540 (Les)	109	89	June 14/08 (REPLACED)
Edel 540 (Les)	89	96	July 13/08
Hobie 18 (Bart)	72	65	July 11/09
Matilda 20 (Gerry)	102	96	Aug 15/09
Minuet (Paul)	108	100	June 16/07 (REPLACED)
Minuet (Paul)	100	89	Aug 10/08
Minuet (Donal)	108	105	Aug 12/07
Minuet (Len)	108	93	June 13/09

$$\frac{\text{Actual time of winner(decimal minutes)}}{\text{Second place finisher's adjusted time(decimal minutes)}} = \text{New handicap(round up to next whole number)}$$

Double check that winner's new adjusted time is marginally faster than second place finisher's adjusted time.