

**PERFORMANCE HANDICAP RACING FLEET OF SOUTHERN CALIFORNIA
AUGUST 16, 2022
TELECONFERENCE**

**Regional Board Meeting Agenda
6:00 PM (Open to All Members in Good Standing)
Regional Board – Rating of Boats
7:00 PM (List of Boats to Follow)**

Regional Board Meeting - In Attendance:

REGIONAL BOARD MEMBERS – VOTING MEMBERS

• **Executive Board**

- | | |
|---------------------|-----------------------|
| ○ President | Dan Rossen |
| ○ Vice President | Paul Katz |
| ○ Judge Advocate | Lisa Gilinger |
| ○ Treasurer | Bob Hubbard |
| ○ Chief Handicapper | David Cattle |
| ○ Data Systems Mgr. | Sue Griesbach |
| ○ Vice Handicapper | John Staff |

• **Area Board Representatives**

- | | |
|---------------------------------|-------------------------|
| ○ Area A- Venture/Oxnard | [Vacant] |
| ○ Area B - MdR/KH | Daniel Murphy |
| ○ Area C - LB/LA | [Vacant] |
| ○ Area D - Newport Beach | Jeff Tighe |
| ○ Area E/F-Dana Point/Oceanside | Bob Langan |
| ○ Area G - San Diego | Ivan Batanov |
| ○ Area I - Santa Barbara | Lisa Gilinger |

NON-VOTING ATTENDEES:

• **Advisors/Administration**

- | | |
|---------------------|-------------------------|
| ○ Fleet Secretary | Karen Campbell |
| ○ Newsletter Editor | Paul Katz |
| ⊖ Handicap Advisor | Robert Plant |
| ○ Big Boat | Bruce Cooper |
| ○ Cruiser | Bryan Dair |
| ○ Sport Boat | John Staff |
| ○ Advisor at Large | Jamie Myer |

• **GUESTS**

- Dan Schiff
- Dan Avine
- Paul Gadbois

- **NOTE: NOT IN ATTENDANCE**

Via Teleconference:

- Please join the SoCal PHRF Meeting from your computer, tablet or smartphone by going to

- Computer or Laptop -
<https://zoom.us/j/94703994956?pwd=VHhldWNPVnpBL1k5SVFOTTRPK1RCZz09>
Meeting ID: 947 0399 4956
Password: 928267
- One tap mobile - Dial by your location
 - +1 669 900 9128 US (San Jose)
 - +1 253 215 8782 US (Tacoma)
 - +1 346 248 7799 US (Houston)
 - +1 312 626 6799 US (Chicago)
 - +1 646 558 8656 US (New York)
 - +1 301 715 8592 US (Germantown)Meeting ID: 947 0399 4956
Password: 928267

President's Report: (Not in attendance)

- No Report

Vice President's Report:

- Sailing in Marina del Rey is going well

Treasurer's Report:

- Monthly Report –
 - Continuing to Staying in the Black!
 - Membership is up by 27 from this time last year at 585
 - No out of ordinary expenses

Judge Advocate's Report:

- Discussion regarding maximum headsail size
 - Maximum headsail size on certificate, rules or understanding
 - To be discussed along with Formulas and the new design of the rating certificate

Data Systems Report:

- Found online form was out of date
- Data Status
 - We have good defenses against hackers
 - We have been defending ourself against hackers
- Working on proto type for 2023's Rating Certificate
- Working on formulas and tables

Fleet Secretary's Report:

- See report re PHRF Champs below

Old Business

- PHRF SoCal Championships
 - Finalize date(s) with CBYC and other open issues
 - Sent reminder earlier this week
 - Follow up for next meeting

- Configuration Adjustments – 2023 (See attached information)
 - Discussion revising the allowed amount awarded
 - To be added to the September Agenda
- Formulas
 - Discussed headsail and main sail areas and types (see attached information)
 - To be discussed at September meeting
- September meeting will not include boats with Temporary Ratings, only rating reviews or boats without ratings to finalize:
 - Formulas (headsails and mains)
 - Headsail issues regarding rating small sails and larger sails

AREA REPORT

- AREA A:** [Vacant]
AREA B: Daniel Murphy
 - No Report**AREA C:** [Vacant]
AREA D: Jeff Tighe (Not in attendance)
 - No Report**AREA E/F:** Bob Langan
 - No Report**AREA G:** Ivan Batanov (Not in attendance)
 - No Report**AREA I:** Lisa Gilinger
 - No Report

