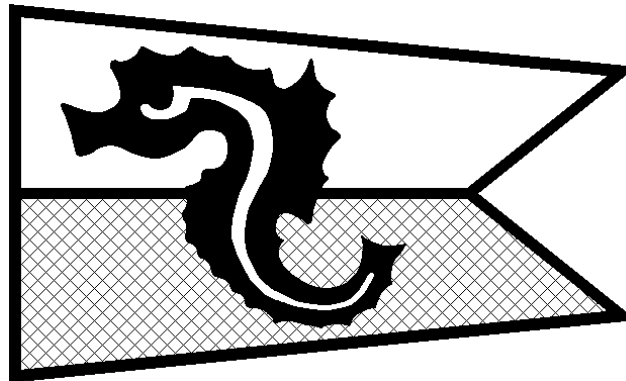


PACIFIC HANDICAP RACING FLEET OF THE NORTHWEST 2017

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PACIFIC HANDICAP RACING FLEET OF THE NORTHWEST 2017

PAST PRESIDENTS

Tom Wheeler - 1966-67
Doug Fryer - 1968-69
Robert Street - 1970
Russell Schulke - 1971
Walt Patterson - 1972
Loren Hole - 1973-74
Henry Preusser - 1975-76
Jack Voll - 1977-78-79
Ron Waude - 1980-81
Robert Smith - 1982-83
George Mason - 1984-85
David Blakemore - 1986-87

Barb Moi - 1988-89
TK Wegg - 1990-91
Peter M Davis - 1992-93
Larry D Reiersen - 1994-95
William F. Lenihan - 1996-97
James B. (Jim) Moren – 1998
William A.H. (Bill) Allan – 1999-03
Dave Schutte 2003-04
George Lefler 2005-06
David Lynch 2007-13



ORGANIZED 1966
Seattle, Washington

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MESSAGE TO PHRF-NW MEMBERSHIP FROM THE PRESIDENT

To all PHRF NW Members,

I want to thank you for your continuing support of PHRF NW and in racing in the Northwest in general. As an organization, we are making strides to make more information available to the racers, open a better line of dialogue between our members and the organization, and be much more available to respond to questions and comments from the racing community.

We want there to be open dialogue between the racers and the the Handicappers, because without this, we cannot meet our mission of promoting sailing and maintain an equitable system for handicapping. I am willing to bet that each of you knows at least one of our handicappers or Directors, and I would ask that you make contact with them and give us your input. Again, this is YOUR organization.

As a Board, we have begun to make changes that will allow for more information to be shared on line, something we expect to have out to our members this year. We have also made a commitment to reach out and be proactive in communicating with our members. Finally, we have made changes to how we operate as a Board in the hope that this will provide more flexibility to those all around the NW District and promote more interaction on every level.

Again, make contact with your representatives to PHRF NW and ask them what is happening, tell them what you want to see improved, and support their effort. If at any time you wish to contact me directly with questions or comments, please do so.

Hope to see you on the course in 2017.

Eric Nelson
CYCT
"Gardyloo"

MESSAGE TO PHRF-NW MEMBERSHIP FROM THE CHIEF HANDICAPPER

Last year my goal as Chief Handicapper was to establish a standard of 'responsiveness, consistency and transparency' for all PHRF – NW interactions and communications, intending to serve our members with the 'what, how, when and why' of every decision either an individual handicapper for the handicappers council makes. I give ourselves a 'hearty slap on the back' and admonition to keep on trying'. This is not acceptance that we did or did not accomplish this goal; simply that it is a goal set to a very high standard.

As published on the PHRF-NW website the ratings of the 'Big Boat Fleet' were normalized and we saw good participation in various regattas throughout the year. Each of these boats has been assigned a T rating to allow us to monitor the observed performance of these members, just as we would monitor the observed performance of any member. I have asked all handicappers to review the boats for which they are responsible to ensure that each and every boat has a fair and accurate rating, free of typos and other incidental errors. We will be comparing ratings of boats throughout the upcoming season as we start to see the on the water results of our calculations. Our work ethic emphasis this year is 'accountability'.

I told you all last year when I accepted this position that it was in memory of Pat Nelson. I think that Pat would say to us, 'keep up the good work, but keep working hard'. So, we will. I asked you last year tell us how you thought we were doing and I ask you to do that again this year...

Yours for fair and equitable ratings,

Neil Bennett

PHRF Chief Handicapper

Bellingham Yacht Club

Garufa, SN 51697 Freedom 32, Pink

Boat Regatta - Bellingham Bay 2014



CHAPTER I

GENERAL INFORMATION PACIFIC HANDICAP RACING FLEET OF THE NORTHWEST 2017

A. MAILING ADDRESS:

PHRF NORTHWEST
PO BOX 489
GIG HARBOR, WASHINGTON 98335

Phone (253) 857-8858
Fax (425) 962-8729
EMAIL: phrfnw@gmail.com
www.phrf-nw.org

Please note, changes to the PHRF NW protocol or rules will be italicized in the member handbook for one year. Changes that occur in between handbook publications will be posted on the PHRF NW website in "what's new".

B. HOW TO JOIN PHRF-NW:

1. Obtain Application and Rating Form (A/R) Form from your local Handicapper, Yacht Club, or the PHRF-NW website and fill in the requested data. Processing may take up to 2 weeks, once received.
2. Submit a check for the Annual Dues at time of application to the above address, or prepay online at www.phrf-nw.org. Do not pay your handicapper directly; membership must be paid before the handicapper will process your application.
3. Mail 1 copy of the completed A/R Form (or one electronic copy), with proof of payment, to your local Handicapper. If you can't locate a handicapper, submit the A/R to the business address.
4. An owner officially becomes a member of PHRF-NW and his rating becomes fully valid when the dues are received and when the forms have been properly completed by the member and his local Handicapper and are forwarded on to the PHRF-NW Business Manager for processing.
5. Incomplete forms, including missing boat data, received by PHRF-NW or by its Handicappers shall be returned to the applicant for completion before a rating is issued.
6. You may belong to PHRF-NW and be eligible for a PHRF-NW rating without also being a member of a Yacht Club.
7. Membership to PHRF-NW is achieved on an annual basis, by paying the Annual Dues.

C. EXCHANGE OF OLD BOAT FOR NEW BOAT; OR USED BOAT NEWLY ACQUIRED:

1. Properly complete a NEW A/R Form.
2. List sail number and name of old boat.
3. Send to your local Handicapper.
4. If you have paid dues for current year, don't pay again.

D. ANNUAL DUES:

- 1.* For all 2017 members, \$55.00. payable in US. Funds only. A late renewal fee of \$5.00 is assessed for additional costs incurred when a renewing member pays after December 31st. Pay online options are available at www.phrf-nw.org. The annual handbook will be downloadable free online, or a printed copy of the handbook can be purchased for \$10.00 online.
2. If renewing, list sail number and name of boat.
3. For new members, Annual Dues, or proof of payment is to accompany the completed A/R form.
4. For new members joining after November 15th, dues will be credited to the next season.
5. An annual PHRF-NW handicap rating applies and is valid for the boat described in a rating certificate that is owned or chartered by the member. If a member wants to race two or more boats during a year, a separate rating certificate and Annual dues must be paid for each boat.
6. Effective January 1, 1996, all Handicappers, including those appointed for research or special projects, shall be members of PHRF-NW. PHRF-NW may extend honorary membership to Handicappers who do not own a boat.
7. Associate Membership is available to sail makers and other interested fleets outside (US Sailing) PHRF Area H. The annual dues for an Associate membership are \$70.00 US Funds.
8. Both PHRF-NW members and non-members may obtain a rating for unrated, owned or chartered boats for use in an event for which the sponsoring yacht club has limited entries to boats with current valid PHRF-NW handicap ratings.
9. Renewals; A member may only renew his or her membership for boats which were active PHRF NW members within the previous 2 year membership period. If membership has lapsed for three years or more, the member must reapply for rating and membership as outlined in Section B above.

*SUBJECT TO CHANGE

E. BOATS NOT ELIGIBLE FOR PHRF-NW ARE:

1. LOA less than 18 feet.
2. Centerboard monohulls with no ballast for self-righting.

F. CERTIFICATES:

1. All current paid members of PHRF-NW will be mailed a Certificate when dues for the year are paid. We are unable to email original certificates.
2. This Certificate is to be kept on the boat at all times.
3. Alterations to the boat or rig may affect the handicap and could result in disqualification from races.
4. Changes to any information concerning a member's boat must be supplied to the local Handicapper.
 - a. Upon notification of any changes the local Handicapper will complete all the necessary paperwork and forward it on to the Business Manager in a timely manner.
 - b. At such time the change information is received and processed, a replacement Certificate will be issued to the member.

G. RATINGS:

1. PHRF-NW ratings are Time-on-Distance (TD) ratings expressed in seconds per nautical mile. They are also applicable to Time-on-Time (TT) scoring systems by conversion.
2. PHRF-NW standard (base) ratings are the proprietary intellectual property of PHRF-NW and may not be used by any other persons, agencies, or entities without the express written consent of PHRF-NW.

3. A fair race will have the following criteria:
 - a. The corrected average boat speed around a race course should be reasonably identical for all boats, indicating the boats, regardless of rating, had equal opportunity to finish first.
 - b. There should be a minimum deviation spread in corrected finish times.
 - c. When Time-on-Time scoring is applied to an event, the corrected times shall employ the TD rating conversion formula $650 / (520 + \text{TD rating})$ for determining the TT ratings.
4. PHRF-Northwest has different kinds of ratings:
 - a. Speed Potential Ratings (SP hereafter)
 - b. Performance Ratings (PF hereafter)
 - c. Regional Ratings
 - d. Multihull Ratings

H. PHILOSOPHIC BASIS OF PHRF-NW RATINGS:

1. PHRF-NW Handicappers do not actually measure boats, but rely on the honesty and good will of owners to supply correct rating information. This works well. Rarely, when violations are discovered, other contestants are urged to protest per US Sailing "Racing Rules of Sailing", latest edition, and also to contact their local Handicapper. If an owner makes a change in a PHRF-NW rated boat, that owner is obligated to report the change to the local Handicapper who will reflect this change in a changed rating and will complete the proper forms and forward them on to the Business Manager.
2. The ratings and rating adjustments are intended to represent the sailboat as is and are not intended to favor one design over another.
3. PHRF-NW aims to furnish each boat with a rating, which fairly represents its racing speed, regardless of age, design or origin.
4. All ratings and rating adjustments are known to contain a "probable error" unknown in amount and direction. Whenever evidence shows, corrections will be made so as to reduce the "probable error".
5. Because of "probable error" no rating is ever finally settled.
6. Because of "probable error" PHRF-NW is always open to new evidence.

I. ROSTER AND SUPPLEMENTS:

1. Data from the A/R Forms and Change Forms are used to assemble the Roster and any Supplements to the Rosters. To avoid the cost of printing each time information is released, the new data will be published on the website at www.phrf-nw.org. The most current list of members will be available at the office.
2. The Roster is a list of SP ratings, complete as of issue date; issued to all current paid members once a year on or about March 1.
4. Performance (PF) Ratings and Regional Ratings may be used optionally by local groups BUT DO NOT appear in the Roster or Supplements. ONLY PHRF-NW SP RATINGS will be shown in the Roster and Supplements.
5. These PHRF-NW SP ratings are the valid accepted official ratings recognized by PIYA and will be used for any area race in which there are PHRF-NW rating classes and where there are boats participating represented by more than one yacht club and more than one PHRF-NW Handicapper, unless otherwise specified by the sponsoring club.

J. SPEED POTENTIAL RATINGS (SP):

1. Definition: SP Ratings represent the maximum racing speed which can be obtained by a top 1% skipper and crew with a top condition standard boat. This speed is the observed average performance over performance over several representative races.

The assigned ratings by the Handicappers shall take into account that the boats of newer design are generally lighter per cubic foot than boats of older design. Lighter designs possess the ability to accelerate faster in spotty and variable winds than their heavier sisters. Generally, therefore, the lighter designs will be rated slightly on the fast side and the heavier designs slightly on the slower side. The older designs being generally heavier will be considered for slower adjustments, on a case by case basis, as time passes on. For the definition of "Standard Boat" see Chapter II.

2. The ratings are stated as seconds per nautical mile.
3. All boats for a given "Standard Class" shall receive the same SP Rating.
3. SP Ratings of modified "Standard Class" boats will be adjusted faster or slower according to the nature of the modification. For a schedule of potential adjustments see Chapter II.
5. Codes are shown for each boat in the Roster and on the Supplements describing the Sails, Propulsion and any Miscellaneous items on which the SP Rating is based. See Chapter II for detailed code description.

K. HOW SPEED POTENTIAL (SP) RATINGS ARE DETERMINED:

1. All Standard Class Ratings are determined by vote of the Handicappers Council.
2. When no Standard Class Rating exists, such as for new boats, and for one-off boats, the rating will be determined by the responsible Handicapper. A rating so determined by a single Handicapper is known as a "Tentative" or "T" Rating. The "responsible" Handicapper is defined as the handicapper for the yacht club from which the boat in question originates, or if there is no club handicapper then the sub region's None-X Handicapper or the Sub regional Council will substitute as the "responsible" handicapper.
3. "T" Ratings may be changed by the responsible Handicapper once every 6 months by up to 9 seconds per mile without prior notice to the owner. Larger or more frequent changes must be approved by the Chief Handicapper. If there is another boat of the same type (standard class) sailing in another region of PHRF-NW, the responsible handicapper wishing to revise the T rating must coordinate with the other handicappers responsible for the boats rated to the same standard. The T rating of all boats of the same type must be adjusted at the same time by the responsible handicappers involved. T ratings are limited to two years unless extended by the vote of the handicapper's council or approved by the chief handicapper.
4. At the request of the responsible handicapper, the Chief Handicapper may reinstate a T rating designation to any standard that has not been voted upon by the Handicapper Council.
5. The Chief Handicapper does not have the authority to change any Standard Class Ratings determined by action of the Handicappers Council.
6. Evidence used in determining ratings includes, but is not necessarily limited to, the following:
 - a. Opinions of Handicappers
 - b. Opinion of owner
 - c. Opinions of competitors
 - d. Opinions of salesmen and designers
 - e. Observation of comparative speeds of boats with known ratings
 - f. Comparisons of gross dimensions with boats of known ratings
 - g. Calculations from race results
7. The policy is, that ratings for new boats, or new "classes" shall be estimated to be on the conservative (fast) side.
8. Should a boat rating be changed without prior notice to affected owners or competitors, and is appealed by affected owners or competitors, the Chief Handicapper has the authority solely at Chief Handicapper's discretion to hold implementation of the rating change until the appeal can be heard by the Handicapper's Council.

L. EFFECTIVE DATES OF SPEED POTENTIAL (SP) RATINGS AND RATING CHANGES:

1. The complex problem of the dates on which Speed Potential (SP) Ratings become effective will take considerable action on the part of each Yacht Club. Possible options are:
 - a. **NEW BOATS; NEW OWNERS OF USED BOATS; FORMER MEMBERS REJOIN OR WITH BOATS NEWLY ACQUIRED:**
 - 1) Date on A/R Form on which area Handicapper records the rating.
 - 2) Date of Supplement or Roster on which new data is recorded and distributed.
 - b. **RATING CHANGES PURSUANT TO ACTIONS OF THE HANDICAPPERS COUNCIL:**
 - 1) Date of Handicappers Council report. This is the date on which the local Handicappers proceed with changes decided by Handicappers Council.
 - 2) Date on Change Form (CF) by the local Handicapper.
 - 3) Date of Roster or Supplement on which changes are recorded and distributed.
 - 4) When current series races are completed.
 - c. **RATING CHANGES PURSUANT TO REQUEST BY OWNER, OR TO CORRECT MISTAKES:**
 - 1) Date on Change Form (CF) by the local Handicapper.
 - 2) Date of Roster or Supplement on which changes are recorded and distributed.
2. Under a., b., and c., each Yacht Club will need to select the option which best suits the needs of their Club. PHRF-NW is unable to do this since over 125 Yacht Clubs are affected, each having a different program.
3. If a Yacht Club fails to designate its choice of options, and takes recourse to PHRF-NW for decision, then an owner officially becomes a member of PHRF-NW and that owner's rating will become officially valid when the dues are received and the forms have been properly completed by the owner, the local Handicapper, and are received by the PHRF-NW Business Manager at the PHRF NW business office. This practice shall also apply to any and all changes or corrections which must be submitted by the local Handicapper on a Change Form (CF).

M. PERFORMANCE (PF) RATINGS:

1. PHRF-NW Performance (PF) Ratings include all the factors, which affect boat speed including, without limitation, skill of skipper and crew, shape and size of boat, condition of the boat and sail area.
2. A PF Rating represents a "normal average performance". Generally, the results of "hot" races are not included in the average since a rating should not automatically become "faster" for "hot performance", so also, the results of "cold" races are not in the average since a rating should not automatically become "slower" because of "cold performance".
3. These ratings have been most successful in assisting with the start of racing programs in small clubs and with small groups in larger clubs. PF Ratings are intended for the use of a small group of boats, all of which are being served by a single Handicapper. Such groups would include:
 - a. All the boats in Yacht Clubs with small sailing groups.
 - b. All the boats in two or more neighboring Yacht Clubs when served by one Handicapper; or when served by two or more cooperating Handicappers.
 - c. In Yacht Clubs with large sailing groups, where some elect to sail in Speed Potential (SP) rated classes and some elect to sail in Performance Rated (PF) rated classes.
4. PF Ratings will not be shown on the Roster or the Supplement. They will be on a local list maintained and distributed to local boats only by the local Handicapper. Thus, each boat in a Performance Rated (PF) class will have two ratings:
 - a. Her Speed Potential (SP) Rating shown on the Roster and Supplement.
 - b. Her Performance Rating (PF) shown on a local list for local racing only.

5. PF Ratings will be adjusted by the Handicappers from race results, etc. The intention is that, at the warning gun, all boats shall have an equal chance to win.
6. PF Ratings for an absolutely "average" boat has been measured to be about 3 seconds slower than the SP Rating for a boat in the same Standard "class". Initial PF Ratings for all boats are determined by judgment and by comparison with the ratings for standard class boats.

N. REGIONAL RATINGS:

For handicapping purposes only, PHRF-NW is divided into five regions, with centers at Victoria, South Sound, North Sound, Seattle and Portland. Because racing conditions differ among these areas certain boats SP ratings may not reflect their performance in their home waters. In such cases the regional Handicapper Sub-Councils may elect to issue regional SP ratings that apply only to local races within their regions.

O. MULTIHULL RATINGS:

There are Handicappers appointed by PHRF-NW for all multihulls, regardless of club affiliation. In this capacity, they will assign ratings to new boats and adjust the ratings of current multihull members as necessary. Individual boat owners can designate which club (if any) they want shown on their PHRF-NW Application and Rating Form. Refer to Chapter II, Section R, for detailed rating procedures for multihulls.

P. TO CALCULATE PHRF TIME ALLOWANCES & CORRECTED TIMES:

For Example: There is a 10 mile race. "Rockseeker" rates 180 and has an elapsed time of 2h40m13s. "Ragtime" rates 240 and has an elapsed time of 2h49m32s.

Elapsed Time: (Convert clock time to seconds.)	ROCKSEEKER 9,613 Sec.	RAGTIME 10,172 Sec.
Allowance: (PHRF Rating x Distance) ("Rockseeker" - 180 x 10 = 1,800 Sec.) ("Ragtime" - 240 x 10 = 2,400 Sec.)	1,800 Sec.	-2,400 Sec.
Corrected Time:	7,813 Sec.	7,772 Sec.

"Ragtime", with least corrected time, is the winner!

Q. RACE INSTRUCTIONS:

PHRF-NW entrants must conform to the requirements of the Race Instructions of sponsoring Yacht Clubs. Races are organized, not by PHRF-NW, but by the Yacht Clubs. PHRF-NW starts are provided at their courtesy and discretion.

R. YELLOW PENNANT:

A yellow triangular pennant may be flown from the backstay of a boat in order to distinguish it as a PHRF-NW competitor in lieu of other competitors, such as one-design "classes". Use of the yellow pennant is the option of the sponsoring Yacht Clubs. Should yellow pennants be required, all skippers shall comply with the requirement. PHRF-NW no longer supplies yellow pennants.

S. PIYA: US SAIL/CYA SAIL NUMBERS:

To obtain a PIYA issued US SAIL/CYA sail number, an application form is required. These applications are available through Yacht Clubs, Sailmakers and Yacht Dealers. It is suggested that you obtain and submit an application for sail number at the time you purchase a boat. In the event any question or problem should arise, please then contact one of the following:

FOR US: PIYA SAIL NUMBERS: Contact PIYA PO Box 523, Olympia, WA 98507 RamsayC@mmm.ca

SAIL NUMBERS FOR CANADA: There is a block of PIYA sail numbers set aside at CYA for boats. PLEASE BE SURE TO ASK FOR ONE OF THE BLOCK OF NUMBERS SET ASIDE. CYA Sail Applications should go directly to:

B. C. Sailing Contact: (604) 737-3133
#304-1367 West Broadway
Vancouver, B.C. V6H4A9 Canada

T. MEMBERS APPEALS AND GRIEVANCES

1. A PHRF-NW member shall have a right of appeal from any rating decision by a local Handicapper, a regional Handicapper, a regional Handicappers Sub-Council or the Chief Handicapper concerning the handicap rating given to his/her yacht or to the yacht of another member. Each PHRF-NW member agrees that the following rules and procedures are the exclusive means for deciding all disputes over handicap ratings issued by PHRF-NW.
2. Rating decisions by a local Handicapper may be appealed to a regional Handicappers Sub-Council, where one exists. If there is no regional Handicappers Sub-Council, the first level of appeal shall be to the Chief Handicapper. All appeals shall be documented and submitted on the PHRF-NW Rating Appeal Evaluation Form, which can be obtained from the business office or from the website. The purpose of the Appeal Evaluation Form is to obtain the necessary information to review rating decisions.
3. Rating decisions or decisions on appeals by the Chief Handicapper may be appealed to the Handicappers Council for consideration at one of its meetings. The decision on ratings or rating appeals by the Council shall be final and binding and is not subject to any further appeal or review. However, the PHRF-NW Board of Directors in their sole discretion may elect to review a rating or appeal decision of the Handicappers Council. The decision of the Board after discretionary review shall be final and binding and not subject to further appeal or review.
4. Final rating or appeal decisions by the Handicappers Council or Board of Directors may be further reviewed by the National Appeals Committee of PHRF. However, any review by the National Committee is at its sole discretion. Decisions on rating appeals by the National Appeals Committee of PHRF shall be final, binding and not subject to further review in any court or other forum.
5. The PHRF-NW Board of Directors may, from time to time, establish the amount of any fee or charge to be paid to PHRF-NW as a precondition to appealing a rating decision pursuant to these rules and procedures. The purpose of any appeal fee or charge is to defray the costs associated with processing and deciding the rating appeal.

U. ADVERTISING:

In 1995 PHRF-NW began offering opportunities to members and non-members to advertise in the PHRF-NW Roster and website. The Roster is published once a year and is mailed to every PHRF-NW member who renews their membership in our organization. PHRF-NW encourages you to patronize our advertisers. When you visit one of our advertisers, please take the time to thank them on behalf of your organization for their support. If you are interested in advertising in the upcoming year Roster or on our website, please contact the Business Office.

CHAPTER II
STANDARD BOAT DEFINITION
RATING ADJUSTMENTS AND RATING CODE / PHRF-NW HANDICAPPERS RATING PROTOCOL
February 2017

Please note, changes to the PHRF NW protocol or rules will be italicized in the member handbook for one year. Changes that occur in between handbook publications will be posted on the PHRF NW website in "what's new".

- A.** PHRF-NW is a rating system designed to serve the handicap racing needs of racer-cruiser monohull sailboats. Characteristically, these will have outside ballast for self-righting, cabins, inside living equipment, engine and propeller. PHRF-NW is adaptable to many variations from the general theme, however, up to a certain limit. Thus, unballasted monohulls and Multihulls have such different sailing characteristics from the ballasted monohull racer-cruisers that handicapping them to race together is very difficult. PHRF-NW does not attempt this, hence PHRF- NW ratings are not available to unballasted monohulls.
- B.** PHRF-NW ratings are based on a "standard class boat" to which is fitted a "standard class rating". The determination of "standard class" ratings is dealt with in Chapter I of the Handicappers Manual and in general information Paragraphs J and K of that Chapter.
- C. DEFINITION OF "STANDARD CLASS BOAT":**
1. Is built to a single design of which the manufacturer has made, or intends to make, a number of copies with nearly identical hulls and nearly identical rigs.
 2.
 - a. Has external ballasted keel as designed.
 - b. Some boats are designed with retractable keels, or retractable ballasted centerboards. These are acceptable as standard parts of a PHRF-NW standard boat if kept locked down at all times while racing.
 - c. Some boats are designed with ballast inside the hull plus dagger board, which may be entirely unballasted. This is acceptable as PHRF-NW standard if the dagger board is locked down at all times while racing.
 - d. The keel-centerboard type has a ballasted external keel, containing a slot through which a centerboard can be adjusted up and down. This is acceptable as PHRF-NW standard with board in any position.
 3. Has displacement as designed.
 4. Has I, ISP, J, JC, P and E dimensions as designed.
 5. Largest jib has LP = 1.5(J).
 6. Has mainsail with standard "P" and "E".
 7. Largest spinnaker has girth of 1.80(JC), and luff length, $SLE = 0.95[(ISP)^2 + (JC)^2]^{1/2} = ISP$ (approximate). The top of the spinnaker halyard sheave is at the upper end of the "ISP" dimension. If the top of spinnaker halyard sheave is placed higher than top of ISP, a rating adjustment will be made per Section I.3. and shown coded in the 5th column, under "S".
 8. Spinnaker pole/bow sprit length from forward face of mast = JC. A Standard Class Boat is designed with either a mast-mounted pole and spinnaker, or a bow sprit and spinnaker, but not both.
 9. Is equipped with engine and propeller and fuel tanks.
 10. If Inboard Auxiliary Engine: Has folding or feathering propeller, propulsion assembly sufficient to drive boat at 90% of "hull speed" in flat water.

