

CHARACTERISTICS OF 2007 LOCAL OR REGIONAL USPHRF AFFILIATED FLEETS

The following table displays fleet name, location, number of boats handicapped, wind conditions, courses sailed, and methods used to determine handicaps.

FLEET	NUMBER OF		WINDS	COURSES	HANDICAPPING METHOD
	BOATS	LOCATION			
ALAMO YC (TX)	80	Canyon Lake north of San Antonio.	Variable shifting winds, 3-10 knots in the summer and fall, 5-15 knots in the winter and spring.	Triangle, windward/leeward or combinations of 3-7 naut. miles.	Handicaps are originally derived from the handicaps book; a handicap is then reviewed and may be changed as local experience is gained.
ALUM CREEK SAILING ASSOCIATION (OH)	44	Alum Creek Lake.	The winds are light and variable.	The average course is around the buoys, 3.2 miles.	Handicaps are drawn from the book, but changed if local experience with a model is out of line with the book.
ATWOOD YACHT CLUB (OH)	52	Atwood Lake, a small inland lake 30 miles SE of Canton, Ohio	Winds average at 5 - 10 MPH in Spring and Fall. In summer winds vary considerably with about 30% of races in light air.	Courses are around permanent marks to accommodate windward starts and finishes, and vary from 3 to 7 naut. miles.	Handicaps are drawn from the book and modified as local experience is gained.
BELLPORT BAY YC (NY)	15	Bellport Bay Yacht Club races in a coastal bay.	Strong winds from the southwest vary from 12-20 knots.	Courses are triangular with an added windward or leeward leg and are 3-4 naut. miles with races of 8 miles in the fall.	Handicaps are originally derived from the handicaps book; a handicap may be reviewed and changed on the basis of local experience.
BLACKWATER YRA (VA)	22	Blackwater Yacht Racing Association races on Smith Mountain Lake, a large lake.	Courses are windward leeward, 2 to 10 miles depending on winds.	Courses are windward leeward, 2 to 10 miles depending on winds.	Handicaps are the result of adoption from other fleets, with a few local adjustments to specific models.
CARLYLE YC (MO)	27	Carlyle Yacht Club sails on Lake Carlyle, a small lake, 3 x 9 miles.	Three usual courses are used, triangle windward/leeward, windward/leeward triangle windward/leeward and windward/leeward two times. Leg distances usually 1-2 miles each.	Three usual courses are used, triangle windward/leeward, windward/leeward triangle windward/leeward and windward/leeward two times. Leg distances usually 1-2 miles each.	Handicaps are the result of adoption from other fleets, with a few local adjustments to specific models.
CHARLESTON OCEAN RACING ASSOCIAT	68	Charleston Ocean Racing Association's sailing area is Charleston harbor and coastal areas.	Winds are light in the summer and moderate to heavy in the spring and fall. Harbor courses are around-the-buoys (12 naut. miles)	offshore triangular races (30 naut. miles) and overnight offshore races are point-to-point (60-100 naut. miles).	Handicapping is independent but the fleet is a member of the South Atlantic YRA (SAYRA) and SAYRA's ratings are used as a guideline.
Corpus Christi BAY PHRF	Unreported	Unreported	Unreported	Unreported	Unreported

