

# PCS ON THE WATER CORRECTED PLACE ESTIMATOR

The “Scratch Sheet” below provides an ability to make a useful estimate of how a yacht is doing vs. its classmates on the water. It is approximate because under PCS scoring ORC uses the VPP to interpolate to a very high resolution the wind strength it uses to calculate a boat’s performance versus its polars.

That said, using this sheet one can take the course length, make an estimate of the mean wind strength for the race and scan to identify time given or received from classmates in seconds per mile.



## Scratch Sheet

### PCS - Windward/Leeward

Yacht Name	Sail No	Type	APH	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt
<input type="radio"/> SHINE BOX	USA 4007	Farr 40 Mod	480.0	34.5	22.4	15.6	10.9	8.6	12.2	19.3	18.6
<input type="radio"/> HOOLIGAN	USA 52521	TP 52	395.8	-96.1	-79.8	-75.4	-76.0	-80.0	-81.3	-77.1	-70.3
<input type="radio"/> HOT TICKET	USA 25328	J 120	509.9	121.3	85.0	49.8	35.2	36.0	42.2	55.4	50.4
<input type="radio"/> NOTSO EZ MONEY	USA 25669	DEHLER 44 SQ	504.4	117.7	80.8	49.3	33.4	32.7	39.2	52.6	70.0
<input type="radio"/> SLEEPING TIGER	USA 25900	J 120	510.8	125.2	86.6	50.7	36.2	37.0	44.0	57.1	48.1
<input type="radio"/> SMOKE SHOW	USA 38103	JPK 10.80	520.2	108.4	81.2	61.8	57.1	59.7	62.2	76.0	65.9
<input type="radio"/> BELLA LUNA	USA 52169	FIRST 36.7	552.1	175.4	133.2	101.5	85.2	76.2	78.7	98.0	116.9
<input type="radio"/> TRIDENT	US 50045	SANTA CRUZ 70	412.7	-53.3	-45.8	-50.7	-56.8	-59.4	-55.2	-43.6	-26.9
<input type="radio"/> GOOD LOOKIN'	USA 123	J 105	548.1	198.2	142.7	101.8	83.7	81.5	81.5	93.2	75.7
<input type="radio"/> CALIFORNIA GIRL	USA 50345	J 120	500.9	100.9	68.6	37.0	24.8	26.4	33.5	45.4	27.5
<input checked="" type="radio"/> SOLUTION	USA 40025	FARR 40 OD	469.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<input type="radio"/> ELEVATION	USA 61232	J 112E	525.7	138.8	100.7	68.6	56.8	59.2	62.2	78.8	68.5
<input type="radio"/> PENDRAGON	USA 4001	J 130 SD	494.4	90.8	60.4	31.2	19.2	19.9	27.3	40.1	40.8
<input type="radio"/> Notorious	CAN 3005	Farr 30	532.6	96.9	82.4	74.2	69.8	66.5	68.4	65.0	63.0
<input type="radio"/> FAST TANGO	USA 15004	NA 40	556.4	155.4	128.3	103.6	89.0	81.1	83.7	105.0	124.3
<input type="radio"/> Viva Las Vegas	7711	Hoble 33	532.1	157.9	119.3	93.4	78.7	72.7	72.5	71.2	73.3
<input type="radio"/> MERAK	USA 595	Hunter 37 Legend W	571.5	195.1	154.0	124.7	117.5	121.0	121.1	140.8	166.0
<input type="radio"/> PTERODACTYL	USA 43	J 111	504.5	89.2	58.9	38.7	35.0	36.7	40.8	42.4	32.4
<input type="radio"/> VIVA LA VIDA	USA 46722	J 120	510.7	113.4	79.5	48.8	36.8	38.6	45.7	59.2	52.4

To generate this sheet:

- 1) Log on to Sailor Services on the ORC website. You will need to generate a free-of-charge account if you do not already have one.

The screenshot shows the 'Search for Certificates' page on the ORC website. The page features a navigation menu on the left with links for Home, News, Software, Search for Certificates, My Boats, Scratch Sheet, Buy Credits, Main ORC Site, and Logout. The main content area contains a search form with the following fields and instructions:

