
BYRA handicaps are adjusted on an annual basis. This is done by averaging all of the relevant fresh water clubs pul

There are currently 42 clubs in the database, but not all of these clubs race the boats that race in BYRA. Some BYR the J24 which is raced in 22 of the clubs, or the Catalina 30 which is raced in 18. However, there are many boats in and some in only one or two, so the averages for those boats may not be truly representative of how the boats pe

During the past year we collected and stored elapsed times for all boats in all series races and regattas. This infor scores for every boat in the BYRA fleet and incorporating those results with the other 42 fresh water clubs in the Pl

The basic rationale for establishing a "Blackwater Number" for every boat is to make sure the actual performance c become a part of the PHRF scores. The "Blackwater Numbers" are not stand-alone numbers, but they do become that sail each particular boat. And we need to consider the range of the numbers shown for each boat in the PHRF within the existing range. No correction should be allowed to pass the upper or lower limit.

The "math logic" is relatively straightforward. The first step is to pick a "Baseline" boat in each fleet. Ideally this w sailing this type of boat, and the BYRA boat participates in most of the BYRA races. Jim Forrester's Catalina 30 is a Fleet Four. The are 18 freshwater clubs currently scoring the Catalina 30 so the database is relative large and "Gott

The adjusted times for each boat in the fleet are compared to the adjusted times for the baseline boat, including ti an average is calculated for each boat. While is possible that the baseline boat and the competitor could have exa always higher than the other. To illustrate this, Jim Forrester's average race time was 42.41 when racing in races w of 44.27. The Baseline boat was, on average 4.38% faster than the **Beneteau 285**.

The PHRF rating for the **Beneteau 285** was 188 in 2012 and that is based on the average of 4 freshwater clubs. If v "Blackwater Number". The range for the Beneteau 285WK is 180 to 213 so the "Blackwater Number" falls well wi number is now averaged in with the other freshwater clubs and the result is a new handicap for the **Beneteau 285** the **Beneteau 285** up one second, so the "net: net" is that our BYRA scores suggest this boat deserves one additior would be used at the new handicap for 2014.

We have also considered adding the PHRF scores for the Chesapeake to help increase the size of the databases for the addition of Chesapeake scores either does not change the current numbers, or it gives an extra second or two. Beneteau 285 as the example, the handicap will remain at 190 if the Chesapeake is added to the calculation.

BYRA Handicaps Updated 1/4/2013

Fleet: Blackwater Yacht Racing Association (BYRA or Blackwater)

Data taken from the US Sailing PHRF 2012 Book (Average of Inland Lakes Fleets)

Boat	2012 Sec/ Mi	2013 Sec/Mi	Modifiers	BYRA Spin Rating	BYRA Non-Spin Rating	# of Boats	Owners	2012 Fleet
Beneteau 29	164	164	C	167	182	1	DeMestro	IV
J/24	170	170		170	185	5	Cliborne Phillip Sampson Flippin Fourqurean Maloney	I
Kirby 25	171	171		171	186		Shaffer	I
Pearson 303	181	180	C	183	198		Sizemore	IV
S-2 9.2A	182	182	C, D	188	203		Oginz	IV
Catalina 30 FK	186	186		186	201		Forrester	IV
Catalina 27 TMOB	198	197		197	212		Compton	IV
Beneteau 285 WK	188	188	C,D	194	209	2	Short, Gearhart	IV
Bristol 35	201	201		201	216		Ramey	IV
Pearson 27-2	203	203		203	218		Malburg	IV
S-2 6.7	206	206		206	221	2	Theis, McGuire	II
Bavaria 770	207	207		207	222		Shelton	II
Harbor 20	208	208		208	223	2	Breckenridge, Lassiter	II
Alerion Express 20*	213	213		213	228		Whitt	II
Catalina 27 1B	208	208		208	223		Cox	IV
Pearson 26	213	213		213	228		Hull	II
San Juan 24		218		218	233		Shelton	II
Catalina 25 TMFK	221	221		221	236	2	Sweet, Tunnell	II
CAL 25	222	223		223	238		Witten	II
Santana 20	223	223		223	238		Schiabale	II
Freedom 21	238	239		239	254		Stow	III
Hunter 23 WK	238	239		239	254	2	Miekina	III
Hunter 23WK	238	239	C	242	257		Grogan	III
Ericson 23 CB	240	240		240	255		Schraw	III
Ericson 23-2 CB	240	240	C	243	258	2	Boe	III
Hunter 23.5	239	239		239	254		Perdue	III
Catalina 22 SK	271	271		271	286			III
VX1 Provisional		107		107	122		Gietl	1

CB - Centerboard

BYRA PHRF MODIFIERS

- FK - Fin Keel A. LP Genoa Greater than 155%: Minus 5 seconds.
- OB - Outboard engine B. Working Jib 100% or less: plus 5 seconds
- ODR - One Design Rig C. Headsail and Main Roller Furling Plus 3 seconds each
- SD - Shoal Draft D. Propeller Solid Blade, i.e. Non-folding, + 3 sec
- SK - Swing Keel E. Shoal Draft If not defined in PHRF tables: + 6 sec
- TM - Tall Mast F. ODR (One design racer) as listed, no modifiers allowed.

WK - Wing Keel

* Provisional, subject to PHRF performance updates

** Indicates a fleet change from original placement. **Must request fleet change request annually.**

"Inland Average" BYRA handicaps are developed using the average of PHRF Inland Lake Fleets including the Great Lakes . The method of calculation excludes "A Category" (first time ratings) and "B Category" (up to 1 season of experience) if there are no racers reported. All "C" Category Included.

Active racers in red:Fleet I-5, II-8, III-6, IV-6

A large grid of graph paper with a vertical line near the right side. The grid consists of 12 columns and 24 rows of squares. A vertical line is positioned between the 10th and 11th columns, extending from the top to the bottom of the grid.

BYRA Handicaps Updated 1/4/2014 Inland Lakes									
Fleet: Blackwater Yacht Racing Association (BYRA or Blackwater)									
Data taken from the US Sailing PHRF 2013 Book (Average of Inland Lakes Fleets)									
Boat	2013 Sec/ Mi	2014 Sec/Mi	Modifiers	BYRA Spin Rating	BYRA Non-Spin Rating	# of Boats	Owners	Fleet	
FLEET 1									
VX1 Provisional	107	107		107	122	1	Gietl	I	1
J/24	170	170		170	185	5	Cliborne Phillip Sampson Flippin Fourqorean Maloney	I	1
Kirby 25	171	172		172	187	1	Shaffer	I	1
J22		177		177	192	1	Schiabale	1	1
FLEET 2									
S-2 6.7	206	206		206	221	1	Theis	II	2
Harbor 20	208	208		208	223	3	Breckenridge, Lassiter, Hemler	II	2
Alerion Express 20*	213	213		213	228	1	Whitt	II	2
Pearson 26	213	212		212	227	1	Hull	II	2
C & C 25 OB		216		216	231	1	Evans	II	2
San Juan 24	218	218		218	233	2	Firing, Shelton	II	2
Catalina 25 TMFK	221	221		221	236	1	Tunnell	II	2
CAL 25	223	223		223	238	1	Witten	II	2
Santana 20	223	223		223	238	1	Schiabale	II	2
FLEET 3									
Hunter 23 WK	239	238		238	253	1	Miekina	III	3
Hunter 23WK	239	238	C	241	256	1	Grogan	III	3
Hunter 23.5	239	239		239	254	1	Perdue	III	3
Ericson 23 CB	240	240		240	255	1	Schraw	III	3
Ericson 23-2 CB	240	240	C	243	258	1	Boe	III	3
Cal 21		262		262	277	1	Bouvier	III	3
Catalina 22 SK	271	271		271	286	1	Walter	III	3
FLEET 4									
Beneteau 29	164	164	C	167	182	1	DeMestro	IV	4
S-2 9.2A	182	182	C, D	188	203	1	Oginz	IV	4
Catalina 30 FK	186	186		186	201	1	Forrester	IV	4
Beneteau 285 WK	188	189	C,D	195	210	2	Short, Gearhart	IV	4
BYRA PHRF MODIFIERS									
CB - Centerboard									
FK - Fin Keel	A. LP Genoa				Greater than 155%: Minus 5 seconds.				
OB - Outboard engine	B. Working Jib				100% or less: plus 5 seconds				
ODR - One Design Rig	C. Headsail and Main Roller Furling				Plus 3 seconds each				
SD - Shoal Draft	D. Propeller				Solid Blade, I.e. Non-folding, + 3 sec				
SK - Swing Keel	E. Shoal Draft				If not defined in PHRF tables: + 6 sec				
TM - Tall Mast	F. ODR (One design racer) as listed, no modifiers allowed.								
WK - Wing Keel									
* Provisional, subject to PHRF performance updates									
** Indicates a fleet change from original placement. Must request fleet change request annually.									
"Inland Average" BYRA handicaps are developed using the average of PHRF Inland Lake Fleets including the Great Lakes . The method of calculation excludes "A Category" (first time ratings) and "B Category" (up to 1 season of experience) if there are no racers reported. All "C" Category Included.									

**BYRA Handicaps Updated 1/1/2019 Inland Lakes AND Chesapeake
Fleet: Blackwater Yacht Racing Association (BYRA or Blackwater)**

Update 2019

Data taken from the US Sailing PHRF 2019 Book (Average of Inland Lakes Fleets)

Boat	2016 Sec/ Mi with Chesap.	Modifiers	BYRA Spin Rating	BYRA Non-Spin Rating	# of Boats	Owners	Fleet
FLEET 1							
B25	136		136	151	1	Schaible	I
J/24	170		170	185	2	Cliborne Fourquarean	I
J/22	177		177	192	1	Schaible	I
S-2 6.7	208		208	223	1	Theis	I
C & C 25 OB	218		218	233	1	Evans	I
FLEET 2							
Harbor 20**	220		220	235	6	Toone Tunnell Arnold Hemler Miekina Maloney Lingner	II
Alerion Express 20*	220		220	235	2	Whitt Runyan	II
FLEET 3							
Hunter 23 WK	243		243	258	1	Gobble	III
Hunter 23 WK	243	C	246	261	1	Grogan	III
Hunter 23.5	243		243	258	1	Perdue	III
Ericson 23 CB	241	C	244	259	1	Schraw	III
O'Day 25 CB	238		238	253	2	Perdue	III
Pearson 26	213	C	216	231	1	Hull	III
FLEET 4							
Beneteau 29	165	C	168	183	1	DeMestro	IV
S-2 9.2A	183	C, D	189	204	1	Oginz	IV
S-2 27 IB	188	C,D	194	194	1	Johnson	IV
Beneteau 285 WK	193	C,D	199	214	1	Gearhart	IV

BYRA PHRF MODIFIERS

CB - Centerboard							
FK - Fin Keel	A. LP Genoa					Greater than 155%: Minus 5 seconds.	
OB - Outboard engine	B. Working Jib					100% or less: plus 5 seconds	
ODR - One Design Rig	C. Headsail and Main Roller Furling					Plus 3 seconds each	
SD - Shoal Draft	D. Propeller					Solid Blade, i.e. Non-folding, + 3 sec	
SK - Swing Keel	E. Shoal Draft					If not defined in PHRF tables: + 6 sec	
TM - Tall Mast	F. ODR (One design racer) as listed, no modifiers allowed.						
WK - Wing Keel							

* Provisional, subject to PHRF performance updates

** Indicates a fleet change from original placement. **Must request fleet change request annually.**

"Inland Average" BYRA handicaps are developed using the average of PHRF Inland Lake Fleets including the Great Lakes AND the Chesapeake. The method of calculation includes "A Category" (first time ratings) and "B Category" (up to 1 season of experience). All "C" Category also included.