FLEET	NUMBER OF BOATS	LOCATION	WINDS	COURSES	HANDICAPPING METHOD
DETROIT REGIONAL YRA (MI)	307	The DRYA races primarily on Lake St. Claire, a large lake. Because of the shallow depth, sea state is frequently choppy.	Wind is generally 8-10 knots.	Three courses are generally used, windward/leeward of 6-10 naut. miles, around the bouys, and point-to-point of 15+ naut. miles	Handicapping is derived from the book, with adjustments for local experience.
DULUTH YACHT CLUB PHRF(MN)	30	he Duluth Keel Club sails on the open coast and coastal bays of western Lake Superior.	Winds are varied; onshore breezes of 10-20 m.p.h with 2-4 ft. seas; offshore breeze gusts 10-25 m.p.h, oscillating shifts, flat or calmer seas.	Courses are mostly windward/leeward at 5 naut. miles with some Olympic and point to point races also.	Handicaps are adopted from the book, with adjustments made for local experience.
EAST COAST SAILING ASSOCIATION PHR	53	ECSA sails in Brevard County on the Indian River, with shorter races less than 100 miles off Port Canaveral.	Winds range from 5-15 knots in the summer to 8-20 knots in the fall and winter.	Races are triangular windward-leeward or windward-leeward for performance spinnaker boats. Ocean races are usually 60 mile triangles.	Handicaps are generated locally only if the particular model is not listed in the current book.
EASTERN CONNECTICUT SAILING ASSOC	240	Eastern Connecticut SA sails the open coast and coastal bays of Eastern Long Island Sound and Block Island Sound.	The average wind is assumed to be 10-12 knots true wind, but most races will have winds in the 5-15 knot range.	All variety of course types are employed, chosen by the club sponsoring any given race.	Ratings are initially derived from the book, and may be revised as experience is gained with the boat class.
ESSEX COUNTY (ON)	85	Essex County PHRF Association races on Lake Erie, Lake St. Clair and the Detroit River.	Winds are 5-15 knots out of the south south west and 4-10 knots from the north east.	Courses are modified Olympic or windward/leeward, with some long distance races of 32-48 naut. miles.	Handicaps are initially derived from the handicaps book; a handicap may be reviewed and changed on the basis of local experience.
FORT WORTH BOAT CLUB (TX)	69	The Ft. Worth Boat Club races on Eagle Mountain Lake.	Summer winds are generally under 10 knots while winds in the remainder of the year blow 10-15. Occasional frontal systems bring winds to 20 to 30 knots.	This fleet has both spinnaker and genoa fleets. The spinnaker fleets use windward leeward course with 5 to 7 legs. The Genoa fleets race triangle W-L courses with 4 to 6 legs.	Handicaps are derived from the book and adjusted as experience warrants

FLEET	NUMBER OF				
	BOATS	LOCATION	WINDS	COURSES	HANDICAPPING METHOD
GULF YA (FL, AL, MS, LA)	850	Gulf YA's sailing area is open coastal bays in Florida, Alabama, Mississippi and Louisiana and the Mississippi Sound.	Winds go through fairly extreme seasonal changes but average on light to moderate.	Courses run the gamut from individual club series (triangles, 12-18 naut. miles) and GYA series (triangles, 16-25 naut. miles and Olympic championship style courses of 25 naut. miles) to long distance races which are either triangle or point-to-point courses (100-200 naut. miles).	Handicaps are primarily independent judgments. GYA reviews national ratings (primarily larger fleets) as one tool to measure our ratings on. We also call other areas, manufacturers, sailmakers and have our own race results program. The national averages are helpful when we have a new boat to rate, with little data. We then assign provisional ratings until we gain our own experience. When we use national ratings we generally compare the rating of the new class to that fleet's rating of a boat that we have good experience with, and use the data applied to get the provisional.
GULF YACHTING ASSOCIATION PHRF (T)	189	PHRF of Galveston Bay races in the open coast and coastal bay of the upper Texas coast.	Winds are 10-12 knots, usually S SE.	courses are mostly windward/leeward. Some offshore long triangles also.	Handicaps are adopted from the book with a few local adjustments to specific models.
HALIFAX (FL)	27	The Halifax River Yacht Club races in the coastal Daytona Beach area (East Central Florida).	. In Spring all wind and sea conditions occur. Late summer to early fall winds lessen to 0-10 knots in the morning building to 15 in the afternoon.	A windward/leeward course has been established. Each leg measures two miles. Spinnaker boats race 16 miles and non-spinaker and cruising boats race 12 miles and 6 miles, respectively.	Handicaps are derived from those listed in the handicaps book with some adjustment to local conditions.
HARBOR ISLAND YC (TN)	46	This fleet races on Old Hickory Lake in Hendersonville	The winds average 5 - 10 knots.	The courses are a river course, upwind turn downwind, course curves 285°.	Handicaps are derived from the book, until local experience dictates a change.
LAKE CHAMPLAIN RACING CONFERENCE (VT)					
LAKE HURON (MI)	99	Lake Huron is a large lake	average winds of 12 knots. In the spring and fall winds are usually from the north or south of 10-20 knots.	winds are usually from the north or south of 10-20 knots.	The fleet is an independent handicapping agency providing handicaps for area YRAs or clubs. Handicaps are drawn from the book and might be adjusted locally.
LAKE KEOWEE PHRF FLEET (SC)	32	This fleet sails on a large inland lake in northwestern South Carolina.	The prevailing winds vary from 5-10 knots in summer, 8-12 in spring and fall and 10-20 during the winter months.	Races are usually windward leeward courses around buoys under 4 miles with both upwind and downwind finishes.	Handicaps are drawn from the book and changed as local experience warrants.
LAKE LANIER YRA (GA)	151	Unreported	Unreported	Unreported	Unreported

