

2019 Racing Class Handicaps

ALL KNOWN BOATS



The following table is a listing of all known boat classes and their assigned base ratings set by the Race Coordinator for the 2019 racing season.

GSSC has adopted US Sailing's model of the **Portsmouth Yardstick** – an internationally recognized handicap system – and uses its *Table of Precalculated Classes* as a reference. When Yardstick numbers are unavailable, GSSC refers to the published ratings of US Sailing's **Performance Handicap Racing Fleet** (PHRF) – another internationally recognized system. Where neither Yardstick or PHRF ratings are available, GSSC uses the "*Schell Regression Formula*" with available boat measurements to create PHRF and Yardstick ratings.

Boats with insufficient data cannot receive a rating. At minimum, the Shell Regression Formula requires the boat's length at water level (LWL), weight/displacement, draft, and sail dimensions (I-J-P-E).

Individual Adjustments

Individual adjustments may be made to address rigging setup or hull modifications. For example, a boat that is normally equipped with a spinnaker may get an adjustment to compensate for a lack of spinnaker, or a boat that normally has an inboard motor may get an adjustment to reflect its use of an outboard motor. Individual adjustments are made at the Race Coordinator's discretion and on a case-by-case basis.

Individual adjustments are made and posted separately from this table of class ratings.

Table Headings

The following headings are found on this table:

- **CLASS (MODEL)** – the name of the class or model
- **BOATS** – the number of boats known to be part of this class
- **DPN** – the base Yardstick rating for each class
- **DPN1 to DPN4** – if available, the alternate Yardstick ratings for each class used in accordance with the Beaufort wind scale
- **PHRF** – the base PHRF rating for each class
- **TIME @ 10NM** – for reference, the example expected time for each boat to complete a straight 10-mile course based on the Yardstick/PHRF ratings provided.

If you do not see your boat class on the table or if your boat does not have a rating, or if you have concerns about the assigned ratings, please contact racing@greatslavesailingclub.com.

CLASS (MODEL)	BOATS	DPN	DPN1	DPN2	DPN3	DPN4	PHRF	TIME @ 10NM
Alberg 22	1	100.50	--	100.00	--	--	285	00:45:30
Aloha 8.2	1	91.50	--	--	--	--	214	00:36:30
Bayfield 25	3	98.70	--	98.50	--	--	265	00:43:40
C&C 25	2	91.50	95.00	91.80	90.60	88.10	222	00:36:30
C&C 25 MkII	1	90.50	--	90.80	--	--	217	00:35:30
C&C 27 MkIII	1	86.30	89.40	86.10	84.50	--	184	00:31:20
Cal 25	1	91.20	92.20	92.00	91.10	89.40	224	00:36:10
Catalina 22	3	96.30	98.40	96.30	95.30	95.10	269	00:41:20
Catalina 25	1	93.90	95.60	94.40	93.40	92.00	229	00:38:50
Catalina 27	2	87.40	90.50	88.10	86.10	85.00	209	00:32:20
Catalina 36	1	83.00	83.80	83.30	82.50	--	145	00:28:00
Chrysler 22	2	100.50	102.60	101.60	100.10	97.60	262	00:45:30
CL 16 †	1	--	--	--	--	--	--	--:--:--
Clipper Marine 30	1	101.40	--	101.40	99.40	--	264	00:46:20
Columbia 26	1	98.10	102.30	97.70	96.20	96.00	239	00:43:10
Contessa 32 *	1	85.67	--	--	--	--	184	00:30:40
Diller Schwill 16 †	1	--	--	--	--	--	--	--:--:--
Ericson 25	1	96.20	96.30	96.10	95.70	95.20	236	00:41:10
Ericson 35	1	84.80	--	84.50	83.60	--	179	00:29:50
Fantasia 35 *	1	90.00	--	--	--	--	210	00:35:00
Fireball	1	85.60	87.90	87.10	85.40	82.40	--	00:30:40
Fortune 30 †	1	--	--	--	--	--	--	--:--:--
Frances 26 †	1	--	--	--	--	--	--	--:--:--
Fraser 41 †	1	--	--	--	--	--	--	--:--:--
Grampian 23	3	100.60	102.80	101.00	98.20	--	267	00:45:40
Grampian 26	3	91.50	92.30	91.80	87.80	88.20	223	00:36:30

* This class does not have a posted D-PN; the posted PHRF was converted to D-PN.