A grid table with 12 columns and 30 rows. The table is mostly empty, but the 9th column is highlighted with a thick vertical line.

BYRA Handicaps Updated 1/1/2015 Inland Lakes AND Chesapeake								
Fleet: Blackwater Yacht Racing Association (BYRA or Blackwater)								Update 2015
Data taken from the US Sailing PHRF 2014 Book (Average of Inland Lakes Fleets)								
Boat	2014 Sec/ Mi with Chesap.	2015 Sec/Mi with Chesap.	Modifiers	BYRA Spin Rating	BYRA Non-Spin Rating	# of Boats	Owners	Fleet
FLEET 1								
VX1 Provisional	107	107		107	122	1	Gietl	1
J/24	170	170		170	185	6	Cliborne Phillip Sampson Fourquarean Maloney Hardy	I
Kirby 25	173	173		173	188	1	Shaffer	I
J/22	177	177		177	192	1	Schioble	1
Harbor 20**	220	220		220	235	1	Breckenridge	1
FLEET 2								
S-2 6.7	208	208		208	223	1	Theis	II
Pearson 26	212	212	C	215	230	1	Hull	II
San Juan 24	218	218		218	233	2	Firing, Shelton	II
C & C 25 OB	218	218		218	233	1	Evans	II
Harbor 20*	220	220		220	235	2	Lassiter, Hemler	II
Catalina 25 TMTK	221	221		221	236	1	Tunnell	II
Alerion Express 20*	223	223		223	238	1	Whitt	II
CAL 25	224	224		224	239	1	Witten	II
FLEET 3								
Hunter 23 WK	242	242		242	257	1	Miekina	III
Hunter 23WK	242	242	C	245	260	1	Grogan	III
Hunter 23.5	239	240		240	255	1	Perdue	III
Ericson 23 CB	240	240		240	255	2	Schraw	III
Ericson 23 CB	240	240	C	243	258	2	Short	III
San Juan 21	251	251		251	266	1	Gillespie	III
Cal 21	262	262		262	277	1	Bouvier	III
Catalina 22 SK	271	271		271	286	2	Walter, Nash	III
FLEET 4								
Beneteau 29	165	165	C	168	183	1	DeMestro	IV
S-2 9.2A	182	183	C, D	189	204	1	Oginz	IV
S-2 27 IB		188	C, D	194	209	1	Johnson	IV
Catalina 30 FK	186	186		186	201	1	Forrester	IV
Beneteau 285 WK	189	188	C,D	194	209	2	Short, Gearhart	IV
Hunter 356 SD	139	139	C,C,D	148	163	1	Gillespie	IV
Catalina 25 TMTK	221	221		221	236	1	Tunnell	IV
BYRA PHRF MODIFIERS								
CB - Centerboard								
FK - Fin Keel	A. LP Genoa			Greater than 155%: Minus 5 seconds.				
OB - Outboard engine	B. Working Jib			100% or less: plus 5 seconds				
ODR - One Design Rig	C. Headsail and Main Roller Furling			Plus 3 seconds each				
SD - Shoal Draft	D. Propeller			Solid Blade, I.e. Non-folding, + 3 sec				
SK - Swing Keel	E. Shoal Draft			If not defined in PHRF tables: + 6 sec				
TM - Tall Mast	F. ODR (One design racer) as listed, no modifiers allowed.							
WK - Wing Keel								
* Provisional, subject to PHRF performance updates								
** Indicates a fleet change from original placement. Must request fleet change request annually.								
"Inland Average" BYRA handicaps are developed using the average of PHRF Inland Lake Fleets including the Great Lakes AND the Chesapeake. The method of calculation excludes "A Category" (first time ratings) and "B Category" (up to 1 season of experience) if there are no racers reported. All "C" Category Included.								

BYRA Handicaps Updated 1/1/2016 Inland Lakes AND Chesapeake

Fleet: Blackwater Yacht Racing Association (BYRA or Blackwater)

Update 2016

Data taken from the US Sailing PHRF 2014 Book (Average of Inland Lakes Fleets)

Boat	2015 Sec/ Mi with Chesap.	2016 Sec/Mi with Chesap.	Modifiers	BYRA Spin Rating	BYRA Non-Spin Rating	# of Boats	Owners	Fleet
FLEET 1								
VX1 Provisional	107	107		107	122	1	Gietl	I
Colgate 26	164	164		164	179	1	Haddon	I
J/24	170	170		170	185	6	Cliborne Phillip Sampson Fourqurean Maloney Hardy	I
J/22	177	177		177	192	1	Schiable	I
FLEET 2								
S-2 6.7	208	208		208	223	1	Theis	II
Pearson 26	212	212	C	215	230	1	Hull	II
San Juan 24	218	218		218	233	2	Firing, Shelton	II
C & C 25 OB	218	218		218	233	1	Evans	II
Harbor 20**	220	220	BYRA PHRF	220	235	2	Breckenridge, Hemler, Miekina	II
Alerion Express 20*	223	223		223	238	1	Whitt	II
CAL 25	224	224		224	239	1	Witten	II
FLEET 3								
Hunter 23 WK	242	242		242	257	1	Gobble	III
Hunter 23.5	240	240		240	255	1	Perdue	III
Ericson 23 CB	240	240		240	255	2	Schraw	III
Ericson 23 CB	240	240	C	243	258	2	Short	III
San Juan 21	251	251		251	266	1	Gillespie	III
Catalina 22 SK	271	271		271	286	2	Walter, Nash	III
FLEET 4								
Beneteau 29	165	165	C	168	183	1	DeMestro	IV
S-2 9.2A	183	183	C, D	189	204	1	Oginz	IV
Catalina 30 FK	186	186		186	201	1	Forrester	IV
S-2 27 IB	188	188	C,D	188	194	1	Johnson	IV
Beneteau 285 WK	188	188	C,D	194	209	2	Short, Gearhart	IV
Catalina 25 TMFK	221	221	C	224	239	1	Tunnell	IV
BYRA PHRF MODIFIERS								
CB - Centerboard				Greater than 155%: Minus 5 seconds.				
FK - Fin Keel	A. LP Genoa			100% or less: plus 5 seconds				
OB - Outboard engine	B. Working Jib			Plus 3 seconds each				
ODR - One Design Rig	C. Headsail and Main Roller Furling			Solid Blade, i.e. Non-folding, + 3 sec				
SD - Shoal Draft	D. Propeller			If not defined in PHRF tables: + 6 sec				
SK - Swing Keel	E. Shoal Draft							
TM - Tall Mast	F. ODR (One design racer) as listed, no modifiers allowed.							
WK - Wing Keel								
* Provisional, subject to PHRF performance updates								
** Indicates a fleet change from original placement. <i>Must request fleet change request annually.</i>								
"Inland Average" BYRA handicaps are developed using the average of PHRF Inland Lake Fleets including the Great Lakes AND the Chesapeake. The method of calculation excludes "A Category" (first time ratings) and "B Category" (up to 1 season of experience) if there are no racers reported. All "C" Category Included.								

BYRA Handicaps Updated 12/1/2016 All Inland Lakes										
Fleet: Blackwater Yacht Racing Association (BYRA or Blackwater)										
Data taken from the US Sailing PHRF 2016 Book (Average of Inland Lakes Fleets)										
Boat	2015 Sec/Mi with Chesap.	2015 Sec/Mi with Chesap. & all ABC	2016 Sec/Mi with all ABC	Modifiers	BYRA Spin Rating	BYRA Non-Spin Rating	# of Boats	Owners	Fleet	
FLEET 1										
VX1 Provisional	107	107	103		103	118	1	Gietl	I	
Colgate 26	164	165	164		165	180	1	Haddon	I	
J/24	170	170	170		170	185	6	Cliborne Phillip Sampson Fourquarean Maloney Hardy	I	
J/22	177	177	177		177	192	1	Schiabile	I	
FLEET 2										
S-2 6.7	208	208	208		208	223	1	Theis	II	
Pearson 26	212	213	213	C	216	231	1	Hull	II	
San Juan 24	218	218	218		218	233	1	Firing	II	
C & C 25 OB	218	218	218		218	233	1	Evans	II	
Harbor 20**	220	220	220		220	235	3	Miekina, Hemler, Toone	II	
Alerion Express 20*	223	223	218		218	233	1	Whitt	II	
CAL 25	224	224	224		224	239	1	Witten	II	
FLEET 3										
Hunter 23 WK	242	242	243		243	258	1	Gobble	III	
Hunter 23.5	240	244	243		243	258	1	Perdue	III	
Ericson 23 CB	240	240	241		241	256	1	Schraw	III	
Ericson 23 CB	240	241	241	C	244	259	1	Short	III	
O'Day 25 CB OB			238		238			Perdue	III	
San Juan 21	251	251	251		251	266	1	Gillespie	III	
Catalina 22 SK	271	270	270		270	285	2	Walter, Nash	III	
Catalina 25 TMFK	221	221	221	C	224	239	1	Tunnell	III	
FLEET 4										
Beneteau 29	165	165	165	C	168	183	1	DeMestro	IV	
S-2 9.2A	183	183	183	C, D	189	204	1	Oginz	IV	
Catalina 30 FK	186	189	190		190	205	1	Forrester	IV	
S-2 27 IB	188	188	188	C,D	194	209	1	Johnson	IV	
Beneteau 285 WK	188	193	193	C,D	199	214	1	Gearhart	IV	
Hunter 356			139	C,C,D	148	163	1	Gillespie	IV	
O'Day 35			150	C,D	156	171	1	Phillip	IV	
BYRA PHRF MODIFIERS										
CB - Centerboard										
FK - Fin Keel	A. LP Genoa								Greater than 155%: Minus 5 seconds.	
OB - Outboard engine	B. Working Jib								100% or less: plus 5 seconds	
ODR - One Design Rig	C. Headsail and Main Roller Furling								Plus 3 seconds each	
SD - Shoal Draft	D. Propeller								Solid Blade, i.e. Non-folding, + 3 sec	
SK - Swing Keel	E. Shoal Draft								If not defined in PHRF tables: + 6 sec	
TM - Tall Mast	F. ODR (One design racer) as listed, no modifiers allowed.									
WK - Wing Keel										
* Provisional, subject to PHRF performance updates										
** Indicates a fleet change from original placement. Must request fleet change request annually.										
"Inland Average" BYRA handicaps are developed using the average of PHRF Inland Lake Fleets including the Great Lakes AND the Chesapeake. The method of calculation excludes "A Category" (first time ratings) and "B Category" (up to 1 season of experience) if there are no racers reported. All "C" Category Included.										

