

2010 LSYC Dirty Bottom Series JAM

Race Identifier: Wednesday, 1 September 2010
 Course Distance (nm): 3.86
 Start Time: 19:00:00
 Minimum Fleet Rating: 137

***** Finish Time *****

	Boat	Rating	Actual	Allowance	Corrected
DNC	Windarra (2799)	237	20:42:39	0:06:26	20:36:13
7	Blustery (15820)	206	DNF	0:04:26	#VALUE!
4	Entropy (285)	191	20:18:32	0:03:28	20:15:04
8	True North (3663)	190	DNC	0:03:25	#VALUE!
1	Sand Dollar (31928)	149	20:06:36	0:00:46	20:05:50
5	After You II (10080)	190	20:39:18	0:03:25	20:35:53
3	Kodiak (52068)	153	20:11:18	0:01:02	20:10:16

Race Identifier: Wednesday, 8 September 2010
 Course Distance (nm): 5.03
 Start Time: 18:40:00
 Minimum Fleet Rating: 137

***** Finish Time *****

	Boat	Rating	Actual	Allowance	Corrected
DNC	Windarra (2799)	237	DNF	0:08:23	#VALUE!
4	Blustery (15820)	206	19:48:31	0:05:47	19:42:44
8	Entropy (285)	191	DNC	0:04:32	#VALUE!
8	True North (3663)	190	DNC	0:04:27	#VALUE!
1	Sand Dollar (31928)	149	19:40:01	0:01:00	19:39:01
8	After You II (10080)	190	DNC	0:04:27	#VALUE!
2	Kodiak (52068)	153	19:40:25	0:01:20	19:39:05
3	Realy Outraggeous (31710)	137	19:41:56	0:00:00	19:41:56
2	Realy Outraggeous (31710)	137	20:09:31	0:00:00	20:09:31

Race Identifier: Wednesday, 15 September 2010
 Course Distance (nm): 2.66
 Start Time: 18:45:00
 Minimum Fleet Rating: 137

***** Finish Time *****

	Boat	Rating	Actual	Allowance	Corrected
DNC	Windarra (2799)	237	DNC	0:04:26	#VALUE!
8	Blustery (15820)	206	DNC	0:03:04	#VALUE!
4	Entropy (285)	191	19:28:44	0:02:24	19:26:20
1	Kodiak (52068)	153	19:18:51	0:00:43	19:18:08
2	Sand Dollar (31928)	149	19:19:03	0:00:32	19:18:31
8	True North (3663)	190	DNC	0:02:21	#VALUE!
8	After You II (10080)	190	DNC	0:02:21	#VALUE!
3	Realy Outrageous (31710)	137	19:19:52	0:00:00	19:19:52

Race Identifier: Wednesday, 29 September 2010

Course Distance (nm): 2.66

Start Time: 18:45:00

Minimum Fleet Rating: 137

***** Finish Time *****

	Boat	Rating	Actual	Allowance	Corrected
DNC	Windarra (2799)	237	DNC	0:04:26	#VALUE!
8	Blustery (15820)	206	DNC	0:03:04	#VALUE!
4	Entropy (285)	191	19:28:44	0:02:24	19:26:20
1	Kodiak (52068)	153	19:18:51	0:00:43	19:18:08
2	Sand Dollar (31928)	149	19:19:03	0:00:32	19:18:31
8	True North (3663)	190	DNC	0:02:21	#VALUE!
8	After You II (10080)	190	DNC	0:02:21	#VALUE!
3	Realy Outrageous (31710)	137	19:19:52	0:00:00	19:19:52

Process

1. Collect required information. This information includes:
 - a. Fleet Start Time
 - b. Course Distance in nautical miles
 - c. Actual Finish time of each competitor
 - d. PHRF Ratings of each competitor
2. Determine the minimum PHRF rating. The boat(s) with the lowest rating is/are known as the "Scratch" boat(s).
3. Calculate each boat's Allowance for the course.
 - a. Find the delta between each boat's PHRF rating and the rating of the Scratch boat
 - b. Multiply the delta by the distance in nautical miles. This is each boat's allowance.
4. Enter each boat's actual end time. This information helps to assure each skipper that they've been properly recorded.

5. Deduct the allowance from the actual end time to calculate the corrected end time
6. Sort the list by corrected end time. This is the finish order.

Notes about calculating distances:

A minute of arc at the earth's equator is equal to 1 nautical mile of distance. Hence this is also true along lines of latitude.

You can use dividers to measure distances between points on any chart and then use that chart's latitude scale to determine distance in nm.

You should always measure course distance based on the distance of each navigable leg of the course. On the open lake that distance is simply the distance between buoys. On a distance course that might include land obstructions you should measure based upon the most likely sailed legs in waters deep enough to assume all boats (regardless of draft) can navigate the same legs.

For example sailing from Rocky River to Lorain is not the line-of-sight distance but longer since Avon Point and its shoal must be passed in a leg to the NW around the point and then SW into Lorain.