Creating Results for a Mixed Fleet of Dinghies and Trailer Yachts

Background

Many year ago, the then "Yachting Australia" introduced a "CBH conversion factor" (CF). This converted a CBH e.g. 0.875 to an equivalent yardstick.

While the detail is lost in history, it is believed that this factor was set at 80.25, and was revised to 80.36 at some point; or, maybe it was the other way around??

The maths works like this.

YS = CF/CBH
Where CF is the CBH Correction Factor.

Example (simplified)
CF   = 80
CBH = 0.650
YS   = 80/0.650 = 123.07692
Round to 1 decimal
YS   = 123.1

If CF is 80.36 then the example becomes
CF   = 80.36
CBH = 0.650
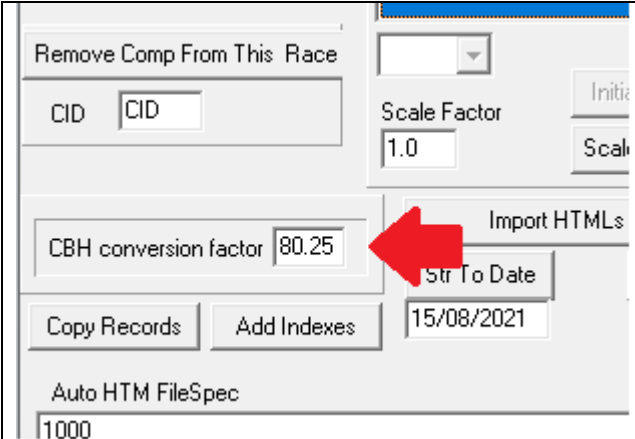YS   = 80.36/0.650 = 123.63076
Round to 1 decimal
YS   = 123.6

Since that concept was introduced a decade or two ago, the yardsticks published by Australian Sailing (AS) have become very closely aligned with the English *'Port Smith Marks'* for off the beach boats, which resulted in the movement of several class yardsticks.

Further, AS have very recently updated the CBH listings, though most classes have not altered by much.

As a consequence of the above a suitable value for the CBH conversion factor may need to be revised a little.

Currently, TopYacht has a default value for the correction factor of 80.25.

This can be altered on the "magic" utilities page. To access this page open the Configuration menu then press <Ctrl> M.

CARFULL

Only touch the CBH Conversion Factor. Other options on this page may not suite you results set up and can have major impacts on your results!

Implementation

In TopYacht you can set up a Series for Dinghies *and* Trailer Yachts by setting the Series Mode as below.

Sample Results

The column that contains the YS and/or the CBH is headed "TCF".

The maths is shown below.

The elapsed time for each boat has been set at 100 minutes.

The Corrected Times are show in minutes & decimal minutes so it is easier to check out the math.

Sail No	Boat Name	Class	Elapsd	TCF	YS	100/YS	TCF Cor d T
123	ONE	125	100	120	120.0	0.833333	83.33
789	THREE	Adams 21	100	0.690	116.3	0.859813	85.98
456	TWO	420	100	115	115.0	0.869565	86.95

Covert the CBH of 0.690 as follows

CF   = 80.25
CBH = 0.690
YS   = 80.25/0.690 = 116.30434
Round to 1 decimal
YS   = 116.3

Prerequisites:

TopYacht Version 10.21.8.3 (or later)

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