

April 13, 2016

Dear "Big Boat Owner",

I wrote to you in February outlining my goal for my term as Chief Handicapper to conduct PHRF-NW business in a manner that is responsive, consistent and transparent.

Handicappers Alan Grim, David Lynch and I have prepared a proposal for the Handicapper's Council to consider regarding the ratings of your group of boats. We have compared the results of statistical analysis of the comparison between PHRF-NW and IRC/ORR ratings as well as calculations of race results between these two rating systems the March Center Sound Series and Southern Straits races.

From this, we have outlined suggested ratings that I believe reflect the balance of PHRF-NW desired goal of adhering scientific principles of 'speed potential' and 'observed performance'.

These are available for review at the PHRF-NW website at <http://phrf-nw.org/big-boat-fleet-analysis/>

I invite you to express your comments and questions about your boat either directly to me or your respective club handicapper.

I don't have a firm timeline for this, other than to accomplish this prior to any major upcoming regattas, so please respond accordingly.

Neil Bennett, Chief Handicapper

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BOAT	CLASS	April 23 2013 ratings	Members as of Jan 2016	BBF Proposal May 2015	PHRF-NW Recommend ation	No Change (N/C)
ICON	Perry 66	-99			-96	
NEPTUNE'S CAR	Santa Cruz 70	-84	-78	-75	-75	
CORUBA	Nelson Merek 68	-72			-66	
WESTERLY	Santa Cruz 70	-69	-60		-66	
RAGE	Custom Wylie	-72	-63		-63	N/C
former FLASH	OD48	-51		-42	-45	
former Glory	OD48	-42			-36	
DOUBLE TAKE	J-145	-21			-21	N/C
JEDI	J-145	-21	-21		-21	N/C
ARTEMIS	Andrews 53	-18	-18		-18	N/C
STRIDER	N/M 55	-12			-12	N/C
MARDA GRAS	SC52-1	-12	-9		-9	N/C
Medusa	SC52-2 (tall rig)		-27		-27	N/C
INCANTATION	SC50	3			3	N/C
LAWNDART	SC50	3	0		0	N/C
Surf Rider	SC50		-3		-3	N/C
FREEBYRD	Swan 45	-6			-6	N/C
ABRACADABRA	Farr 40	-6			-6	N/C
GEM	Farr 40	-6			-6	N/C
JAM	J-160	0	0		0	N/C
JYNX	J-160	0			0	N/C
Valkyrie	TP52-1		-78	-84	-84	
BRAVEHEART	TP52-1	-90			-84	
Glory	TP52-5		-99	-90	-90	N/C
Smoke	TP52-5				-90	
CASCADIA	Schumacher 77		-42		-39	
DARK STAR	Riptide 44	-42	-42	-39	-39	
NEW HAVEN	Kerr 46	-9			-9	N/C
STRUM	Riptide 50		-60		-60	N/C
WASABI	Kernan 44	-45			-42	
Casseopia	Cust72		-63		-60	
Hamachi	J125		-3		-3	N/C

### Justification

Move down 3, keep 6 seconds faster than TP52-5 Glory

Retain some difference to Neptune's Car

Data supports 9 seconds slower than Neptune's Car

Move down 6

Maintain relative to Flash due to difference in codes

Rated here due to tall rig and code differences with Marda Gras

6 seconds slower than TP52 Glory

Same as Valkyrie, adjust relative if codes are different

If rejoined

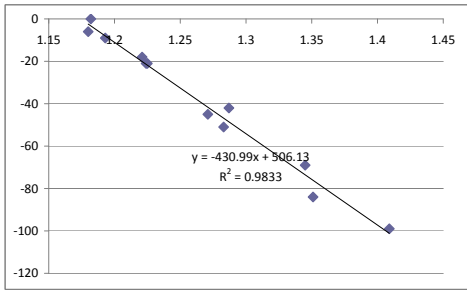
Keep same as Dark Star

?