FLEET	NUMBER OF BOATS	LOCATION	WINDS	COURSES	HANDICAPPING METHOD
LAKE MEMPHREMAGIG PHRF (VT)	Unreported	Unreported	Unreported	Unreported	Unreported
LAKE MICHIGAN PHRF(WI, IL, IN, MN)	890	The Lake Michigan PHRF fleet encompasses Lake Michigan, Lake Superior, bays and inland lakes of Wisconsin, Illinois, Indiana, Michigan and Minnesota.	Winds average 8-15 knots, with some extremely light winds at the end of July and "blows" late August and September.	Courses are long distance, windward/leeward and closed triangle.	Handicaps are independently formulated though anchored by one or more common models to the national scale. Handicaps may also be based on statistical analysis of yacht performance in racing conditions.
MIDWEST OPEN RACING FLEET	106	he Chicago Midwest Open Racing Fleet sails on the southwest end of Lake Michigan.	Winds average 8-10.	Most races are triangle, modified Olympic and occasional windward-leeward.	Handicaps are drawn from the book, but adjusted if local experience is out of line with the book.
MONTEREY BAY - PHRF (CA)	98	The Monterey Bay fleet raaces along the open coast and on coastal bays	8 - 15 knots with frequent windy days of 15-22 knots with 3-8 foot seas, in winter 5 knots with flat seas.	Races are windward/leeward with occasional reach mark..	Handicaps are derived from the book and reviewed as soon as the fleet has some local experience .
NORTH CAROLINA PHRF	204	NC PHRF sails the coast and rivers of north Carolina.	Winds on the ocean are 10-20 in fall and spring lessening to 5-15 in the summer. Winds on the rivers and sounds are typically 5 knots lower.	Olympic and windward/leeward courses of 5-15 naut. miles. are sailed with some point-to-point races of up to 75 naut. miles.	The handicaps book is used as a reference when assigning a handicap, with the emphasis being placed on the committee's assessment of the local potential of the boat .
OKLAHOMA CITY BOAT CLUB (OK)	137	The Oklahoma City Boat Club races on Lake Hefner, a small lake.	Wind conditions vary from 5-25 knots, with the average at 10-15 knots.	Race courses are mostly Olympic and windward/leeward, 5-8 miles in length.	Handicaps are generated locally only if a model is not listed in the current handicaps book.
ONEIDA LAKE SAILING CLUB (NY)	25	Oneida Lake is a large lake in northern New York.	Winds are generally out of the west, ranging from 0-35 knots, usually 5-15 in the mid summer.	Courses are triangular or windward leeward, approx. 4 to 6 nautical miles.	Handicap assigned is the average of handicaps listed in the book for a particular model, but adjusted locally.
PHRF of BRITISH COLUMBIA SAILING	297	BC Sailing is the Provincial Authority for sailing. Our program administers PHRF for yacht clubs around Vancouver and assists in the development of PHRF programs for member club in the Province.	Winds in the Vancouver area are generally 8-12 knots.	This fleet uses all types of courses, both distance and course racing.	Handicaps are drawn from the book unless the model is not listed or experience with the class is out of line with the book, then it would be derived locally.

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PHRF of EASTERN LONG ISLAND (NY)	108	PHRF of Eastern Long Island races on Peconic and Gardners Bay at Eastern Long Island, New York.	Winds are 8-10 knots with flat water.	All types of closed courses with an average length of 9 to 10 miles are generally used.	he fleet is an independent handicapping agency providing handicaps for area YRA and clubs. Handicaps are initially derived from with book, with adjustments made after local experience with the boat.
PHRF of LAKE ERIE (OH)	780	Lake Erie	Winds vary from 0-30 knots, variable conditions rule.	There is no average course type. Buoy races are windward/leeward and triangles, distances range from 3-85 naut. miles.	While the ratings determined by Lake Erie's very large and active handicapping committee are independent judgments, they do also compare IOR, MORC, and IMS ratings of like boats that are known to be of the same design vintage.
PHRF of LAKE ONTARIO	1494	PHRF of Lake Ontario assigns handicaps for local clubs and YRAs on Lake Ontario, Lake Simcoe, the Southern Georgian Bay, and Ottwa Valley.	Winds in this region are variable, averaging 8-12 knots.	Clubs generally race on Olympic, windward/leeward and Gold Cup courses of 6-10 naut. miles.	Handicaps are reviewed before being issued to a new model, even if reported in the book by several fleets. The local handicap may be different from the norm based on handicappers' opinion and local potential.
PHRF of NARRAGANSETT BAY (RI)	700	Sailing in and around coastal Narragansett Bay and on the open coast of Block Island Sound, PHRF of Narragansett Bay	winds of 10-15 knots, usually a southwesterly breeze.	Course types range from 6 naut. miles w/l to 100 naut. miles overnight races.	Ratings are provided for a YA and its member clubs. The handicapping procedure is totally independent, although ratings from other areas may be used as a reference. IMS time allowances are also referenced.
PHRF of NEW ENGLAND	1084	sailing areas include open coast and bays of Buzzards Bay, Massachusetts Bay, Gulf of Maine and Lake Winnepesaukee.	Wind conditions vary from place to place and from season to season. Winds tend to be light to moderate in some areas while Buzzard's Bay and Cape Cod tend to be moderate to strong.	Races are windward/leeward triangle with 2 mile legs, others are around government buoys of various configurations and lengths.	PHRF New England is an independent handicapping agency that provides ratings for area YRAs and clubs. andicaps represent totally independent judgments.