Hull speed defined: V (knots) = $1.33(LWL)^{1/2}$ where LWL is expressed in feet.
Fuel onboard sufficient for two hours running at 90% of hull speed.

11. **If Outboard Auxiliary Engine:** Installed on permanent mounting, permanently connected to securely fastened fuel tanks, completely retracted but ready for instant immersion, propulsion assembly sufficient to drive the boat at 90% of "hull speed" in flat water.

Hull speed defined: $V \text{ (knots)} = 1.33(\text{LWL})^{1/2}$ where LWL is expressed in feet. Fuel onboard sufficient for two hours running at 90% of hull speed.
12. Has inside fittings and equipment as intended by the manufacturer. This may include all or part of the following: Head, sinks, stoves, icebox, navigation desk, berths, lockers, shelves, drawers, doors, curtains, instruments, domestic water, stove fuel, plumbing, wiring, fuel and water tanks, fire extinguishers, etc. The removal of cushions and tables is allowed.
13. Has outside equipment required by safety regulations of the National Authority and also equipment intended by the manufacturer. This may include all or part of the following: Ground tackle, lifelines, pulpits, push pits, life preservers, emergency signaling equipment, self-draining cockpits, waterproof decks and cabins.
14. **Hiking Aids and Lifelines:** The PHRF-NW "Standard Class Boat" definition includes the adoption of ISAF and PIYA rules and prescriptions for hiking aids and life lines.

D. GENERAL PHILOSOPHY ON RATING ADJUSTMENTS:

Although many sailboats vary from the definition of "Standard" above, it is not intended that these be barred from PHRF-NW racing or penalized or that boats will be forced to recut sails or alter. Instead, rating adjustments will be made proportionately to the speed changes caused by "Non-Standard" variations. Thus, ratings will be adjusted proportionately "faster" for Non-Standard variations which cause the boat to sail "faster" and proportionately "slower" for Non-Standard variations which cause the boat to sail "slower".

Some typical adjustments are as follows:

1. **Modified Standard Class Sailboats:** Common variations which may call for rating adjustments are:
 - a. "Faster" because:
 - larger than standard sails
 - significantly altered rigging
 - significantly altered keel or hull
 - significant removal of interior or exterior equipment ("stripping")
 - propulsion does not meet criteria in Paragraph C. 9., 10., or 11.
 - less than standard displacement
 - b. "Slower" because:
 - smaller than standard sails
 - more than standard displacement
 - IB propulsion with solid propeller
 - OB propulsion with immersed propeller
 - conversion from OB to IB
2. **One-Off/Custom/Non-Class Sailboats:** These are rated individually as there is no "Standard Class". However, to develop the code that goes along with "non-class" rating, Handicappers approach should be to develop a rating which would be a "Standard Class" rating if there were a class and then thereafter make rating adjustments for variations from the assumed "Standard".

Ballasted "bare" boats such as Soling, Star, Dragon, Etchells 22, Six Meter, etc. These by intent of the manufacturer are devoid of much equipment as described in Paragraph A. Standard Class ratings for these boats take this into account. Standard Class ratings in other words, are "faster" than they would be if the boats had the missing equipment.

"Bare" boats may vary from "Standard Class" boats and, if so, rating adjustments should be made proportionately to changes in boat speed.

- a. "Faster" for:
 - larger than standard sails
 - absence of auxiliary engine
 - OB engine not correctly mounted
 - OB engine removed and stowed below
- b. "Slower" for:
 - smaller than standard sails
 - conversion to IB power conversion
 - inclusion of equipment beyond that described in Paragraph A

E. RATING CODE:

In the published PHRF-NW Roster, the 4th column is headed "Rating Code". The purpose of this Code is to show the factors on which the rating is based. A typical rating code is 6355A. To read this Code:

First Character	Second Character	Third Character	Fourth Character	Fifth ** Character
JIB 6*	SPINNAKER 3	MAIN 5	PROPULSION 5	MISCELLANEOUS A

- * For the meaning of the symbols appearing in each character space see text hereafter.
- ** The fifth character space usually will not be occupied, but may be used by a letter representing a miscellaneous adjustment, where such is required. In the event of more than one Miscellaneous item, additional Codes will be shown in the sixth, seventh, etc. character space.

F. RIG AND SAIL AREA TERMS AND DEFINITIONS:

- "I" Rig fore triangle height measured along the foreside of the mast from the main deck datum to the top of the jib halyard sheave. The height of the deck used as datum for "I" measurement shall be taken as 4% of beam above the shear line abreast of the mast. For boats similar to the CAL28 and MORG27 whose cabin extends athwart ships to the shear line, use the stripe along the hull which represents the shear line.
- "ISP" AS-DESIGNED spinnaker hoist height measured vertically from the deck datum to the top of the spinnaker halyard sheave
- "J" Rig fore triangle base measured from the foreside of the mast to point where forestay attaches to deck or bowsprit in a direction parallel to the water line.
- "JC" AS-DESIGNED spinnaker foot rig length measured horizontally from EITHER the MSD to the tack point on the forward end of a fully extended bowsprit pole OR from the forward face of the mast to the tack point of a mast-mounted spinnaker pole in standard position. For stem head-tacked spinnakers, JC = J.
- "P" Actual rig dimension taken from the horizontal surface of the boom as it intersects the aft face of the mast to the point of maximum hoist of the mainsail.
- "E" Actual rig dimension taken from the aft face of the mast along the boom to the maximum point at which the mainsail may be out hauled.
- "MP" Measured luff length from tack to head measuring points. The tack measuring point shall be the intersection of the projected curve of the foot with the projected curve of the luff. Where MP is declared to be other than P, the responsible handicapper shall apply MP = P or require the mast be marked with a contrasting band to limit mainsail hoist to measured MP.
- "ME" Measured mainsail foot length from tack to clew measurement points. Where the declared ME is declared to be other than E, the responsible handicapper shall apply ME = E or require the boom be marked with a contrasting band to limit outhaul of the foot to measured ME.
- "HB" Measured headboard length from head measuring point to after top edge of headboard. For "square top" mainsails or any sail with extreme roach resulting in a nearly horizontal top of the mainsail, the

headboard dimension shall be taken from the Head Point to the aft end of the upper batten(s) supporting the top of the mainsail.

- “MGM” Mainsail mid-girth dimension measured as the shortest distance between the leech half-point and the luff, bridging any hollows in the leech of the sail. Obtain by folding the head measuring point to the clew measuring point, applying equal and sufficient tension to the leech to produce the leech half-point, then measuring the shortest distance from the leech half-point to the forward edge of the luff bolt rope.
- “MGU” Mainsail upper-girth dimension measured as the shortest distance between the leech three-quarter point and the luff, bridging any hollows in the leech of the sail. Obtain by folding the head measuring point to the leech half-point, applying equal and sufficient tension to the leech to produce the leech three-quarter point, then measuring the shortest distance from the leech three-quarter point to the forward edge of the luff bolt rope.
- “LLJ” Measured luff length of headsail from tack to head measuring points.
- “LP” Measured headsail dimension from clew measuring point to forward edge of luff in line of measurement perpendicular to luff (shortest distance between clew measuring point and luff).
- “SLU” Measured Spinnaker Luff length from tack to head measuring points
- “SLE” Measured Spinnaker Leach length from clew to head measuring points
- “SGM” Measured spinnaker mid-girth (1/2 girth) length from the luff to leech mid-girth measuring points
- “SGF” Measured spinnaker foot length from the tack to clew measuring points
- “SPL” Spinnaker pole or bowsprit length as measured. For Spinnaker Poles, SPL is the distance with the pole fitted on the mast and set in a horizontal position athwart ships, as measured from the forward center line face of the mast to the extreme outboard end of the pole. For Bow Sprits, SPL is the distance from the forward face of the mast at the deck to the tack fitting on the pole. For as designed boats, SPL = JC.
- “H” Height of spinnaker sheave above the main deck datum. Main deck datum as defined for “I” dimension. (Also referred to as “ISP”)
- “WPL” Whisker pole length as measured from the forward center line face of the mast to center of clew grommet (or D ring) of the headsail to which the whisker pole is attached, taken in the direction of pole axis.
- “SPRIT” A hull-mounted pole or hull extension that tacks an asymmetrical spinnaker at some distance in front of the measured “J” dimension.
- “SPINNAKER”
Any sail which, when carried in its normal position, is set forward of a boat’s fore triangle with a mid-girth equal to, or greater than, 75% of its foot girth, including such sails tacked to a stem head fitting or such sails provided with a stem head tack line.
- “CODE “ZERO” SPINNAKER” A spinnaker with a mid-girth less than 75% of its foot girth.

G. SAIL AREA FORMULAS: (Summary)

1. STANDARD SAIL AREAS: (Standard sail areas are denoted by “STD”)

Use the Standard rig dimensions from the Standard Class Database.

$$\text{STD Jib Area} = 0.775(I)(J)$$

$$\text{STD Spinnaker Area} = (0.83)(ISP)(1.80)(JC) = 1.494(ISP)(JC)$$

$$\text{STD Mainsail Area} = 0.59(P)(E)$$

$$\text{STD Average Headsail Area} = 1.015(I)(J) = 2/3(\text{STD Jib SA}) + 1/3(\text{STD Spin SA})$$

2. **ACTUAL SAIL AREAS:** (Actual sail areas are considered non-standard and are denoted by “NS”)

Use Actual Sail Dimensions:

$$\text{NS Jib Area} = 0.50(\text{LLJ})(\text{LP})$$

$$\text{NS Spinnaker Area} = 0.83\left[\frac{(\text{SLU} + \text{SLE})}{2}\left(\frac{\text{SGF} + 4(\text{SGM})}{5}\right)\right]$$

$$\text{NS Mainsail Area} = \frac{[(\text{HB}) + 3(\text{ME}) + 4(\text{MGM} + \text{MGU})](\text{MP})}{12}$$

For sails exhibiting unconventional sail plan shapes, the Handicapper may employ any appropriate geometric method to compute actual sail area with reasonable accuracy. If requested, PHRF-NW members are required to provide their Handicapper with such additional detailed dimensional data for unconventional sail shapes as may be necessary to permit accurate area computation.

PHRF-NW members are required to report all actual (NS) rig and sail dimensions to their local Handicapper. A PHRF-NW rating cannot be issued without the required dimensions. See Chapter I, Section H.

Refer to Chapter II Sections H, I and L for rating adjustments applied to actual (NS) sails.

3. **SAIL MEASUREMENTS:**

Measurement Conditions: Sails shall be measured in a dry state at a temperature between 50 and 80 degrees Fahrenheit. Except for spinnakers, measurements shall be taken with the sails lying on a flat surface. Except as otherwise indicated, measurements taken between measuring points shall be obtained with sufficient tension to remove wrinkles in the sailcloth along the line of measurement. The term “sufficient tension” as applied to the “P” and “E” dimension of mainsails shall mean at least 25 pounds of tension or as otherwise required to draw the bolt rope (if present) into a straight line.

Measurement Points: Measurement points are the points (typically head, tack and clew) to which sail measurements are taken. They are determined by projecting the adjacent edges of a (radius or truncated) sail corner to an intersection point, wherein the projections are tangent to the adjacent edges at the point of beginning radius curvature or truncation at those corners. In the instance of the mainsail head measuring point, the luff projection shall be tangent to the forward edge of the bolt rope. Intermediate measuring points along the luff shall be similarly taken at the forward edge of the bolt rope. Intermediate measuring points along the luff of spinnakers and leech of mainsails and spinnakers shall be taken to the extreme outside edge of the luff or leech tapes.

H. RATING ADJUSTMENTS FOR NON-STANDARD JIBS: (“NS” Jibs)

1. A boat is rated on its largest jib; or upwind staysail, if staysail is larger. Rating adjustment is based on area change over or under the total area of standard (STD) sails, resulting from a non-standard (NS) jib. A standard jib has LP/J = 1.50.

2. **JIB SAIL AREA FACTOR: (SAFJ)**

$$\text{SAFJ} = \frac{\text{Total SA with NS Jib}}{\text{Total SA with STD 1.5 Jib}} = \frac{\text{NS Jib SA} + \text{STD Main SA}}{\text{STD 1.5 Jib SA} + \text{STD Main SA}}$$

Compute standard (STD) and actual (NS) sail areas using formulas in Section G. Compute SAFJ and enter the Rating Adjustment Table below in column 2 to determine adjustment in column 3 and rating Code in column 4.

3. In determining area of STD LP/J = 1.50 Jib, use STD J and STD I for the class, even though actual I and actual J on the boat have been altered. STD I and J for all classes are listed in CHAPTER III of the Handicappers Manual.

4. RATING ADJUSTMENT TABLE FOR NS JIBS: (SAFJ)

NOMINAL SAFJ	SAFJ RANGE	RATING ADJUSTMENT	RATING CODE
1.19	1.17+ - UP	- 15	L (Large)
1.15	1.13+ - 1.17	- 12	9
1.11	1.09+ - 1.13	- 9	8
1.07	1.05+ - 1.09	- 6	7
1.03	1.01+ - 1.05	- 3	6
1.00 STD	0.97+ - 1.01	0	5
0.96	0.94+ - 0.97	+ 3	4
0.92	0.90+ - 0.94	+ 6	3
0.88	0.86+ - 0.90	+ 9	2
0.84	0.82+ - 0.86	+ 9	1
0.80	0.00+ - 0.82	+ 9	S (Small)

For cat rigged boats use Code (C).

5. No rating adjustment for staysails flown between large jib on head stay and the mast.
6. No rating adjustment for use of head foil on head stay in place of hanks.

I. RATING ADJUSTMENTS FOR NON-STANDARD SPINNAKERS: (“NS” Spinnakers)

1. Rating adjustments are based on sail areas.
2. A boat is rated on the basis of its largest spinnaker. The rating adjustment is based on the area change over or under the total area of STD sails, resulting from a NS spinnaker. A STD spinnaker has SGM/JC = 1.80, and luff, SLU = ISP. ISP and JC are the standard for the class, even though actual ISP and JC may have been altered.

A boat normally designed and rated to use a mast-mounted spinnaker pole and spinnaker may not also use a bow sprit and asymmetrical spinnaker. A “cruising” type asymmetrical spinnaker is allowed if the spinnaker is tacked to the bowstem or a small sprit no farther forward than the standard JC dimension for the boat in question. The largest spinnaker, pole flown or tacked to the bowstem or small sprit, shall be used to rate the boat, by applying the standard rig ISP and JC.

If the tack point results in an SPL greater than JC, the SGM of the bow/sprit tacked spinnaker shall be increased per paragraph J.1. The intent of this paragraph is to allow owners to use their cruising spinnakers when sailing short handed which are typically tacked to the bowstem at J or to the anchor roller just forward of the bow stem, not to provide a loophole to allow boats to add long bow sprits to boats normally intended to be sailed with mast-mounted spinnaker poles. Boats using both mast-mounted spinnaker poles and long bow sprits will be considered X boats and rated separately and conservatively from otherwise identically designed boats.

3. SPINNAKER SAIL AREA FACTOR: (SAFS)

$$\text{SAFS} = \frac{\text{Total SA with NS Spin}}{\text{Total SA with STD Spin}} = \frac{\text{NS Spin SA} + \text{Std Main SA}}{\text{STD Spin SA} + \text{Std Main SA}}$$

Compute sail areas using formulas in Section G. For boats where the “H” dimension is *greater than “ISP”, use the greater of SLU or $0.95 \times [H^2 + JC^2]^{1/2}$ to calculate the non-standard spinnaker area. Compute SAFS and enter the Rating Adjustment Table below in column 2 to determine adjustment in column 3 and rating Code in column 4.

4. RATING ADJUSTMENT TABLE FOR NS SPINNAKERS: (SAFS)

NOMINAL SAFS	SAFS RANGE	RATING ADJUSTMENT	RATING CODE
1.72	1.705+ - UP	- 69	P (Large)
1.69	1.675+ - 1.705	- 66	O
1.66	1.645+ - 1.675	- 63	N
1.63	1.615+ - 1.645	- 60	M
1.60	1.585+ - 1.615	- 57	L
1.57	1.555+ - 1.585	- 54	K
1.54	1.525+ - 1.555	- 51	J
1.51	1.495+ - 1.525	- 48	I
1.48	1.465+ - 1.495	- 45	H
1.45	1.435+ - 1.465	- 42	G
1.42	1.405+ - 1.435	- 39	F
1.39	1.375+ - 1.405	- 36	E
1.36	1.345+ - 1.375	- 33	D
1.33	1.315+ - 1.345	- 30	Z
1.30	1.285+ - 1.315	- 27	Y
1.27	1.255+ - 1.285	- 24	X
1.24	1.225+ - 1.255	- 21	W
1.21	1.195+ - 1.225	- 18	V
1.18	1.165+ - 1.195	- 15	U
1.15	1.135+ - 1.165	- 12	9
1.12	1.105+ - 1.135	- 9	8
1.09	1.075+ - 1.105	- 6	7
1.06	1.045+ - 1.075	- 3	6
1.00 STD	0.955+ - 1.045	0	5
0.94	0.895+ - 0.955	+ 3	4
0.88	0.835+ - 0.895	+ 6	3
0.82	0.775+ - 0.835	+ 9	2
0.76	0.715+ - 0.775	+ 9	1
0.70	0.000+ - 0.715	+ 9	S (Small)

For cat rigged boats with no spinnaker use Code (T)

5. CODE "ZERO" SPINNAKERS:

Calculate the area of code "zero" spinnakers and rate as a headsail using the sail area adjustment factor formula and adjustment table for jibs. A boat shall be rated on the basis of its largest jib or code "zero" spinnaker.

Boats using only code "zero" spinnakers are not eligible for NFS (No Flying Sail) rating credits and a "5" shall be entered as the second digit of their rating Code."

6. MISCELLANEOUS RATING ADJUSTMENTS: (Associated with spinnakers)

There is no adjustment for staysails flown in addition to a spinnaker, in the space between spinnaker sheet and guy, forward of the mast and aft of the forestay, and tacked to foredeck.

For "streakers" (also "bloopers") flown in addition to a spinnaker, add Miscellaneous Code A (fifth column) to boat's rating Code and adjust rating by - 3 seconds.

7. "NFS" RATING ADJUSTMENTS: (For boats without spinnakers or "Flying Sails")

To be eligible for "NFS" rating adjustments boats must use working sails only, attached by their luffs to permanent stays or spars. Not less than 90% of the luff length must be attached to a permanent stay or spar with not less than eight snaps or sail track slides distributed evenly along the luff; or alternately, attachment may be in a luff rope groove. Only one working sail luff may be attached to each permanent stay or spar. Only one sail may be used forward of the main mast on sloops, cutters, yawls and ketches unless the yacht is specifically rated for carrying additional sails. When changing jibs, the "up" jib must be lowered to the deck before the replacement jib is raised. Before lowering the "up" jib, the replacement jib may be hanked on the forestay or inserted in the second groove of head foil up to five feet above deck. The second halyard may be attached before lowering the "up" jib. Jibs may not be attached to temporary or detachable stays. "NFS" rating adjustments exclude such sails as spinnakers, mizzen stas'l's, streakers, spinnaker stas'l's, drifters, etc. flying from their own temporary stays.

The rating adjustment is based on the largest jib's SAFJ. For eligible boats use the following table:

"NFS" RATING ADJUSTMENT TABLE:

Actual (NS) Jib Size	Rating Adjustment	2nd Column Code
Jibs Coded 7,8,9	+ 15 sec.s	A
Jibs Coded 4,5,6	+ 18 sec.s	B
Jibs Coded 1,2,3	+ 21 sec.s	C

Boats with roller furling jibs mounted on their own roller stays, immediately aft of the permanent forestay, are eligible for "NFS" rating adjustment provided that no sail is flown from the permanent forestay.

J. RATING ADJUSTMENTS FOR NON-STANDARD SPINNAKER POLES AND SPRITS:

- For calculation of the rated spinnaker area, the spinnaker girth used shall be determined as follows:

If SPL is greater than JC, then SGM when applied to calculate spinnaker area shall be the greater of the measured SGM or (1.8)SPL.
- There are no rating adjustments for spinnaker poles shorter than SPL.
- Only one spinnaker pole may be used at a time and, when in use, shall be attached to the foremost mast, in compliance with US Sailing's "Racing Rules of Sailing".
- Use of outriggers is permitted only as prescribed by US Sailing's "Racing Rules of Sailing".

K. RATING ADJUSTMENTS FOR NON-STANDARD WHISKER POLES:

- Defined as a pole (or substitute) used to wing out a jib on off-wind legs. WPL is allowable length. (See Section F)

For jibs whose LP = 1.25(J) and smaller, WPL = J
 For jibs whose LP is larger than 1.25(J), WPL = 0.8(LP)

- For whisker poles, whose length is in excess of WPL, add rating adjustments as follows:

Excess Length	Adjustment
(1.001 to 1.10)(WPL)	3 sec.s faster Code B (fifth column)
(1.101 to 1.20)(WPL)	6 sec.s faster Code C
(1.201)(WPL) and longer	9 sec.s faster Code D

- Show rating penalty for excess whisker pole length under Miscellaneous, Section O. There is no rating adjustment for whisker poles whose length is less than WPL. One whisker pole only shall be used, even though more than one jib is set simultaneously.
- Any equipment combination used to obtain a length WPL (or WP plus penalty length) is authorized, provided the length for which the boat is rated is not exceeded. Inner end of pole may be fastened to the boat at any place. Outer end of pole shall be fastened to clew or in as close proximity thereto as fittings permit. Provisions of US Sailing's "Racing Rules of Sailing" prohibiting sheeting of sails over or through outriggers, are specifically voided for whisker poles used according to provisions of this paragraph.

L. RATING ADJUSTMENTS FOR NON-STANDARD MAINSAILS: ("NS" Mainsails)

- A standard mainsail has a standard "E" as designed measured horizontally and a standard "P", assumed at 90 degrees to "E", and standard combined luff and leech areas = 0.10(P)(E). A standard mainsail also has measured MGM of 65% or less of E, MGU of 38% or less of E, and HB of 4% or less of E.
- Non-standard mainsails can result from changes in "P", in "E", in luff and leech area, mast rake or mast bend. Calculate the mainsail areas using formulas in Section G.

Non-standard mainsails also result when sail area is moved from low in the sail to the roach area in the

form of square top or very high aspect mainsails. These very high aspect ratio mainsails are well known to provide significantly improved performance.

3. MAIN SAIL AREA FACTOR: (SAFM):

$$\text{SAFM} = \frac{\text{Total SA with NS Main}}{\text{Total SA with STD Main}} = \frac{0.33(\text{STD Spin SA}) + 0.67(\text{STD Jib SA}) + (\text{NS Main SA})}{0.33(\text{STD Spin SA}) + 0.67(\text{STD Jib SA}) + (\text{STD Main SA})}$$

$$\text{Or: SAFM} = \frac{\text{STD Ave. Headsail SA} + \text{NS Main SA}}{\text{STD Ave. Headsail SA} + \text{STD Main SA}}$$

Compute SAFM and enter the Rating Adjustment Table below in column 2 to determine adjustment in column 3 and rating Code in column 4.