ADVISORS:

- Handicap Advisor:** Robert Plant
Sports Boat: John Staff
Multihull:
Cruiser: Bryan Dair
Big Boat/Ullman Sails: Bruce Cooper
Advisor At Large Jamie Myer

CHIEF HANDICAPPER'S REPORT:

- Discussion regarding:

PURSUANT TO PHRF SOCAL RULE 4.2c, THE FIRST AND SECOND READINGS MAY BE PERFORMED AT THE SAME MEETING OF THE REGIONAL BOARD

BOATS: 7 DAY OPPOSITION PERIOD The following boats had their first reading during the previous Regional Board meeting and passed the 7 Day Opposition Period ***PLEASE NOTE THE FOLLOWING:***

NO BOATS REVIEWED LAST MONTH

(see next page)

AGENDA OF BOATS FOR REVIEW:

BEGINNING AT 7:00PM

- **PERSEVERANCE (97477M) – INITIAL RATING REVIEW**
Steve Schiff (Not in attendance)/Dan Schiff (In attendance)
(Rec'd 4/6/22)
4/18/22 – temp rating /134/134/134/
 - **8/16/22 – 1ST MOTION BY J STAFF/2ND BY D MURPHY FOR /134/134/134/ APPROVED**
- **ANGRY RED PLANET (87514) CAPRI 25 (TALL) – INITIAL RATING REVIEW & OPPOSITION**
Dan Avine (In attendance)
Paul Gabois (In attendance - opposition)
(Rec'd 3.6.22)
3/18/22 – temp /167/167/169/ (tall rig)
 - 8/16/22 – Owner to confirm all measurements and correct as needed
 - Owner has 30 days to confirm all measurements
 - Regional Board instructs Chief Handicapper to produce correct measurements within 30 days
 - **8/16/22 – CHIEF HANDICAPPER REVISED TEMP RATING OF /162/162/162/ PENDING ACCURATE MEASUREMENTS WITHIN 30 DAYS INCLUDING RUDDER AND KEEL TO FLEET ADMINISTRATOR**
- **COQUILLE (1211-A) FARR 40M – INITIAL RATING REVIEW**
Gary Ezor (Not in attendance)
(Rec'd 11/29/21)
1/5/2022 – Temp rating /-2/-6/-10/
4/19/2022 – TABLE for results
 - **8/16/22 – 1ST MOTION BY J STAFF /-2/-6/-10/ 2ND BY L GILINGER/APPROVED**
- **NPT41S (Newport 41S) FLEET– RATING REVIEW**
Requested by Frank Grijalva –
SHOCKWAVE (8391) (Not in attendance)
Current - /108/102/102/
Req RLC /112/ and OWC /112/
 - **8/16/22 – 1ST MOTION BY J STAFF/ 108/108/108/ 2ND BY D CATTLE/APPROVED**
- **QUIET MOMENTS (15983) – VISMARA50 – INITIAL RATING REVIEW**
Michael Schau (Not in attendance)
(Rec'd 12/28/2021)
1/5/22 – temp rating /-30/-30/-30/
4/18/22 – Owner requested POSTPONEMENT
 - **8/16/22 – 1ST MOTION BY J STAFF/-30/-30/-30/ B LANGAN 2ND/PASSED**

- **JAVELIN (7304) – J9 – INITIAL RATING REVIEW**
Patrick Nolan (Not in attendance)
(Rec'd 8/26/21)
9/23/2021 – Temp rating /120/117/111/
3/15/22 Tabled
8/16/22 - Tabled
- **SUNDANCE (46412) – GRDSOL44 – INITIAL RATING REVIEW**
(Rec'd 7/21/21)
7/29/21 – Temp rating /36/30/27/
 - 2/15/22 – tabled for race results
 - **8/16/22 – 1ST MOTION BY D CATTLE /33/27/24/2ND BY J STAFF/PASSED**
- **MADISON 3 (57011) – HUNTER41 DECK SALON MOD – INITIAL RATING REVIEW**
Patrick Madison (Not in attendance)
(Rec'd 1/28/22)
2/7/2022 – Temp /113/101/104/
8/16/22 – Tabled for race results
- **MERLIN (USA61475) – J99 – INITIAL RATING REVIEW**
Stephen McMillan (Not in attendance)
(Rec'd 5/26/21)
6/1/21 – Owner has requested a temporary rating
6/18/21 – Temp rating / 75/63/57/
1/5/22 – Owner added Code 55 – no change to temp
8/16/22 – 1ST MOTION J STAFF/75/63/57/ 2ND S GILINGER/PASSED
- **ALL BOATS REQUESTING A RATING REVIEW OR HAVE HAD A TEMPORARY RATING ISSUED:**
 - *Prior to being considered for scheduling a boat for any Rating Review, all owners must first forward to Fleet Secretary via email (available online):*
 - *A formal Request for Rating Review properly completed*
 - *New Application or*
 - *Those that had a Temporary Rating issued, please follow the procedures required for “Requesting for Rating Review”*
 - *Request for Rating Review*
 - *Please refer to the following [Appeal Your Rating | Performance Handicap Racing Fleet of Southern California \(phrfsocal.org\)](https://www.phrfsocal.org)*
 - *Email all documentation to fleetoffice@phrfsocal.org*
 - *After being Scheduled and Prior to your Reading by email to fleetoffice@phrfsocal.org – **NO LATER THAN - Friday Prior to Scheduled Meeting***
 - *Updated information:*
 - *All race results*