** This class does not have a posted D-PN or PHRF; a Schell calculation was used.

† There is not enough information on this class to generate a rating.

CLASS (MODEL)	BOATS	DPN	DPN1	DPN2	DPN3	DPN4	PHRF	TIME @ 10NM
Haida 26 *	1	95.67	--	--	--	--	244	00:40:40
Hinterhoeller 28 *	1	91.83	--	--	--	--	221	00:36:50
Hobie 18	1	71.40	76.80	73.50	69.50	66.80	--	00:16:20
Hobie 18 Magnum	1	71.40	76.80	73.50	69.50	66.80	--	00:16:20
Hughes 35	1	79.30	--	--	--	--	149	00:24:20
Hunter 20 *	1	102.00	--	--	--	--	282	00:47:00
Hunter 32 Vision *	1	83.50	--	--	--	--	171	00:28:30
Kirby 25	8	83.00	84.40	83.10	81.00	79.10	174	00:28:00
Laser 2	2	92.80	95.60	94.60	93.60	88.80	--	00:37:50
MacGregor 19 †	1	--	--	--	--	--	--	--:--:--
MacGregor 26	4	92.60	95.80	92.90	92.10	90.30	220	00:37:40
Mirage 30	1	80.10	--	80.00	78.30	--	166	00:25:10
Niagara 35 **	1	81.83	--	--	--	--	161	00:26:50
Nonsuch 30C	1	84.50	--	--	--	--	181	00:29:30
Nordica 20 **	1	98.33	--	--	--	--	260	00:43:20
O'Day 20	1	101.70	103.40	101.80	--	--	277	00:46:40
Paceship 29 *	1	88.33	--	--	--	--	200	00:33:20
Reinell 26	1	95.00	--	93.00	--	--	240	00:40:00
San Jaun 7.7	1	89.20	89.80	89.60	88.30	87.40	195	00:34:10
Seahawk 24 †	1	--	--	--	--	--	--	--:--:--
Searunner 25 †	1	--	--	--	--	--	--	--:--:--
Shark 24	4	95.20	97.00	95.60	92.80	92.00	228	00:40:10
Siren 17	3	114.10	116.00	114.20	109.40	108.90	--	00:59:10
Sirius 21	2	96.70	--	97.00	--	--	255	00:41:40
Sirius 28	1	85.80	--	85.00	--	--	189	00:30:50
Tanzer 22	2	94.90	96.00	95.50	94.60	92.50	243	00:39:50

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† There is not enough information on this class to generate a rating.

CLASS (MODEL)	BOATS	DPN	DPN1	DPN2	DPN3	DPN4	PHRF	TIME @ 10NM
Tanzer 26	2	91.90	94.80	91.50	89.20	--	216	00:36:50
Tanzer 7.5	1	95.10	96.40	95.90	94.30	93.00	227	00:40:10
Thistle	0	83.00	83.00	83.00	83.00	83.00	123	00:28:00
Thunderbird	1	93.00	--	--	--	--	203	00:38:00
Vega 27	1	95.00	95.50	93.40	--	--	--	00:40:00
Viking 28	1	84.20	86.80	85.60	83.10	82.00	186	00:29:10
Weekender †	1	--	--	--	--	--	--	--:--:--
Windrose 18	1	106.00	107.80	106.80	104.60	--	288	00:51:00
Windward 850 †	1	--	--	--	--	--	--	--:--:--
X-342 *	1	75.50	--	--	--	--	123	00:20:30

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† There is not enough information on this class to generate a rating.