4. RATING ADJUSTMENT TABLE FOR NS MAINSAILS: (SAFM)

NOMINAL SAFM	SAFM RANGE	RATING ADJUSTMENT	RATING CODE
1.20	1.185+ - 1.205	- 30	W (Large)
1.18	1.165+ - 1.185	- 27	V
1.16	1.145+ - 1.165	- 24	U
1.14	1.125+ - 1.145	- 21	T
1.12	1.105+ - 1.125	- 18	S
1.10	1.085+ - 1.105	- 15	R
1.08	1.065+ - 1.085	- 12	9
1.06	1.045+ - 1.065	- 9	8
1.04	1.025+ - 1.045	- 6	7
1.02	1.005+ - 1.025	- 3	6
1.00 STD	0.985+ - 1.005	0	5
0.98	0.965+ - 0.985	+ 3	4
0.96	0.945+ - 0.965	+ 6	3
0.94	0.925+ - 0.945	+ 6	2
0.92	0.905+ - 0.925	+ 6	1
0.90	0.000+ - 0.905	+ 6	S (Small)

M. SAMPLE RATING ADJUSTMENT FOR NON-STANDARD SAILS:

1. Typical Sail Area Rating Adjustment Calculations:

The owner of "Clamdigger", SN XYZ40, a boat with a STD PHRF-NW rating of 96, IB engine, and folding prop, wants to add 3.0 feet to the boat's mast, add 2.0 feet to the boom, and change to a 1.63 jib. Given the actual dimensions for the boat's new sails, find the boat's adjusted rating and code as follows:

For Standard (STD) Sail Areas: (See Section G.1)

$$\begin{aligned} \text{STD I} &= 53.00 = \text{ISP} & \text{STD Jib SA} &= 0.775(\text{I})(\text{J}) = (0.775)(53.00)(17.20) = 706.49 \\ \text{STD J} &= 17.20 = \text{JC} & \text{STD Spin SA} &= 1.494(\text{ISP})(\text{JC}) = (1.494)(53.00)(17.20) = 1361.93 \\ \text{STD P} &= 47.50 & \text{STD Main SA} &= 0.59(\text{P})(\text{E}) = (0.59)(47.50)(12.50) = 356.25 \\ \text{STD E} &= 12.50 & \text{STD Ave. Headsail SA} &= 1.015(\text{I})(\text{J}) = (1.015)(53.00)(17.20) = 925.27 \end{aligned}$$

For Actual (NS) Sail Areas: (See Section G.2)

$$\begin{aligned} \text{NS I} &= 56.00 & \text{Jib:} & \text{LLJ} = 57.04, \text{LP} = 28.04 \\ \text{NS J} &= 17.20 & \text{Spin:} & \text{SLE} = \text{SLU} = 56.38, \text{SGM} = 30.75^*, \text{SGF} = 29.5 \\ \text{NS P} &= 50.50 & \text{Main:} & \text{P} = 50.25, \text{E} = 14.37, \text{HB} = 0.50, \text{MGM} = 10.33, \text{MGU} = 4.83 \\ \text{NS E} &= 14.50 & \text{Pole:} & \text{SPL} = 17.00^{**} \end{aligned}$$

$$\begin{aligned} \text{Then: NS Jib SA} &= 0.50(\text{LLJ})(\text{LP}) = (0.50)(57.04)(28.04) = 799.70 \\ \text{NSSpinSA} &= 0.83[\frac{(\text{SLU} + \text{SLE})}{2}][\frac{(\text{SGF} + 4(\text{SGM}))}{5}] \\ &= (0.83)[\frac{(56.38 + 56.38)}{2}][\frac{(29.5 + 4(30.75))}{5}] = 1427.26^* \\ \text{NS Main SA} &= [(\text{HB}) + 3(\text{E}) + 4(\text{MGM} + \text{GU})](\text{P})/12 \\ &= [(0.50) + (3)(14.37) + (4)(10.33 + 4.83)](50.25)/12 = 436.55 \end{aligned}$$

* $1.8(\text{SPL}) = (1.8)(17.00) = 30.60$ which is less than actual SGM, therefore use actual SGM for sail area computation. (See Section J)

** Allowable (STD) SPL = JC. Actual (NS) SPL is less than JC. There are no rating adjustments for spinnaker poles shorter than allowable SPL. (See Section J)

For Sail Area Adjustment Factors: (See Sections H, I & L and respective Adjustment Tables)

$$\text{SAFJ} = \frac{799.70 + 356.25}{706.49 + 356.25} = 1.088, \text{ therefore rating adjustment is } -6 \text{ sec.s \& jib rating Code 7.}$$

$$\text{SAFS} = \frac{1427.26 + 356.25}{1361.93 + 356.25} = 1.038, \text{ therefore rating adjustment is } 0 \text{ sec.s \& spin rating Code 5.}$$

$$\text{SAFM} = \frac{925.27 + 436.55}{925.27 + 356.25} = 1.068, \text{ therefore rating adjustment is } -12 \text{ sec.s \& main rating Code 9.}$$

For Propulsion Adjustments: (See Section N)

Boat has IB engine and folding prop, therefore rating adjustment is 0 sec.s & STD rating Code 5.

For Total Rating Adjustments and Rating Code: (See Section E)

As adjusted above, "Clamdigger's" total rating adjustment is $(-6)+(0)+(-12)+ 0 = -18$ sec.s and its "as-sailed" rating is determined by deducting this total from its standard Rating. Therefore, "Clamdigger's" new rating is $96 - 18 = 78$.

As determined above, "Clamdigger's" total (four character) "as-sailed" rating Code is: 7 5 9 5

2. Sail Area Rating Adjustment Calculations for Multiple Masts:

The owner of "Imperial", SN XYZ41, a previously rated ketch with as-sailed rating Code of 5555, has purchased new main and mizzen sails and has requested his local Handicapper to advise if there would be any rating adjustment. No changes to the rig were made. Accordingly, the (STD) average headsail area would remain the same.

In this example the Handicapper would need simply to compute the combined Standard and Non-Standard actual areas of the mainsail and mizzen sail in accordance with Sections G.1 and G.2 and use their respective sums in the Mainsail Area Adjustment Formula (Section L.3) to determine if a rating adjustment is warranted. For instance, if "Imperial's" (STD) average headsail area = 650.50, (STD) mainsail area = 480.25, (STD) mizzen sail area = 298.55, (NS) actual mainsail area = 498.25, and (NS) actual mizzen sail area = 305.55, then:

$$\text{SAFM} = \frac{\text{STD Ave. Headsail SA} + \text{NS Main SA}}{\text{STD Ave. Headsail SA} + \text{STD Main SA}} = \frac{650.50 + (498.25 + 305.55)}{650.50 + (480.25 + 298.55)} = 1.017$$

Therefore, as determined from the Adjustment Table for NS Mainsails, "Imperial's" rating Code would be changed to 5565 and its as-sailed rating changed by -3 seconds.

N. RATING ADJUSTMENTS FOR NON-STANDARD PROPULSION: (Engine and Propeller)

1. Table III of the Handicappers Manual shows for each boat the Standard Rating and type of motor, Inboard (IB) or Outboard (OB), which goes with the Standard Rating.

If an Outboard rated boat is converted to Inboard, revise STD boat rating to 6 sec.s slower.

If an Inboard rated boat is converted to Outboard, revise STD boat rating to 6 sec.s faster.

The fourth character of the rating Code will show the type of propulsion conversion made. An outboard "Standard Class" boat with an inboard conversion would be designated with a number. An inboard "Standard Class" boat with an outboard conversion would be designated by a letter.

Using the revised STD rating, go to the appropriate Schedule; Inboard Schedule for inboard equipped boats and Outboard Schedule for outboard equipped boats and for other rating adjustments in the event engine or propeller installation is non-standard.

INBOARD ENGINE RATING ADJUSTMENT SCHEDULE:

ADJUSTMENT DESCRIPTION	RATING ADJUSTMENT	RATING CODE
Engine plus folding or feathering prop too small to drive boat at 90% of "Hull Speed": A boat with this deficiency is not eligible for slower adjustments coded 4, 3 and 2.	- 6	7
Retractable prop with flush fairing plate:	- 6	6
STD folding or feathering prop:	0 STD	5
Solid 2 blade prop in aperture:	0 STD	5
Solid 2 blade prop exposed to water flow; not in aperture:	+ 6	4
Solid 3 blade prop in aperture:	+ 6	3
Solid 3 blade prop exposed to water flow; not in aperture:	+ 12	2
Out-of-Ordinary prop. installation; Handicapper to estimate resistance relative to STD prop adjustments:	(as estimated)	1

4. Sail Drive (also "Volvo Drive") is considered the same resistance as the shaft, strut and propeller hub of a typical inboard installation. Propellers of different kinds attached to a Sail Drive shall get the same allowances as if attached to a typical propeller shaft.

5. OUTBOARD ENGINE RATING ADJUSTMENT SCHEDULE:

ADJUSTMENT DESCRIPTION CODE	RATING ADJUSTMENT	RATING CODE
Outboard motor and prop on board but not capable of driving boat at 90% of "Hull Speed": A motor with this deficiency is not eligible for slower adjustments coded "K".	- 3	P
Standard boat: Outboard installed as described in Section C, Paragraph 11; engine retracted when racing:	0 STD	M
Engine not retracted, prop immersed on both tacks, any number of blades:	+ 6	K
Outboard of sufficient size, onboard but not installed in accordance with Section C, Paragraph 11:	- 6	E
No outboard motor onboard, + 3 for not being able to drive boat at 90% of "Hull Speed", + 6 for no installation:	- 9	F

O. MISCELLANEOUS RATING ADJUSTMENTS:

1. Insert miscellaneous rating adjustment Codes in the fifth and, as required, successive columns of a boat's rating Code. For rating adjustments greater than 3 sec.s per mile, use multiple Code columns. I.e., for a keel change of - 6 sec.s per mile, use Code KK.
2. For extensively altered boats, where there may be three or more alteration items, rate boat as a custom or "one-off" boat as opposed to a standard class boat and indicate as special rating by adding an "X" prefix to the boat's class designator; i.e., "XPEAR36".

3. MISCELLANEOUS RATING ADJUSTMENT SCHEDULE:

ADJUSTMENT DESCRIPTION	RATING ADJUSTMENT	RATING CODE
Streaker (also "Bloop") is a sail set flying in the space to leeward of the spinnaker sheet, forward of the mainsail and alongside the spinnaker. "Streaker" adjustment will apply to any sail flown in this space. (i.e. genoa, drifter, small spinnaker.):	- 3	A
Whisker pole longer than WPL:	- 3 to - 9	B, C or D
Items unanticipated by this schedule:	* - 3 or more	E
Faster due to removal of gear and equipment required by Section C:	* - 3 or more	G
Significant hull alterations:	* - 3 or more	H
Significant keel alterations:	* - 3 or more	K
Non-standard use of retractable (lifting) keels and dagger boards:	* - 3 or more	L
Adjustment for "non-standard" hiking and "hiking aids":	* - 3 or more	N
Significantly altered rig; thinner mast, mast bend equipment, more stays, etc.:	(as estimated)	R
Adjustment for multiple jibs (indicator only):		W

P. SAMPLE CODES:

Standard class boat, inboard engine: 5555
 Standard class boat, outboard engine: 555M
 Modified class boat: 6U74G

6 = NS Jib	SAFJ 1.04	3 Faster
U = NS Spinnaker	SAFS 1.18	15 Faster
7 = NS Mainsail	SAFM 1.03	6 Faster
4 = NS Propulsion, IB engine with, solid 2 blade prop on strut		6 Slower
G = Miscellaneous adjustment, removal of standard equipment, see Handicapper for adjustment.		

Q. BOAT ALTERATIONS AND RATING ADJUSTMENTS:

It is recommended that PHRF-NW members do not alter sails or boats in order to optimize rating based on the above adjustment schedules. All of the adjustments are subject to change, by action of the Handicappers Council.

Rudder replacements or modification of existing rudders that are identical in construction, area, profile, balance and weight, including the rudder post, if applicable, and location of rudder post in the hull, are allowed. If the rudder differs in any way from this definition, a rating adjustment will be applied until such a time as the observed performance shows that the change does not affect the speed potential.

One must recognize that there is a "probable error" in every "Standard Class Rating" as well as in every "adjustment". The Council works continually to find the amount and direction of such "probable errors" and if found, it makes corrections with intent of further minimizing "probable errors".

R. MULTIHULL RATINGS:

The Multihull Rating protocol is managed by the Multihull sub committee. For questions about multihull ratings, see the committee chair listed in the contacts roster.

S. RECOMMENDATIONS FOR “TIME-ON-TIME” SCORING:

The PHRF-NW Handicappers Council recommends that participating yacht clubs consider using the following Time-On-Time scoring method for correcting finishing times. The Time-on-Time method determines corrected finish times in seconds by multiplying the elapsed time in seconds (or hours) by the T/T rating determined by the following conversion formulas:

$$\begin{aligned} \text{Time On Time Conversion Factors:} &= 650/(520 + \text{T/D Rating}) && \text{(seconds per second)} \\ &= 2340000(520 + \text{T/D Rating}) && \text{(seconds per hour)} \end{aligned}$$

This method has been in use for many years in other areas. The formula was refined for local conditions based on a regression analysis of over 75 major races. The analysis of past Puget Sound races indicates that it produces more equitable or the same race results in most of the races analyzed. The Time-on-Time corrected race results were fairer because finish times after correction were closer regardless of the rating and the corrected average speeds were on the average 9% closer.

Why Time-on-Time works better: The velocity prediction program (VPP) data from IMS Certificates was used to analyze the average speed around a theoretical course. It showed race results are improved by using Time-on-Time scoring for the following reasons.

1. VPP shows that at low wind speeds faster rated boats will sail well above their PHRF rating. Because the slower boats spend proportionally more time on the course they therefore get more help with the Time-on-Time method. It therefore gives closer finishes times.
2. Tide is a higher percentage of the slower rated boat's speed during a race sailed in adverse tide. Because a slower rated boat spends proportionally more time on the course due to the adverse tide, they get more help with the Time-on-Time method. This gives closer corrected finishes.
3. A race sailed in favorable tide will give a greater percentage speed increase to slower rated boats. With Time-on-Time, because they cover the course in proportionally a shorter elapsed time, they get less of a time correction. Finish times are therefore closer giving fairer racing.
4. Down wind the VPP predicts that slower rated boats have an advantage in proportion to their rating. PHRF ratings are based on races with both a beat and a run. A race sailed downwind with spinnakers all the way around the course therefore gives slower rated boats a great advantage. With Time-on-Time, because slower rated boats cover the course in proportionally a shorter elapsed time, they get less of a time correction therefore finish times are closer giving fairer racing.
5. The VPP shows faster rated boats have a significant advantage in proportion to their rating on a beat into the wind. The slower rated boats cover the course in proportionally a longer elapsed time. With Time-on-Time they get more of a time correction therefore finish times are closer.
6. Larger boats have an advantage with heavy seas when going to weather. Because a slower rated boat spends proportionally more time on the course, Time-on-Time gives more of a time correction to slower boats.
7. The results are more accurate because they are not affected by inaccurate course lengths. Competitors can calculate how they did at the finish without knowing the course length.
8. When sailing in a dying breeze, the time for the smaller boat to travel the distance between herself and a faster competitor significantly increases. At a speed of 6 knots, for example, it could have traveled the one mile distance in 10 minutes; whereas at 2 knots it will need 30 minutes to cover the same mile. The Time-on-Time method will provide some compensation for this.

The only instance when Time-on-Time scoring fails is when all boats have completely stopped moving. In this case, the handicap correction increases without a change between boats. Any handicap system will have a problem with this situation and also in the case where the faster boats sail into a hole and the slower boats sail up to them. In practice however this often is not as bad as the perception of the crew on the faster rated boat because modern design boats seldom completely stop.

The race committee will frequently abandon this type of race in fairness, or the time limitation will run out. It is interesting to note that in the '90 Pulley Point race where the faster boats sail into a hole and the slower boats sail up to them the result looked no worse with the T/T method than the T/D method when comparing

races scored by Time-on-Distance with Time-on-Time.

There has been a minimal effect on the finish places within classes with rating spreads less than 30 seconds/mile. A change in position will occur when finish times are very close and normally it will be only one position. The positions will change significantly when there is a large spread in ratings; for example the overall results for a race with a number of classes will have some boats which change several positions in the overall results.

It can be expected that when Time-on-Time is used, the owners of larger boats tend to be concerned because smaller boats more often will correct out for the overall places.

Analysis has demonstrated that the Time-on-Time method of scoring races will provide more equitable racing. Because race results are usually greatly affected by variations in boat preparedness, crew skill and luck, etc. the only way to judge how well the scoring method works is to run a regression analysis on a large sample of say over 30 boats.

A fair race will have the following criteria:

1. The regression line for the corrected average speed around the courses should be close to level indicating all boats regardless of rating had an equal chance of finishing first.
2. There should be a minimum spread in corrected finish times.

The Time-on-Time conversion formula(s) above can be used at any time during a race to evaluate how your corrected elapsed time compares to a competitors corrected elapsed time at a mark of the course. Just write down the elapsed times and multiply each by the conversion factor for each boat.

Ask your club race committee to make this comparison on races in your area so an accurate evaluation can be made on the merits of Time-on-Time scoring method.

T. RECOMMENDATIONS FOR CREW WEIGHT LIMITS:

PHRF-NW recognizes that a boat's performance may, under certain conditions, be significantly enhanced by the addition of crew weight. Accordingly, PHRF-NW endorses the following crew weight limitations, as expressed as a crew number, for the discretionary use of race organizations, should those organizations choose to adopt these limitations in their race instructions:

BOAT LOA (Ft.)	CREW NUMBER	BOAT LOA (Ft.)	CREW NUMBER
20.00 or less	3	36.01 to 39.00	10
20.01 to 22.50	4	39.01 to 42.00	11
22.51 to 25.00	5	42.01 to 45.00	12
25.01 to 27.50	6	45.01 to 48.00	13
27.51 to 30.00	7	48.01 to 51.00	14
30.01 to 33.00	8	51.01 to 55.00	15
33.01 to 36.00	9	55.00 to 60.00	16

For boats greater than 60 feet in overall length, 16 crew plus one additional crew for each 5 feet of length greater than 60 feet.

Crew weight limitations shall not be applied to crew 12 years of age or younger.

U. RECOMMENDATIONS FOR “CRUISING CLASS” RATING ADJUSTMENTS:

PHRF-NW recognizes a need to accommodate those member boat owners and sailors who may wish not to maintain their boats or racing skills at the performance level implied by a standard PHRF-NW boat rating. Accordingly, PHRF-NW endorses the following “cruising class” rating adjustments, as expressed in seconds per mile, for the discretionary use of race organizations in local or Sub-Regional “cruising class” racing events, should those organizations choose to adopt these adjustments in their race instructions:

“CODE”	CATEGORY AND RATING ADJUSTMENT
FG	Roller furling genoa with LP greater than 120% J, + 3 seconds.
FM	Roller furling mainsail, +3 seconds.
AE	Windlass, stem head, or pulpit mounted anchor, + 3 seconds.
SI	Sail Inventory averaging 5 to 10 years in age, + 3 seconds. For sail inventory averaging more than 10 years, use + 6 seconds.
DM	Displacement modifications, + 3 seconds for each 3% of increase to rated displacement.
BC	Bottom condition, + 3 seconds for minor blistering. For major blistering and/or significant bottom growth, use + 6 seconds.
PF	Performance factor, discretionary adjustment as determined by race organization for observed skipper and crew performance, up to + 9 seconds for boats rating 120 or faster, and + 15 seconds for boats rating 121 or slower.

Cruising class adjustments may be applied only to boats with current and valid PHRF-NW Rating Certificates, and shall be made known to all “cruising class” race participants prior to any race event in which the adjustments are to be applied.

By endorsing these recommendations, PHRF-NW intends to encourage race organizations to offer “cruising class” racing options within the framework of their general race and regatta events, where such events are conducted at a local or Sub-Regional level.

V. ONE-DESIGN RATINGS (ODR) AND LEVEL PHRF RATINGS

PHRF-NW handicap protocol sometimes produces rating variations for boats that most would otherwise consider level, such as one-design fleets. For this reason, PHRF-NW offers one-design ratings to boat classes recognized by ISAF as international one-design classes or by US Sailing/Canadian Yachting Association as national one-design classes. Recognized classes can be found at the ISAF or national authorities respective websites.

For these recognized national or international one-design boats, owners may request a one-design rating by submitting a valid and current class certificate, or provide a signed statement that the boat meets the one-design requirements of the class, in place of the required PHRF-NW sail dimensions. The boat must be sailing in the configuration defined by the class rules. Owners must report to PHRF-NW any changes to the class rules that affect performance. When rated as a one-design, the designation ODR will replace the rating code in the 4th column of the PHRF-NW Roster and on the PHRF-NW rating certificate. Any new sails or changes to the boat must be certified by the class and reported to PHRF-NW.

The ODR rating reflects the boat being sailed as specified in the class rules, which may allow droop hiking (Soling, Stars) or having no motor (Etchells), etc. No adjustments are to be applied to an ODR rating. Boats of a One-Design class, but which do not meet the class specifications will be considered a different boat type and will be rated off that different base.

PHRF NW APPROVED ONE DESIGN YACHT STANDARDS (At time of publication.)

The below listed "ODR" ratings are available to members that conform to their yachts class rules when sailing their boats in a PHRF fleet. All that is required to obtain an ODR rating for your boat is a signed statement that you are sailing in compliance with ODR class rules. Please remember though that receiving an ODR rating from PHRF-NW does not relieve you from the requirement to conform to the race organizer's sailing instructions for any specific event.

- | | | |
|-----------------------|------------------------------------|--|
| 1. ETCH22-ODR at 123 | 6. JBOA80-ODR at 129 | 10. FARR395-ODR at 39 |
| 2. JBOA35-ODR at 72 | 7. OLSN30-ODR at 99 | 11. FLT110-ODR (Flying
Tiger) at 57 |
| 3. MART242-ODR at 168 | 8. MOOR24-ODR at 168 | |
| 4. MELG24-ODR at 99 | 9. THUN26-ODR (J24
spin) at 195 | |
| 5. VIPR640-ODR at 105 | | |
| 12. MUMM30-ODR at 54 | | |

BYLAWS OF THE PACIFIC HANDICAP RACING FLEET OF THE NORTHWEST

*Rev. 10/2016

ARTICLE 1. NAME

- 1.1 The name of the corporation shall be the PACIFIC HANDICAP RACING FLEET OF THE NORTHWEST, hereafter referred to as PHRF-NW or the corporation.

ARTICLE 2. OBJECTS AND PURPOSES

- 2.1 It shall be the prime objective of this corporation to promote sailboat racing in the Pacific Northwest and British Columbia by maintaining an equitable system of handicap ratings of member boats for the use of yacht clubs and other sponsors of sailboat races. The system may be based upon the speed potential of sailboats while racing. The corporation shall assist Class A member yacht clubs and associations and race sponsors in the use of its rating or handicap systems and make available information concerning the systems, the ratings of individual boats to Class A and B members, interested yachting organizations, and the public.

ARTICLE 3. MEMBERSHIP

- 3.1 There shall be two classes of nonvoting members: Class A and Class B. Both classes of members shall pay annual dues or fees in the amount fixed by the PHRF-NW Board of Directors from time to time. The Board of Directors may establish other classes of membership, such as associate, honorary and life members.
- 3.2 Class A members are established yacht clubs and sailing associations, approved for membership by the Board of Directors. Each Class A member must have a minimum of 5 PHRF-NW Class B members in its membership.
- 3.3 Class B members are individuals who own or charter sailboats that participate in races using PHRF-NW handicaps or have a demonstrated interest in PHRF racing, that participate in races using PHRF-NW handicaps. Class B members shall obtain a standard rating or handicap for each boat owned and raced and meet any other qualifications of membership which the PHRF-NW Board may set from time to time.

ARTICLE 4. DIRECTORS

- 4.1 The management of the corporation is vested in its Board of Directors. The Board shall establish all policy concerning the operation and direction of the affairs of the corporation. Only Class B members may serve as Directors. The Chief Handicapper shall serve as an Ex-Officio member of the Board of Directors without the right to vote.
- 4.2 Each Class A member is entitled to designate a *Class B member who is also a member of the Class A entity* to serve as a Director of PHRF-NW. Whenever the new Director is designated to succeed or replace the person previously designated, the corporation shall be notified of the change in writing prior to the next scheduled meeting of the Board of Directors. The decision to designate or replace a Director is the sole responsibility of the Class A member. Any Director, or the Chief Handicapper may be removed with or without cause by a 2/3 vote of the Directors attending the annual or a special meeting of the Board of Directors at which removal is considered. A Class A member may also designate a *qualified* person to serve as an alternate Director to attend and participate in the affairs of the Board of Directors in the absence of the primary Director. A written notice of the appointment of an alternate Director shall be *submitted to the Secretary/Treasurer prior to commencement of any meeting* the alternate Director is to attend in lieu of the primary Director. *The notice shall state that the alternate Director is representing the Class A member and shall bear either the signature of a current officer of the Class a member or both the current Director and the alternate Director.*
- 4.3 All voting by Directors, with the exception of the election or removal of Officers, shall be by a weighted vote. Each Director is entitled to cast a vote for each Class B member in good standing that belongs to the yacht club or sailing organization that the Director represents. The number of votes each Class A

member can cast is based upon the official membership records of the corporation as of the end of the month prior to the date of the meeting. *Voting for either selection or removal of an Officer shall be one vote per Director. No Director may vote by proxy.*

- 4.4 The Board can act at regular or special meetings or written action approved without a meeting by all Directors. *Meetings may utilize electronic methods of attendance and "written action" includes use of email. Votes taken when all voting Directors are not physically in one location shall be stated in a manner that the vote can be "yes" or "no". The quorum requirements of Article 7.4 apply to all such votes.*
- 4.5 Each Director shall serve on the Board until a successor is designated by *the Class A member the Director represents* or until the number of Class B members *the Class A member represents* falls below five.