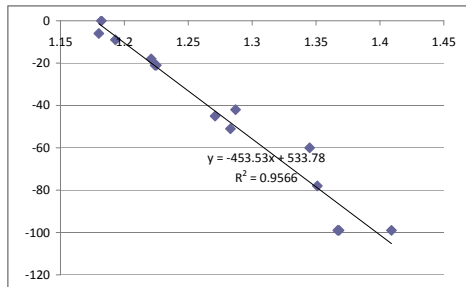
Move with Dark Star

BOAT	CLASS	IRC Rating	2013 ratings	Current PHRF	BBF Proposal May 2015	PHRF-NW Proposal 3/13	PHRF-NW Proposal 3/16
JAM	J-160	1.182	0	0		0	0
FREEBYRD	Swan 45	1.18	-6	-6		-6	-6
NEW HAVEN	Kerr 46	1.193	-9	-9		-9	-9
ARTEMIS	Andrews 53	1.221	-18	-18		-18	-18
JEDI	J-145	1.224	-21	-21		-21	-21
DOUBLE TAKE	J-145	1.225	-21	-21		-21	-21
WASABI	Kernan 44	1.271	-45	-45		-42	-42
former FLASH	OD48	1.283	-51	-51	-42	-45	-45
DARK STAR	Riptide 44	1.287	-42	-42	-39	-39	-39
WESTERLY	Santa Cruz 70	1.345	-69	-60		-60	-66
NEPTUNE'S CAR	Santa Cruz 70	1.351	-84	-78	-75	-75	-75
Glory	TP52-5	1.367	-99	-99	-90	-90	-84
Smoke	TP52-5	1.368	-99	-99		-90	-84
ICON	Perry 66	1.409	-99	-99		-96	-99

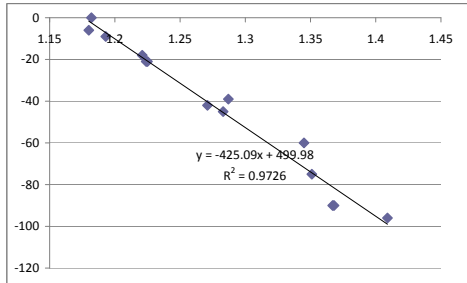
IRC vs 2013 PHRF



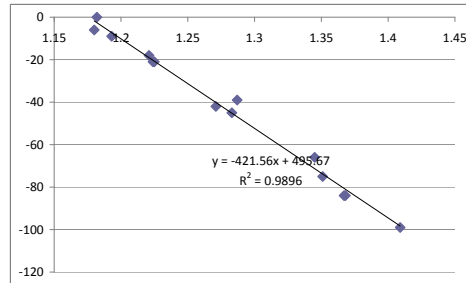
IRC vs Current PHRF



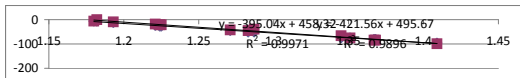
IRC vs 3/13 Proposed Ratings



IRC vs 3/16 Proposed Ratings



BOAT	CLASS	IRC Rating	PHRF-NE =(650/IRC)-557	IRC Converted to PHRF-NW	PHRF-NW Proposal 3/16
JAM	J-160	1.182	-7.1	-6	0
FREEBYRD	Swan 45	1.18	-6.2	-6	-6
NEW HAVEN	Kerr 46	1.193	-12.2	-12	-9
ARTEMIS	Andrews 53	1.221	-24.6	-24	-18
JEDI	J-145	1.224	-26.0	-27	-21
DOUBLE TAKE	J-145	1.225	-26.4	-27	-21
WASABI	Kernan 44	1.271	-45.6	-45	-42
former FLASH	OD48	1.283	-50.4	-51	-45
DARK STAR	Riptide 44	1.287	-51.9	-51	-39
WESTERLY	Santa Cruz 70	1.345	-73.7	-75	-66
NEPTUNE'S CAR	Santa Cruz 70	1.351	-75.9	-75	-75
Glory	TP52-5	1.367	-81.5	-81	-84
Smoke	TP52-5	1.368	-81.9	-81	-84
ICON	Perry 66	1.409	-95.7	-96	-99



## CYC Center Sound Series

### Comparison of Results using IRC and PHRF-NW Handicapping

#### Scatchet Head - 9 Class - 3/12/16

Start: Start 9, Finishes: Finish time, Time: 10.50.00, Distance: 26.1

Distance = 26.1

Boat Name	Boat Type	Sail #	Rating	Skipper	Elapsed Time	Corrected Time	BCE	IRC Place	PHRF-NW Rating	Corrected Time	PHRF Place	Change in Place	BCE	Combined Class 7&9 Place	Combined Class 7&9 BCE
Glory	TP 52	88008	1.367	John Buchan	2:49:49	3:52:08	0:00:00	1	-99	3:32:53	1	0	0:00:00	2	0:01:18
Smoke	TP 52	52005	1.368	Steve Travis	2:59:38	4:05:44	0:13:36	2	-99	3:42:42	4	-2	0:09:49	10	0:11:07
Neptune's Car	Santa Cruz 70	60667	1.351	Paul LaMarche	3:06:53	4:12:29	0:20:21	3	-78	3:40:49	3	0	0:07:56	8	0:09:14
JAM	J/160	18	1.182	John McPhail	3:35:30	4:14:43	0:22:35	4	0	3:35:30	2	2	0:02:37	6	0:03:55
Double Take	J/145	56203	1.225	Tom Huseby	3:35:58	4:24:34	0:32:26	5	-21	3:45:06	5	0	0:12:13	11	0:13:13
New Haven	Ker 46	4601L	1.194	John Kerrigan	3:41:48	4:24:50	0:32:42	6	-9	3:45:43	6	0	0:12:50	12	0:14:08
Crossfire	R/P 55	55155	1.422	Lou Bianco	3:06:53	4:25:45	0:33:37	7	-108	3:53:52	7	0	0:20:59	14	0:22:17
Jedi	J/145	3696	1.224	John Tenneson	3:48:40	4:39:53	0:47:45	8	-21	3:57:48	8	0	0:24:55	15	0:26:13