1. Current BYRA Handicaps are based on all Freshwater clubs than have 1 or more boats sailing with a "B" rating, and all "C" ratings.
2. All Freshwater handicaps are based on all Freshwater clubs without regard for "A,B, or C" ratings
3. All Fresh & Saltwater handicaps are based on all Fresh/Salt clubs without regard for "A,B, or C" ratings

Boat	1. Current BYRA Handicap	# of ca	All Clubs in 2014		3. All Fresh & Salt Water Mean	# of ca	Change Effect vs		Increase in Clubs Reporting	
			2. All Freshwater Clubs	# of ca			Current Vs All Fresh Water	Current Vs All Mean	Current vs. All Fresh	Current vs. All
Alerion Express 20 ODR	223	1	223	1	223	3	0	0	0	2
Beneteau 285	191	9	190	11	188	26	-1	-3	2	17
Beneteau 285 WK	188	5	193	9	190	19	5	2	4	14
Beneteau 29	165	4	165	7	166	17	0	1	3	13
C & C 25 IB	224	3	226	5	224	11	2	0	2	8
C & C 25 OB	218	14	218	14	219	32	0	1	0	18
Cal 21	262	2	264	4	263	10	2	1	2	8
Cal 25 OB	224	16	224	19	224	37	0	0	3	21
Catalina 22 SK	271	29	270	31	270	49	-1	-1	2	20
Catalina 25 FK TM	221	21	221	23	221	37	0	0	2	16
Catalina 25 SK	229	13	229	19	229	35	0	0	6	22
Catalina 27 TB OB	198	13	198	17	198	28	0	0	4	15
Catalina 30	186	20	189	28	188	52	3	2	8	32
Colgate 26	164	5	165	10	164	24	1	0	5	19
Columbia 29	225	1	225	1	218	2	0	-7	0	1
Erickson 23 CB	240	2	241	3	237	6	1	-3	1	4
Erickson 23 FK	na	-	228	4	228	15	na	na	na	na
Harbor 20	220	1	220	1	220	8	0	0	0	7
Hunter 23 WK	242	6	242	11	238	23	0	-4	5	17
Hunter 23.5	240	3	244	8	242	11	4	2	5	8
J22	177	20	177	24	178	49	0	1	4	29
J24	170	23	170	26	170	54	0	0	3	31
Kirby 25	173	10	173	11	174	27	0	1	1	17
Pearson 26	212	17	213	19	214	39	1	2	2	22
Pearson 303	183	3	184	5	186	17	1	3	2	14
S-2 27 IB	188	5	188	5	189	10	0	1	0	5
S-2 6.7	208	6	208	12	207	23	0	-1	6	17
S-2 9.2	183	6	183	7	183	19	0	0	1	13
San Juan 21	251	7	251	10	253	25	0	2	3	18
San Juan 24	218	17	218	20	219	38	0	1	3	21
VX 1	107	1	107	1	104	4	0	-3	0	3

During BYRA's 2015 Annual Meeting the membership voted to "look into" modifying the process for determining handicaps for SML sailing.

The current method averages the scores from all Freshwater sailing clubs that have at least one boat sailing with a "B" rating and all "C" ratings regardless of whether or not any boats are actively sailing with the "C" handicap rating. No "A" ratings are used by BYRA.

"A" ratings are the initial handicap assigned when a boat joins a fleet. (In most cases "A" ratings are very similar to "B" and "C" ratings.)
 "B" ratings are for boats with up to one year of experience. (In most cases "B" ratings are very similar to "A" and "C" ratings.)
 "C" ratings are for boats with more than one year of experience.

Handicaps are supposed to be reported annually to U.S. Sailing Assoc., but the dates in the book suggest that the vast majority of handicaps do not update annually and many "A" and "B" ratings are never updated to "C" status.

In the adjoining table current handicaps are shown in the first column along with the number of sailing clubs that are included in the calculation. The yellow columns reflect the handicaps averaged from all Freshwater clubs including all "A,B, & C" ratings. The green columns reflect the averages from all Freshwater and all Saltwater clubs including all "A,B, & C" ratings.

The vast majority of BYRA ratings change very little with the addition of all freshwater "A,B,C" ratings and/or all Fresh and Saltwater clubs. In both cases, the addition of more clubs increases the size of the underlying database and help reduce sample variation.

Boats with small reporting bases show the most change "current vs revised".

BOAT	Current BYRA Rating	# Clu bs	All Fresh Water	# Clu bs	Change	
Alerion Express 20 ODR	223	1	223	1	0	Provisional
Beneteau 285	191	9	190	11	-1	
Beneteau 285 WK	188	5	193	9	5	
Beneteau 29	165	4	165	7	0	
C & C 25 IB	224	3	226	5	2	
C & C 25 OB	218	14	218	14	0	
Cal 21	262	2	264	4	2	
Cal 25-1 OB	224	16	224	19	0	
Catalina 22 SK	271	29	270	31	-1	
Catalina 25 FK TM	221	21	221	23	0	
Catalina 25 SK	229	13	229	19	0	
Catalina 27 TM OB	198	13	198	17	0	
Catalina 30	186	20	189	28	3	
Colgate 26	164	5	165	10	1	
Columbia 29	225	1	225	1	0	
Erickson 23-2 CB	240	2	241	3	1	
Harbor 20	220	1	220	1	0	Provisional
Hunter 23 WK	242	6	242	11	0	
Hunter 23.5	240	3	244	8	4	
J22	177	20	177	24	0	
J24	170	23	170	26	0	
Kirby 25	173	10	173	11	0	
Pearson 26	212	17	213	19	1	
Pearson 303	183	3	184	5	1	
S-2 6.7	208	6	208	12	0	
S-2 27 IB	188	5	188	5	0	
S-2 9.2 A	183	6	183	7	0	
San Juan 21	251	7	251	10	0	
San Juan 24	218	17	218	20	0	
VX One	107	1	107	1	0	Provisional

2013 PHRF Book Summary																		
	# of Clubs	Current wo/Chesapeake	# of Clubs	With Chesapeake	Change PHRF		# Clubs Reporting	Min	Max	Range	Avg	Median	# Boats Racing?				orig Order	Fleet Order
FLEET I																		0.9
VX 1		107*		107*			4	99	108	9	104	104	4				25	1
J24	22	170	23	170	-		54	162	186	24	170						16	2
Kirby 25	9	172	10	173	1		28	162	187	25	174	174	86				17	3
J22	19	177	20	177	-		49	159	195	36	177						15	4
FLEET II																		4.1
S2 6.7	4	206	5	208	2		24	195	216	21	207	207	19				21	5
Harbor 20		208*		208*			8	204	231	27	218	222	16				12	6
Alerion Express 20		213*		213*			4	192	249	57	220	221	3				1	7
Pearson 26	17	212	18	212	-		40	207	229	22	214	213	117				18	8
C & C 25	13	216	14	218	2		30	207	231	24	222	219	65				4	9
San Juan 24	14	218	15	218	-		39	216	231	15	219	216	79				23	10
Catalina 25 TMFK	20	221	21	221	-		36	204	231	27	222	222	63				8	11
Cal 25-1 OB	15	223	16	224	1		38	219	243	24	224	222	106				6	12
Santana 20	16	223	17	223	-		40	213	241	28	224	222	97				24	13
FLEET III																		13.1
Hunter 23 WK	5	238	6	242	4		26	225	258	33	238	237	26				13	14
Hunter 23.5	2	239	2	239	-		11	231	249	18	243	245	13				14	15
Erickson 23	1	240	2	240	-		6	222	243	21	237	240	5				11	16
Cal 21	2	262	2	262	-		11	222	276	54	259	262	7				5	17
Catalina 22 SK	28	271	29	271	-		48	243	279	36	270	270	179				7	18
FLEET IV																		18.1
Beneteau 29	3	164	4	165	1		16	156	174	18	166	165	12				3	19
S2 9.2A	4	182	5	182	-		20	174	201	27	183	183	17				22	20
Catalina 30 FK	18	186	19	186	-		52	164	230	66	188	186	204				10	21
Beneteau 285 WK	4	189	5	189	-		26	180	213	33	190	189	28				2	22
Not Currently Racing																		22.1
Catalina 27 TM OB	12	198	13	199	1		29	192	204	12	197	197	22				9	23
Pearson 27-2	2	203	3	205	2		15	188	229	41	207	207	9				19	24
Pearson 303	2	180	3	183	3		20	171	198	27	186	186	20				20	25
* BYRA Provisional Scores																		

1. Current BYRA Handicaps are based on all Freshwater clubs than have 1 or more boats sailing with a "B" rating
2. All Freshwater handicaps are based on all Freshwater clubs without regard for "A,B, or C" ratings
3. The mean is the average of all freshwater and saltwater ratings in the 2014 PHRF Handicap Book.
4. The median is the midpoint in the ratings; half are higher and half are lower. Measure minimizes the effect of
5. The mode is the number that comes up most frequently for each boat.