ARTICLE 5. OFFICERS

- 5.1 The elected Officers of the corporation shall consist of the President, *the First Vice President, the Second Vice President, the Secretary/Treasurer, the Chief Handicapper, and the immediate Past-President. All officers shall be current Directors of PHRF-NW.*
- 5.2 The President shall serve as the Chief Executive Officer of the corporation and carry out or execute all policies and directions from the Board. The President shall preside at all meetings of the Board.
- 5.3 The First Vice President shall act as Chairman of the Board in the absence of the President; shall succeed the President in the event of death, disability, resignation or removal of the President; and shall carry out such other assignments or duties as may be prescribed by the Board.
- 5.4 The Second Vice President serves as Chairman of the Bylaws Committee, and be responsible for recommending Bylaw changes. The Second Vice President shall carry out other assignments or duties as may be prescribed by the Board of Directors.
- 5.5 The Secretary/Treasurer is responsible for all of the records and accounts of the corporation and managing its funds. The Secretary/Treasurer shall supervise the publication and maintenance of membership and other records of the corporation.
- 5.6 *The Chief Handicapper shall be nominated by the Handicappers Council and approved by the Board. The Chief Handicapper shall be Chair of the Handicappers Council, and shall carry out or execute all policies and directions from the Board.*
- 5.7 The Board may engage a business manager and others as deemed necessary to administer the affairs of the corporation and assist its Officers and Directors in the execution of their duties.
- 5.8 Officers are elected for one-year terms by the Board of Directors and serve until their successors are elected. Term of office shall be from January 1 to December 31. There shall be no limit on number of terms a person may hold an office.
- 5.9 Any Officer may be removed with or without cause by a two-thirds vote of the Directors attending the annual or a special meeting of the Board at which removal is considered.
- 5.10.1 The Officers of the corporation and business manager may function as an Executive Committee to conduct the day-to-day affairs of the corporation. The committee is authorized to meet, as needed, or to conduct its business by telephone conference call. The President will chair the Executive Committee. Either the President or Secretary/Treasurer is authorized to call a meeting of the committee.

ARTICLE 6. HANDICAPPERS COUNCIL

- 6.1 The Handicappers Council shall be made up of the Class B individuals designated by Class A members and approved by the Chief Handicapper. Additional local Handicappers may be appointed as needed for special projects and research. A Handicapper appointed by the Chief Handicapper may be removed with or without cause at the sole discretion of the Chief Handicapper, with 24 hours notice.
- 6.2 The Handicappers Council shall establish and maintain the policies, rules and procedures for systems to handicap or rate the sailboats owned or chartered by Class B members of PHRF-NW. The Council shall operate in accordance with these Bylaws and policies established by the Board of Directors. The Council

shall prepare and maintain a manual for use by its members, which sets out the handicap system.

- 6.3 The handicap system of PHRF-NW is based upon speed potential of individual sailboats determined by demonstrated speed of boats which are expertly sailed and well equipped and conditioned. The details of the speed potential handicap system and its procedures are to be incorporated into a Manual by the Handicappers Council.
- 6.4 Class B members may obtain a rating or handicap for use for one sailboat during a year although in the event of a purchase or sale of a boat the member can have a successor rated for that year. A Class B member who wants a rating for more than one boat which is owned or chartered must pay separate dues or rating fee for each additional boat annually.
- 6.5 The Council shall prepare and maintain a Roster published annually which includes the names and current rating of each Class B member sailboat at the time of publication based upon speed potential procedures currently being used by the PHRF-NW. Supplements to the Roster shall be published periodically on the website as needed to reflect such things as changes in ownership of boats, changes in ratings, and ratings of new boats. The information in the Manual and Roster is proprietary to PHRF-NW and its members, and may not be furnished to third parties without authorization of the Executive Committee.
- 6.6 The Council shall establish a procedure for resolving protests and appeals of the ratings of an individual boat by a Class B member. Grounds for appeal may include, but are not limited to, discrepancies between actual performance and assigned handicaps and a discrepancy in the boat or its equipment from its current rating code. The details and procedures for resolving protests and appeals shall be included in the Manual containing the rules and other criteria for the PHRF-NW handicapping system and Rosters of members and the ratings of their boats.
- 6.7 A regular meeting of the Handicappers Council shall be held each year *before the end of February*. Special meetings of the Council may be called by the Chief Handicapper as needed. *Fourteen days written notice of regular or special meetings of the Council is required. Meetings may utilize electronic methods of attendance and "written action" includes use of email. Votes taken when all voting Handicappers are not physically at one location shall be stated in the manner that the vote can be "yes" or "no."*
- 6.8 Any Handicapper may be removed with or without cause by a 2/3 vote of the directors attending the annual or a special meeting of the board of directors at which removal is considered. Voting for removal of a Handicapper shall be one vote per director rather than the weighted voting.

ARTICLE 7. MEETINGS

- 7.1 The annual meeting of the Board of Directors shall occur in *October* of each year at a time and place designated by the President. Special meetings of the Board can be called as needed by the President or Secretary/Treasurer upon seven days written notice.
- 7.2 The regular meeting of the Handicappers Council shall be held *before the end of February each year*. Written notice of the time and place of the regular meeting shall be *sent* by the Secretary/Treasurer to the *Handicappers Council and Board members* at least *14 days* prior to the meeting.
- 7.3 All meeting notices shall be in writing and include a proposed agenda for the meeting.
- 7.4 A quorum for any Directors meeting shall consist of 25% of the total individual Directors of PHRF-NW who possess at least 50% of the weighted voting power of the total Board. All Board actions, except those to amend the bylaws, shall be approved by a majority of quorum. **** (See Article 12 for Bylaw voting.)*
- 7.5 Matters to be considered at the annual Board meeting and included on its agenda shall include the President's and other Officers' reports, the Chief Handicapper's report, any changes in the Bylaws included on the agenda, and a financial report from the Secretary /Treasurer. Election of Officers shall also occur at the annual regular meeting.
- 7.6 The new President may take such actions as are reasonable and necessary to involve incoming and outgoing Officers in the orderly transition of responsibility for management of the corporation.

ARTICLE 8. COMMITTEES

- 8.1 In addition to the regular committees specified herein, the President may establish special committees and appoint individuals to serve thereon as deemed necessary to carry out the affairs of the corporation.
- 8.2 The Handicappers Council is a regular committee of the corporation. Its organization, participants and affairs shall be conducted in the manner provided for in these Bylaws.
- 8.3 Regional committees comprised of the local Handicappers and Directors from a specified area may be organized to assist in the management of the corporation. Each regional committee shall be approved by the Board of PHRF-NW. The purpose and objective of regional committees is to accommodate special needs or concerns resulting from political boundaries, geographical isolation, local conditions which require special treatment by Handicappers, or such other purposes the Board deems reasonable.
- 8.3.1 Regional committees are authorized to establish regional handicaps on boats within the region. The use of regional handicaps is limited to the region establishing them.
- 8.3.2 Regional committees shall prepare and submit an annual report to the Handicappers Council for the annual regular meeting, including the regional handicap for all rated boats. Minutes shall be prepared for all meetings of regional committees describing actions taken and other information for use by the Handicappers Council.
- 8.3.3 Regional committees may not collect dues or other funds from PHRF-NW members without the prior approval of the PHRF-NW Board.
- 8.3.4 Regional committees may be approved or terminated by the Board of Directors. In order for a regional committee to be approved, information showing clear geographical boundaries, a list of the Class A and Class B members within the proposed region, the reason why a regional committee is needed, and how it will serve special interests or requirements of that region better than the Handicappers Council as a whole should be furnished to the Board. The business affairs of regional committees shall be conducted pursuant to the policies and processes set forth in these bylaws.
- 8.4 Each year the President shall appoint a Nominating Committee of not less than three board members at least sixty days prior to the annual meeting who shall nominate a slate of officers for the ensuing year. This committee shall report to the Board at its annual meeting.

ARTICLE 9. PROGRAMS

- 9.1 In order to promote handicap racing of sailboats throughout the Northwest, PHRF-NW shall provide assistance and information about the procedures for and rating of individual sailboats to Class A members, race committees, and other race sponsoring organizations using the PHRF-NW handicap format. The corporation may supply the names and addresses of the Class A or Class B members to race committees or other race sponsoring organizations, but for non-commercial purposes only.
- 9.2 All races and regattas using the PHRF-NW handicap system shall use PHRF-NW handicaps unless the event is designated by its organizer as inter-club only or regional with entries restricted to club or regional members only.
- 9.3 By providing a handicap or standard rating for a sailboat owned or chartered by a member, the corporation expresses no opinion about its seaworthiness, safety, stability, or suitability to sail. The corporation issues handicaps based solely upon the information and data for a boat provided by individual owner or charterer.
- 9.4 Each sailboat shall be rated or handicapped individually irrespective of whether it is a member of a one design class. Sailboats are not required to comply with class rules when racing in events using PHRF-NW handicaps or ratings.

ARTICLE 10. INDEMNIFICATION OF OFFICERS AND DIRECTORS

- 10.1 The corporation shall indemnify its Directors and Officers, including the Chief Handicapper, to the fullest extent permitted by the Washington Non-Profit Corporation Act, as the same exists or may be hereafter amended. However, benefits conferred by this provision shall not be diminished as the result of a change in the law for any acts or omissions which occurred prior to the amendment.

- 10.2 Without the necessity of entering into an express contract, all rights to indemnification under this bylaw shall be deemed to be contractual rights and be effective to the same extent as if provided for in a contract between the corporation and the Director or Officer who serves in such capacity at any time while the bylaw and relevant provisions of the Act, and any other applicable laws, if any, are in effect. Any right to indemnification granted by this bylaw to a Director or Officer shall be enforceable by or on behalf of the person holding such right in any court of competent jurisdiction if (a) the claim for indemnification is denied in whole or part, or (b) no disposition of such claim is made within ninety (90) days of the request for indemnification. A claimant for indemnification shall be entitled to receive the expense of prosecuting a claim, if successful in whole or part. It shall be a defense to a claim for indemnification that the claimant has not met the standards of conduct which make it permissible under the Act for the corporation to indemnify the claimant for the amount claimed.
- 10.3 The rights conferred on any person by this bylaw shall continue after that person has ceased to be an Officer or Director and shall inure to the benefit of that person's heirs, and executors and administrators.
- 10.4 Any repeal or change of this bylaw shall only be prospective, and no repeal or change shall diminish the right to indemnification under this bylaw in effect at the time of the alleged occurrence or omission to act that is the basis of any proceeding against an Officer or Director of the corporation.

ARTICLE 11. RULES

- 11.1 The affairs of the corporation, its committees and council shall be conducted in accordance with these Bylaws. *Robert's Rules of Order, Revised*, shall apply on parliamentary questions at all meetings.
- 11.2 *The primary means of official communication between the Board of Directors, Handicappers Council, and members of all Classes shall be electronic. The term "written" used in any of these Bylaws includes email. It is the responsibility of all members to maintain a current email address on file with the corporation.*
- 11.3 *All official communication transmitted to all members of a Class, the Board of Directors or the Handicappers Council shall also be posted on the PHRF-NW website as soon as practical after issuance. Agendas for all meetings shall be posted at least 7 days before the meeting.*
- 11.4 *The minutes of any scheduled meeting of the Board of Directors, the Handicappers Council or any subcommittee shall be posted to the PHRF-NW web site within 5 days of acceptance of those minutes by the meeting group. The meeting groups are also encouraged to post draft meeting minutes with 14 days of any scheduled meeting.*

ARTICLE 12. AMENDMENTS

Only the Board of Directors can amend the bylaws. Amendments must be approved by a 2/3 majority of the weighted vote of a quorum established at a regular or special meeting, or 2/3 majority of the total weighted vote if by mail ballot.

2017 PHRF NORTHWEST OFFICER CONTACTS

OFFICERS:	CLUB	NAME & PHONES	ADDRESS
PRESIDENT CNT CORINTHIAN-TACOMA		ERIC NELSON H : 253- 380-3947	4501 NORTH 34 TH ST TACOMA WA 98407 EMAIL: ENelson@wamail.net
1 st VP NYC NANAIMO		BILL ALLAN W: 250-754-6828	1ST FLOOR, 324 TERMINAL AVENUE NANAIMO BC V9R5C8 EMAIL: waallan@shaw.ca
2 ND VP CN CORINTHIAN SEATTLE		CHARLIE MACAULAY M: (425) 766-3822	PO BOX 812 SNOQUALMIE, WA 98065 EMAIL: cmacaulay@centurytel.net
SECRETARY TREASURER AN ANACORTES		ANDY SCHWENK C: 360 770 7035	1312 35th ANACORTES WA 98221 EMAIL: Andy@nwriggering.com EMAIL:
PAST PRESIDENT PM		DAVID LYNCH H: 206-550-2096	15124 EUCLID AVE NE BAINBRIDGE ISLAND WA 98110 EMAIL: dhlynch@gmail.com

PHRF NW 2017 DIRECTOR CONTACTS

Directors determine policy and select the Officers. One Director is appointed by Class A Members with a minimum of five (5) or more Club Members who are current Class B Members of PHRF-Northwest. Only current Directors who are representing active Class A member clubs are listed below.

YACHT CLUB	NAME & PHONES	ADDRESS
AN ANACORTES	ANDY SCHWENK C: 360 770 7035	1312 35th ANACORTES WA 98221 EMAIL: Andy@nwrigging.com
BL BELLINGHAM	DAVID STEFFEN H: 360-647-9147	1093 CEDAR HILLS AVE BELLINGHAM, WA 98229 EMAIL: dmsteff@aol.com
CN CORINTHIAN SEATTLE	CHARLIE MACAULAY M: (425) 766-3822	PO BOX 812 SNOQUALMIE, WA 98065 EMAIL: cmacaulay@centurytel.net
CNB CORINTHIAN-BELLINGHAM	ROB GALBRAITH H: 360-671-9146 W: 360-650-3368	1915 GOVERNOR RD BELLINGHAM WA 98229 EMAIL: rob.galbraith@comcast.net
CNT CORINTHIAN-TACOMA	ERIC NELSON H: 253- 380-3947	4501 North 34th Street TACOMA WA 98407 EMAIL: ENelson@wamail.net
CNW CORINTHIAN WEST SOUND	GARY SEIBERT H: 360-620-9545	11011 64 th AVE NW GIG HARBOR WA 98332 EMAIL: garys06@comcast.net
MP MAPLE BAY	KIRK PALMER H: 250-658-5151	4817 AMBLEWOOD DR VICTORIA BC V8Y2S5 EMAIL: kpalmer@victoriabox.ca
NYC NANAIMO	BILL ALLAN W: 250-754-6828	1ST FLOOR, 324 TERMINAL AVENUE NANAIMO BC V9R5C8 EMAIL: waallan@shaw.ca
NWMA NORTHWEST MULTIHULL	MARTYN ADAMS H: 206-817-4904 W: 206-817-4904	21903 82nd PI W EDMONDS WA 98026 EMAIL: mckadams@aol.com
OI ORCAS ISLAND	BETSY WAREHAM H: 360-376-4258 W: 360-376-2314 F: 360-376-4634	PO BOX 119 525 DEER HARBOR RD ORCAS ISLAND, WA 98280 EMAIL: sailorocas@hotmail.com
PYC PORTLAND	MARY STAINSBY H: 503-310-2478	34846 WESTBORO WAY ST HELENS OR 97051 EMAIL: mjssail@msn.com
SH SHILSHOLE BAY	MICHEAL THOMPSON H: 206-972-0750	PO BOX 99474 SEATTLE WA 98139 EMAIL: mikecomp_98199@hotmail.com
ST -1 SLOOP TAVERN	KEN CHIN H: 206-818-7217	7217 SYCAMORE AVE NW SEATTLE WA 98117 EMAIL: kenchin_17@hotmail.com
SYS SMALL YACHT SAILING	MIKE STAINSBY C: 503-310-0478	34846 WESTBORO WY ST HELENS, OR 97051 EMAIL: mjssail20@gmail.com

YACHT CLUB	NAME & PHONES	ADDRESS	DIRECTORS
TT THREE TREE POINT	TOM DAVIS H: 253-848-5492	8608 29TH ST CT E PUYALLUP WA 98371 EMAIL: tdavisconst@hotmail.com	
TA TACOMA	BILL NELSON H: 253-566-8080	8011 56th ST CT W UNIVERSITY PL, WA 98467 EMAIL: phrfbill@gmail.com	

PHRF NW 2017 HANDICAPPERS

Handicappers are nominated by the Class Members and approved by the Chief Handicapper. Handicappers have sole discretion to determine the PHRF-NW handicap ratings. All Handicappers together constitute a Council which, of course, can override the decisions of individual Handicappers, and which supervises the task of keeping ratings fair and equitable throughout the fleet. Yacht Clubs must maintain Class A membership to be eligible to have their own handicapper. Present Handicappers that represent only Class A yacht clubs and their sub regions are listed here:

YACHT CLUB	NAME & PHONES	ADDRESS	HANDICAPPERS
CHIEF HANDICAPPER BL BELLINGHAM	NEIL BENNETT H: 206-919-0371 W: 425-949-4403	5005 E. Oregon St BELLINGHAM WA 98226 EMAIL: neil@osc-voc.com	
AN ANACORTES	COLIN EMSLEY H: 360-333-2387	2200 20 TH PL ANACORTES WA EMAIL: colinsmarine@gmail.com	
CE CORINTHIAN EDMONDS	PAUL VEZETINSKI H: 425-712-9552	719 DRIFTWOOD PL EDMONDS WA 98020 EMAIL: pjvez@hotmail.com	
CN CORINTHIAN-SEATTLE- ALL BOATS	MATTHEW WOOD C: 206 501 8971	3247 NW 59 th St SEATTLE, WA 98107 EMAIL: cabsavfan@hotmail.com	
CNB CORINTHIAN BELLINGHAM	TODD KOETJE H: 360-752-1847	3328 STONECROP WAY BELLINGHAM WA 98226 EMAIL: todd.koetje@www.edu	
CNT CORINTHIAN-CORINTHIAN TACOMA	RON HOLBROOK H: 253-826-5109	10024 181ST AVE E SUMNER WA 98390 EMAIL: ronholbrook@comcast.com	
CNW CORINTHIAN WEST SOUND	DAN WIERMAN H: 360-710-4920	3191 BOOTLEG HILL PL NE BREMERTON WA 98310 EMAIL: svgreatwhite@q.com	
FH FRIDAY HARBOR	BETSY WAREHAM H: 360-376-4258 W: 360-376-2314 F: 360-376-4634	PO BOX 119 525 DEER HARBOR DR ORCAS ISLAND, WA 98280	
MIL MILLTOWN	ALAN GRIM H: 425-377-0177	11908½ N LAKESHORE DR LAKE STEVENS, WA 98258 EMAIL: alcubed@comcast.net	
MP MAPLE BAY	KIRK PALMER H: 250-658-5151	4817 AMBLEWOOD DR VICTORIA BC V8Y2S5 EMAIL: kpalmer@victoriabox.ca	

YACHT CLUB	NAME & PHONES	ADDRESS	HANDICAPPERS
NYC NANAIMO	RICHARD SIMPSON H: 250-753-7701	NANAIMO BC V9R2KS EMAIL: ooviloosailing@gmail.com	
NONE 1 NO YACHT CLUB WASHINGTON	ALAN GRIM H: 425-377-0177	11908½ N LAKESHORE DR LAKE STEVENS, WA 98258 EMAIL: alcubed@comcast.net	
NONE-2 NO YACHT CLUB OREGON	MIKE STAINSBY C: 503-310-0478	34846 WESTBORO WY ST HELENS, OR 97051 EMAIL: mjssail20@gmail.com	
NWMA-1 NW MULTIHULLS OUT OF REGION	PAT MCGARRY H: 206 601 1003	188 SUQUAMISH WAY LA CONNER WA 98257 EMAIL: windntideirishsetters@gmail.com	
OH OAK HARBOR	SHANNON BUYS H: 360-678-9025	1035 WEST BEACH RD COUPEVILLE WA 98239 EMAIL: sbuys@juno.com	
OI ORCAS ISLAND	BETSY WAREHAM H: 360-376-4258 W: 360-376-2314 F: 360-376-4634	PO BOX 119 525 DEER HARBOR DR ORCAS ISLAND, WA 98280	
PA PORT ANGELES	DAN WIERMAN H: 360-377-6772	3191 BOOTLEG HILL PL NE BREMERTON WA 98310 EMAIL: svgreatwhite@q.com	
PM PORT MADISON	DAVID LYNCH H: 206-550-2096	15124 EUCLID AVE NE BAINBRIDGE ISLAND WA 98110 EMAIL: dhlynch@gmail.com	
PYC PORTLAND YC	MIKE STAINSBY C: 503-310-0478	34846 WESTBORO WY ST HELENS, OR 97051 EMAIL: mjssail20@gmail.com	
SEQ SEQUIM	DAN WIERMAN H: 360-377-6772	3191 BOOTLEG HILL PL NE BREMERTON WA 98310 EMAIL: svgreatwhite@q.com	
SS SOUTH SOUND	RAFE BESWICK H: 360 250-5252	1603 EVERGREEN PK LN SW OLYMPIA, WA 98502 EMAIL: rafebeswick@hotmail.com	
ST-1 UNDER 30' SLOOP TAVERN	DAN RANDOLPH H: 206-909-2800	6002 3RD AVE NW SEATTLE WA 98107 EMAIL: dlrandolph64@hotmail.com	
SYS SMALL YACHT SAILING	MIKE STAINSBY C: 503-310-0478	34846 WESTBORO WY ST HELENS, OR 97051 EMAIL: mjssail20@gmail.com	
TT THREE TREE POINT	MARK HARANG H: 206-235-5716	18666 BEVERLY RD SW NORMANDY PARK 98166 EMAIL: harang@comcast.net	

Clubs within each Sub-Region should include both active Class A member organizations and non-Class A member organizations which either have, or formerly had, Class B members. The geographical area covered by each Sub-Region includes both Class A and non-Class A organizations and all Class B members at any given point in time.

2017 CLASS A PHRF NW ELIGIBLE MEMBERS

- | | | |
|---|---|---|
| <ul style="list-style-type: none"> • AN- ANACORTES • BL-BELLINGHAM • CE-CYC EDMONDS • CNB-BELLINGHAM • CN-CORINTHIAN SEATTLE • CNP- CORINTHIAN PORTLAND • CNT- CORINTHIAN TACOMA | <ul style="list-style-type: none"> • CNWS-WEST SOUND • GH- GIG HARBOR • MIL-MILLTOWN • NWMA- MULTIHULLS • NYC-NANAIMO • OI-ORCAS ISLAND • PM- PORT MADISON • PYC- PORTLAND • RC- ROSE CITY • RVC ROYAL VICTORIA | <ul style="list-style-type: none"> • SE-SEATTLE • SH-SHILSHOLE BAY • SSSS-SOUTH SOUND • ST-SLOOP TAVERN • SYS- SMALL YACHT SAILING • TA-TACOMA • TT-THREE TREE |
|---|---|---|

*This list changes based on the actual number of PHRF NW members from year to year. If your club is on the list and eligible for Class A membership benefits as indicated by the asterisk, please contact the PHRF NW office to get more information.

PHRF NW HANDICAPPER SUB-REGIONAL GROUPS CLUB ASSIGNMENTS

BRITISH COLUMBIA SUB COUNCIL –(not currently chaired)

All of British Columbia, including Vancouver Island, the Gulf Islands, the Sunshine Coast and all of Alaska.

CA	NONE-3	RVN	TH
CF	NONE-4	SCM	SEAS
IYC	NYC	SID	VRY
LAD	PEND	SSI	WV
MP	RVC		

MULTIHULL SUB COUNCIL CHAIR- MARTYN ADAMS - All of PHRF-NW Multihull regions; NWMA 1, 2, 3,4

PORTLAND SUB COUNCIL CHAIR- MIKE STAINSBY

All of Oregon and that portion of navigable southwestern Washington waters (Columbia River) extending from Cape Disappointment (Ilwaco) to Pasco.

AST	PYC	STH	TRI
CNP	RC	SYS	YAQ
HDR	NONE-2		

SEATTLE SUB COUNCIL CHAIR- MATT WOOD AT CN-1

All of Washington, Mainland Puget Sound, Inland fresh waters extending north above Three Tree Point to Everett, including Bainbridge Island and West Sound, and the remainder of Washington State not otherwise identified. All the portion of navigable west sound waters not including Gig Harbor but west of Vashon Island at the south and Hansville at the north, including all of the Hood Canal, and all of Montana, Idaho and California.