FLEET	NUMBER OF		WINDS	COURSES	HANDICAPPING METHOD
	BOATS	LOCATION			
PHRF of SE FLORIDA, Inc.	300	PHRF of Southeast Florida races along the coast and bays of S.E. Florida. There are some Gulf Stream crossings, which are not generally used for handicap adjustments.	Winds average 5-15 knots in the summer and 10-20 knots in the winter.	Courses are a fair mix of beats, reaches and runs in Biscayne Bay, Miami and the Keys. There is substantial reaching in the coastal races.	An initial handicap is generally the median of all handicaps published in the handicaps book for a particular class. Where no handicap is published several estimating models using dimensions or other rating rules are utilized. Actual race analysis is used for adjustments to the race.
PHRF of SOUTHERN CALIFORNIA	1418	PHRF of Southern California's sailing area is the California coast, coastal bays and harbors from Santa Barbara to San Diego.	Because of the size of the territory there is no one typical wind range; some sections usually have 6-8 knot winds, other areas average as much as 12-18 knots.	The fleet holds several major ocean racing events including the Newport to Ensenada Race. In addition to offshore racing, various clubs hold race series and Olympic type events. Courses are expressed in naut. miles.	Handicaps are derived from the book; the handicap can be changed based upon local experience
PHRF of THE CHESAPEAKE (MD)	1177	Chesapeake Bay	Average wind conditions for the Chesapeake Bay are 5-15 knots. In the Spring and Fall, the wind will typically be stronger than the summer months.	Configuration left to clubs	Handicaps are generally based on windward/leeward "buoy" type courses of 10 nautical miles or more in length. Course configuration is left up to member clubs. Chesapeake's handicaps are totally independent judgments (handicaps of other areas are used as a reference).
PHRF of THE MIDDLE ATLANTIC (NJ)	248	PHRF of the Middle Atlantic races along the New Jersey coast and part of New York as well as nearby bays.	The wind ranges from 7-12 knots, higher in the Spring.	Courses are primarily windward/leeward.	independent handicapping agency providing handicaps for area clubs and YRAs. Handicaps are drawn initially from the book and automatically reviewed as soon as the fleet has some local experience.
PHRF of THE NORTHWEST (WA)	942	PHRF of the Northwest provides handicaps for a huge territory in the Northwestern US and Canada.	Sailing conditions cover the complete range of experience from light to heavy on lakes and 40-50 knots for exposed ocean sailing.	Races are usually buoy courses with some long distance races throughout the year.	The handicapping procedure is that handicaps are drawn from the book, but adjusted locally if experience with the class is out of line with the book. They are an independent handicapping agency providing handicaps for area YRAs or clubs.
SAIL (C0)	Unreported	Unreported	Unreported	Unreported	unreported
SOUTH ATLANTIC YRA (SC)	139	The South Atlantic Yacht Racing Association sails along the open coast and coastal bays of Georgia,	Winds are moderate SE in the spring, light SE in the summer and moderate to heavy NE in the fall	Courses are triangles of 10-30 naut. miles and point to point of 30-130 naut. miles.	Handicaps are originally derived from the handicaps book; a handicap may be reviewed and changed on the basis of local experience.