All Clubs in 2014 PHRF Fleet Handicaps

Boat	1. Current BYRA Handicap	# of ca	2. All Fresh- water Clubs	# of ca	3. Mean	4. Median	5. Mode	# of ca
Alerion Express 20 ODR	223	1	223	1	223	228	na	3
Beneteau 285	191	9	190	11	188	186	186	26
Beneteau 285 WK	188	5	193	9	190	189	186	19
Beneteau 29	165	4	165	7	166	165	165	17
C & C 25 IB	224	3	226	5	224	222	222	11
C & C 25 OB	218	14	218	14	219	219	222	32
Cal 21	262	2	264	4	263	263	264	10
Cal 25 OB	224	16	224	19	224	222	222	37
Catalina 22 SK	271	29	270	31	270	270	270	49
Catalina 25 FK TM	221	21	221	23	221	222	222	37
Catalina 25 SK	229	13	229	19	229	228	228	35
Catalina 27 TB OB	198	13	198	17	198	197	195	28
Catalina 30	186	20	189	28	188	186	186	52
Colgate 26	164	5	165	10	164	163	162	24
Columbia 29	225	1	225	1	218	na	na	2
Erickson 23 CB	240	2	241	3	237	240	240	6
Erickson 23 FK	na	-	228	4	228	227	228	15
Harbor 20	220	1	220	1	220	222	222	8
Hunter 23 WK	242	6	242	11	238	237	240	23
Hunter 23.5	240	3	244	8	242	245	246	11
J22	177	20	177	24	178	180	180	49
J24	170	23	170	26	170	171	171	54
Kirby 25	173	10	173	11	174	174	171	27
Pearson 26	212	17	213	19	214	213	213	39
Pearson 303	183	3	184	5	186	186	186	17
S-2 27 IB	188	5	188	5	189	186	186	10
S-2 6.7	208	6	208	12	207	207	207	23
S-2 9.2	183	6	183	7	183	183	183	19
San Juan 21	251	7	251	10	253	252	252	25
San Juan 24	218	17	218	20	219	216	216	38
VX 1	107	1	107	1	104	105	105	4

Change Effect on Current Handicaps

Current Vs All Fresh- Water	Current Vs All Mean	Current Vs All Median	Current Vs All Mode
0	0	5	na
-1	-3	-5	-5
5	2	1	-2
0	1	0	0
2	0	-2	-2
0	1	1	4
2	1	1	2
0	0	-2	-2
-1	-1	-1	-1
0	0	1	1
0	0	-1	-1
0	0	-1	-3
3	2	0	0
1	0	-1	-2
0	-7	na	na
1	-3	0	0
na	na	na	na
0	0	2	2
0	-4	-5	-2
4	2	5	6
0	1	3	3
0	0	1	1
0	1	1	-2
1	2	1	1
1	3	3	3
0	1	-2	-2
0	-1	-1	-1
0	0	0	0
0	2	1	1
0	1	-2	-2
0	-3	-2	-2

1. Current BYRA Handicaps are based on all Freshwater clubs than have 1 or more boats sailing with a "B" rating and all "C" ratings									
2. All Freshwater handicaps are based on all Freshwater clubs without regard for "A,B, or C" ratings									
							Change		Increase
Boat	1. Current BYRA Handicap	# of cases	2. All Fresh- water Clubs	# of cases			Current Vs All Fresh- Water		IN Number of Clubs Counted
Alerion Express 20 ODR	223	1	223	1			0		0
Beneteau 285	191	9	190	11			-1		2
Beneteau 285 WK	188	5	193	9			5		4
Beneteau 29	165	4	165	7			0		3
C & C 25 IB	224	3	226	5			2		2
C & C 25 OB	218	14	218	14			0		0
Cal 21	262	2	264	4			2		2
Cal 25 OB	224	16	224	19			0		3
Catalina 22 SK	271	29	270	31			-1		2
Catalina 25 FK TM	221	21	221	23			0		2
Catalina 25 SK	229	13	229	19			0		6
Catalina 27 TB OB	198	13	198	17			0		4
Catalina 30	186	20	189	28			3		8
Colgate 26	164	5	165	10			1		5
Columbia 29	225	1	225	1			0		0
Erickson 23 CB	240	2	241	3			1		1
Erickson 23 FK	na	-	228	4			na		0
Harbor 20	220	1	220	1			0		0
Hunter 23 WK	242	6	242	11			0		5
Hunter 23.5	240	3	244	8			4		5
J22	177	20	177	24			0		4
J24	170	23	170	26			0		3
Kirby 25	173	10	173	11			0		1
Pearson 26	212	17	213	19			1		2
Pearson 303	183	3	184	5			1		2
S-2 27 IB	188	5	188	5			0		0
S-2 6.7	208	6	208	12			0		6
S-2 9.2	183	6	183	7			0		1
San Juan 21	251	7	251	10			0		3
San Juan 24	218	17	218	20			0		3

VX 1	107	1		107	1		0		0						
								Total Increase	79						

Alerion Express 20 ODR							
There are no qualified clubs in the book for 2013 or 2014 so the 223 shown is BYRA Provisional which keys off of th							
Qualifies BYRA							
A rating							
B rating no boats							
	2013	2014	2014 all	2016 Inland	2016 All	2017 Inland	2017 All
COUNT W/CHES	1	1		2	4	2	4
PHRF W/CHES	223	223		196.5	217.5	193.5	216.0
	2013	2014		2014		2017	2017
Location	PHRF	PHRF		PHRF		PHRF	PHRF
ALAMO							
ALUM CREEK							
ATWOOD							
AUGUSTA							
AUSTIN							
BEAR LAKE UTAH							
BLACKWATER							
CARLYLE							
CHESAPEAKE	223	223		192		192	192
CHICAGO MORF							
CLEAR LAKE							
DALLAS							
DETROIT							
DULUTH							
FT WORTH							
GEECHEE							
GREAT SALT LAKE UT							
HARBOR ISLAND							
LAKE CHAMPLAIN							
LAKE CITY							
LAKE ERIE							
LAKE GEORGE							
LAKE HURON							
LAKE KEOWEE							
LAKE LANIER							
LAKE MICHIGAN							
LAKE MURRAY							

LAKE NORMAN			201		195	195
LAKE ONTARIO						
LAKE TAHOE						
OKLAHOMA CITY						
ONEIDA LAKE						
PERCY PRIEST						
PICKWICK						
RUSH CREEK						
SAIL COLORADO						
SOUTH BAY CR						
SOUTH TEXAS						
ST LAWRENCE VAL						
TAWAS BAY						
TEXOMA						
THUNDER BAY						
UTAH						
WESTERN CAROLINA						
Mid Atlantic						228
New England						249

4
220.0
2018
PHRF
192

195
228
249

B25						
Qualifies BYRA						
A rating						
B rating no boats						
COUNT W/CHES	0	0	0	0	0	7
PHRF W/CHES						136
	2013	2014	2014	2016	2017	218
Location	PHRF	PHRF	All Fresh	All Fresh	All Fresh	All Fresh
ALAMO						
ALUM CREEK						
ATWOOD						
AUGUSTA						
AUSTIN						
BEAR LAKE UTAH						
BLACKWATER						
CARLYLE						134
CHESAPEAKE						138
CHICAGO MORF						
CLEAR LAKE						
DALLAS						
DETROIT						
DULUTH						135
FT WORTH						
GEECHEE						
GREAT SALT LAKE UT						
HARBOR ISLAND						
LAKE CHAMPLAIN						
LAKE CITY						
LAKE ERIE						
LAKE GEORGE						
LAKE HURON						
LAKE KEOWEE						
LAKE LANIER						
LAKE MICHIGAN						135
LAKE MURRAY						

LAKE NORMAN						
LAKE ONTARIO						135
LAKE TAHOE						138
MANITOBA						
OKLAHOMA CITY						
ONEIDA LAKE						
PERCY PRIEST						
PICKWICK						
RUSH CREEK						
SAIL COLORADO						
SOUTH BAY CR						
SOUTH TEXAS						135
ST LAWRENCE VAL						
TAWAS BAY						
TEXOMA						
THUNDER BAY						
UTAH						
WESTERN CAROLINA						

Beneteau 285						
Qualifies BYRA						
A rating						
B rating no boats						
COUNT W/CHES	9	9	11	10	11	11
PHRF W/CHES	192	191	190	189	189	189
	2013	2014	2014	2016	2017	2018
Location	PHRF	PHRF	All Fresh	All Fresh	All Fresh	All Fresh
ALAMO						
ALUM CREEK						
ATWOOD						
AUGUSTA						
AUSTIN	186	186	186	185	186	186
BEAR LAKE UTAH						
BLACKWATER						
CARLYLE	195	191	191	191	191	191
CHESAPEAKE				183	183	183
CHICAGO MORF						
CLEAR LAKE						
DALLAS						
DETROIT						
DULUTH						
FT WORTH						
GEECHEE						
GREAT SALT LAKE UT						
HARBOR ISLAND	189	189	189	189	189	189
LAKE CHAMPLAIN						
LAKE CITY						
LAKE ERIE			186	186	186	186
LAKE GEORGE						
LAKE HURON						
LAKE KEOWEE						
LAKE LANIER	192	192	192	192	192	192
LAKE MICHIGAN	186	186	186	186	186	186
LAKE MURRAY						

LAKE NORMAN	183	183	183			
LAKE ONTARIO	207	207	207	207	207	207
LAKE TAHOE						
MANITOBA					189	189
OKLAHOMA CITY						
ONEIDA LAKE						
PERCY PRIEST			186	186	186	186
PICKWICK	186	186	186	186	186	186
RUSH CREEK						
SAIL COLORADO	200	200	200			
SOUTH BAY CR						
SOUTH TEXAS						
ST LAWRENCE VAL						
TAWAS BAY						
TEXOMA						
THUNDER BAY						
UTAH						
WESTERN CAROLINA						

Beneteau 285 WK						
Qualifies BYRA						
A rating						
B rating no boats						
COUNT W/CHES	5	5	9	9	9	9
PHRF W/CHES	189	188	193	193	193	193
	2013	2014	2014	2016	2017	2018
Location	PHRF	PHRF	All Fresh	All Fresh	All Fresh	All Fresh
ALAMO						
ALUM CREEK						
ATWOOD						
AUGUSTA						
AUSTIN						
BEAR LAKE UTAH						
BLACKWATER						
CARLYLE						
CHESAPEAKE	189	189	189	189	189	189
CHICAGO MORF						
CLEAR LAKE						
DALLAS						
DETROIT						
DULUTH			198	198	198	198
FT WORTH						
GEECHEE						
GREAT SALT LAKE UT						
HARBOR ISLAND						
LAKE CHAMPLAIN						
LAKE CITY						
LAKE ERIE			192	192	192	192
LAKE GEORGE						
LAKE HURON						
LAKE KEOWEE						
LAKE LANIER						
LAKE MICHIGAN						
LAKE MURRAY						

LAKE NORMAN						
LAKE ONTARIO			213	213	213	213
LAKE TAHOE						
OKLAHOMA CITY		186	186	186	186	186
ONEIDA LAKE						
PERCY PRIEST	189	189	189	189	189	189
PICKWICK						
RUSH CREEK						
SAIL COLORADO						
SOUTH BAY CR	186	186	186	186	186	186
SOUTH TEXAS						
ST LAWRENCE VAL			198	198	198	198
TAWAS BAY						
TEXOMA						
THUNDER BAY	190					
UTAH						
WESTERN CAROLINA	190	190	190	190	190	190