CE	SE-1	CNW	SI
CN-1	SH	BR	PL
MIL	ST-1-2	PT	MONTANA
LPO	NONE-1	PA	IDAHO
PM	SEQ	BR	CALIFORNIA

NORTH SOUND SUB COUNCIL CHAIR- Not currently chaired

All of Northern Washington waters to British Columbia extending north above Everett. including all San Juan Islands.

AN
BL

CNB
FH
OI

WINSA

SOUTH SOUND SUB COUNCIL CHAIR- RAFE BESWICK

All of Washington Pacific coastal waters extending north of Cape Disappointment to Cape Flattery (including Willapa Bay and Grays Harbor) and that portion of navigable south sound waters extending from northern tip of Vashon Island south and west to Olympia.

CNT
QM

GH
SS
TA

TT
OLY

2017 ROSTER OF PHRF NW MEMBERS

The following rosters of PHRF NW members are indexed by sail number, and boat name to assist race organizers and members in identification of yachts. Sail numbers and names are as reported by member owners. Please contact PHRF NW if corrections are necessary. The published roster represents completed 2017 members as of January 1st, 2017. Please check our website regularly for membership status, individual yacht data and rating updates. www.phrf-nw.org

Sail	Name	Rating	Code	Class	Club	Owners
0	FREJA	18	S575	AERO43-1	ST-1	JONATHAN M CRUSE
0	ALCYONE	333	3B33E	RAWS30-1	EHW	DEVON BLANKENSHIP
0	MYRICA	249	4755	VIKGM30	AN	VERNON LAURIDSON
0	LUCIA	198	454M	CAL29-1	CNT	PAUL CASE
0	EPILOGUE	81	2445	CHOY55P	NONE-1	GREG LEWIS
0	PEARL JEM	132	2115	JEAN42DS	OK	LARRY MUNNS
0	LITTLE ANNIE	207	3545	BENE265-1	AN	JOHN/ GERRI GUNN
0	CASCADIA	-39	1445	SCHU77-1	CH	TOM ALBERG
0	DRAGONFLY	93	5554	JEAN41-1	BR	JOHN GUJU
0	TANGO	204	3444	CAL34-1	SEAS	DAVID D'AMORE
0	STELLAR BLUE	126	36S5	HYLA49	SE-1	WILLIAM SMITH
0	BLUE JAY	123	5235	BENE41-OC	CNT	RICK GARRITY
0	WINDRIFT	210	3355	NEWP28-2	MIL	MARK FEIJO
0	BOADICEA	177	2355	ERIC23-2	ST-2	SIMON. BECKY FFITCH
1	GOOD ENOUGH	129	165M	DART25-1	NONE-2	ERIC LARSEN
1	B TEAM	129	5U5MKKE	BBOA25-1	ST-1	LANCE STAUGHTON
1	JOLLY GREEN	129	ODR	JBOA80-ODR	CN-1	MICHAEL POOLE
2	QUERENCIA	189	3644	CUST39	PM	TOM HUDSON
2	OGOPOGO	114	2U6M	DART25-1	PM	PAUL FAGET
3	RACHEL	123	4645	DASH34-1	AN	ROY RARD
3	EYE EYE	69	145M	XJBOA90	LPO	DAVID COHEN
4	TRIM	117	187M	DART25-1	NONE-1	TODD/ CYNTHIA WYRICK
4	TURBO	147	229M	MART244	SS	ERIC OLSEN
4	SLEAZY DOG	237	455M	RANW24-1	SH	MARK CARTER
5	OFF THE CHART	108	34RM	ELL770	RVC	MICHAEL TURNER
7	GRAYLING	144	3634	QBOAT	ST-2	DUKE H PHAN
8	EXODUS IV	120	1245	CATA470-1	RVC	RALPH LAPP
8	SEABISCUIT	207	5455	YANK28T	TT	ANDREW NORTON
9	JAZZ	130		F41	VRC	GRAHAM MCGLASHAN
9	ASTA	174	555M	OLSN25-1	TRI	NICHOLAS PIERCE
10	PRINCESA	195	2555	RANC30-1	DC	SIMON PALMER
10	CHINOOK	132	5555	CAL39-1	OI	JAMES ROSER
11	SILVER CLOUD	189	1535	PERR39	AN	TIM WENGER
12	PAX THE SPACE SPIDER	-10	555M	F32	NWMA-1	RODNEY J THARP
13	AMOORE	168	ODR	MOOR24-ODR	RVC	STUART / JOY DAHLGREN
14	POWER PLAY	81	4555	BENE10R	RVC	STEPHEN HILL
16	AMORILLO	168	ODR	MOOR24-ODR	ST-1	CLINT TSENG
17	KOWLOON	129	5555	OLSN911	ST-1	KEN CHIN
18	JAM	0	4455	JBOA160	GH	JOHN MCPHAIL
18	TOURIST	87	5555	JBOA100-1	SE-1	WILLIAM DANIEL
19	STILL EN D NILE	132	3655	OLSN911	RC	ALLAN WEBER
20	KERMIT	171	255M	XMART241-2	PYC	MICHAEL STAINSBY
22	HUKILAU	174	555M	OLSN25-1	TRI	ROBERT ULLMER
22	TIGGER	57	S36M	FLTH0-1	CNW	CODY PINION
24	HITCHED	249	S55M	SANT20-1	ST-1	KEVIN SWACKHAMER
26	BREEZE	132	3555	SWED36-1	SH	JOSEPH M BOZICK

Sail	Name	Rating	Code	Class	Club	Owners
26	MORE UFF DA	168	555M	MOOR24-1	ST-1	BRADEN
27	KAHUNA	48	S475	AERO38-1	TA	LEITZINGER/ MARKS
29	GRACE	39	1555	JBOA122-1	SE-1	ANDY MACK
29	RAVEN	135	5555	ABOT33	NONE-3	IAN KELLY
31	UNSCREWED	-10	555M	F25C	ST-1	DANIEL BLANCHARD
31	RECON	42	S365	JBOA111-1	AN	JENNY WELCH
33	HELIOS	87	3555	BENE36.7.1	CN-1	DAVID/ KAREN JAMES
34	CORVO	93	5555	JBOA33-1	SH	TOM KERR
36	MOUNTAIN	69	4455	JBOA109	ST-1	BERNHARDMORSE
37	THREE RING CIRCUS	174	555M	OLSN25-1	ST-1	NATE CREITZ
37	X-1	141	665MKE	BBOA25-1	NONE-1	DEREK STEERE
38	CHICANERY	172	556M	OLSN25-1	CNP	JOE ELLERTSON
38	GYPSY'S CHILD	183	S465	HARB25-1	MEY	STEPHEN SPONAR
39	FRENCH CURVE	120	5555	BENE35S7	SJ	LUIS COLASUONNO
40	RUSHWIND	162	2245	FASP39	SS	KENELM W RUSSELL
41	VICTORIA	99	6555	C&C99-1	CE	GRANT OSBERG
43	EQUINOX	69	4455	JBOA109-2	RVC	DAVE HOLLAND
43	OVERDRAFT	111	128M	FARE23-1	RVC	A HUGH WAINMAN-WOOD
44	SHADA	69	4W55	JBOA109-2	CN-1	J A WOODFIELD
45	MISTRAL	147	3542	CAL39-3	MIL	DEAN SEVON
47	SECOND HALF	201	2555	CATA30-2	SYS	WARREN DALBY
50	TIME BANDIT	54	5355	JBOA120-2	OI	ROBERT BRUNIUS
51	ELUSIVE	72	2555	C&C115-1	CN-1	JEFF WHITNEY
52	KINETIC V	-84	156M	TP52-5	RVN	DAVID SUTCLIFFE
53	NEFARIOUS	54	ODR	MUMM30-ODR	ST-1	DANIEL RANDOLPH
55	BAT OUT OF HELL	54	ODR	MUMM30-ODR	ST-1	LANCE STAUGHTON
57	WAR CANOE	54	ODR	MUMM30-ODR	CN-1	GOLDFARB/ CHRISTIANSEN
59	STARFIRE	270	422M	BLAN26	OI	STANLEY M MILLER
61	BON BINI	87	S435	JBOA88-1	CN-1	MARC FRAZER
62	FORTUNA	72	1555	C&C115-1	CN-1	DAVID DELANOY
63	LXIII	138	1555E	JBOA27-1	CN-1	DENNIS CLARK
68	GAUCHO	114	565M	ROSS930	CN-1	JOHN CAHILL
68	FALCON	186	5455	CAL9.2	CNW	BRYAN R MASSEY
70	SCOOT	162	238M	ULTI20-1	SE-1	JOHN SIBOLD
70	PAPARO	246	345M	ERIC27-1	MIL	PATRICK GREER
71	ROGUE	159	139M	ULTI20-1	EUG	BOB AMAN
75	MEI LI	171	5555	BENE32S5-2	MIL	GRANT L ALBERT
77	QUARK	162	238M	ULTI20-1	OI	ROBERT BRUNIUS
79	KITEFIN	165	256M	MART242	OI	STEPHEN / LYNN EMMES
80	LOONACY	252	4B45H	ALOH8.2	MP	NEIL/ MARILYN ANDERSON
81	REDSHIFT	-6	5555M	F9AR	NWMA-1	ADRIAN ROETT
81	SPARKLE	129	3345	C00081	NONE-1	GUY HUPY
82	HORIZEN	171	3555	CATA36-1	CNB	PETER HALLET
82	MCSWOOSH	66	S57M	X11METRE-1	SS	CLARK D MCPHERSON
83	WILD RUMPUS	156	556ME	SANZ27-1	AN	ANDY SCHWENK
84	OFF CONSTANTLY	156	556M	SANZ27-1	AN	JEFFREY HULME
86	LITTLE RED BOAT	234	456M	NSTR500-1	SEAS	DENISE WILTSE
87	SEA PUPPY	96	254M	F24-2	SEQ	BRUCE VON BORSTEL
89	JOY RIDE	42	2455	JBOA122-1	SE-1	JOHN MURKOWSKI
93	MURPHYS LAW	237	3444	ERIC29-1	SYS	DAN PETRIN
93	MISTY	147	6W44H	CASC36-1	RC	PAMELA SESAR
93	SLINGSHOT	162	138M	ULTI20-1	OK	RICK ALMBERG

Sail	Name	Rating	Code	Class	Club	Owners
95	SERENITE	102	4532	BENE46-1	ST-1	Victor Mushkatin
95	ROGUE	168	456M	MOOR24-1	BL	JEFF DUVALL
98	DULCE DOMUM	150	6585	HALB42-1	OI	BRUCE COFFEY
103	ANICCA	210	6542	CATA30-1	CNW	RICHARD KERBY
104	THE BANANA STAND	156	556M	SANZ27-1	ST-1	ADAM YURET
105	JULIET	243	454P	WILD21-1	NONE-1	PHIL BENEDICT
108	YEAH DOGG	174	555M	OLSN25-1	OK	CHAD HOLCOMB
109	WILD RIDE	42	66RM	HEND30-1	NONE-1	ROBERT FOLEY
109	BALLISTIC	24	217M	MELG32-1	CN-1	GORDY/JUDY COLE
117	THUNDERPIG	303	555M	RANW20-1	SYS	JACQUELINE PITTER
118	IMZADI	138	5555	LASE28-1	TRI	DOUG ULLMER
125	WICKED WAHINE	24	2K95	MELG32-1	SE-1	DARRIN TOWE
129	KA	111	ODR	VIPR640-ODR	AN	ORSINI/ JOHNS
131	LA LUCHA MOORE	168	ODR	MOOR24-ODR	ST-1	JOE GRIESER
131	DRAGONFLY	111	S27M	VIPR640-ODR	SS	RAFE BESWICK
134	STAY GOLD	126	5455	MORG36T-1	NONE-1	BRIAN BUGGE
137	FAR STAR	123	3545	HALB46-2	CN-1	DAVID CORNFIELD
141	WY'EAST	153	5935HR	CASC36-1	SYS	FRANK P COLISTRO
143	LIGHT SCOUT	54	4355	JBOA120-1	RVC	KIRK PALMER
151	SUNNYVALE	99	ODR	MELG24-ODR	RVC	FRASER MCMILLAN
151	WILD BLUE	51	5545	JBOA120-2	AN	MICHAEL PICCO
152	PESCE VOLANTE	48	555M	SPRINT750	NWMA-1	STEVE PESCE
154	SKOOKUM	117	5B5M	OLSN30-1	PYC	GEORGE BROWN
156	PYXIS	105	5555	TART3700-1	SE-1	DACK/ NORDQUIST
161	JEOPARDY	69	4W55	JBOA109-2	CNT	EDWARD W PINKHAM
162	SANCTUARY	243	5535	NONS26-1	AN	CHARLES WEBB
163	PURPLE MARTIN	165	256M	MART242	OI	BETSY WAREHAM
164	STARGAZER	165	SC65	VALT42-1	ST-1	KAUFFMAN/ CASE
174	BLACK MAJAC	-3	CT5F	A-CAT	NWMA-2	KIM ALFREDS
174	DULCINEA	93	S655	JBOA105	CNW	MATTHEW GARDNER-BROWN
177	SWEET SUE II	189	3C45	CATA36-1	MIL	DAVID MOTTER
180	ZZZAP	105	S55M	HOB133-1	RVC	GREG/VANESSA ZAPUTIL
190	JUAN PEQUENO	234	554M	SANJ24-1	AN	JOHN SANFORD
192	MOLIKA	235	4665	ALBN7.9	SYS	GARY BRUNER
203	CRAZY I'S	165	256M	MART242	OI	CHRIS T WHITE
210	HOBBS	237	S445	CAPR26-1	TT	STEVEN SISSON
212	LAST TANGO	93	S655	JBOA105	CN-1	JAMES GEROS
226	MARTHA	111	5542WKK	SCHOONER	NONE-1	SCHOONER MARTHA FOUND.
233	CELTIC BREEZE	159	1355	ERIC35-3	SH	GLEN KNITTER
239	INTUITION	81	5555	BENE36.7-1	CNB	JIM JOHANNESSEN
240	VITESSE	81	5555	BENE36.7-1	BL	DAVID STEFFEN
244	WINGS	120	565M	JBOA29-1	ST-1	LAURIE KAPLAN
248	TANTIVY	69	4W55	JBOA109-2	CN-1	STUART BURNELL
251	PLAYTIME	138	S655	JBOA29-1	LPO	PETER GRAVES
253	BRODERNA II	-3	558M	F31R	NWMA-1	NELS STRANDBERG
260	SPIFF	216	255M	RANC26-1	SS	TOM FELL
268	CHATTERBOX	87	4455	BENE36.7-1	CANF	ALAN BOCK
272	DELIRIUM	93	S655	JBOA105	CN-1	JERRY DIERCKS
275	TIOGA	123	5555Y	50YAWL	SE-2	FRANK/ AXEL SCHATTAUER
279	SKANA II	141	2C45	SABR386-1	ST-1	PHILIPPE LINDHEIMER
280	CAL ME CRAZY	300	155M	CAL20-1	TA	MARK LINDEMAN
287	DIVA	69	4455	JBOA109-2	RVC	JIM PRENTICE

Sail	Name	Rating	Code	Class	Club	Owners
304	NOFLYK	156	4555	JEAN37-5	RVC	CLINT ABBOTT
326	AL-HIN	141	5545	DEHL34-1	SE-1	DANIEL/LEE REES
335	AERIE	183	2C55	CATA320	CN-1	DICK EAGLE
355	SPUD	141	6654	JBOA30-1	SCYC	JOHN COLLINS
401	WHIFFLER	207	3535	RASM35	OI	WAREHAM FAMILY
407	TAXI	195	444M	CAPRI25-1	ST-1	ARKADIY TSEYLTIN
415	FULL CIRCLE	99	ODR	MELG24-ODR	RVC	BRITTEN/ GRANDIZO
428	JAH MON	123	4545	CATA42-1	AN	ERIC SORENSEN
436	GERONIMO	138	SU5M	ETCH22	SYS	JIM FOSTER
445	TAJ MAHAL	129	S455	JBOA80-1	NONE-1	DAVID SCHUTTE
450	AVALON	183	555M	STW07.9	CN-1	GREG SIEWERT
453	AIR FAIR	198	565M	THUN26	SYS	MIKE DALY
459	ABSTRACT	93	S655	JBOA105	CNP	PIHLAJA / TAYLOR
473	AURORA	225	455M	CAPR22-3	RC	ROSENFELD/ SWINGEN
481	GOOD AS GOLD	108	5535	SOPA42-1	NONE-1	PAT COLLETTI
482	PANIC	93	S655	JBOA105	SE-1	CHUCK STEPHENS
484	LICKETY SPLIT	39	256M	T320	NYC	TOM STEVENS
489	IMPULSIVE	141	6545	JBOA30-1	ST-1	ULF GEORGE GWILDIS
490	SHORELESS	132	6665	JBOA30-1	JUN	ERIC KUEFFNER
491	CELEBRATION	141	5555	JBOA30-1	AN	JIM BOTTLES
495	AVALANCHE	102	S355	JBOA105	CN-1	ED WILDER
519	FREE BOWL OF SOUP	93	S655	JBOA105	SYS	DOUGLAS SCHENK
546	STELLAR J	114	5655	JBOA80-1	CN-1	ALAN ROSS
570	SILVER LINING	156	3C35	BENE375-1	SS	MARY WHITE
595	FLAIR	201	555M	THUN26	CE	FRED E EHRLICH
601	CITY OF ROSES	234	563F	CASC29-2	RC	SEA SCOUTS/ KELLEY
604	TROUBLE MAKER	93	S655	JBOA105	PYC	KENT SISK
610	SLIPPERY WHEN WET	132	SW5M	ETCH22	RVC	BRIAN SPENCER
617	WYNSOME	183	3565K	ELAN31-1	RVC	BISHOP/ ANDERSEN
643	BEAVER	228	565F	CASC29-2	RC	SCOUTS/STEPHENS
652	GOOD JUJU BAD JUJU	186	ODR	JBOA24-1	NONE-1	MICHAEL HAMILTON
670	ARDEA	246	4534	ERIC25+	MIL	JAMES STEIN
706	LANNA ANN	282	SC4M	SANJ23-2	FH	NORRIS PALMER
737	VERTIGO	117	127MT	VERT26-1	OK	SHANNON BUYS
760	AU VENT	174	4B64	BENE1150	ST-1	WENDELL CRIM
798	PITORAQ	198	4545	WINW30-1	CF	GRAHAM HEATH
832	MYST	99	3G6M	MELG24-1	PYC	ROD BUCK
900	SUNDAY	195	ODR	THUN26-ODR	CE	KEN ADAMS/ EMNOTT
923	WHITE RAVEN	126	3555	CAV45-1	OL	RICK ANTLES
967	SHINDIG	231	555M	SANJ24-1	CNT	JEREMY BUSH
993	PARDON MY FRENCH	126	3435	HUMC40.5L-1	NONE-1	FREDERICK SAVOYE
1008	SWAN	195	584M	THUN26	CNW	GARY W M DAVIS
1016	MY SUNSHINE	162	5542	CATA36-1	MIL	WILLIAM BONDJANET BACON
1020	SNOWBIRD	195	584M	THUN26	GH	EDWARD JOSBERGER
1232	CUATRO VIENTOS	195	584M	THUN26	CH	MIKE TUNNEY
1266	THUNDERBABY	195	ODR	THUN26-ODR	MIL	DUANE EMNOTT
1283	SUNDOWN	204	5554	CATA30-1	NONE-1	ROB BILL
1376	WATER STREET	252	554M	CAL24-2	ST-1	MARK JACKSON
1424	GRAY JAY	201	S56M	JBOA22-1	NONE-1	NEPTUNE SAILING CLUB
1427	MOYA	201	S56M	JBOA22-1	NONE-1	NEPTUNE SAILING CLUB
1660	MATA HARI	147	5555	CATA36-2	SE-1	PAUL WALCHENBACH
1717	BLUE	-42	1475	RIPT41	NONE-1	MICHAEL SCHOENDORF

Sail	Name	Rating	Code	Class	Club	Owners
1764	FAYAWAY	264	5675	C&C24S	CE	GAY E MORRIS
1777	RANGER	189	4B45	CATA34-1	AN	SCOTT SOES
1820	CON BRIO	102	6835	JEAN42-1	ST-1	TOM WARD
2371	MANUTEA	210	3554	CATA30-1	MIL	RICK HUNTER
3131	CHEAP SUNGLASSES	186	555M	JBOA24-1	YAQ	KEN BROWN
3202	LUCKY JIM	186	456M	JBOA24-1	OK	JIM MCALPINE
3220	CHEAP THRILLS	196	ODR	JBOA24-ODR	SS	PAUL PAROFF
3242	AQUAVIT	285	453M	FOLK26	ST-1	DAVID SINSON
3450	BLIZZARD	201	S35M	ROSS780	CE	ANDREW OLSEENE
3466	EMERALD LADY	222	4555	CATA27-1	CNW	THOMAS A BARRETT
3696	JEDI	-21	5555	JBOA145	SE-1	JOHN TENNESON
3747	ROSHAMBO	186	ODR	JBOA24-ODR	CN-1	MARK DANIEL
3826	CORUBA	-72	5765EEK	NELM68-1	SE-2	ROB FLEMING
3909	ABSOLUTELY	18	5555	FARR39ML	CN-1	CHARLIE MACAULAY
4601	NEW HAVEN	-9	S465	KER46	PM	JOHN T KERRIGAN
4850	CALYPSO	90	5555	C&C43-1	SE-1	MARTIN DEYOUNG
5008	SCOTCH & SODA	201	4645	CATA30-1	MIL	KENNETH J MCKENZIE
5421	EMMA LEE	225	1C44	CATA30-2	SS	ROBERT BUTTS
6586	SLY	150	5565	C&C33-1	PM	DAVID/SUSAN KASELER
7019	PACIFICA	123	5545	NEVI49-1	NONE-1	DOUGLAS JONES
7240	MADRUGADOR	129	6545	CAL40-1	CN-1	IRISH/ MADRUGADOR SYND.
7460	SPIRIT	132	5545	CAL40-1	NONE-1	PETER HELSELL
7668	HOOLIGAN	129	6545	CAL40-1	PM	PENNY BENZ
7777	BALANCE	51	S655	BENE45-1	SE-1	MACKENZIE SKENE
7946	SPECTRE	129	5555	CAL40-1	SE-2	LEE ROGGE
8122	GADZOOKS	141	5555	JBOA30-1	OK	REX DUPUIS
8299	FREEWIND	177	5575	CAL9.2	SCYC	RICHARD HUDSON
8455	WHITE CLOUD	18	5W55	COOK12M	CN-1	STEVE JOHNSON
8537	NATURAL MYSTIC	123	555MT	JBOA29-1	BL	MICHAEL REAMS
8768	CINDERELLA	141	5955	ERIC35-2	ST-1	Pavao Gazibara
8836	CAHOOTS	150	3555	CANS36-2	SID	JACK ARMITAGEPATRICIA
8939	BACK BAY	117	4655	CAL39-2T	NONE-1	PETER SCHOENBURG
8948	HIGH NOON	78	4755	C8948	SEAS	SEAN BOILY
9678	WHITE SQUALL	132	8545	XCAL40	TA	ROGER J DEITZ
9700	DARK STAR	-39	128VT	RIPT44	CN-1	JONATHAN MCKEE
9780	THEORY	216	3555	CAL30-1	ST-1	THOMAS BARRIGAN
13865	HESSIAN	153	2542	C&C35-2	CF	KEVIN GREENWOOD
15160	EXIT	189	5555	STWO7.9	MIL	JIM OOSTERHOF
16246	EMOYENI	186	5545E	ISLA30B-1	AN	CHRIS/ JOYCE ROETHLE
17271	DRAGONFLY	-105	2XLM	F40CAT	NWMA	MCGARRY/ DRAGONFLY SAILING
18079	ALTERNATE REALITY	150	565M	EXPR27-1	ST-1	J. DARREL JENSEN
18084	BARNESTORMER	141	3564	PETR34-1	PYC	ROBERT K BARNES
18140	FLIM FLAM	96	S565K	XSOVR33	CN-1	FRED L CREITZ
18193	JACK RABBIT	24	4655	CM1200	CF	COLIN NICHOLS
18266	RE-QUEST	72	5555	EXPR37-1	CN-1	ALEX WETMORE
18320	GREAT WHITE	72	5555	JBOA35-1	CNW	DAN L WIERMAN
18363	ESPRESSO	150	556M	EXPR27-1	MIL	BRAD ABELS
18426	CHANGES	171	555M	CAPO26-1	MP	DEREK HORSFALL
18660	MUFFIN	117	6545E	SANZ33-1	ST-2	GARRY M GRETH
18715	INCOMPLETE				TT	CHARLES HENDRICK
18727	BLADE RUNNER	156	556M	SANZ27-1	CNB	WARD NAVIAUX
18927	ANOMALY	3	1565	XSANZ50-1	SE-2	WILLIAM ELMER