FLEET	NUMBER OF		WINDS	COURSES	HANDICAPPING METHOD
	BOATS	LOCATION			
SOUTH TEXAS PHRF (tx)	79	South Texas PHRF races on Corpus Christi Bay and Texas Gulf Coast.	Winds are 15-25 knots from the south to southeast.	Courses are triangles of 10-30 naut. miles and point to point of 30-130 naut. miles.	Handicaps are reviewed for a new model; even if a handicap is reported, the local handicap is usually assigned.
ST. LAWRENCE VALLEY YRA (PQ)	200	The sailing area is Lake St. Louis and Lake of Two Mountains, Montreal--two moderately sized interconnected lakes	winds averaging 6 knots; being stronger in May-June and September-October.	. Courses are typically triangular or windward-leeward, 3-7 naut. miles. Port-to-port races of 10-20 naut. miles are held.	Historically, handicaps are 6 sec/naut. miles slower than Lake Ontario for cruiser/racers, and the same for racers.
TAHOE YACHT CLUB (CA)	43	Tahoe Yacht Racing Fleet races on Lake Tahoe which is a large lake at an elevation 6200 feet with 3-12 knot winds.	3-12 knot winds. The typical alpine lake variations are experienced.	Courses are windward-leeward of 1-3 naut. miles, with occasional point-to-point races.	Handicaps are originally derived from the handicaps book; a handicap may be reviewed and changed based upon local experience.
TEXOMA SAILING CLUB PHRF (TX)	20	Texoma Sailing Club races on the large Lake Texoma on the Texas/Oklahoma border.	Winds average 12 knots and are stronger in the spring and fall.	A mixture of triangle and windward-leeward races are held during the spring, summer and fall, averaging 10 naut. miles in distance. Occasionally longer distance races are held.	Initial handicaps are derived from the Book. Handicaps are adjusted if local experience dictates.
THUNDER BAY YACHT CLUB PHRF	29	Thunder Bay Yacht Club sails on the open lake and coastal bays of Lake Superior.	Summer winds of 0-15 knots increase to 5-20 knots in other seasons. Point-to-point races of 20-100 naut. miles are held throughout the summer season.	Point-to-point races of 20-100 naut. miles are held throughout the summer season. Most races are short evening races, modified Olympic triangles of 5 naut. miles, with some medium and long distance races during the year.	The standard handicapping procedure is that handicaps are drawn from Lake Michigan PHRF, but adjusted locally if needed.
WEST FLORIDA PHRF, INC.	150	West Florida PHRF sails on the open coast and coastal bays from Crystal River to Marco Island.	Winds are variable, light to 25-30 knots.	Unreported	Unreported
WESTERN CAROLINA SAILING CLUB (SC)	15	The sailing area for the Cruising Fleet of Western Carolina is Lake Hartwell, a small lake near Anderson, SC.	Winds are generally light from SW to N, below 10 knots.	Courses are generally windward/leeward 3 to 18 naut. miles.	Handicaps are generated locally only if the model is not in the current book, otherwise it is derived from the book.
YRA OF LONG ISLAND SOUND PHRF	800	The sailing area for the YRA of L.I.S. is Western Long Island Sound.	Winds are 8-12 knots with light chop.	Courses are 4-8 naut. mile windward/leeward.	Handicaps are independent judgments (handicaps of other areas are used as a reference).
LAKE NORMAN (NC)	35	Lake Norman PHRF Fleet of Outrigger Harbor Sailing Association sails on a large, narrow lake, north of Charlotte.	Summer winds are 2-7 knots and 10-20 knots in the other seasons.	Courses are generally around pre-set marks on the lake or around buoys, windward/leeward.	Handicaps are initially derived locally for unlisted models; the Book is used for all other models.

FLEET	NUMBER OF BOATS	LOCATION	WINDS	COURSES	HANDICAPPING METHOD
NOVA SCOTIA	515	The sailing area of the Nova Scotia YA is the coastal waters of Nova Scotia and the Bras D'Or Lakes.	12-18 knot winds are common for afternoon races and 0-5 knots for evening races.	Racing varies from coastal passages races of 100 naut. miles to windward/leeward courses with .5 naut. mile legs. Most clubs race around existing navigational buoys with course lengths of 10-20 naut. miles. NSYA is not, strictly speaking a PHRF fleet.	handicapping procedures are the same as those of a PHRF fleet, up to the last stage, where we apply time-on-time corrections then publish Time Correction Factors, rather than Time Allowances. Thus area results are not of direct use to other fleets. Our experience is that time-on-time correction is better in the short term for round-the-buoy racing of the type most common here--although, averaged over the whole season--there is little difference." Handicapping is independent except that the "scale" is anchored by correlation with national averages. New handicaps are developed by comparison of non-dimensional performance ratios with those of known classes.