Beneteau 29						
Qualifies BYRA						
A rating						
B rating no boats						
COUNT W/CHES	4	4	7	7	7	7
PHRF W/CHES	165	165	165	165	165	165
	2013	2014	2014	2016	2017	2018
Location	PHRF	PHRF	All Fresh	All Fresh	All Fresh	All Fresh
ALAMO						
ALUM CREEK						
ATWOOD						
AUGUSTA						
AUSTIN						
BEAR LAKE UTAH						
BLACKWATER						
CARLYLE						
CHESAPEAKE	168	168	168	168	168	168
CHICAGO MORF						
CLEAR LAKE						
DALLAS						
DETROIT						
DULUTH						
FT WORTH						
GEECHEE						
GREAT SALT LAKE UT						
HARBOR ISLAND						
LAKE CHAMPLAIN						
LAKE CITY						
LAKE ERIE						
LAKE GEORGE						
LAKE HURON						
LAKE KEOWEE						
LAKE LANIER	165	165	165	165	165	165
LAKE MICHIGAN	162	162	162	162	162	162
LAKE MURRAY						

LAKE NORMAN						
LAKE ONTARIO			165	165	165	165
LAKE TAHOE						
OKLAHOMA CITY						
ONEIDA LAKE						
PERCY PRIEST						
PICKWICK			162	162	162	162
RUSH CREEK						
SAIL COLORADO						
SOUTH BAY CR						
SOUTH TEXAS						
ST LAWRENCE VAL	165	165	165	165	165	165
TAWAS BAY						
TEXOMA			165	165	165	165
THUNDER BAY						
UTAH						
WESTERN CAROLINA						

C & C 25 IB					
Qualifies BYRA					
A rating					
B rating no boats					
					22018
COUNT W/CHES	3	3	5		5
PHRF W/CHES	224	224	226		226
	2013	2014	2014		2018
Location	PHRF	PHRF	All Fresh		All Fresh
ALAMO					
ALUM CREEK					
ATWOOD					
AUGUSTA					
AUSTIN					
BEAR LAKE UTAH					
BLACKWATER					
CARLYLE					
CHESAPEAKE			237		237
CHICAGO MORF					
CLEAR LAKE					
DALLAS					
DETROIT					
DULUTH	225	225	225		225
FT WORTH					
GEECHEE					
GREAT SALT LAKE UT					
HARBOR ISLAND					
LAKE CHAMPLAIN					
LAKE CITY					
LAKE ERIE	228	228	228		228
LAKE GEORGE					
LAKE HURON					
LAKE KEOWEE					
LAKE LANIER					
LAKE MICHIGAN			222		222
LAKE MURRAY					

LAKE NORMAN						
LAKE ONTARIO	219	219	219			219
LAKE TAHOE						
OKLAHOMA CITY						
ONEIDA LAKE						
PERCY PRIEST						
PICKWICK						
RUSH CREEK						
SAIL COLORADO						
SOUTH BAY CR						
SOUTH TEXAS						
ST LAWRENCE VAL						
TAWAS BAY						
TEXOMA						
THUNDER BAY						
UTAH						
WESTERN CAROLINA						

C & C 25 OB						
Qualifies BYRA						
A rating						
B rating no boats						
COUNT W/CHES	14	14	14	14	15	15
PHRF W/CHES	218	218	218	218	217	217
	2013	2014	2014	2016	2017	2018
Location	PHRF	PHRF	All Fresh	All Fresh	All Fresh	All Fresh
ALAMO						
ALUM CREEK	207	207	207	207	207	207
ATWOOD	213	213	213	213	213	213
AUGUSTA	222					
AUSTIN						
BEAR LAKE UTAH						
BLACKWATER						
CARLYLE						
CHESAPEAKE	231	231	231	231	231	231
CHICAGO MORF						
CLEAR LAKE						
DALLAS						
DETROIT						
DULUTH		222	222	222	222	222
FT WORTH						
GEECHEE						
GREAT SALT LAKE UT						
HARBOR ISLAND	216	216	216	216	216	216
LAKE CHAMPLAIN						
LAKE CITY						
LAKE ERIE	222	222	222	222	222	222
LAKE GEORGE						
LAKE HURON	219	219	219	219	219	219
LAKE KEOWEE						
LAKE LANIER	222	222	222	222	222	222
LAKE MICHIGAN	219	219	219	219	219	219
LAKE MURRAY						

LAKE NORMAN						
LAKE ONTARIO	213	213	213	213	213	213
LAKE TAHOE	210	210	210	210	210	210
MANITOBA					213	213
OKLAHOMA CITY						
ONEIDA LAKE	222	222	222	222	222	222
PERCY PRIEST						
PICKWICK						
RUSH CREEK						
SAIL COLORADO						
SOUTH BAY CR	207	207	207	207	207	207
SOUTH TEXAS						
ST LAWRENCE VAL	222	222	222	222	222	222
TAWAS BAY						
TEXOMA						
THUNDER BAY						
UTAH						
WESTERN CAROLINA						

Cal 21					
Qualifies BYRA					
A rating					
B rating no boats					
COUNT W/CHES	2	2	4		
PHRF W/CHES	262	262	264		
	2013	2014	2014		2018
Location	PHRF	PHRF	All Fresh		
ALAMO					
ALUM CREEK					
ATWOOD					
AUGUSTA					
AUSTIN					
BEAR LAKE UTAH					
BLACKWATER					
CARLYLE					
CHESAPEAKE			264		
CHICAGO MORF					
CLEAR LAKE					
DALLAS					
DETROIT					
DULUTH					
FT WORTH					
GEECHEE					
GREAT SALT LAKE UT					
HARBOR ISLAND					
LAKE CHAMPLAIN					
LAKE CITY					
LAKE ERIE					
LAKE GEORGE	265	265	265		
LAKE HURON					
LAKE KEOWEE					
LAKE LANIER	258	258	258		
LAKE MICHIGAN					
LAKE MURRAY					

LAKE NORMAN						
LAKE ONTARIO			267			
LAKE TAHOE						
OKLAHOMA CITY						
ONEIDA LAKE						
PERCY PRIEST						
PICKWICK						
RUSH CREEK						
SAIL COLORADO						
SOUTH BAY CR						
SOUTH TEXAS						
ST LAWRENCE VAL						
TAWAS BAY						
TEXOMA						
THUNDER BAY						
UTAH						
WESTERN CAROLINA						

Cal 25-1 OB						
Qualifies BYRA						
A rating						
B rating no boats						
COUNT W/CHES	16	16	19	18	19	19
PHRF W/CHES	224	224	224	224	224	224
	2013	2014	2014	2016	2017	2018
Location	PHRF	PHRF	All Fresh	All Fresh	All Fresh	All Fresh
ALAMO	225	225	225	225	225	225
ALUM CREEK	222	222	222	222	222	222
ATWOOD	222	222	222	222	222	222
AUGUSTA						
AUSTIN	219	219	219	219	219	219
BEAR LAKE UTAH	225	225	225	225	225	225
BLACKWATER						
CARLYLE						
CHESAPEAKE	231	231	231	231	231	231
CHICAGO MORF						
CLEAR LAKE						
DALLAS	222	222	222	222	222	222
DETROIT	222	222	222	222	225	225
DULUTH	222	222	222	222	222	222
FT WORTH	228	228	228	228	228	228
GEECHEE						
GREAT SALT LAKE UT						
HARBOR ISLAND						
LAKE CHAMPLAIN						
LAKE CITY						
LAKE ERIE	225	225	225	225	225	225
LAKE GEORGE						
LAKE HURON	222	222	222	222	222	222
LAKE KEOWEE						
LAKE LANIER						
LAKE MICHIGAN						
LAKE MURRAY			222	222	222	222

LAKE NORMAN						
LAKE ONTARIO			228	228	228	228
LAKE TAHOE						
MANITOBA					219	219
OKLAHOMA CITY						
ONEIDA LAKE						
PERCY PRIEST						
PICKWICK						
RUSH CREEK	222	222	222	222	222	222
SAIL COLORADO	224	224	224			
SOUTH BAY CR						
SOUTH TEXAS						
ST LAWRENCE VAL	225	225	225	225	225	225
TAWAS BAY						
TEXOMA						
THUNDER BAY			222	222	222	222
UTAH	222	222	222	222	222	222
WESTERN CAROLINA						

Catalina 22 SK						
Qualifies BYRA						
A rating						
B rating no boats						
COUNT W/CHES	29	29	31	31	31	31
PHRF W/CHES	271	271	270	270	269	269
	2013	2014	2014	2016	2017	2018
Location	PHRF	PHRF	All Fresh	All Fresh	All Fresh	All Fresh
ALAMO	270	270	270	270	270	270
ALUM CREEK			243	243	243	243
ATWOOD	270	270	270	270	270	270
AUGUSTA	270	270	270	270	270	270
AUSTIN	270	270	270	270	270	270
BEAR LAKE UTAH	273	273	273	273	273	273
BLACKWATER						
CARLYLE	271	271	271	273	273	273
CHESAPEAKE	276	276	276	276	276	276
CHICAGO MORF						
CLEAR LAKE						
DALLAS	270	270	270	270	270	270
DETROIT						
DULUTH						
FT WORTH	264	264	264	264	264	264
GEECHEE	270	270	270	270	270	270
GREAT SALT LAKE UT	273	273	273	273	273	273
HARBOR ISLAND	270	270	270	270	270	270
LAKE CHAMPLAIN						
LAKE CITY						
LAKE ERIE						
LAKE GEORGE	270	270	270	270	270	270
LAKE HURON						
LAKE KEOWEE	270	270	270	270	270	270
LAKE LANIER	270	270	270	270	270	270
LAKE MICHIGAN	276	276	276	276	276	276
LAKE MURRAY						

LAKE NORMAN	279	279	279	279	279	279
LAKE ONTARIO	276	276	276	276	252	252
LAKE TAHOE	270	270	270	270	270	270
OKLAHOMA CITY	270	270	270	270	270	270
ONEIDA LAKE	270	270	270	270	270	270
PERCY PRIEST	270	270	270	270	270	270
PICKWICK			264	264	264	264
RUSH CREEK	270	270	270	270	270	270
SAIL COLORADO	270	270	270	270	270	270
SOUTH BAY CR	261	261	261	261	261	261
SOUTH TEXAS						
ST LAWRENCE VAL	273	273	273	273	273	273
TAWAS BAY						
TEXOMA	270	270	270	270	270	270
THUNDER BAY						
UTAH	273	273	273	273	273	273
WESTERN CAROLINA	271	270	270	270	270	270