Sail	Name	Rating	Code	Class	Club	Owners
18944	SIR ISAAC	93	4665	BURPS49		JOHN/ANN BAILEY
18997	WESTERLY	-66	5555	SANZ70-2	RVC	STUART DAHLGREN
19466	ZEPHYR	201	155M	CAL29-1	RVC	DENNIS WOODWARD
19823	TOKOLOSH II	225	5565	NSTR30-1	RVC	ROLF SCHMIDT
19880	KATCHEN	192	5535	CAL34-1	TA	KEN JANGARD
21507	ANDIAMO	192	S235	XBENE323	IYC	JIM/SARAH PEARSON
23723	COOL CHANGE	144	4545	C&C38L	RC	FRANK NORAGON
25064	KORINA KORINA	60	5555	C25064	SS	JON W KNUDSON
25365	CHARLOTTE	93	5555	QUES30-1	CN-1	ALLEN JOHNSON
26000	DOS	87	177M	SIER26	PM	BRAD BUTLER
26001	UNO	81	145M	XSIER26	PM	BRAD BUTLER
27060	PTURBODACTYL	0	365M	F31R	RVCNWMA	JOHN TULIP
28054	DREAMTIME	135	5555	OLSN911SE	BL	BART MAUPIN
28112	WIND CHASER	153	2555	ERIC35-3	GH	MICHAEL J MORDUE
28181	RUNAWAY GIRL	135	5555	OLSN911SE	NYC	RICHARD SIMPSON
28242	HEART OF GOLD	21	5555	SCHU50	FH	JIM/SUE CORENMAN
28274	BAD DOG	87	S49M	ANTR27-1	PEN	BRAD TERPSTRA
28415	EDGEWALKER	117	4455	OLSN34E	PYC	MICHAEL OBRYANT
28642	VELOCITY	72	6555	JBOA42-1	PYC	THOMAS KEFFER
28877	SHOWTIME	174	555M	OLSN25-1	SS	HENRY BROOKS
29290	KYMODOCE	204	8445E	ERIC29-2	AN	KYLE/SUSAN SAUM
29410	SMILIN JACK	198	555M	MORG27F	PM	JOHN C WADE
29456	CHEROKEE	156	5545	CAL33-1	TT	PAT STEWART
29647	WILL O THE WISP	45	4555	XPETR41-2	NONE-4	JAMES WILSON
29725	JAGUAR	153	555M	HOTF27-1	CF	CLAY MILLS
29727	SLICK	153	546M	HOTF27-1	MP	DAVID LOWES
29807	BLACKFOOT	153	555M1	HOTF27-1	BL	MIKE CORCORAN
29860	CHEETAH	174	6352	ISLA36-1	PLH	BRIAN ARTHURS
29890	SUNRISE	201	545M	CAL27T	NONE-1	DENNIS CAPUTO
29974	WATER WESTIE	210	5555	NEWP30-1	ST-2	GATES/ ANGELA STEPHENS
30699	DEMI MOORE	171	554M	MOOR24-1	SS	PER LUNDGREN
31061	LEKKER	192	4565	SANJ28-1	ST-1	HELGI FELIXSON
31834	HERE AND NOW	120	555M	JBOA29M	CN-1	PAT DENNEY
32589	SOMETHING SPECIAL	72	5555	JBOA35-1	SS	GLENN COWLING
32999	MIGIZI	96	5545	FARR37-1	SH	THOMPSON/ MURRAY
33009	J	90	4665	JBOA33-1	RVC	ADRIAN KING-HARRIS
33244	MUSTACHE RIDE	214	543M	CHOA22-1	ST-1	CHON PIERUCCIONI
34498	THIRSTY	132	S555	C&C35-3	RC	ALAN BERGEN
34844	NOR"WESTER	111	5555	C&C38-2	PL	JOHN NEESZ
34989	DUCATI	186	555M	KIRB25-1	CF	ANTONY ZEGERS
36020	DESPERADO	108	4555	NEWY36-1	CNP	JERRY BARNES
38168	TANGO	27	4555	JBOA133-1	CN-1	BRIAN R DUCHIN
39010	RUNAWAY	141	5544	NORL34	SE-1	PHIL CALVERT
39110	KOOSAH	177	4A55	PEAR36-1	SS	LINDA/ DAVE KNOWLTON
39118	OXOMOXO	99	3545	SWAN391	ST-2	DOUG FRAZER
39328	BANDIT	213	355M	RANC26-1	CE	DAVID M GOW
39500	THUNDORCA	117	4545	TART41-1	NONE-1	SCOTT KANLYN
39504	EYE CANDY	39	ODR	FARR395-ODR	SE-1	JAMES MARTA
39506	ACE	39	1565	FARR395	PM	PETER SHORETT
39616	IGNITOR	205	4655	MART29T	ST-1	RON ERNST
39742	BLUE JEANS	201	6664	C&C27-3	ST-1	WILLIAM CORKY BROWN
39986	BITTER SWEET	198	5445	MILL29-1	MIL	DAVID HANDEWITH

Sail	Name	Rating	Code	Class	Club	Owners
40248	SHEARWATER	72	5555	JBOA35-1	CNT	KARL HAFLINGER
40311	BULLET	73	5555	EXPR37-1	CE	REINHARD FREYWALD
40432	AIRFARE	81	3555	CENT42-1	SH	GUY/ JUDI BUELL
40622	GRACE E	72	5555	JBOA35-1	CNT	BRIAN WHITE
40954	VIVACITE	105	S455	JEAN409	CNT	PETER BARBIN
41207	JINX	117	2785	ROSS930	MP	GLENN ROBINSON
41279	BLUE MARTINI	129	5555	OLSN911	ST-1	LANEY GALE
41729	CHAMPAGNE EXPRESS	81	2555	EXPR37-1	ST-1	FRED KASEBURG
41793	TAHLEQUAH	72	5555	JBOA35-1	CN-1	DON/ GEORGE LEIGHTON
42204	WAILANA	99	5565	EXPR34-1	NONE-1	GREG SUTHERLAND
42512	BULLETPROOF	138	5545	OLSN911SE	RVC	NIGEL MARTIN
43747	INTUITION	75	5555	C&C37-3	PM	DAVID LYNCH
44194	MEPHISTO	213	4352	C&C29-1	RVC	PETER MILLS
45587	LUNA	66	S555	HANS455-1	SE-1	GORDON STOLL
46720	BRAVO ZULU	57	5555	BENE40.7-1	CN-1	G. DENNIS VAUGHAN
46726	PEREGRINE	129	5554E	CATA38-1	SE-1	STEVE SMOLINKSE
46929	ESCAPE ARTIST	93	S655	JBOA105	CNP	DANA SIBILLA
46960	RIVA	45	5545E	JBOA46-1	PYC	SCOTT CAMPBELL
47222	DULCINEA	180	5435	RANC32-1	SS	PATRICK ROBINSON
47727	UNO MAS	207	1535	RANC28-1	BR	JOHN MITCHELL
47879	LIMEY BASTARD	153	556ME	SANZ27-1	AN	COLIN EMSLEY
47914	KAITLIN	168	6645	RANC32T	SS	ROGER EDWARDS
49125	TWO BITS	243	555M	GAZE22-1	LAD	PENNY CAMERON
49241	SCIMITAR	108	266MH	MART30-1	SS	BRANDON RAFTERY
49249	LIL TOONCES	159	555M	SANZ27-1	AN	STEVE TIEFISHER
49401	BAD KITTY	-9	256M	35CAT	NWMA-1	RON TOMAS
49589	STRIDER	123	5745	HOTF31-1	CNB	DAVID O'CONNOR
49732	SYNDI-CAT	222	554M	CATA27-1	AN	WALT MEAGHER
49918	FIONA	231	2455	CHANT40	OI	BRUCE BRACKETT
49922	WAVELENGTH	198	3565	RANC29-1	ST-1	ERIC DUNKEL
50022	FIREFLY	51	2445	MORR454-1	SE-1	ROBERT STRONG
50105	JOLLY RUMBALOW	135	2C35	C&C34+		RICHARD BIGLEY
50122	ROGUES ROOST	90	4545	C&C37-4	RVN	THEODORE ARSENAULT
50921	REDLINE	90	257M	ANTR27-1	SS	KYLE REESE CASSAL
51438	PAPILLON	45	S575	AERO38-1	WV	PIERRE FRISCH
51697	GARUFA	207	SV85	FREE32-1	BL	NEIL BENNETT
51847	HRAVN	69	4455	JBOA109-2	CNB	TODD KOETJE
51910	TATOOSH	48	5575K	SWAN51	NONE-1	G. THOMAS HUTTON
52529	CONSTELLATION	24	555M	JBOA133	CNT	RON HOLBROOK
52615	STARBLAZER	57	5555	BENE40.7-1	CNW	ROBERT S HENNESSY
52804	DIFFERENT DRUMMER	81	5555	CENT406	CN-1	CHARLES HILL
53561	SADIE MAE	81	3545	GSOL40-1	NONE-1	JUSTIN BEALS
54978	PACIFIC HIGH	99	5555	C&C34-2	SQU	JOHN GUGINS
55155	CROSSFIRE	-102	1365	RP55	ST-1	LOUIS BIANCO
56500	GARDYLOO	63	5555	IMX38	CNT	ERIC J. NELSON
57573	FREEFLYTE	180	3565	FREY39-1	MIL	JONATHAN M CRUSE
57878	ZIPPER	156	556M	SANZ27-1	NONE-1	ALEXIA FISCHER
59014	WHIRLAWAY	225	665M	SANJ24-1	SYS	WILLIAM WILKERSON
59059	PANGAEA	105	5555	BALT39-1	AN	MAC MADENWALD
59123	CAKE OR DEATH	228	655M	SANJ24-1	NONE-1	ROETHLE/ HAUSTVEIT
59297	JABEZ	192	4455	RANC30-1	CNW	GARY SEIBERT
59298	SUDDENLY	192	5555	SANJ28-1	TT	DAVIS/ SWANSON

Sail	Name	Rating	Code	Class	Club	Owners
59304	SPICE	189	5B34	ISLA36-1	AN	ED KENNEDY
59382	LADY TOO	204	4454	SANJ28-1	ST-1	DAMON DARLEY
59494	NIGHT RUNNER	78	5555	PERR42-2	SE-1	DOUG FRYER
59567	RATTLER	102	455M	OLSN30-1	AST	MICHAEL S CAMPBELL
59592	SPECIAL PURPOSE	99	555M	OLSN30-1	CNT	STEVEN A WAGNER
59604	PERFECT 10	144	4535	TARTTEN	QUAR	ALEX WIGLEY
59660	SACHEM	60	5555	PETR44S	CN-1	WILLIAM BUCHAN
59686	ZEPHYR	198	5554	SANJ28-1	ST-1	GARY CLOUSE
59718	SIDEWINDER	99	555M	OLSN30-1	TA	MIKE/ BRAD JONES
59739	FLIGHT	186	4555	CAL9.2	RVC	BRIAN ROBINSON
59746	BOB	138	6555	JBOA30-1	MIL	JOE GECK
59924	ECHO	141	2365	CATA38-1	NONE-1	BILL MILLER
59926	TAKU	141	5555	JBOA30-1	SS	THEO SINGELIS
59929	PARADIGM SHIFT	189	256ME	MERI25-1	OI	VAUGHN E PLOEGER
59946	RED SPLASH	123	3555	XYAC342-2	CNT	DON/ DEBBIE MCADAMS
60186	MOON DOGGIE	105	5B55	C&C110-2	SJ	PHIL JOHNSON
60667	NEPTUNE'S CAR	-75	6555	SANZ70-1	CN-1	PAUL LAMARCHE
60680	LATITUDE	99	3555	JEAN409	ST-1	BILL GIBSON
60794	LADY EILEEN	249	2345	BABA30-1	MIL	BARRETT CRABTREE
60919	EQUUS	63	4755	JEAN5 09	TT	DEAN / CONTI
61314	VELA VOLTA	117	3555	BAVA35M	ST-1	STEVE KIRSCH
64985	LIBERTY	123	5555	C&C35-3	SS	H ANDREW SALLER, JR
64996	HAPPY SEAL	123	4865	JBOA32-1	MIL	DENNIS B MARSDEN
64996	STORM FRONT	72	5655	SR33-1	SS	CHARLES NORMAN
67727	PACIFIC PEARL	99	ODR	OLSN30-1	MP	GARY FITZGIBBON
67776	LAWNDART	0	5775HK	SANZ50-1	NYC	BILL ALLAN
67807	FIASCO	99	ODR	OLSN30-ODR	RVC	ARTHUR HESFORD
69020	PLAN R	120	466M	JBOA29-1	ST-1	HANSON/HANSON
69024	LITTLE WHITE RABBIT	183	555MH	MERI25-1	TT	NICHOLAS FANNIN
69026	HONKER	114	4555	PEAR37-1	BL	RICHARD L VEACH
69027	ALESHANEE	145	5555	ERIC35-3	TWSA	CONNIE PETERSON
69046	TUMBLEHOME	153	5465	C69046	PM	SCOTT B SPRAGUE
69051	SPIRIT	81	5555	BENE36.7-1	SS	STEPHEN L. JONES
69053	BOOMER	165	ODR	MART242-OD	SE-1	MICHAEL MERRICK
69061	POKE & DESTROY	93	5555	EVEL32-2	ST-2	ALEX P SIMANIS
69063	GIZMO	201	554M	XHARM22-1	SS	JOHN THOMPSON
69087	STRING THEORY	57	5655	OLSN40-1	CN-1	BOB KING
69107	LUCKY DUCK	204	5B5M	MERI25-1	AN	WILLIAM L SHORT
69112	THE BOSS	72	5555	JBOA35-1	CNW	CHAD STENWICK
69125	ALCIOPE	348	0TSM	SEAP21	FH	COLIN O HERMANS
69127	SPIRIT	96	555M	HOB133-1	LA	DUANE BROYLES
69137	JUNKYARD DOG	159	565M	CHOA27-1	SYS	JAMES SEVERS
69141	JODY V	189	4555	C&C29-2	SS	JACK SCHINCKE
69147	KIWI EXPRESS	117	5555	FARR1020-2	CE	DAUBENSPECK/ FREYWALD
69150	TEDDY BEAR	39	5745KK	DAVI41-1	AN	GRAY HAWKEN
69160	ESCAPE	79	MULTI	F27	NWMA-1	YURY PALATNIK
69169	VICTORY	132	5555	SANT30/30	CDA	PHIL WALKER
69170	SPUTNIK	168	555M	MOOR24-1	ST-1	STEVE BUNNELL
69262	TAKING OFF	72	5555	JBOA35-1	CN-1	RUSSELL ENGBRECHT
69264	WILDFLOWER	105	5555	JBOA35-2	GH	THOMAS W MITCHELL
69298	HARLEQUIN	93	273M	JBOA40-1	CNB	BRUCE / LYNNE HAMILTON
69299	SLICK	120	555M	JBOA29M	CNT	NELSON/ JOHNSON

Sail	Name	Rating	Code	Class	Club	Owners
69300	MAGICIAN	201	5455	CATA30-1	ST-1	BRIAN BERG
69316	CATSPAW	123	5555	C&C35-3	BL	ALAN CALLERY
69320	RUBICON	135	554M	STW09.1	CNB	DAVID KLINGBIEL
69326	SEA TREK II	171	5555	CATA34-1	SH	TOM MADDEN
69348	PADDY WAGON	63	5555	ROSS40-1	ST-1	ANDREW BLY
69360	CHINOOK	138	4545	STW09.1	TT	DEAN / CONTI
69379	BINGO	243	155MR	PERR24-1	ST-1	WALTER D NORTHFIELD
69382	OPPOSITION	102	5755	HUMB30-1	SS	BILL SHELDON
69399	FLYING CIRCUS	72	5555	EXPR37-1	OL	MARK P ELLIOTT
69410	AIRLOOM	165	3555	BABA40-2	ST-2	TIMOTHY J MORGENROTH
69456	TIR NA NOG	138	5555	TART37-2	ST-2	WILLIAM H FRASER
69489	GRIN	222	365M	COMC22-1	TA	WILLIAM R NELSON
69494	WHISTLING SWAN	156	6555	ISLA36-1	ST-2	WILLIAM PIRRIE
69532	SUNSHINE GIRL	72	5555	JBOA35-1	AN	WALT MEAGHER
69570	CORVUS	189	5B45	CANS30-1	AN	SCOTT PETERSEN
69666	AOTEA	132	5B55	BENE411-1	NONE-1	KENNETH T MARTIN
69708	PASSION	78	4545	BENE435-2	GH	MICHAEL JOHNSTONMICHAEL RICE
69802	ELIXIR	123	1555	XYAC99	SYS	MARK FISCHER
69811	WILD THING	96	546M	HOB133-1	PA	JEFF MILLET
69830	RAGE	-63	1555	C69830	CNP	DAVID RANEY
69849	SLOOP DAWG	93	3555	BENE405-1	ST-1	ADAM MARVIN
69874	MI HIJITA	120	5452	JEAN44-1	NONE-1	RODERICK MCLACHLAN
69886	AEOLIA	219	6655	OHLS35-1	NONE-1	CHRIS BUCHSEL
69900	SHADOWFAX	117	2545	JBOA35-2	CN-1	DAVID JADE
69919	SON OF RAVEN	15	858M	F31TRI	NWMA-1	CHRIS S SHERMAN
69924	SILVERCLOUD	99	4555	JESP52	FH	LARRY BUGHIRHODES
69996	LOLITA	105	5555	OLSN29-1	PYC	JIM MADDEN
73392	BODACIOUS	129	5655	BENE35S5-1	SS	J ROSENBAACH
73399	TANTALUS	75	5555	EXPR37-2	CN-1	OLE HOVLAND
74271	FIRST SIGHT	60	5555	BENE45F5-2	MP	HAYES/ FS ADVENTURES
74329	WIND CHILD	114	5745	BENE36S7-2	SEQ	RUDY HEESSELS
74363	BLUE CANARY	105	5455	C&C99-2	SS	DAVID SMITHJULIE
74391	ZULU	66	1565	C74391	SID	A.FINDLAY GIBBONS
74399	ZAMBUCA	69	1565	C&C115-1	SE-1	ANDY ROTTLER
74400	KERKYRA	99	3635	HANS400-1	GLEN	OWEN THISTLE
74405	JYNX	9	5365	JBOA160-2	SID	DON JEFFERS
74408	RUBATO	90	4655	HANS400-1	VRY	STEVE BLAINE
74418	PRAIRIE SUN	225	5555	SUN27-1	SID	JOHN WINDAS
74424	ION	96	5565	XBENE43-2	NYC	BILL JONES
74426	GENEVA	90	555	F24MK11	TH	ERIC PESTY
74445	LONGBOARD	12	1175	RIPT35-2	KL	PETER SALUSBURY
74449	RED SLED	108	4445	C&C34-2	IYC	BRUCE BLANDY
77058	NIMBUS	177	565MH	EVEL26-1	TT	MARK HARANG
77108	OUTLAW	138	6555	JBOA30-1	CN-1	STORM /GOSSETT
77233	JOYANT	81	5555	JBOA36-1	RVC	WILLIAM EHMANN
77358	PALM TREE EXPRESS	3	4555	SANZ50-1	CN-1	GORDY/JUDY COLE
77441	GREYHOUND	81	5555	JBOA36-1	AN	BILL MOORE
77500	BANGARANG	141	S655K	CHOA30-1	AN	ERIC BEEMER
77629	THUMPER	150	556M	EXPR27-1	HDR	ERIK HAUGE
77711	DREAMTIME	129	5644	ELIT364	CNB	ROB GALBRAITH
79005	OSPREY	162	5315	LUDR44-1	PL	STEPHEN A HULSIZER
79008	SOLH	81	4755	C&C110-1	PA	JOHN POPE

Sail	Name	Rating	Code	Class	Club	Owners
79016	ZEN NO ZEN	168	5555	ELIT32-1	IYC	ROSS BERNARD
79020	MURRELET	240	545M	MACG26-1	SS	FRANK/LISA MIGHETTO
79052	LES CHEVAUX BLANCS	132	5555	BENE35S5-1	TT	GORDON KELLS-MURPHY
79058	GONE WITH THE WIND	108	5555	C&C99-1	PA	RON HENDRICKS
79063	SIRIUS	141	5635	JBOA32-1	SEQ	DURKEE B RICHARDS
79067	MADRONA	18	S255	BUCH40	SE-1	CARL BUCHAN
79070	FROG PRINTS	177	3345	DUFR34-2	ST-2	ONDERS/ WILBUR
79080	IZARRA	156	5335R	BENE411-2	MIL	ANDREW HARVILLA
79082	HELIOS V	81	3575	BENE36.7-1	RVC	DOUG TAYLOR LEE
79088	SKOOKUM TOO	171	255M	XMART241-3	PYC	GEORGE BROWN
79089	LIGHTLY SALTED	84	4545	BENE10R	SS	MEL SCHAEFER
79093	ANAM CARA	42	2455	JBOA122-1	PYC	TOM KELLY
79103	DULCINEA	213	5B45	CAL28-2	MIL	JEFF SCHROEHER
79106	AJA	150	3555	ERIC35-2	AST	RICHARD ELSTROM
79107	PRIYA	138	5542	ERIC38-2	NONE-1	BRANDT FAATZ
79110	HAIKU	159	3555	YAMA33-1	SEAS	BRIAN LIEB
79116	SWEET SURRENDER	147	2254	ERIC38-2	CE	JEFF HART
79117	FAMILY AFFAIR	66	5535	BENE45F5-3	MIL	THOMAS BUUS
79127	INTUITIVE	108	3545	C&C34-2	CE	PAUL/ CHERYL VEZETINSKI
79128	SILVER BREEZE	198	4652	CATA30-2	TT	LAURA CREWS
79141	SOL PACIFICO	141	3332	CATA470-3	NONE-1	RANDALL BARNES
79144	YEAH BABY	132	5555	STWO9.1	CNP	MICHAEL A PITARRESI
79145	KYRIE	150	4545	CANS36-2	CE	DAVID ODENDAHL
79148	ABLISSIAN	180	3195	CASC36-1	ST-2	PETER /NANCY FFITCH
79151	DESSERT FIRST	147	3255	ERIC34-2	ST-2	DON REES
79154	SANS SOUCI	177	4545	CAL31-1	MIL	STEVEN CARLSON
79158	OTAVA	141	1542	JEAN38	ST-2	JERRY/ KATE NUERNBERGER
79160	ENDLESS	141	3544	HUMC37.5L	MIL	CHIP HANDEWITH
79162	CARMANAH	168	2235	C&C34-1	CN-1	CHRIS MCMULDROCH
79171	DUFRIE	192	6545	SANJ28-1	ST-1	TIM DIVINE
79175	IMAGE	132	2565	CATA38-1	ST-2	Marc-Andrea Klimaschewski
79182	FOLIE A DEUX	135	5545	BENE35S5-1	SS	JEFF/ JOY JOHNSON
79747	OVERTIME	87	S57M	XROSS930	ST-1	ED SNYDERS
83179	HE LIVES	114	3545	JBOA92-1	SS	STEVEN KIRKPATRICK
83184	PANAMA RED	51	1765	MUMM36-1	PYC	CHRIS SCHWEIGER
87192	CAMOUFLAGE	45	5555	XFRER45	SS	HERNAN ETCHETO
87210	PERFECTLY STRANGE	174	466M	POCK22-1	ST-1	PAUL E KALINA
87497	HOBIE TRIPPIN	90	656M	HOB133-1	ST-1	MATTHEW WALKER
87557	SERENITY	132	5555	STWO9.1	KET	MACKENZIE DAHL
87652	ALTAIR	72	5555	JBOA35-1	SS	JASON VANNICE
87661	ROLLERBALL	81	3555	SCHO35-1	PYC	ROBERT MARTIN
87788	TRANQUILLITE'	78	3545	SWAN46-2	ST-1	JACK SHANNON
87880	KINETICS	93	4555	NORD44-1	ST-1	BRADFORD GREENE
87919	FRENCH KISS	138	4555	BENE345-1	CNT	CHRISTINE J. NELSON
92729	STRAY CURRENTS	81	S555	JBOA35-1	PYC	STANLEY K HEIL
97545	MERRY MAKER	81	3545	JBOA37-1	GH	BILL HARTER
97576	SYNERGY	111	5455	OLSN34-1	NYC	ELAINE WADE
97600	KEET	93	5555	JBOA33-1	CNB	BRIAN LAWRENCE
97621	DREAM CHASER	87	S32MH	F27	NYC	GREG KEEL
97737	DIVERSION	72	5555	JBOA35-1	HRYC	MARK NEWBROOK
97807	MAS KAOS	75	5555	SCHO35-1	CNB	RON AGER
97848	INTREPID	72	5555	JBOA35-1	SEQ	ROBERT B MCCLINTON