Provisional rating

#### Scatchet Head - 7 Class - 3/12/16

Start: Start 7, Finishes: Finish time, Time: 10.40.00, Distance: 26.1

Distance = 26.1

Boat Name	Boat Type	Sail #	Skipper	Elapsed	Distance =	Corrected	Place	BCE	Combined Class 7&9 Place	Combined Class 7&9 BCE
Absolutely	Farr 39 ML	3909	Charlie Macaulay	3:39.25	Rating	3:31:35	1	0.00.00	1	0:00:00
Terremoto	Riptide 35	59902	Bill Weinstein	3:48.15	18	3:35:12	2	0.03.37	3	0:03:37
Ace	Farr 395	39506	Shorett Burzycki	3:52.19	30	3:35:21	3	0.03.46	4	0:03:46
Madrona	Custom 40	79067	Carl Buchan	3:43.16	39	3:35:26	4	0.03.51	5	0:03:51
Joyride	J/122E	89		3:57.22	18	3:39:06	5	0.07.31	7	0:07:31
Constellation	J/133	52529	Ron Holbrook	3:53.05	42	3:42:39	6	0.11.03	9	0:11:04
Grace	J/122	29	Andy Mack	4:10.32	24	3:53:34	7	0.21.59	13	0:21:59

Tables below contain recalculations of the results using modified ratings for some boats, as noted:

#### Scatchet Head - 9 Class - 3/12/16

Start: Start 9, Finishes: Finish time, Time: 10.50.00, Distance: 26.1

Distance = 26.1

Boat Name	Boat Type	Sail #	Rating	Skipper	Finish	Elapsed	Corrected	BCE	IRC Place	PHRF Rating	Corrected Time	PHRF Place	Change in Place	BCE	Combined Class 7&9 Place	Combined Class 7&9 BCE
Glory	TP 52	88008	1.367	John Buchan	13:39.49	2:49:49	3:52:08	0:00:00	1	-84	3:26:21	1	0	0:00:00	1	0:00:00
Smoke	TP 52	52005	1.368	Steve Travis	13:49.38	2:59:38	4:05:44	0:13:36	2	-84	3:36:10	3	-1	0:09:49	7	0:09:49
Neptune's Car	Santa Cruz 70	60667	1.351	Paul LaMarche	13:56.53	3:06:53	4:12:29	0:20:21	3	-75	3:39:30	4	-1	0:13:09	9	0:13:09
JAM	J/160	18	1.182	John McPhail	14:25.30	3:35:30	4:14:43	0:22:35	4	0	3:35:30	2	2	0:09:09	6	0:09:09
Double Take	J/145	56203	1.225	Tom Huseby	14:25.58	3:35:58	4:24:34	0:32:26	5	-21	3:45:06	5	0	0:18:45	11	0:18:45
New Haven	Ker 46	4601L	1.194	John Kerrigan	14:31.48	3:41:48	4:24:50	0:32:42	6	-9	3:45:43	6	0	0:19:22	12	0:19:22
Crossfire	R/P 55	55155	1.422	Lou Bianco	13:56.53	3:06:53	4:25:45	0:33:37	7	-102	3:51:15	7	0	0:24:54	13	0:24:54
Jedi	J/145	3696	1.224	John Tenneson	14:38.40	3:48:40	4:39:53	0:47:45	8	-21	3:57:48	8	0	0:31:27	15	0:31:27