- Country:** A dropdown menu with "Any" selected. Instruction: "If you know the country of origin (rating office) of the certificate select it from the list, otherwise select 'Any'."
- Year:** A dropdown menu with "Any" selected. Instruction: "Narrow your search by selecting the certificate issue year."
- ORC Reference #:** A text input field. Instruction: "Although not mandatory, a search by the reference number will locate a single certificate. Fill this in only if you know the exact reference number."
- Yacht Name:** A text input field. Instruction: "Fill in the name of the boat or part of it."
- Sail Number:** A text input field. Instruction: "Fill in the sail number or part of it. Avoid using delimiters (such as '-'). Instead, entering just the number without the country abbreviation (e.g. '12345' instead of 'FRA-12345') will give better results."
- Yacht Class:** A text input field. Instruction: "Fill in the yacht make/model or part of it. The 'Class' field of the certificate is searched. If you're not sure about the definition or spelling of the class, it's better to input less but more characteristic information. For example, the 'Beneteau First 40.7' is usually recorded as 'First 40.7' so the search for 'Beneteau 40.7' will yield an empty result set. However searching for '40.7' will produce the desired result. It is also possible to use the '\*' symbol as a wildcard. For example, a search for 'J-100\*' will yield some results but not all of them, because this boat is spelled sometimes as 'J100' or 'J 100', depending on the originating rating office. Searching for '%J100\*' will give the full results."

A "Search" button is located at the bottom of the form.

- 2) Search for the boats you want, presumably those in your class.

**Search results**

To add a boat certificate entry to your My Boats folder, click on the green "+" symbol next to the boat's name.

To request a copy(\*) of that boat's issued certificate, click on the "Get a copy!" link.

#	Rating Office	Reference Number	Yacht Name Sail Number	Certificate APH	Issue Date Year	Class (Age)	Designer Builder
1	USA	04560003A65 US6034.dxt	VESPER USA 52007 <a href="#">Select for scratch sheet</a>	International 383.2 <a href="#">Get a copy!</a>	07/06/2024 2024 <a href="#">Speed Guide!</a> <a href="#">Target Speeds!</a>	TP 52 (2008)	CARKEEK / BOTIN LONGITUDE 0
2	GBR	03860003A5Q CAY007.dxt	Vesper CAY 007 <a href="#">Select for scratch sheet</a>	International 330.5 <a href="#">Get a copy!</a>	07/06/2024 2024 <a href="#">Speed Guide!</a> <a href="#">Target Speeds!</a>	MAXI 72 (2014)	JUDEL FRIEDRICH / VROELIJK ROLF PERSICO
					28/04/2024		

Once you have a list of all the boats you want – click “Select for Scratch Sheet”

- 3) Once all the boats have been selected, from the left-hand Column select “Scratch Sheet”. This screen will come up.

**Scratch Sheet**

Scoring: **All countries** \* select option \*

Create and display scratch sheet for the boats below

#	Rating Office	Reference Number	Yacht Name Sail Number	Certificate APH	Issue Date Year Expires	Class (Age)	Designer Builder
1	GBR	03860003A5Q	Vesper CAY 007	International 330.5	07/06/2024 2024 31/12/2024	MAXI 72 (2014)	JUDEL FRIEDRICH / VROELIJK ROLF PERSICO
2	USA	04560003A65	VESPER USA 52007	International 383.2	07/06/2024 2024 31/01/2025	TP 52 (2008)	CARKEEK / BOTIN LONGITUDE 0

To generate a PCS Scratch sheet, select “All countries” in the “Scoring” field. Choose PCS. Then hit “Create and Display Scratch Sheet”.

4) A full scratch sheet representing a class looks like the one below:



**Scratch Sheet**

**PCS - Windward/Leeward**

	Yacht Name	Sail No	Type	APH	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	24 kt
<input type="radio"/>	SHINE BOX	USA 4007	Farr 40 Mod	480.0	34.5	22.4	15.6	10.9	8.6	12.2	19.3	18.6
<input type="radio"/>	HOOLIGAN	USA 52521	TP 52	395.8	-96.1	-79.8	-75.4	-76.0	-80.0	-81.3	-77.1	-70.3
<input type="radio"/>	HOT TICKET	USA 25328	J 120	509.9	121.3	85.0	49.8	35.2	36.0	42.2	55.4	50.4
<input type="radio"/>	NOTSO EZ MONEY	USA 25669	DEHLER 44 SQ	504.4	117.7	80.8	49.3	33.4	32.7	39.2	52.6	70.0
<input type="radio"/>	SLEEPING TIGER	USA 25900	J 120	510.8	125.2	86.6	50.7	36.2	37.0	44.0	57.1	48.1
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<input type="radio"/>	ELEVATION	USA 61232	J 112E	525.7	138.8	100.7	68.6	56.8	59.2	62.2	78.8	68.5
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<input type="radio"/>	VIVA LA VIDA	USA 46722	J 120	510.7	113.4	79.5	48.8	36.8	38.6	45.7	59.2	52.4

Click on the left hand column to select the “reference boat”. This will be your boat and the software will generate seconds per mile given or received based on that boat.