Sail	Name	Rating	Code	Class	Club	Owners
97939	COOL KAT	192	CTS4	HERR38-1	CNT	DONALD KIMBALL
538362	TA ATA ORI	232	1243	COPR37-1	ST-1	JAMES LEISING
	CYC PORTLAND		NO BOAT	NO BOAT	CNP	CORINTHIAN YC PORTLAND
	HONORARY MBR		NO BOAT	NO BOAT	MIL	ALAN GRIM
	HONORARY MBR		NO BOAT	NO BOAT	CN-1	DAVID M BLAKEMORE
	NO BOAT		NO BOAT		ST-1	MIKE BESTE
	NO BOAT				SE-1	IAIN CHRISTENSON
	NO BOAT DIRECTOR		NO BOAT	NO BOAT	PYC	MARY STAINSBY
	NO BOAT HANDICAPPER		NO BOAT	NO BOAT	CN-1	MATTHEW WOOD
	ONE WORLD				NWMA-1	MARTYN/ LINDA ADAMS

ROSTER OF YACHTS LISTED ALPHABETICALLY

Name	Sail	Rtng	Code	Type	Club	Owner
ABLISSIAN	79148	180	3195	CASC36-1	ST-2	PETER /NANCY FFITCH
ABSOLUTELY	3909	18	5555	FARR39ML	CN-1	CHARLIE MACAULAY
ABSTRACT	459	93	S655	JBOA105	CNP	PIHLAJA / TAYLOR
ACE	39506	39	1565	FARR395	PM	PETER SHORETT
AEOLIA	69886	219	6655	OHLS35-1	NONE-1	CHRIS BUCHSEL
AERIE	335	183	2C55	CATA320	CN-1	DICK EAGLE
AIR FAIR	453	198	565M	THUN26	SYS	MIKE DALY
AIRFARE	40432	81	3555	CENT42-1	SH	GUY/ JUDI BUELL
AIRLOOM	69410	165	3555	BABA40-2	ST-2	TIMOTHY J MORGENROTH
AJA	79106	150	3555	ERIC35-2	AST	RICHARD ELSTROM
ALCIOPE	69125	348	0TSM	SEAP21	FH	COLIN O HERMANS
ALCYONE	0	333	3B33E	RAWS30-1	EHW	DEVON BLANKENSHIP
ALESHANEE	69027	145	5555	ERIC35-3	TWSA	CONNIE PETERSON
AL-HIN	326	141	5545	DEHL34-1	SE-1	DANIEL/LEE REES
ALTAIR	87652	72	5555	JBOA35-1	SS	JASON VANNICE
ALTERNATE REALITY	18079	150	565M	EXPR27-1	ST-1	J. DARREL JENSEN
AMOORE	13	168	ODR	MOOR24-ODR	RVC	STUART / JOY DAHLGREN
AMORILLO	16	168	ODR	MOOR24-ODR	ST-1	CLINT TSENG
ANAM CARA	79093	42	2455	JBOA122-1	PYC	TOM KELLY
ANDIAMO	21507	192	S235	XBENE323	IYC	JIM/SARAH PEARSON
ANICCA	103	210	6542	CATA30-1	CNW	RICHARD KERBY
ANOMALY	18927	3	1565	XSANZ50-1	SE-2	WILLIAM ELMER
AOTEA	69666	132	5B55	BENE411-1	NONE-1	KENNETH T MARTIN
AQUAVIT	3242	285	453M	FOLK26	ST-1	DAVID SINSON
ARDEA	670	246	4534	ERIC25+	MIL	JAMES STEIN
ASTA	9	174	555M	OLSN25-1	TRI	NICHOLAS PIERCE
AU VENT	760	174	4B64	BENE1150	ST-1	WENDELL CRIM
AURORA	473	225	455M	CAPR22-3	RC	ROSENFELD/ SWINGEN
AVALANCHE	495	102	S355	JBOA105	CN-1	ED WILDER
AVALON	450	183	555M	STW07.9	CN-1	GREG SIEWERT
B TEAM	1	129	5U5MKKE	BBOA25-1	ST-1	LANCE STAUGHTON
BACK BAY	8939	117	4655	CAL39-2T	NONE-1	PETER SCHOENBURG
BAD DOG	28274	87	S49M	ANTR27-1	PEN	BRAD TERPSTRA
BAD KITTY	49401	-9	256M	35CAT	NWMA-1	RON TOMAS
BALANCE	7777	51	S655	BENE45-1	SE-1	MACKENZIE SKENE
BALLISTIC	109	24	2I7M	MELG32-1	CN-1	GORDY/JUDY COLE
BANDIT	39328	213	355M	RANC26-1	CE	DAVID M GOW
BANGARANG	77500	141	S655K	CHOA30-1	AN	ERIC BEEMER
BARNESTORMER	18084	141	3564	PETR34-1	PYC	ROBERT K BARNES
BAT OUT OF HELL	55	54	ODR	MUMM30-ODR	ST-1	LANCE STAUGHTON
BEAVER	643	228	565F	CASC29-2	RC	SCOUTS/STEPHENS
BINGO	69379	243	155MR	PERR24-1	ST-1	WALTER D NORTHFIELD
BITTER SWEET	39986	198	5445	MILL29-1	MIL	DAVID HANDEWITH
BLACK MAJAC	174	-3	CT5F	A-CAT	NWMA-2	KIM ALFREDS
BLACKFOOT	29807	153	555M1	HOTF27-1	BL	MIKE CORCORAN
BLADE RUNNER	18727	156	556M	SANZ27-1	CNB	WARD NAVIAUX

Name	Sail	Rtng	Code	Type	Club	Owner
BLIZZARD	3450	201	S35M	ROSS780	CE	ANDREW OLSEENE
BLUE	1717	-42	1475	RIPT41	NONE-1	MICHAEL SCHOENDORF
BLUE CANARY	74363	105	5455	C&C99-2	SS	DAVID SMITHJULIE
BLUE JAY	0	123	5235	BENE41-OC	CNT	RICK GARRITY
BLUE JEANS	39742	201	6664	C&C27-3	ST-1	WILLIAM CORKY BROWN
BLUE MARTINI	41279	129	5555	OLSN911	ST-1	LANEY GALE
BOADICEA	0	177	2355	ERIC23-2	ST-2	SIMON. BECKY FFITCH
BOB	59746	138	6555	JBOA30-1	MIL	JOE GECK
BODACIOUS	73392	129	5655	BENE35S5-1	SS	J ROSENBACH
BON BINI	61	87	S435	JBOA88-1	CN-1	MARC FRAZER
BOOMER	69053	165	ODR	MART242-OD	SE-1	MICHAEL MERRICK
BRAVO ZULU	46720	57	5555	BENE40.7-1	CN-1	G. DENNIS VAUGHAN
BREEZE	26	132	3555	SWED36-1	SH	JOSEPH M BOZICK
BRODERNA II	253	-3	558M	F31R	NWMA-1	NELS STRANDBERG
BULLET	40311	73	5555	EXPR37-1	CE	REINHARD FREYWALD
BULLETPROOF	42512	138	5545	OLSN911SE	RVC	NIGEL MARTIN
CAHOOTS	8836	150	3555	CANS36-2	SID	JACK ARMITAGEPATRICIA
CAKE OR DEATH	59123	228	655M	SANJ24-1	NONE-1	ROETHLE/ HAUSTVEIT
CAL ME CRAZY	280	300	155M	CAL20-1	TA	MARK LINDEMAN
CALYPSO	4850	90	5555	C&C43-1	SE-1	MARTIN DEYOUNG
CAMOUFLAGE	87192	45	5555	XFRER45	SS	HERNAN ETCHETO
CARMANAH	79162	168	2235	C&C34-1	CN-1	CHRIS MCMULDROCH
CASCADIA	0	-39	1445	SCHU77-1	CH	TOM ALBERG
CATSPA	69316	123	5555	C&C35-3	BL	ALAN CALLERY
CELEBRATION	491	141	5555	JBOA30-1	AN	JIM BOTTLES
CELTIC BREEZE	233	159	1355	ERIC35-3	SH	GLEN KNITTER
CHAMPAGNE EXPRESS	41729	81	2555	EXPR37-1	ST-1	FRED KASEBURG
CHANGES	18426	171	555M	CAPO26-1	MP	DEREK HORSFALL
CHARLOTTE	25365	93	5555	QUES30-1	CN-1	ALLEN JOHNSON
CHATTERBOX	268	87	4455	BENE36.7-1	CANF	ALAN BOCK
CHEAP SUNGLASSES	3131	186	555M	JBOA24-1	YAQ	KEN BROWN
CHEAP THRILLS	3220	196	ODR	JBOA24-ODR	SS	PAUL PAROFF
CHEETAH	29860	174	6352	ISLA36-1	PLH	BRIAN ARTHURS
CHEROKEE	29456	156	5545	CAL33-1	TT	PAT STEWART
CHICANERY	38	172	556M	OLSN25-1	CNP	JOE ELLERTSON
CHINOOK	10	132	5555	CAL39-1	OI	JAMES ROSER
CHINOOK	69360	138	4545	STWO9.1	TT	DEAN / CONTI
CINDERELLA	8768	141	5955	ERIC35-2	ST-1	Pavao Gazibara
CITY OF ROSES	601	234	563F	CASC29-2	RC	SEA SCOUTS/ KELLEY
CON BRIO	1820	102	6835	JEAN42-1	ST-1	TOM WARD
CONSTELLATION	52529	24	555M	JBOA133	CNT	RON HOLBROOK
COOL CHANGE	23723	144	4545	C&C38L	RC	FRANK NORAGON
COOL KAT	97939	192	CTS4	HERR38-1	CNT	DONALD KIMBALL
CORUBA	3826	-72	5765EEK	NELM68-1	SE-2	ROB FLEMING
CORVO	34	93	5555	JBOA33-1	SH	TOM KERR
CORVUS	69570	189	5B45	CANS30-1	AN	SCOTT PETERSEN
CRAZY I'S	203	165	256M	MART242	OI	CHRIS T WHITE

Name	Sail	Rtnng	Code	Type	Club	Owner
CROSSFIRE	55155	-102	1365	RP55	ST-1	LOUIS BIANCO
CUATRO VIENTOS	1232	195	584M	THUN26	CH	MIKE TUNNEY
CYC PORTLAND			NO BOAT	NO BOAT	CNP	CORINTHIAN YC PORTLAND
DARK STAR	9700	-39	128VT	RIPT44	CN-1	JONATHAN MCKEE
DELIRIUM	272	93	S655	JBOA105	CN-1	JERRY DIERCKS
DEMI MOORE	30699	171	554M	MOOR24-1	SS	PER LUNDGREN
DESPERADO	36020	108	4555	NEWY36-1	CNP	JERRY BARNES
DESSERT FIRST	79151	147	3255	ERIC34-2	ST-2	DON REES
DIFFERENT DRUMMER	52804	81	5555	CENT406	CN-1	CHARLES HILL
DIVA	287	69	4455	JBOA109-2	RVC	JIM PRENTICE
DIVERSION	97737	72	5555	JBOA35-1	HRYC	MARK NEWBROOK
DOS	26000	87	177M	SIER26	PM	BRAD BUTLER
DRAGONFLY	0	93	5554	JEAN41-1	BR	JOHN GUJU
DRAGONFLY	131	111	S27M	VIPR640-ODR	SS	RAFE BESWICK
DRAGONFLY	17271	-105	2XLM	F40CAT	NWMA	MCGARRY/ DRAGONFLY SAILING
DREAM CHASER	97621	87	S32MH	F27	NYC	GREG KEEL
DREAMTIME	28054	135	5555	OLSN911SE	BL	BART MAUPIN
DREAMTIME	77711	129	5644	ELIT364	CNB	ROB GALBRAITH
DUCATI	34989	186	555M	KIRB25-1	CF	ANTONY ZEGERS
DUFRIE	79171	192	6545	SANJ28-1	ST-1	TIM DIVINE
DULCE DOMUM	98	150	6585	HALB42-1	OI	BRUCE COFFEY
DULCINEA	174	93	S655	JBOA105	CNW	MATTHEW GARDNER-BROWN
DULCINEA	47222	180	5435	RANC32-1	SS	PATRICK ROBINSON
DULCINEA	79103	213	5B45	CAL28-2	MIL	JEFF SCHROEHER
ECHO	59924	141	2365	CATA38-1	NONE-1	BILL MILLER
EDGEWALKER	28415	117	4455	OLSN34E	PYC	MICHAEL OBRYANT
ELIXIR	69802	123	1555	XYAC99	SYS	MARK FISCHER
ELUSIVE	51	72	2555	C&C115-1	CN-1	JEFF WHITNEY
EMERALD LADY	3466	222	4555	CATA27-1	CNW	THOMAS A BARRETT
EMMA LEE	5421	225	1C44	CATA30-2	SS	ROBERT BUTTS
EMOYENI	16246	186	5545E	ISLA30B-1	AN	CHRIS/ JOYCE ROETHLE
ENDLESS	79160	141	3544	HUMC37.5L	MIL	CHIP HANDEWITH
EPILOGUE	0	81	2445	CHOY55P	NONE-1	GREG LEWIS
EQUINOX	43	69	4455	JBOA109-2	RVC	DAVE HOLLAND
EQUUS	60919	63	4755	JEAN5 09	TT	DEAN / CONTI
ESCAPE	69160	79	MULTI	F27	NWMA-1	YURY PALATNIK
ESCAPE ARTIST	46929	93	S655	JBOA105	CNP	DANA SIBILLA
ESPRESSO	18363	150	556M	EXPR27-1	MIL	BRAD ABELS
EXIT	15160	189	5555	STWO7.9	MIL	JIM OOSTERHOF
EXODUS IV	8	120	1245	CATA470-1	RVC	RALPH LAPP
EYE CANDY	39504	39	ODR	FARR395-ODR	SE-1	JAMES MARTA
EYE EYE	3	69	145M	XJBOA90	LPO	DAVID COHEN
FALCON	68	186	5455	CAL9.2	CNW	BRYAN R MASSEY
FAMILY AFFAIR	79117	66	5535	BENE45F5-3	MIL	THOMAS BUUS
FAR STAR	137	123	3545	HALB46-2	CN-1	DAVID CORNFIELD
FAYAWAY	1764	264	5675	C&C24S	CE	GAY E MORRIS
FIASCO	67807	99	ODR	OLSN30-ODR	RVC	ARTHUR HESFORD

Name	Sail	Rtnng	Code	Type	Club	Owner
FIONA	49918	231	2455	CHANT40	OI	BRUCE BRACKETT
FIREFLY	50022	51	2445	MORR454-1	SE-1	ROBERT STRONG
FIRST SIGHT	74271	60	5555	BENE45F5-2	MP	HAYES/ FS ADVENTURES
FLAIR	595	201	555M	THUN26	CE	FRED E EHRlich
FLIGHT	59739	186	4555	CAL9.2	RVC	BRIAN ROBINSON
FLIM FLAM	18140	96	S565K	XSOVR33	CN-1	FRED L CREITZ
FLYING CIRCUS	69399	72	5555	EXPR37-1	OL	MARK P ELLIOTT
FOLIE A DEUX	79182	135	5545	BENE35S5-1	SS	JEFF/ JOY JOHNSON
FORTUNA	62	72	1555	C&C115-1	CN-1	DAVID DELANOY
FREE BOWL OF SOUP	519	93	S655	JBOA105	SYS	DOUGLAS SCHENK
FREEFLYTE	57573	180	3565	FREY39-1	MIL	JONATHAN M CRUSE
FREEWIND	8299	177	5575	CAL9.2	SCYC	RICHARD HUDSON
FREJA	0	18	S575	AERO43-1	ST-1	JONATHAN M CRUSE
FRENCH CURVE	39	120	5555	BENE35S7	SJ	LUIS COLASUONNO
FRENCH KISS	87919	138	4555	BENE345-1	CNT	CHRISTINE J. NELSON
FROG PRINTS	79070	177	3345	DUFR34-2	ST-2	ONDERS/ WILBUR
FULL CIRCLE	415	99	ODR	MELG24-ODR	RVC	BRITTEN/ GRANDIZO
GADZOOKS	8122	141	5555	JBOA30-1	OK	REX DUPUIS
GARDYLOO	56500	63	5555	IMX38	CNT	ERIC J. NELSON
GARUFA	51697	207	SV85	FREE32-1	BL	NEIL BENNETT
GAUCHO	68	114	565M	ROSS930	CN-1	JOHN CAHILL
GENEVA	74426	90	555	F24MK11	TH	ERIC PESTY
GERONIMO	436	138	SU5M	ETCH22	SYS	JIM FOSTER
GIZMO	69063	201	554M	XHARM22-1	SS	JOHN THOMPSON
GONE WITH THE WIND	79058	108	5555	C&C99-1	PA	RON HENDRICKS
GOOD AS GOLD	481	108	5535	SOPA42-1	NONE-1	PAT COLLETTI
GOOD ENOUGH	1	129	165M	DART25-1	NONE-2	ERIC LARSEN
GOOD JUJU BAD JUJU	652	186	ODR	JBOA24-1	NONE-1	MICHAEL HAMILTON
GRACE	29	39	1555	JBOA122-1	SE-1	ANDY MACK
GRACE E	40622	72	5555	JBOA35-1	CNT	BRIAN WHITE
GRAY JAY	1424	201	S56M	JBOA22-1	NONE-1	NEPTUNE SAILING CLUB
GRAYLING	7	144	3634	QBOAT	ST-2	DUKE H PHAN
GREAT WHITE	18320	72	5555	JBOA35-1	CNW	DAN L WIERMAN
GREYHOUND	77441	81	5555	JBOA36-1	AN	BILL MOORE
GRIN	69489	222	365M	COMC22-1	TA	WILLIAM R NELSON
GYPSY'S CHILD	38	183	S465	HARB25-1	MEY	STEPHEN SPONAR
HAIKU	79110	159	3555	YAMA33-1	SEAS	BRIAN LIEB
HAPPY SEAL	64996	123	4865	JBOA32-1	MIL	DENNIS B MARSDEN
HARLEQUIN	69298	93	273M	JBOA40-1	CNB	BRUCE / LYNNE HAMILTON
HE LIVES	83179	114	3545	JBOA92-1	SS	STEVEN KIRKPATRICK
HEART OF GOLD	28242	21	5555	SCHU50	FH	JIM/SUE CORENMAN
HELIOS	33	87	3555	BENE36.7.1	CN-1	DAVID/ KAREN JAMES
HELIOS V	79082	81	3575	BENE36.7-1	RVC	DOUG TAYLOR LEE
HERE AND NOW	31834	120	555M	JBOA29M	CN-1	PAT DENNEY
HESSIAN	13865	153	2542	C&C35-2	CF	KEVIN GREENWOOD
HIGH NOON	8948	78	4755	C8948	SEAS	SEAN BOILY
HITCHED	24	249	S55M	SANT20-1	ST-1	KEVIN SWACKHAMER

Name	Sail	Rtnng	Code	Type	Club	Owner
HOBBS	210	237	S445	CAPR26-1	TT	STEVEN SISSON
HOBIE TRIPPIN	87497	90	656M	HOB133-1	ST-1	MATTHEW WALKER
HONKER	69026	114	4555	PEAR37-1	BL	RICHARD L VEACH
HONORARY MBR			NO BOAT	NO BOAT	MIL	ALAN GRIM
HONORARY MBR			NO BOAT	NO BOAT	CN-1	DAVID M BLAKEMORE
HOOLIGAN	7668	129	6545	CAL40-1	PM	PENNY BENZ
HORIZEN	82	171	3555	CATA36-1	CNB	PETER HALLET
HRAVN	51847	69	4455	JBOA109-2	CNB	TODD KOETJE
HUKILAU	22	174	555M	OLSN25-1	TRI	ROBERT ULLMER
IGNITOR	39616	205	4655	MART29T	ST-1	RON ERNST
IMAGE	79175	132	2565	CATA38-1	ST-2	Marc-Andrea Klimaschewski
IMPULSIVE	489	141	6545	JBOA30-1	ST-1	ULF GEORGE GWILDIS
IMZADI	118	138	5555	LASE28-1	TRI	DOUG ULLMER
INTREPID	97848	72	5555	JBOA35-1	SEQ	ROBERT B MCCLINTON
INTUITION	239	81	5555	BENE36.7-1	CNB	JIM JOHANNESSEN
INTUITION	43747	75	5555	C&C37-3	PM	DAVID LYNCH
INTUITIVE	79127	108	3545	C&C34-2	CE	PAUL/ CHERYL VEZETINSKI
ION	74424	96	5565	XBENE43-2	NYC	BILL JONES
IZARRA	79080	156	5335R	BENE411-2	MIL	ANDREW HARVILLA
J	33009	90	4665	JBOA33-1	RVC	ADRIAN KING-HARRIS
JABEZ	59297	192	4455	RANC30-1	CNW	GARY SEIBERT
JACK RABBIT	18193	24	4655	CM1200	CF	COLIN NICHOLS
JAGUAR	29725	153	555M	HOTF27-1	CF	CLAY MILLS
JAH MON	428	123	4545	CATA42-1	AN	ERIC SORENSEN
JAM	18	0	4455	JBOA160	GH	JOHN MCPHAIL
JAZZ	9	130		F41	VRC	GRAHAM MCGLASHAN
JEDI	3696	-21	5555	JBOA145	SE-1	JOHN TENNESON
JEOPARDY	161	69	4W55	JBOA109-2	CNT	EDWARD W PINKHAM
JINX	41207	117	2785	ROSS930	MP	GLENN ROBINSON
JODY V	69141	189	4555	C&C29-2	SS	JACK SCHINCKE
JOLLY GREEN	1	129	ODR	JBOA80-ODR	CN-1	MICHAEL POOLE
JOLLY RUMBALOW	50105	135	2C35	C&C34+		RICHARD BIGLEY
JOY RIDE	89	42	2455	JBOA122-1	SE-1	JOHN MURKOWSKI
JOYANT	77233	81	5555	JBOA36-1	RVC	WILLIAM EHMANN
JUAN PEQUENO	190	234	554M	SANJ24-1	AN	JOHN SANFORD
JULIET	105	243	454P	WILD21-1	NONE-1	PHIL BENEDICT
JUNKYARD DOG	69137	159	565M	CHOA27-1	SYS	JAMES SEVERS
JYNX	74405	9	5365	JBOA160-2	SID	DON JEFFERS
KA	129	111	ODR	VIPR640-ODR	AN	ORSINI/ JOHNS
KAHUNA	27	48	S475	AERO38-1	TA	LEITZINGER/ MARKS
KAITLIN	47914	168	6645	RANC32T	SS	ROGER EDWARDS
KATCHEN	19880	192	5535	CAL34-1	TA	KEN JANGARD
KEET	97600	93	5555	JBOA33-1	CNB	BRIAN LAWRENCE
KERKYRA	74400	99	3635	HANS400-1	GLEN	OWEN THISTLE
KERMIT	20	171	255M	XMART241-2	PYC	MICHAEL STAINSBY
KINETIC V	52	-84	156M	TP52-5	RVN	DAVID SUTCLIFFE
KINETICS	87880	93	4555	NORD44-1	ST-1	BRADFORD GREENE

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KITEFIN	79	165	256M	MART242	OI	STEPHEN / LYNN EMMES
KIWI EXPRESS	69147	117	5555	FARR1020-2	CE	DAUBENSPECK/ FREYWALD
KOOSAH	39110	177	4A55	PEAR36-1	SS	LINDA/ DAVE KNOWLTON
KORINA KORINA	25064	60	5555	C25064	SS	JON W KNUDSON
KOWLOON	17	129	5555	OLSN911	ST-1	KEN CHIN
KYMODECE	29290	204	8445E	ERIC29-2	AN	KYLE/SUSAN SAUM
KYRIE	79145	150	4545	CANS36-2	CE	DAVID ODENDAHL
LA LUCHA MOORE	131	168	ODR	MOOR24-ODR	ST-1	JOE GRIESER
LADY EILEEN	60794	249	2345	BABA30-1	MIL	BARRETT CRABTREE
LADY TOO	59382	204	4454	SANJ28-1	ST-1	DAMON DARLEY
LANNA ANN	706	282	SC4M	SANJ23-2	FH	NORRIS PALMER
LAST TANGO	212	93	S655	JBOA105	CN-1	JAMES GEROS
LATITUDE	60680	99	3555	JEAN409	ST-1	BILL GIBSON
LAWNDART	67776	0	5775HK	SANZ50-1	NYC	BILL ALLAN
LEKKER	31061	192	4565	SANJ28-1	ST-1	HELGI FELIXSON
LES CHEVAUX BLANCS	79052	132	5555	BENE35S5-1	TT	GORDON KELLS-MURPHY
LIBERTY	64985	123	5555	C&C35-3	SS	H ANDREW SALLER, JR
LICKETY SPLIT	484	39	256M	T320	NYC	TOM STEVENS
LIGHT SCOUT	143	54	4355	JBOA120-1	RVC	KIRK PALMER
LIGHTLY SALTED	79089	84	4545	BENE10R	SS	MEL SCHAEFER
LIL TOONCES	49249	159	555M	SANZ27-1	AN	STEVE TIEFISHER
LIMEY BASTARD	47879	153	556ME	SANZ27-1	AN	COLIN EMSLEY
LITTLE ANNIE	0	207	3545	BENE265-1	AN	JOHN/ GERRI GUNN
LITTLE RED BOAT	86	234	456M	NSTR500-1	SEAS	DENISE WILTSE
LITTLE WHITE RABBIT	69024	183	555MH	MER125-1	TT	NICHOLAS FANNIN
LOLITA	69996	105	5555	OLSN29-1	PYC	JIM MADDEN
LONGBOARD	74445	12	1175	RIPT35-2	KL	PETER SALUSBURY
LOONACY	80	252	4B45H	ALOH8.2	MP	NEIL/ MARILYN ANDERSON
LUCIA	0	198	454M	CAL29-1	CNT	PAUL CASE
LUCKY DUCK	69107	204	5B5M	MER125-1	AN	WILLIAM L SHORT
LUCKY JIM	3202	186	456M	JBOA24-1	OK	JIM MCALPINE
LUNA	45587	66	S555	HANS455-1	SE-1	GORDON STOLL
LXIII	63	138	1555E	JBOA27-1	CN-1	DENNIS CLARK
MADRONA	79067	18	S255	BUCH40	SE-1	CARL BUCHAN
MADRUGADOR	7240	129	6545	CAL40-1	CN-1	IRISH/ MADRUGADOR SYND.
MAGICIAN	69300	201	5455	CATA30-1	ST-1	BRIAN BERG
MANUTEA	2371	210	3554	CATA30-1	MIL	RICK HUNTER
MARTHA	226	111	5542WKK	SCHOONER	NONE-1	SCHOONER MARTHA FOUND.
MAS KAOS	97807	75	5555	SCHO35-1	CNB	RON AGER
MATA HARI	1660	147	5555	CATA36-2	SE-1	PAUL WALCHENBACH
MCSWOOSH	82	66	S57M	X11METRE-1	SS	CLARK D MCPHERSON
MEI LI	75	171	5555	BENE32S5-2	MIL	GRANT L ALBERT
MEPHISTO	44194	213	4352	C&C29-1	RVC	PETER MILLS
MERRY MAKER	97545	81	3545	JBOA37-1	GH	BILL HARTER
MI HIJITA	69874	120	5452	JEAN44-1	NONE-1	RODERICK MCLACHLAN
MIGIZI	32999	96	5545	FARR37-1	SH	THOMPSON/ MURRAY
MISTRAL	45	147	3542	CAL39-3	MIL	DEAN SEVON