Suggested Rating

#### Scatchet Head - 7 Class - 3/12/16

Start: Start 7, Finishes: Finish time, Time: 10.40.00, Distance: 26.1

Distance = 26.1

Boat Name	Boat Type	Sail #	Skipper	Finish	Elapsed	Rating	Corrected	Place	BCE	Combined Class 7&9 Place	Combined Class 7&9 BCE
Absolutely	Farr 39 ML	3909	Charlie Macaulay	14:19.25	3:39.25	18	3:31:35	1	0.00.00	2	0:05:14
Terremoto	Riptide 35	59902	Bill Weinstein	14:28.15	3:48.15	30	3:35:12	2	0.03.37	3	0:08:51
Ace	Farr 395	39506	Shorett Burzycki	14:32.19	3:52.19	39	3:35:21	3	0.03.46	4	0:09:00
Madrona	Custom 40	79067	Carl Buchan	14:23.16	3:43.16	18	3:35:26	4	0.03.51	5	0:09:05
Joyride	J/122E	89		14:37.22	3:57.22	42	3:39:06	5	0.07.31	8	0:12:45
Constellation	J/133	52529	Ron Holbrook	14:33.05	3:53.05	24	3:42:39	6	0.11.03	10	0:16:18
Grace	J/122	29	Andy Mack	14:50.32	4:10.32	39	3:53:34	7	0.21.59	14	0:27:13

**Southern Straits 2016**  
**Long Course - March 25-27, 2016**

Start Time: 10:30:00

Distance: 138

Initial Rank	Boat	Type	Sail	Club	Skipper	PHRF-BC Rating	Elapsed	Corrected
1	Neptune's Car	Santa Cruz 70	60667	CYC Seattle	Paul LaMarche	-78	27:55:02	30:54:26
2	Valkyrie	TP52	USA 52	RVYC/WVYC	RKR Racing LLC	-83	27:46:08	30:57:02
3	Kinetic V	TP52	CAN 52	RVYC/WVYC	David Sutcliffe	-81	30:11:22	33:17:40
4	JAM	J/160	18	Gig Harbor YC	John McPhail	0	33:31:51	33:31:51
5	Ha a' Koa	1D48	USA 48006	WVYC	Doug Fulcher	-45	32:18:59	34:02:29
6	STRAIT MARINE	Farr 40	CAN 95	RVYC	Jim Allan	-12	34:04:24	34:32:00
7	Westerly	Santa Cruz 70	18997	RVic YC	Stuart & Joy Dahlgren	-66	32:12:57	34:44:45
8	Marda Gras	Santa Cruz 52	28852	SYC	Marda Phelps	-9	RET	

Change in Rating

Initial Rank	Boat	Type	Sail	Club	Skipper	PHRF-NW Rating (Option 1)	Time Correction	Corrected Time	New Rank
1	Neptune's Car	Santa Cruz 70	60667	CYC Seattle	Paul LaMarche	-75	2:52:30	30:47:32	1
2	Valkyrie	TP52	USA 52	RVYC/WVYC	RKR Racing LLC	-84	3:13:12	30:59:20	2
3	Kinetic V	TP52	CAN 52	RVYC/WVYC	David Sutcliffe	-84	3:13:12	33:24:34	3
4	JAM	J/160	18	Gig Harbor YC	John McPhail	0	0:00:00	33:31:51	4
5	Ha a' Koa	1D48	USA 48006	WVYC	Doug Fulcher	-45	1:43:30	34:02:29	5
6	STRAIT MARINE	Farr 40	CAN 95	RVYC	Jim Allan	-12	0:27:36	34:32:00	6
7	Westerly	Santa Cruz 70	18997	RVic YC	Stuart & Joy Dahlgren	-66	2:31:48	34:44:45	7
8	Marda Gras	Santa Cruz 52	28852	SYC	Marda Phelps	-9	0:20:42	RET	8

Change in Rating

Initial Rank	Boat	Type	Sail	Club	Skipper	PHRF-NW Rating (Option 2)	Time Correction	Corrected Time	New Rank
1	Neptune's Car	Santa Cruz 70	60667	CYC Seattle	Paul LaMarche	-78	2:59:24	30:54:26	1
2	Valkyrie	TP52	USA 52	RVYC/WVYC	RKR Racing LLC	-90	3:27:00	31:13:08	2
3	Kinetic V	TP52	CAN 52	RVYC/WVYC	David Sutcliffe	-90	3:27:00	33:38:22	4
4	JAM	J/160	18	Gig Harbor YC	John McPhail	0	0:00:00	33:31:51	3
5	Ha a' Koa	1D48	USA 48006	WVYC	Doug Fulcher	-45	1:43:30	34:02:29	5
6	STRAIT MARINE	Farr 40	CAN 95	RVYC	Jim Allan	-12	0:27:36	34:32:00	6
7	Westerly	Santa Cruz 70	18997	RVic YC	Stuart & Joy Dahlgren	-69	2:38:42	34:51:39	7
8	Marda Gras	Santa Cruz 52	28852	SYC	Marda Phelps	-9	0:20:42	RET	8