



# Sandgate YC

## Winter Series Race 1

### Line Honours: Patrick Kills Oysters

Date 23-Jun-19 BCT 19.33

Starters 4  
Finishers 4



Place	Boat Name		Hcp	E/Time	C/Time	% Perf	Ach/Hcp	Points	Prov. Hcp.
1	<b>Patrick Kills Oysters</b>	Bill Wheatley & Michelle and Dean	1.0089	18.98	19.15	100.93%	1.0183	1	1.0183
2	<b>SNAffU</b>	Paul Young & Chris Howell	0.9365	20.77	19.45	99.39%	0.9308	2	0.9365
3	<b>Relience 17</b>	Greg Williamson & Laurie Williamson	0.9431	20.77	19.59	98.69%	0.9308	3	0.9337
4	<b>Soggy Sox</b>	Ariane Ritchie & Duncan Ritchie	0.9083	22.98	20.87	92.60%	0.8410	4	0.8992

Sandgate Yacht Club Handicap system to be applied for Winter Series racing.  
- Points allocation system is applied after handicap results are calculated.

REMEMBER: If you're on the water consistently you've got every chance of winning under the handicap system!

#### Back Calculated Handicap system:

A performance based handicap system which aims to enable boats of different designs and crews of different skill levels to compete against each other without a need for boat measurements and measurement rules.

The handicap allocated at the beginning of the series is taken from previous known data including previous racing history and VYC yardstick information. "New to the club" boats will be given an initial handicap according to this data.

**Corrected Time (CT)** is calculated by taking the **Elapsed Time (ET)** and applying the handicap as a percentage.  
For example, a boat with a handicap of 0.9100 finishes in 50 minutes. Her CT would be 45.5 minutes ( $50 \times 0.91 = 45.5$ )

**Benchmark Corrected Time (BCT)**. This is a time positioned 20% of the way down the fleet from the winning boat on Corrected Time.

Each boat's **achieved handicap (ACH)** is calculated by comparing the BCT and its ET. For example, a BCT of 50 minutes and an ET of 52 minutes would result in an achieved handicap of 0.9615, an ET of 54 minutes would result in an achieved handicap of 0.9259.

Each race a new handicap is calculated for the subsequent race using the following rules:

The boats CT is compared to the BCT.

If the BCT/CT is greater than 1.03, then a 3% handicap penalty would be imposed. Therefore her provisional handicap for the next race would be 0.9373 ( $0.9100 + 3\%$ ).

If the BCT/CT is greater than 1, but less than 1.03, then the handicap will be the boats **achieved handicap**. The boat with a handicap of 0.9100, finishing in 54 minutes in the above example would have a CT of 49.14 and an achieved performance of 1.02.

Her provisional handicap for the next race will be her achieved handicap of 0.9259.

If the BCT/CT is greater than 0.99, but less than 1, her handicap will be unchanged.

If the BCT/CT is less than 0.99, then a handicap improvement of 1% would be applied. Therefore her provisional handicap for the next race would be 0.9009 ( $0.9100 - 1\%$ ).