Name	Sail	Rtnng	Code	Type	Club	Owner
MISTY	93	147	6W44H	CASC36-1	RC	PAMELA SESAR
MOLIKA	192	235	4665	ALBN7.9	SYS	GARY BRUNER
MOON DOGGIE	60186	105	5B55	C&C110-2	SJ	PHIL JOHNSON
MORE UFF DA	26	168	555M	MOOR24-1	ST-1	BRADEN
MOUNTAIN	36	69	4455	JBOA109	ST-1	BERNHARDMORSE
MOYA	1427	201	S56M	JBOA22-1	NONE-1	NEPTUNE SAILING CLUB
MUFFIN	18660	117	6545E	SANZ33-1	ST-2	GARRY M GRETH
MURPHYS LAW	93	237	3444	ERIC29-1	SYS	DAN PETRIN
MURRELET	79020	240	545M	MACG26-1	SS	FRANK/LISA MIGHETTO
MUSTACHE RIDE	33244	214	543M	CHOA22-1	ST-1	CHON PIERUCCIONI
MY SUNSHINE	1016	162	5542	CATA36-1	MIL	WILLIAM BONDJANET BACON
MYRICA	0	249	4755	VIKGM30	AN	VERNON LAURIDSON
MYST	832	99	3G6M	MELG24-1	PYC	ROD BUCK
NATURAL MYSTIC	8537	123	555MT	JBOA29-1	BL	MICHAEL REAMS
NEFARIOUS	53	54	ODR	MUMM30-ODR	ST-1	DANIEL RANDOLPH
NEPTUNE'S CAR	60667	-75	6555	SANZ70-1	CN-1	PAUL LAMARCHE
NEW HAVEN	4601	-9	S465	KER46	PM	JOHN T KERRIGAN
NIGHT RUNNER	59494	78	5555	PERR42-2	SE-1	DOUG FRYER
NIMBUS	77058	177	565MH	EVEL26-1	TT	MARK HARANG
NO BOAT			NO BOAT		ST-1	MIKE BESTE
NO BOAT			NO BOAT		SE-1	IAIN CHRISTENSON
NO BOAT DIRECTOR			NO BOAT	NO BOAT	PYC	MARY STAINSBY
NO BOAT HANDICAPPER			NO BOAT	NO BOAT	CN-1	MATTHEW WOOD
NOFLYK	304	156	4555	JEAN37-5	RVC	CLINT ABBOTT
NOR"WESTER	34844	111	5555	C&C38-2	PL	JOHN NEESZ
OFF CONSTANTLY	84	156	556M	SANZ27-1	AN	JEFFREY HULME
OFF THE CHART	5	108	34RM	ELL770	RVC	MICHAEL TURNER
OGOPOGO	2	114	2U6M	DART25-1	PM	PAUL FAGET
OPPOSITION	69382	102	5755	HUMB30-1	SS	BILL SHELDON
OSPREY	79005	162	5315	LUDR44-1	PL	STEPHEN A HULSIZER
OTAVA	79158	141	1542	JEAN38	ST-2	JERRY/ KATE NUERNBERGER
OUTLAW	77108	138	6555	JBOA30-1	CN-1	STORM /GOSSETT
OVERDRAFT	43	111	128M	FARE23-1	RVC	A HUGH WAINMAN-WOOD
OVERTIME	79747	87	S57M	XROSS930	ST-1	ED SNYDERS
OXOMOXO	39118	99	3545	SWAN391	ST-2	DOUG FRAZER
PACIFIC HIGH	54978	99	5555	C&C34-2	SQU	JOHN GUGINS
PACIFIC PEARL	67727	99	ODR	OLSN30-1	MP	GARY FITZGIBBON
PACIFICA	7019	123	5545	NEV149-1	NONE-1	DOUGLAS JONES
PADDY WAGON	69348	63	5555	ROSS40-1	ST-1	ANDREW BLY
PALM TREE EXPRESS	77358	3	4555	SANZ50-1	CN-1	GORDY/JUDY COLE
PANAMA RED	83184	51	1765	MUMM36-1	PYC	CHRIS SCHWEIGER
PANGAEA	59059	105	5555	BALT39-1	AN	MAC MADENWALD
PANIC	482	93	S655	JBOA105	SE-1	CHUCK STEPHENS
PAPARO	70	246	345M	ERIC27-1	MIL	PATRICK GREER
PAPILLON	51438	45	S575	AERO38-1	WV	PIERRE FRISCH
PARADIGM SHIFT	59929	189	256ME	MER125-1	OI	VAUGHN E PLOEGER
PARDON MY FRENCH	993	126	3435	HUMC40.5L-1	NONE-1	FREDERICK SAVOYE

Name	Sail	Rtng	Code	Type	Club	Owner
PASSION	69708	78	4545	BENE435-2	GH	MICHAEL JOHNSTONMICHAEL RICE
PAX THE SPACE SPIDER	12	-10	555M	F32	NWMA-1	RODNEY J THARP
PEARL JEM	0	132	2115	JEAN42DS	OK	LARRY MUNNS
PEREGRINE	46726	129	5554E	CATA38-1	SE-1	STEVE SMOLINKSE
PERFECT 10	59604	144	4535	TARTTEN	QUAR	ALEX WIGLEY
PERFECTLY STRANGE	87210	174	466M	POCK22-1	ST-1	PAUL E KALINA
PESCE VOLANTE	152	48	555M	SPRINT750	NWMA-1	STEVE PESCE
PITORAQ	798	198	4545	WINW30-1	CF	GRAHAM HEATH
PLAN R	69020	120	466M	JBOA29-1	ST-1	HANSON/HANSON
PLAYTIME	251	138	S655	JBOA29-1	LPO	PETER GRAVES
POKE & DESTROY	69061	93	5555	EVEL32-2	ST-2	ALEX P SIMANIS
POWER PLAY	14	81	4555	BENE10R	RVC	STEPHEN HILL
PRAIRIE SUN	74418	225	5555	SUN27-1	SID	JOHN WINDAS
PRINCESA	10	195	2555	RANC30-1	DC	SIMON PALMER
PRIYA	79107	138	5542	ERIC38-2	NONE-1	BRANDT FAATZ
PTURBODACTYL	27060	0	365M	F31R	RVCNWMA	JOHN TULIP
PURPLE MARTIN	163	165	256M	MART242	OI	BETSY WAREHAM
PYXIS	156	105	5555	TART3700-1	SE-1	DACK/ NORDQUIST
QUARK	77	162	238M	ULTI20-1	OI	ROBERT BRUNIUS
QUERENCIA	2	189	3644	CUST39	PM	TOM HUDSON
RACHEL	3	123	4645	DASH34-1	AN	ROY RARD
RAGE	69830	-63	1555	C69830	CNP	DAVID RANEY
RANGER	1777	189	4B45	CATA34-1	AN	SCOTT SOES
RATTLER	59567	102	455M	OLSN30-1	AST	MICHAEL S CAMPBELL
RAVEN	29	135	5555	ABOT33	NONE-3	IAN KELLY
RECON	31	42	S365	JBOA111-1	AN	JENNY WELCH
RED SLED	74449	108	4445	C&C34-2	IYC	BRUCE BLANDY
RED SPLASH	59946	123	3555	XYAC342-2	CNT	DON/ DEBBIE MCADAMS
REDLINE	50921	90	257M	ANTR27-1	SS	KYLE REESE CASSAL
REDSHIFT	81	-6	5555M	F9AR	NWMA-1	ADRIAN ROETT
RE-QUEST	18266	72	5555	EXPR37-1	CN-1	ALEX WETMORE
RIVA	46960	45	5545E	JBOA46-1	PYC	SCOTT CAMPBELL
ROGUE	71	159	139M	ULTI20-1	EUG	BOB AMAN
ROGUE	95	168	456M	MOOR24-1	BL	JEFF DUVALL
ROGUES ROOST	50122	90	4545	C&C37-4	RVN	THEODORE ARSENAULT
ROLLERBALL	87661	81	3555	SCHO35-1	PYC	ROBERT MARTIN
ROSHAMBO	3747	186	ODR	JBOA24-ODR	CN-1	MARK DANIEL
RUBATO	74408	90	4655	HANS400-1	VRY	STEVE BLAINE
RUBICON	69320	135	554M	STWO9.1	CNB	DAVID KLINGBIEL
RUNAWAY	39010	141	5544	NORL34	SE-1	PHIL CALVERT
RUNAWAY GIRL	28181	135	5555	OLSN911SE	NYC	RICHARD SIMPSON
RUSHWIND	40	162	2245	FASP39	SS	KENELM W RUSSELL
SACHEM	59660	60	5555	PETR44S	CN-1	WILLIAM BUCHAN
SADIE MAE	53561	81	3545	GSOL40-1	NONE-1	JUSTIN BEALS
SANCTUARY	162	243	5535	NONS26-1	AN	CHARLES WEBB
SANS SOUCI	79154	177	4545	CAL31-1	MIL	STEVEN CARLSON
SCIMITAR	49241	108	266MH	MART30-1	SS	BRANDON RAFTERY

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SCOOT	70	162	238M	ULTI20-1	SE-1	JOHN SIBOLD
SCOTCH & SODA	5008	201	4645	CATA30-1	MIL	KENNETH J MCKENZIE
SEA PUPPY	87	96	254M	F24-2	SEQ	BRUCE VON BORSTEL
SEA TREK II	69326	171	5555	CATA34-1	SH	TOM MADDEN
SEABISCUIT	8	207	5455	YANK28T	TT	ANDREW NORTON
SECOND HALF	47	201	2555	CATA30-2	SYS	WARREN DALBY
SERENITE	95	102	4532	BENE46-1	ST-1	Victor Mushkatin
SERENITY	87557	132	5555	STWO9.1	KET	MACKENZIE DAHL
SHADA	44	69	4W55	JBOA109-2	CN-1	J A WOODFIELD
SHADOWFAX	69900	117	2545	JBOA35-2	CN-1	DAVID JADE
SHEARWATER	40248	72	5555	JBOA35-1	CNT	KARL HAFLINGER
SHINDIG	967	231	555M	SANJ24-1	CNT	JEREMY BUSH
SHORELESS	490	132	6665	JBOA30-1	JUN	ERIC KUEFFNER
SHOWTIME	28877	174	555M	OLSN25-1	SS	HENRY BROOKS
SIDEWINDER	59718	99	555M	OLSN30-1	TA	MIKE/ BRAD JONES
SILVER BREEZE	79128	198	4652	CATA30-2	TT	LAURA CREWS
SILVER CLOUD	11	189	1535	PERR39	AN	TIM WENGER
SILVER LINING	570	156	3C35	BENE375-1	SS	MARY WHITE
SILVERCLOUD	69924	99	4555	JESP52	FH	LARRY BUGHIRHODES
SIR ISAAC	18944	93	4665	BURPS49		JOHN/ANN BAILEY
SIRIUS	79063	141	5635	JBOA32-1	SEQ	DURKEE B RICHARDS
SKANA II	279	141	2C45	SABR386-1	ST-1	PHILIPPE LINDHEIMER
SKOOKUM	154	117	5B5M	OLSN30-1	PYC	GEORGE BROWN
SKOOKUM TOO	79088	171	255M	XMART241-3	PYC	GEORGE BROWN
SLEAZY DOG	4	237	455M	RANW24-1	SH	MARK CARTER
SLICK	29727	153	546M	HOTF27-1	MP	DAVID LOWES
SLICK	69299	120	555M	JBOA29M	CNT	NELSON/ JOHNSON
SLINGSHOT	93	162	138M	ULTI20-1	OK	RICK ALMBERG
SLIPPERY WHEN WET	610	132	SW5M	ETCH22	RVC	BRIAN SPENCER
SLOOP DAWG	69849	93	3555	BENE405-1	ST-1	ADAM MARVIN
SLY	6586	150	5565	C&C33-1	PM	DAVID/SUSAN KASELER
SMILIN JACK	29410	198	555M	MORG27F	PM	JOHN C WADE
SNOWBIRD	1020	195	584M	THUN26	GH	EDWARD JOSBERGER
SOL PACIFICO	79141	141	3332	CATA470-3	NONE-1	RANDALL BARNES
SOLH	79008	81	4755	C&C110-1	PA	JOHN POPE
SOMETHING SPECIAL	32589	72	5555	JBOA35-1	SS	GLENN COWLING
SON OF RAVEN	69919	15	858M	F31TRI	NWMA-1	CHRIS S SHERMAN
SPARKLE	81	129	3345	C00081	NONE-1	GUY HUPY
SPECIAL PURPOSE	59592	99	555M	OLSN30-1	CNT	STEVEN A WAGNER
SPECTRE	7946	129	5555	CAL40-1	SE-2	LEE ROGGE
SPICE	59304	189	5B34	ISLA36-1	AN	ED KENNEDY
SPIFF	260	216	255M	RANC26-1	SS	TOM FELL
SPIRIT	7460	132	5545	CAL40-1	NONE-1	PETER HELSELL
SPIRIT	69051	81	5555	BENE36.7-1	SS	STEPHEN L. JONES
SPIRIT	69127	96	555M	HOB133-1	LA	DUANE BROYLES
SPUD	355	141	6654	JBOA30-1	SCYC	JOHN COLLINS
SPUTNIK	69170	168	555M	MOOR24-1	ST-1	STEVE BUNNELL

Name	Sail	Rtnng	Code	Type	Club	Owner
STARBLAZER	52615	57	5555	BENE40.7-1	CNW	ROBERT S HENNESSY
STARFIRE	59	270	422M	BLAN26	OI	STANLEY M MILLER
STARGAZER	164	165	SC65	VALT42-1	ST-1	KAUFFMAN/ CASE
STAY GOLD	134	126	5455	MORG36T-1	NONE-1	BRIAN BUGGE
STELLAR BLUE	0	126	36S5	HYLA49	SE-1	WILLIAM SMITH
STELLAR J	546	114	5655	JBOA80-1	CN-1	ALAN ROSS
STILL EN D NILE	19	132	3655	OLSN911	RC	ALLAN WEBER
STORM FRONT	64996	72	5655	SR33-1	SS	CHARLES NORMAN
STRAY CURRENTS	97279	81	S555	JBOA35-1	PYC	STANLEY K HEIL
STRIDER	49589	123	5745	HOTF31-1	CNB	DAVID O'CONNOR
STRING THEORY	69087	57	5655	OLSN40-1	CN-1	BOB KING
SUDDENLY	59298	192	5555	SANJ28-1	TT	DAVIS/ SWANSON
SUNDAY	900	195	ODR	THUN26-ODR	CE	KEN ADAMS/ EMNOTT
SUNDOWN	1283	204	5554	CATA30-1	NONE-1	ROB BILL
SUNNYVALE	151	99	ODR	MELG24-ODR	RVC	FRASER MCMILLAN
SUNRISE	29890	201	545M	CAL27T	NONE-1	DENNIS CAPUTO
SUNSHINE GIRL	69532	72	5555	JBOA35-1	AN	WALT MEAGHER
SWAN	1008	195	584M	THUN26	CNW	GARY W M DAVIS
SWEET SUE II	177	189	3C45	CATA36-1	MIL	DAVID MOTTER
SWEET SURRENDER	79116	147	2254	ERIC38-2	CE	JEFF HART
SYNDI-CAT	49732	222	554M	CATA27-1	AN	WALT MEAGHER
SYNERGY	97576	111	5455	OLSN34-1	NYC	ELAINE WADE
TA ATA ORI	538362	232	1243	COPR37-1	ST-1	JAMES LEISING
TAHLEQUAH	41793	72	5555	JBOA35-1	CN-1	DON/ GEORGE LEIGHTON
TAJ MAHAL	445	129	S455	JBOA80-1	NONE-1	DAVID SCHUTTE
TAKING OFF	69262	72	5555	JBOA35-1	CN-1	RUSSELL ENGBRECHT
TAKU	59926	141	5555	JBOA30-1	SS	THEO SINGELIS
TANGO	0	204	3444	CAL34-1	SEAS	DAVID D'AMORE
TANGO	38168	27	4555	JBOA133-1	CN-1	BRIAN R DUCHIN
TANTALUS	73399	75	5555	EXPR37-2	CN-1	OLE HOVLAND
TANTIVY	248	69	4W55	JBOA109-2	CN-1	STUART BURNELL
TATOOSH	51910	48	5575K	SWAN51	NONE-1	G. THOMAS HUTTON
TAXI	407	195	444M	CAPRI25-1	ST-1	ARKADIY TSEYTLIN
TEDDY BEAR	69150	39	5745KK	DAVI41-1	AN	GRAY HAWKEN
THE BANANA STAND	104	156	556M	SANZ27-1	ST-1	ADAM YURET
THE BOSS	69112	72	5555	JBOA35-1	CNW	CHAD STENWICK
THEORY	9780	216	3555	CAL30-1	ST-1	THOMAS BARRIGAN
THIRSTY	34498	132	S555	C&C35-3	RC	ALAN BERGEN
THREE RING CIRCUS	37	174	555M	OLSN25-1	ST-1	NATE CREITZ
THUMPER	77629	150	556M	EXPR27-1	HDR	ERIK HAUGE
THUNDERBABY	1266	195	ODR	THUN26-ODR	MIL	DUANE EMNOTT
THUNDERPIG	117	303	555M	RANW20-1	SYS	JACQUELINE PITTER
THUNDORCA	39500	117	4545	TART41-1	NONE-1	SCOTT KANLYN
TIGGER	22	57	S36M	FLT110-1	CNW	CODY PINION
TIME BANDIT	50	54	5355	JBOA120-2	OI	ROBERT BRUNIUS
TIOGA	275	123	5555Y	50YAWL	SE-2	FRANK/ AXEL SCHATTAUER
TIR NA NOG	69456	138	5555	TART37-2	ST-2	WILLIAM H FRASER

Name	Sail	Rtnng	Code	Type	Club	Owner
TOKOLOSH II	19823	225	5565	NSTR30-1	RVC	ROLF SCHMIDT
TOURIST	18	87	5555	JBOA100-1	SE-1	WILLIAM DANIEL
TRANQUILLITE'	87788	78	3545	SWAN46-2	ST-1	JACK SHANNON
TRIM	4	117	187M	DART25-1	NONE-1	TODD/ CYNTHIA WYRICK
TROUBLE MAKER	604	93	S655	JBOA105	PYC	KENT SISK
TUMBLEHOME	69046	153	5465	C69046	PM	SCOTT B SPRAGUE
TURBO	4	147	229M	MART244	SS	ERIC OLSEN
TWO BITS	49125	243	555M	GAZE22-1	LAD	PENNY CAMERON
UNO	26001	81	145M	XSIER26	PM	BRAD BUTLER
UNO MAS	47727	207	1535	RANC28-1	BR	JOHN MITCHELL
UNSCREWED	31	-10	555M	F25C	ST-1	DANIEL BLANCHARD
VELA VOLTA	61314	117	3555	BAVA35M	ST-1	STEVE KIRSCH
VELOCITY	28642	72	6555	JBOA42-1	PYC	THOMAS KEFFER
VERTIGO	737	117	127MT	VERT26-1	OK	SHANNON BUYS
VICTORIA	41	99	6555	C&C99-1	CE	GRANT OSBERG
VICTORY	69169	132	5555	SANT30/30	CDA	PHIL WALKER
VITESSE	240	81	5555	BENE36.7-1	BL	DAVID STEFFEN
VIVACITE	40954	105	S455	JEAN409	CNT	PETER BARBIN
WAILANA	42204	99	5565	EXPR34-1	NONE-1	GREG SUTHERLAND
WAR CANOE	57	54	ODR	MUMM30-ODR	CN-1	GOLDFARB/ CHRISTIANSEN
WATER STREET	1376	252	554M	CAL24-2	ST-1	MARK JACKSON
WATER WESTIE	29974	210	5555	NEWP30-1	ST-2	GATES/ ANGELA STEPHENS
WAVELENGTH	49922	198	3565	RANC29-1	ST-1	ERIC DUNKEL
WESTERLY	18997	-66	5555	SANZ70-2	RVC	STUART DAHLGREN
WHIFFLER	401	207	3535	RASM35	OI	WAREHAM FAMILY
WHIRLAWAY	59014	225	665M	SANJ24-1	SYS	WILLIAM WILKERSON
WHISTLING SWAN	69494	156	6555	ISLA36-1	ST-2	WILLIAM PIRRIE
WHITE CLOUD	8455	18	5W55	COOK12M	CN-1	STEVE JOHNSON
WHITE RAVEN	923	126	3555	CAV45-1	OL	RICK ANTLES
WHITE SQUALL	9678	132	8545	XCAL40	TA	ROGER J DEITZ
WICKED WAHINE	125	24	2K95	MELG32-1	SE-1	DARRIN TOWE
WILD BLUE	151	51	5545	JBOA120-2	AN	MICHAEL PICCO
WILD RIDE	109	42	66RM	HEND30-1	NONE-1	ROBERT FOLEY
WILD RUMPUS	83	156	556ME	SANZ27-1	AN	ANDY SCHWENK
WILD THING	69811	96	546M	HOB133-1	PA	JEFF MILLET
WILDFLOWER	69264	105	5555	JBOA35-2	GH	THOMAS W MITCHELL
WILL O THE WISP	29647	45	4555	XPETR41-2	NONE-4	JAMES WILSON
WIND CHASER	28112	153	2555	ERIC35-3	GH	MICHAEL J MORDUE
WIND CHILD	74329	114	5745	BENE36S7-2	SEQ	RUDY HEESSELS
WINDRIFT	0	210	3355	NEWP28-2	MIL	MARK FEJO
WINGS	244	120	565M	JBOA29-1	ST-1	LAURIE KAPLAN
WY'EAST	141	153	5935HR	CASC36-1	SYS	FRANK P COLISTRO
WYNSOME	617	183	3565K	ELAN31-1	RVC	BISHOP/ ANDERSEN
X-1	37	141	665MKE	BBOA25-1	NONE-1	DEREK STEERE
YEAH BABY	79144	132	5555	STW09.1	CNP	MICHAEL A PITARRESI
YEAH DOGG	108	174	555M	OLSN25-1	OK	CHAD HOLCOMB
ZAMBUCA	74399	69	1565	C&C115-1	SE-1	ANDY ROTTLER

Name	Sail	Rtnng	Code	Type	Club	Owner
ZEN NO ZEN	79016	168	5555	ELIT32-1	IYC	ROSS BERNARD
ZEPHYR	19466	201	155M	CAL29-1	RVC	DENNIS WOODWARD
ZEPHYR	59686	198	5554	SANJ28-1	ST-1	GARY CLOUSE
ZIPPER	57878	156	556M	SANZ27-1	NONE-1	ALEXIA FISCHER
ZULU	74391	66	1565	C74391	SID	A.FINDLAY GIBBONS
ZZZAP	180	105	S55M	HOB133-1	RVC	GREG/VANESSA ZAPUTIL