Catalina 25 FK TM						
Qualifies BYRA						
A rating						
B rating no boats						
COUNT W/CHES	21	21	23	25		
PHRF W/CHES	221	221	221	221.08		
	2013	2014	2014	2014		2018
Location	PHRF	PHRF	All Fresh	All Fresh		
ALAMO	223	223	223	223		
ALUM CREEK	228	228	228	228		
ATWOOD	222	222	222	222		
AUGUSTA	222	222	222	222		
AUSTIN	222	222	222	222		
BEAR LAKE UTAH	219	219	219	219		
CAYUGA				219		
BLACKWATER						
CARLYLE						
CHESAPEAKE	225	225	225	225		
CHICAGO MORF						
CLEAR LAKE						
DALLAS						
DETROIT	222	222	222	222		
DULUTH						
FT WORTH	204	204	204	204		
GEECHEE						
GREAT SALT LAKE UT	219	219	219	219		
HARBOR ISLAND						
LAKE CHAMPLAIN						
LAKE CITY						
LAKE ERIE			222	222		
LAKE GEORGE						
LAKE HURON						
LAKE KEOWEE	222	222	222	222		
LAKE LANIER	222	222	222	222		
LAKE MICHIGAN	225	225	225	225		

LAKE MURRAY	222	222	222	222		
LAKE NORMAN	225	225	225	225		
LAKE ONTARIO			219	219		
LAKE TAHOE						
NORTHERN ROCKIES				222		
OKLAHOMA CITY						
ONEIDA LAKE	222	222	222	222		
PERCY PRIEST						
PICKWICK						
RUSH CREEK	216	216	216	216		
SAIL COLORADO	223	223	223	223		
SOUTH BAY CR						
SOUTH TEXAS						
ST LAWRENCE VAL						
TAWAS BAY						
TEXOMA	222	222	222	222		
THUNDER BAY						
UTAH	219	219	219	219		
WESTERN CAROLINA	221	221	221	221		

Catalina 25 SK					
Qualifies BYRA					
A rating					
B rating no boats					
COUNT W/CHES	0	13	19		
PHRF W/CHES		229	229		
	2013	2014	2014		2018
Location	PHRF	PHRF	All Fresh		
ALAMO		228	228		
ALUM CREEK		228	228		
ATWOOD		231	231		
AUGUSTA			228		
AUSTIN					
BEAR LAKE UTAH					
BLACKWATER					
CARLYLE			236		
CHESAPEAKE		240	240		
CHICAGO MORF					
CLEAR LAKE					
DALLAS		228	228		
DETROIT					
DULUTH					
FT WORTH					
GEECHEE					
GREAT SALT LAKE UT					
HARBOR ISLAND			228		
LAKE CHAMPLAIN					
LAKE CITY					
LAKE ERIE		231	231		
LAKE GEORGE					
LAKE HURON					
LAKE KEOWEE		231	231		
LAKE LANIER			228		
LAKE MICHIGAN		225	225		
LAKE MURRAY					

LAKE NORMAN						
LAKE ONTARIO			228			
LAKE TAHOE		228	228			
OKLAHOMA CITY		225	225			
ONEIDA LAKE		225	225			
PERCY PRIEST			228			
PICKWICK						
RUSH CREEK						
SAIL COLORADO		229	229			
SOUTH BAY CR						
SOUTH TEXAS						
ST LAWRENCE VAL						
TAWAS BAY						
TEXOMA		228	228			
THUNDER BAY						
UTAH						
WESTERN CAROLINA						

Catalina 27 TM OB					
Qualifies BYRA					
A rating					
B rating no boats					
COUNT W/CHES	12	13	17		
PHRF W/CHES	198	198	198		
	2013	2014	2014		2018
Location	PHRF	PHRF	All Fresh		
ALAMO	198	198	198		
ALUM CREEK					
ATWOOD					
AUGUSTA					
AUSTIN	195	195	195		
BEAR LAKE UTAH					
BLACKWATER					
CARLYLE	203	203	203		
CHESAPEAKE	204	204	204		
CHICAGO MORF					
CLEAR LAKE					
DALLAS		195	195		
DETROIT					
DULUTH					
FT WORTH					
GEECHIE					
GREAT SALT LAKE UT					
HARBOR ISLAND					
LAKE CHAMPLAIN					
LAKE CITY					
LAKE ERIE			198		
LAKE GEORGE					
LAKE HURON					
LAKE KEOWEE					
LAKE LANIER	198	198	198		
LAKE MICHIGAN			204		
LAKE MURRAY	192	192	192		

Catalina 30						
Qualifies BYRA						
A rating						
B rating no boats						
COUNT W/CHES	19	20	28	28	28	
PHRF W/CHES	186	186	189	189	190	
	2013	2014	2014	2015	2016	2018
Location	PHRF	PHRF	All Fresh	Test	All Fresh	
ALAMO	184	184	184	184	184	
ALUM CREEK			230	230	230	
ATWOOD	195	195	195	195	195	
AUGUSTA	186	186	186	186	186	
AUSTIN	189	189	189	189	189	
BEAR LAKE UTAH	186	186	186	186	186	
BLACKWATER						
CARLYLE			195	195	194	
CHESAPEAKE	192	192	192	192	192	
CHICAGO MORF						
CLEAR LAKE						
DALLAS	188	188	188	188	188	
DETROIT						
DULUTH						
FT WORTH						
GEECHEE	180	180	180	180	180	
GREAT SALT LAKE UT	192	192	192	192	192	
HARBOR ISLAND			201	201	201	
LAKE CHAMPLAIN	183	183	183	183	183	
LAKE CITY						
LAKE ERIE	186	186	186	186	186	
LAKE GEORGE						
LAKE HURON	183	183	183	183	183	
LAKE KEOWEE			215	215	215	
LAKE LANIER			189	189	189	
LAKE MICHIGAN	183	183	183	183	183	
LAKE MURRAY						

LAKE NORMAN					189	
LAKE ONTARIO	177	177	177	177	177	
LAKE TAHOE						
OKLAHOMA CITY	183	183	183	183	183	
ONEIDA LAKE						
PERCY PRIEST			183	183	183	
PICKWICK						
RUSH CREEK						
SAIL COLORADO			180	180		
SOUTH BAY CR						
SOUTH TEXAS	186	186	186	186	186	
ST LAWRENCE VAL	189	189	189	189	189	
TAWAS BAY	189	189	189	189	189	
TEXOMA	180	180	180	180	180	
THUNDER BAY						
UTAH			192	192	192	
WESTERN CAROLINA		188	188	188	188	

Colgate 26						
Qualifies BYRA						
A rating						
B rating no boats						
COUNT W/CHES	0	5	10	9	9	
PHRF W/CHES		164	165	164	164	
	2013	2014	2014	2016	2017	2018
Location	PHRF	PHRF	All Fresh	All Fresh	All Fresh	
ALAMO			163	163	163	
ALUM CREEK		165	165	165	165	
ATWOOD			171	171	171	
AUGUSTA						
AUSTIN						
BEAR LAKE UTAH						
BLACKWATER						
CARLYLE						
CHESAPEAKE		156	156	156	156	
CHICAGO MORF			165	165	165	
CLEAR LAKE						
DALLAS						
DETROIT						
DULUTH						
FT WORTH						
GEECHEE						
GREAT SALT LAKE UT						
HARBOR ISLAND						
LAKE CHAMPLAIN			162	162	162	
LAKE CITY						
LAKE ERIE		162	162	162	162	
LAKE GEORGE						
LAKE HURON						
LAKE KEOWEE						
LAKE LANIER						
LAKE MICHIGAN			168	168	168	
LAKE MURRAY						

Columbia 29						
Qualifies BYRA						
A rating						
B rating no boats						
					Inland	All Fleets
COUNT W/CHES	0	1	1	2	2	8
PHRF W/CHES		225	225	222	222	221
	2013	2014	2014	2016	2017	2018
Location	PHRF	PHRF	All Fresh	All Fresh	All Fresh	All Fleets
ALAMO						
ALUM CREEK						
ATWOOD						
AUGUSTA						
AUSTIN						
BEAR LAKE UTAH						
BLACKWATER						
CARLYLE						
CHESAPEAKE		225	225	225	225	225
CHICAGO MORF						
CLEAR LAKE						
DALLAS						
DETROIT						
DULUTH						
FT WORTH						
GEECHEE						
GREAT SALT LAKE UT						
HARBOR ISLAND						
LAKE CHAMPLAIN						
LAKE CITY						
LAKE ERIE						
LAKE GEORGE						
LAKE HURON						
LAKE KEOWEE						
LAKE LANIER						
LAKE MICHIGAN				219	219	219
LAKE MURRAY						

LAKE NORMAN						
LAKE ONTARIO						
LAKE TAHOE						
OKLAHOMA CITY						
ONEIDA LAKE						
PERCY PRIEST						
PICKWICK						
RUSH CREEK						
SAIL COLORADO						
SOUTH BAY CR						
SOUTH TEXAS						
ST LAWRENCE VAL						
TAWAS BAY						
TEXOMA						
THUNDER BAY						
UTAH						
WESTERN CAROLINA						
<u>Coastal</u>						
MID ATLANTIC						210
FLORIDA SUNCOAST						222
NEW ENGLAND						222
NO CALIFORNIA						228
SE FLORIDA						228
SO CAL						216

Columbia 8.7						
Qualifies BYRA						
A rating						
B rating no boats						
COUNT W/CHES	9					
PHRF W/CHES	217					
	2017					2018
Location	PHRF					
ALAMO						
ALUM CREEK						
ATWOOD						
AUGUSTA						
AUSTIN	210					
BEAR LAKE UTAH						
BLACKWATER						
CARLYLE						
CHESAPEAKE	222					
CHICAGO MORF	222					
CLEAR LAKE						
DALLAS						
DETROIT						
DULUTH						
FT WORTH						
GEECHEE						
GREAT SALT LAKE UT						
HARBOR ISLAND						
LAKE CHAMPLAIN						
LAKE CITY						
LAKE ERIE	222					
LAKE GEORGE						
LAKE HURON						
LAKE KEOWEE						
LAKE LANIER						
LAKE MICHIGAN	222					
LAKE MURRAY	237					

LAKE NORMAN						
LAKE ONTARIO	204					
LAKE TAHOE						
OKLAHOMA CITY						
ONEIDA LAKE						
PERCY PRIEST						
PICKWICK						
RUSH CREEK						
SAIL COLORADO						
SOUTH BAY CR						
SOUTH TEXAS						
ST LAWRENCE VAL	204					
TAWAS BAY						
TEXOMA						
THUNDER BAY						
UTAH						
WESTERN CAROLIN	211					
<u>Coastal</u>						
MID ATLANTIC						
FLORIDA SUNCOAST						
NEW ENGLAND						
NO CALIFORNIA						
SE FLORIDA						
SO CAL						