- *Actual and Adjusted Results using the online spreadsheet found on website at <http://phrfsocal.org/rating-review/> “Rating Review Worksheet”*
 - *Any additional information that has been previously requested and/or useful for the rating process (photos, ORR certificates, etc.)*
- **TIME ALLOTTED FOR OWNER(S) PRESENTATION:**
 - *Introductions – Regional Board and Owners/Witnesses in attendance*
 - *3 Minutes – Chief Handicapper and/or relevant Boat Advisor*
 - *5 Minutes – Owner Presentation*
 - *3 Minutes each for up to three (3) other boat owners remarks In Support (3 to 9 minutes max)*
 - *3 Minutes each for up to three (3) other boat owners remarks In Opposition (3 to 9 minutes max)*
 - *1 Minute – Owner rebuttal*
- **PURSUANT TO PHRF SOCAL RULE 4.2c, THERE IS A 7 DAY OPPOSITION PERIOD FOR OBJECTIONS AFTER THE PRIOR REGIONAL BOARD MEETING MINUTES HAVE BEEN POSTED.**
- **PLEASE NOTE:** Group assignments and hearing times are established to encourage the orderly progress of a meeting. A boat may, however, be called prior to or after its assigned Group time unless a boat owner, representative or other interested party has contacted the Fleet Secretary to confirm their estimated arrival time at the hearing. Interested parties are therefore encouraged to arrive early or contact the Fleet Secretary at least one day prior to the meeting to confirm their arrival time.

PLEASE JOIN THE DISCUSSION ON ZOOM (SEE ABOVE FOR ADDITIONAL INFORMATION).

Meeting Adjourned: 9:30

Next Meeting:

REGIONAL BOARD MEETING

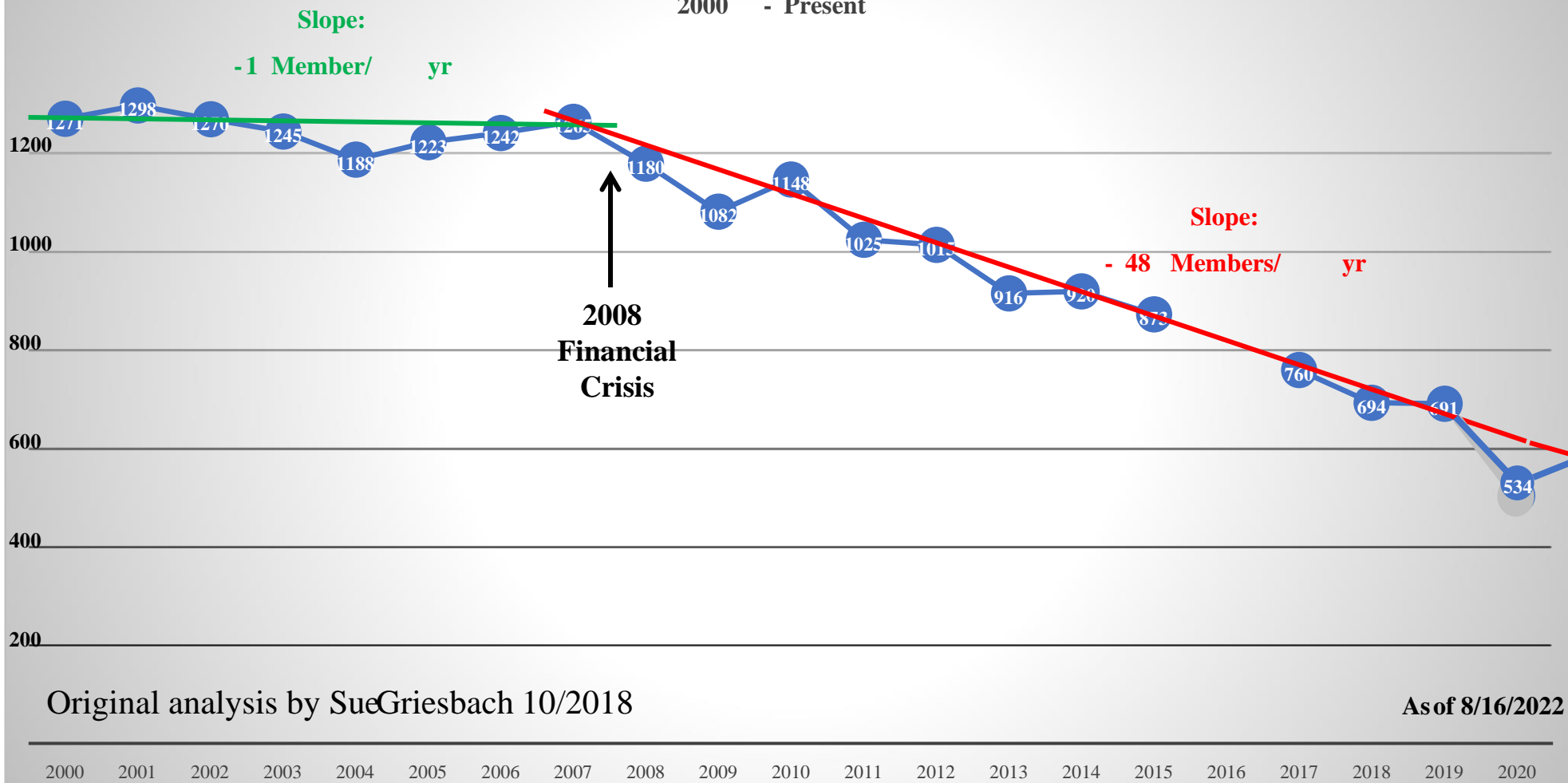
Next Scheduled Meeting: Tuesday, September 20, 2022

Location: CONFERENCE CALL UNTIL FURTHER NOTICE

Members
hip

PHRF Social Membership

2000 - Present



Original analysis by SueGriesbach 10/2018

As of 8/16/2022

History of Corinthian/Configuration Adjustment Shortcomings

Phase 1 – Corinthian (2017-18)

Easily gamed

Very generous

Provided some support for mixing of pure racing boats with suboptimal boats

Phase 2 – Configuration (2019-22)

Unintended consequences: What's in Base Rating already is not always clear, double dipping

Requires judgement on who “deserves” one (when does a “cruiser” graduate to “racer”?)

Potential for inconsistencies (e.g., identical C42's have different ratings)

True Gaming of the system is limited in that adjustments granted are for actual shortcomings

Phase 3 – Configuration MK II (2023-?) or Eliminate? ...next page

Phase 3 – Configuration MK II (2023-?) or Eliminate?

Don't try to level playing field, but do reduce the tilt for suboptimal boats

- > Fewer adjustments and partial corrections for suboptimal factors > There is still an incentive to upgrade the boat, just a smaller one
- > Eliminate judgement factor on who is eligible – it's about the boat
- > No time limit to “grow” out of the system – it's still about the boat
- > No inconsistencies, no judgement on eligibility (who is deserving), less PHRF work
- > Gives more hope to suboptimal boats, including those new to sport > Reduced double dipping and gaming of the system
- > Is the primary reason for requiring a renewal after X years to force the owner to enter any changes?
- > Can always add to the correction allowances from a “safer” base

> *Bring back a pure cruising class with guidelines?*

Problems?