Erickson 23-2 CB						
Qualifies BYRA						
A rating						
B rating no boats						
COUNT W/CHES	2	2	3	3	3	3
PHRF W/CHES	240	240	241	241	241	241
	2013	2014	2014	2016	2017	2018
Location	PHRF	PHRF	All Fresh	All Fresh	All Fresh	All Fresh
ALAMO						
ALUM CREEK						
ATWOOD	240	240	240	240	240	240
AUGUSTA						
AUSTIN						
BEAR LAKE UTAH						
BLACKWATER						
CARLYLE						
CHESAPEAKE	240	240	240	240	240	240
CHICAGO MORF						
CLEAR LAKE						
DALLAS						
DETROIT						
DULUTH						
FT WORTH						
GEECHEE						
GREAT SALT LAKE UT						
HARBOR ISLAND						
LAKE CHAMPLAIN						
LAKE CITY						
LAKE ERIE			243	243	243	243
LAKE GEORGE						
LAKE HURON						
LAKE KEOWEE						
LAKE LANIER						
LAKE MICHIGAN						
LAKE MURRAY						

LAKE NORMAN						
LAKE ONTARIO						
LAKE TAHOE						
OKLAHOMA CITY						
ONEIDA LAKE						
PERCY PRIEST						
PICKWICK						
RUSH CREEK						
SAIL COLORADO						
SOUTH BAY CR						
SOUTH TEXAS						
ST LAWRENCE VAL						
TAWAS BAY						
TEXOMA						
THUNDER BAY						
UTAH						
WESTERN CAROLINA						

Erickson 23-2					
Qualifies BYRA					
A rating					
B rating no boats					
COUNT W/CHES	2	0	4		
PHRF W/CHES	240		228		
	2013	2014	2014		2018
Location	PHRF	PHRF	All Fresh		
ALAMO					
ALUM CREEK					
ATWOOD	240				
AUGUSTA					
AUSTIN					
BEAR LAKE UTAH					
BLACKWATER					
CARLYLE					
CHESAPEAKE	240		228		
CHICAGO MORF					
CLEAR LAKE					
DALLAS					
DETROIT					
DULUTH					
FT WORTH					
GEECHEE					
GREAT SALT LAKE UT					
HARBOR ISLAND					
LAKE CHAMPLAIN					
LAKE CITY					
LAKE ERIE					
LAKE GEORGE					
LAKE HURON					
LAKE KEOWEE					
LAKE LANIER					
LAKE MICHIGAN			234		
LAKE MURRAY					

LAKE NORMAN				
LAKE ONTARIO				
LAKE TAHOE				
OKLAHOMA CITY		225		
ONEIDA LAKE				
PERCY PRIEST				
PICKWICK				
RUSH CREEK		225		
SAIL COLORADO				
SOUTH BAY CR				
SOUTH TEXAS				
ST LAWRENCE VAL				
TAWAS BAY				
TEXOMA				
THUNDER BAY				
UTAH				
WESTERN CAROLINA				

Harbor 20						
There are only 2 freshwater clubs in the 2017 PHRF book and so we have reverted to average all						
Qualifies BYRA						
A rating						
B rating no boats						
Average All						
	2013	2014	2014	2014	2017	2018
COUNT W/CHES	1	1	1	2	2	9
PHRF W/CHES	220	220	220	220	222	220
	2013	2014	2014	2016	2017	2018
Location	PHRF	PHRF	All Fresh	All Fresh	All Fresh	All Fleets
ALAMO						
ALUM CREEK						
ATWOOD						
AUGUSTA						
AUSTIN						
BEAR LAKE UTAH						
BLACKWATER						
CARLYLE						
CHESAPEAKE	225	225	225	225	225	225
CHICAGO MORF						
CLEAR LAKE						
DALLAS						
DETROIT						
DULUTH						
FT WORTH						
GEECHIE						
GREAT SALT LAKE UT						
HARBOR ISLAND						
LAKE CHAMPLAIN						
LAKE CITY						
LAKE ERIE				219	219	219
LAKE GEORGE						
LAKE HURON						
LAKE KEOWEE						
LAKE LANIER						
LAKE MICHIGAN						
LAKE MURRAY						

LAKE NORMAN					
LAKE ONTARIO					
LAKE TAHOE					
OKLAHOMA CITY					
ONEIDA LAKE					
PERCY PRIEST					
PICKWICK					
RUSH CREEK					
SAIL COLORADO					
SOUTH BAY CR					
SOUTH TEXAS					
ST LAWRENCE VAL					
TAWAS BAY					
TEXOMA					
THUNDER BAY					
UTAH					
WESTERN CAROLINA					
COASTAL					
GULF PHRF					222
NARRAGANSET BAY					225
NO CALIFORNIA					210
NORTH CAROLINA					222
SO CAL					204
WEST FLORIDA					222
YRALIS PHRF					231

Hunter 23 WK						
Qualifies BYRA						
A rating						
B rating no boats						
COUNT W/CHES	6	6	11	12	12	12
PHRF W/CHES	242	242	242	243	243	243
	2013	2014	2014	2016	2017	2018
Location	PHRF	PHRF	All Fresh	All Fresh	All Fresh	All Fresh
ALAMO						
ALUM CREEK						
ATWOOD	258	258	258	258	258	258
AUGUSTA	231	231	231	231	231	231
AUSTIN						
BEAR LAKE UTAH						
BLACKWATER						
CARLYLE	236	240	240	240	240	240
CHESAPEAKE	258	258	258	258	258	258
CHICAGO MORF						
CLEAR LAKE						
DALLAS						
DETROIT						
DULUTH						
FT WORTH						
GEECHEE						
GREAT SALT LAKE UT						
HARBOR ISLAND						
LAKE CHAMPLAIN						
LAKE CITY						
LAKE ERIE			240	240	240	240
LAKE GEORGE						
LAKE HURON						
LAKE KEOWEE	231	231	231	231	231	231
LAKE LANIER			254	254	254	254
LAKE MICHIGAN						
LAKE MURRAY			240	240	240	240

Hunter 23.5						
Qualifies BYRA						
A rating						
B rating no boats						
COUNT W/CHES	2	3	8	8	8	8
PHRF W/CHES	239	240	244	243	243	243
	2013	2014	2014	2016	2017	2018
Location	PHRF	PHRF	All Fresh	All Fresh	All Fresh	All Fresh
ALAMO						
ALUM CREEK	231	231	231	231	231	231
ATWOOD						
AUGUSTA						
AUSTIN				240	240	240
BEAR LAKE UTAH						
BLACKWATER						
CARLYLE			245	245	245	245
CHESAPEAKE						
CHICAGO MORF						
CLEAR LAKE						
DALLAS						
DETROIT						
DULUTH						
FT WORTH						
GEECHEE						
GREAT SALT LAKE UT						
HARBOR ISLAND						
LAKE CHAMPLAIN						
LAKE CITY						
LAKE ERIE			249	249	249	249
LAKE GEORGE						
LAKE HURON						
LAKE KEOWEE			246	246	246	246
LAKE LANIER			246	246	246	246
LAKE MICHIGAN						
LAKE MURRAY	246	246	246	246	246	246

Hunter 356 SD						
Qualifies BYRA						
A rating						
B rating no boats						
COUNT W/CHES	0	0	4	4	4	4
PHRF W/CHES			139	139	139	139
	2013	2014	2014	2016	2017	2018
Location	PHRF	PHRF	All Fresh	All Fresh	All Fresh	All Fresh
ALAMO						
ALUM CREEK						
ATWOOD						
AUGUSTA						
AUSTIN						
BEAR LAKE UTAH						
BLACKWATER						
CARLYLE			143	142	142	142
CHESAPEAKE			132	132	132	132
CHICAGO MORF						
CLEAR LAKE						
DALLAS						
DETROIT			138	138	138	138
DULUTH						
FT WORTH						
GEECHEE						
GREAT SALT LAKE UT						
HARBOR ISLAND						
LAKE CHAMPLAIN						
LAKE CITY						
LAKE ERIE						
LAKE GEORGE						
LAKE HURON						
LAKE KEOWEE						
LAKE LANIER						
LAKE MICHIGAN						
LAKE MURRAY						

LAKE NORMAN					
LAKE ONTARIO		144	144	144	144
LAKE TAHOE					
OKLAHOMA CITY					
ONEIDA LAKE					
PERCY PRIEST					
PICKWICK					
RUSH CREEK					
SAIL COLORADO					
SOUTH BAY CR					
SOUTH TEXAS					
ST LAWRENCE VAL					
TAWAS BAY					
TEXOMA					
THUNDER BAY					
UTAH					
WESTERN CAROLINA					

J-22						
Qualifies BYRA						
A rating						
B rating no boats						
COUNT W/CHES	20	20	24	23	23	24
PHRF W/CHES	177	177	177	177	177	177
	2013	2014	2014	2016	2017	2018
Location	PHRF	PHRF	All Fresh	All Fresh	All Fresh	All Fresh
ALAMO	176	176	176	176	176	176
ALUM CREEK						
ATWOOD	180	180	180	180	180	180
AUGUSTA	180	180	180	180	180	180
AUSTIN						
BEAR LAKE UTAH						
BLACKWATER						
CARLYLE						
CHESAPEAKE	174	174	174	174	174	174
CHICAGO MORF						
CLEAR LAKE	180	180	180	180	180	180
DALLAS	180	180	180	180	180	180
DETROIT			180	180	180	180
DULUTH	180	180	180	180	180	180
FT WORTH	177	177	177	177	177	177
GEECHEE			180	180	180	180
GREAT SALT LAKE UT						
HARBOR ISLAND						
LAKE CHAMPLAIN						
LAKE CITY						
LAKE ERIE						171
LAKE GEORGE						
LAKE HURON	180	180	180	180	180	180
LAKE KEOWEE	178	178	178	178	178	178
LAKE LANIER	171	171	171	171	171	171
LAKE MICHIGAN	177	177	177	177	177	177
LAKE MURRAY						

J-24						
Qualifies BYRA						
A rating						
B rating no boats						
COUNT W/CHES	23	23	26	26	26	26
PHRF W/CHES	170	170	170	170	170	170
	2013	2014	2014	2016	2017	2018
Location	PHRF	PHRF	All Fresh	All Fresh	All Fresh	All Fresh
ALAMO	170	170	170	170	170	170
ALUM CREEK						
ATWOOD	168	168	168	168	168	168
AUGUSTA						
AUSTIN						
BEAR LAKE UTAH						
BLACKWATER						
CARLYLE	174	173	173	172	172	172
CHESAPEAKE	171	171	171	171	171	171
CHICAGO MORF	171	171	171	171	171	171
CLEAR LAKE	171	171	171	171	171	171
DALLAS	168	168	168	168	168	168
DETROIT						
DULUTH	168	168	168	168	168	168
FT WORTH	165	165	165	165	165	165
GEECHEE	170	170	170	170	170	170
GREAT SALT LAKE UT			174	174	174	174
HARBOR ISLAND						
LAKE CHAMPLAIN						
LAKE CITY	170	170	170	170	170	170
LAKE ERIE						
LAKE GEORGE	171	171	171	171	171	171
LAKE HURON	174	174	174	174	174	174
LAKE KEOWEE						
LAKE LANIER						
LAKE MICHIGAN	168	168	168	168	168	168
LAKE MURRAY						