> What has already been included in base rating, e.g., in-mast furling? (Labor intensive to determine)

Possible Corrections for Phase III

<u>Category</u>	<u>Current</u>	<u>Future</u>
Fixed Prop	+4, +9 sec	No Change
Anchor Chain	+1, +2	Eliminate
Sail Fabric	+2	+1
Roller Furling	+3	Eliminate
In-mast furling, no battens	+6	+5
In-mast furling, battens	+5	+4
<u>Genoa Size (ref 155)</u>	<u>+3, +6</u>	<u>Eliminate or +2, +4</u>
Max Correction	+28	+19
PF Limitation Phase-out	1.75<PF<2.0	No Change

Formula Fields Description

Traditional Hull Speed

Dave Gerr Hull Speed

Main SA

Jib SA

Sym Spin SA (Currently in Database)

Asym Spin SA (Currently in Database)

Up Wind SA

Down Wind SA

Displacement Length (LWL) Ratio (DLR)

Sail Area Displacement Up Wind (SAD-Up)

Sail Area Displacement Down Wind (SAD-Down)

Sail Area to Displacement W/L (SAD-W/L)

S# up Wind

S# Down Wind

S# W/L

PHRF Performance Factor

Modified PF Upwind

Modified PF Downwind

Formula

$$=1.34*\text{SQRT}(\text{LWL})$$

$$\text{DG Hull Speed} = 8.26 / ((\text{Displacement} / \text{LWL})^{0.311}) * \text{SQRT}(\text{LWL})$$

$$\text{Main SA} = (\text{Furling Main}) * P * E^{0.5} \text{ or } (\text{Pinhead}) * P * E^{0.59} \text{ or } (\text{Square top}) * (P * \text{TW}) + (P * (\text{E} - \text{TW})^{0.59})$$

$$\text{Jib SA} = I * J / 2 *$$

$$\text{Head Sail Size} / 100 \text{ or } (I * \text{LP}) / 2 \text{ or } (I * J) / 2 * (\text{LP} * .01) \text{ or } \text{Sqrt} (I \text{ squared} + J \text{ squared}) * \text{LP} / 2$$

$$\text{SymSpin SA} = \text{SL} * (0.5 * \text{SF} + 2 * \text{SMW}) / 3$$

$$\text{AsymSpin SA} = (0.5 * \text{ALU} + 0.5 * \text{ALE}) * (0.5 * \text{ASF} + 2 * \text{AMG}) / 3$$

$$\text{Upwind SA} = \text{Main SA} + \text{Jib SA}$$

$$\text{Downwind SA} = \text{Main SA} + \text{Max}(\text{Jib SA}, \text{SymSpin SA}, \text{AsymSpin SA})$$

$$\text{DLR} = (\text{Displacement} / 2240) / (\text{LWL} / 100)^3$$

$$\text{SAD-Up} = (\text{Main SA} + \text{Jib SA}) / (\text{Displacement} / 64)^{(2/3)}$$

$$\text{SAD-Dwn} = (\text{Main SA} + (\text{MAX}(\text{Jib SA}, \text{SymSpin SA}, \text{AsymSpin SA}))) / (\text{Displacement} / 64)^{(2/3)}$$

$$\text{SAD-W/L} = \text{Average} (\text{SAD-Up}: \text{SAD-Dwn})$$

$$\text{S\#-Up} = 3.972 * 10^{(-\text{DLR} / 526 + 0.691 * (\text{LOG}(\text{SAD-Up}) - 1)^{0.8})}$$

$$\text{S\#-Down} = 3.972 * 10^{(-\text{DLR} / 526 + 0.691 * (\text{LOG}(\text{SAD-Dwn}) - 1)^{0.8})}$$

$$\text{S\#-W/L} = \text{AVERAGE} (\text{S\#-Up}: \text{S\#-Down})$$

$$\text{PF} = [((0.67 * \text{LWL}) + (0.34 * \text{LOA})) * (((\text{SPL} * \text{ISP}) + (P * E)) / 2) / \text{Displacement}] \text{ or } [((0.67 * \text{LWL}) + (0.34 * \text{LOA})) * ((I * J) + (P * E)) / 2] / \text{Displacement} \text{ when } \text{SPL} = 0 \text{ or null}$$

$$\text{TSA-Upwind} = ((0.66 * \text{LWL}) + (0.34 * \text{LOA})) * (\text{upwind SA}) / \text{Displacement}$$

$$\text{TSA-Downwind} = ((0.66 * \text{LWL}) + (0.34 * \text{LOA})) * (\text{Downwind SA}) / \text{Displacement}$$

Modified PF W/L
ULDB Status

$$\text{TSA-W/L} = ((0.66 * \text{LWL}) + (0.34 * \text{LOA})) * ((\text{upwind SA} + \text{Downwind SA}) / 2) / \text{Displacement}$$

When PF > 2.1