LAKE NORMAN	174	174	174	174	174	174
LAKE ONTARIO	168	168	168	168	168	168
LAKE TAHOE	171	171	171	171	171	171
OKLAHOMA CITY	168	168	168	168	168	168
ONEIDA LAKE	168	168	168	168	168	168
PERCY PRIEST						
PICKWICK	171	171	171	171	171	171
RUSH CREEK						
SAIL COLORADO	172	172	172	172	172	172
SOUTH BAY CR	171	171	171	171	171	171
SOUTH TEXAS						
ST LAWRENCE VAL						
TAWAS BAY			171	171	171	171
TEXOMA	171	171	171	171	171	171
THUNDER BAY						
UTAH			171	171	171	171
WESTERN CAROLINA						

Use RAINBOW 24 to calculate score					
Qualifies BYRA					
A rating					
B rating no boats					
	2013	2014			2014 Book
Count	1	1		Count	0
PHRF Mean	258	258		Mean	
	258			Median	
				Mode	
				MAX	0
				MIN	0
	2013	2014	2014	Range(0
Location	PHRF	PHRF	All Fresh		
ALAMO					
ALUM CREEK					
ATWOOD					
AUGUSTA					
AUSTIN					
BEAR LAKE UTAH					
BLACKWATER					
CARLYLE					
CHESAPEAKE	258	258	258		
CHICAGO MORF					
CLEAR LAKE					
DALLAS					
DETROIT					
DULUTH					
FT WORTH					
GEECHEE					
GREAT SALT LAKE UT					
HARBOR ISLAND					
LAKE CHAMPLAIN					
LAKE CITY					
LAKE ERIE					
LAKE GEORGE					
LAKE HURON					
LAKE KEOWEE					
LAKE LANIER					
LAKE MICHIGAN					
LAKE MURRAY					

Kirby 25						
Qualifies BYRA						
A rating						
B rating no boats						
COUNT W/CHES	10	10	11			
PHRF W/CHES	173	173	173			
	2013	2014	2014			2018
Location	PHRF	PHRF	All Fresh			
ALAMO						
ALUM CREEK	174	174	174			
ATWOOD						
AUGUSTA						
AUSTIN						
BEAR LAKE UTAH						
BLACKWATER						
CARLYLE						
CHESAPEAKE	180	180	180			
CHICAGO MORF						
CLEAR LAKE						
DALLAS						
DETROIT						
DULUTH						
FT WORTH						
GEECHEE						
GREAT SALT LAKE UT						
HARBOR ISLAND	171	171	171			
LAKE CHAMPLAIN						
LAKE CITY						
LAKE ERIE	177	177	177			
LAKE GEORGE						
LAKE HURON	174	174	174			
LAKE KEOWEE						
LAKE LANIER						
LAKE MICHIGAN			174			
LAKE MURRAY						

LAKE NORMAN						
LAKE ONTARIO	165	165	165			
LAKE TAHOE						
OKLAHOMA CITY						
ONEIDA LAKE						
PERCY PRIEST	171	171	171			
PICKWICK						
RUSH CREEK						
SAIL COLORADO						
SOUTH BAY CR	174	174	174			
SOUTH TEXAS						
ST LAWRENCE VAL	171	171	171			
TAWAS BAY						
TEXOMA						
THUNDER BAY	174	174	174			
UTAH						
WESTERN CAROLINA						

O'DaY 25 cb ob						
Qualifies BYRA						
A rating						
B rating no boats						
COUNT W/CHES			19	17	17	17
PHRF W/CHES			238	238	238	238
			2014	2016	2017	2018
Location			All Fresh	All Fresh	All Fresh	All Fresh
ALAMO						
ALUM CREEK						
ATWOOD			240	240	240	240
AUGUSTA						
AUSTIN						
BEAR LAKE UTAH						
BLACKWATER						
CARLYLE			245	244	244	244
CHESAPEAKE			246	246	246	246
CHICAGO MORF						
CLEAR LAKE						
DALLAS						
DETROIT			240	240	240	240
DULUTH						
FT WORTH						
GEECHEE			243	243	243	243
GREAT SALT LAKE UT						
HARBOR ISLAND						
LAKE CHAMPLAIN						
LAKE CITY						
LAKE ERIE			237	237	237	237
LAKE GEORGE			234	234	234	234
LAKE HURON						
LAKE KEOWEE			243	243	243	243
LAKE LANIER			222	222	222	222
LAKE MICHIGAN			234	234	234	234
LAKE MURRAY						

LAKE NORMAN		243			
LAKE ONTARIO		237	237	237	237
LAKE TAHOE					
OKLAHOMA CITY		234	234	234	234
ONEIDA LAKE					
PERCY PRIEST		237	237	237	237
PICKWICK		234	234	234	234
RUSH CREEK					
SAIL COLORADO		237			
SOUTH BAY CR		240	240	240	240
SOUTH TEXAS					
ST LAWRENCE VAL		240	240	240	240
TAWAS BAY					
TEXOMA					
THUNDER BAY					
UTAH		240	240	240	240
WESTERN CAROLINA					

O'DaY 35						
Qualifies BYRA						
A rating						
B rating no boats						
COUNT W/CHES		0	7	7	7	
PHRF W/CHES			150	150	150	
		2014	2016	2017	2018	
Location		All Fresh	All Fresh	All Fresh	All Fresh	
ALAMO						
ALUM CREEK						
ATWOOD						
AUGUSTA						
AUSTIN						
BEAR LAKE UTAH			147	147	147	
BLACKWATER						
CARLYLE						
CHESAPEAKE			150	150	150	
CHICAGO MORF						
CLEAR LAKE						
DALLAS						
DETROIT						
DULUTH						
FT WORTH						
GEECHEE						
GREAT SALT LAKE UT						
HARBOR ISLAND						
LAKE CHAMPLAIN			147	147	147	
LAKE CITY						
LAKE ERIE			153	153	153	
LAKE GEORGE						
LAKE HURON			141	141	141	
LAKE KEOWEE						
LAKE LANIER						
LAKE MICHIGAN			144	144	144	
LAKE MURRAY						

Pearson 26						
Qualifies BYRA						
A rating						
B rating no boats						
COUNT W/CHES	18	17	19	19	19	19
PHRF W/CHES	212	212	213	213	213	213
	2013	2014	2014	2016	2017	2018
Location	PHRF	PHRF	All Fresh	All Fresh	All Fresh	All Fresh
ALAMO						
ALUM CREEK						
ATWOOD						
AUGUSTA						
AUSTIN	210	210	210	210	210	210
BEAR LAKE UTAH						
BLACKWATER						
CARLYLE			219	219	219	219
CHESAPEAKE	213	213	213	213	213	213
CHICAGO MORF						
CLEAR LAKE						
DALLAS	210	210	210	210	210	210
DETROIT	216	216	216	216	216	216
DULUTH						
FT WORTH						
GEECHEE	213	213	213	213	213	213
GREAT SALT LAKE UT						
HARBOR ISLAND	213	213	213	213	213	213
LAKE CHAMPLAIN	213	213	213	213	213	213
LAKE CITY						
LAKE ERIE	213	213	213	213	213	213
LAKE GEORGE	210	210	210	210	210	210
LAKE HURON	213	213	213	213	213	213
LAKE KEOWEE						
LAKE LANIER	210		210	213	213	213
LAKE MICHIGAN	210	210	210	210	210	210
LAKE MURRAY	213	213	213	213	213	213

LAKE NORMAN						
LAKE ONTARIO	213	216	216	216	216	216
LAKE TAHOE						
OKLAHOMA CITY						
ONEIDA LAKE	213	213	213	213	213	213
PERCY PRIEST						
PICKWICK						
RUSH CREEK	210	210	210	210	210	210
SAIL COLORADO						
SOUTH BAY CR	207	207	207	207	207	207
SOUTH TEXAS						
ST LAWRENCE VAL	216	216	216	216	216	216
TAWAS BAY						
TEXOMA						
THUNDER BAY						
UTAH						
WESTERN CAROLINA						

Average All	207	9				
	2013	2014				
COUNT W/CHES	3	0				
PHRF W/CHES	205					
	210					
	2013	2014				
Location	PHRF	PHRF				
ALAMO						
ALUM CREEK						
ATWOOD						
AUGUSTA						
AUSTIN						
BEAR LAKE UTAH						
BLACKWATER						
CARLYLE						
CHESAPEAKE	210					
CHICAGO MORF						
CLEAR LAKE						
DALLAS						
DETROIT						
DULUTH						
FT WORTH						
GEECHEE						
GREAT SALT LAKE UT						
HARBOR ISLAND						
LAKE CHAMPLAIN						
LAKE CITY						
LAKE ERIE						
LAKE GEORGE	219					
LAKE HURON						
LAKE KEOWEE						
LAKE LANIER						
LAKE MICHIGAN						
LAKE MURRAY						

LAKE NORMAN						
LAKE ONTARIO						
LAKE TAHOE						
OKLAHOMA CITY						
ONEIDA LAKE						
PERCY PRIEST						
PICKWICK						
RUSH CREEK						
SAIL COLORADO						
SOUTH BAY CR	186					
SOUTH TEXAS						
ST LAWRENCE VAL						
TAWAS BAY						
TEXOMA						
THUNDER BAY						
UTAH						
WESTERN CAROLINA						

Pearson 303						
Qualifies BYRA						
A rating						
B rating no boats						
COUNT W/CHES	3	3	5			
PHRF W/CHES	183	183	184			
	2013	2014	2014			2018
Location	PHRF	PHRF	All Fresh			
ALAMO						
ALUM CREEK						
ATWOOD						
AUGUSTA						
AUSTIN	186	186	186			
BEAR LAKE UTAH						
BLACKWATER						
CARLYLE						
CHESAPEAKE	189	189	189			
CHICAGO MORF						
CLEAR LAKE						
DALLAS						
DETROIT			183			
DULUTH						
FT WORTH						
GEECHEE						
GREAT SALT LAKE UT						
HARBOR ISLAND						
LAKE CHAMPLAIN						
LAKE CITY						
LAKE ERIE						
LAKE GEORGE						
LAKE HURON						
LAKE KEOWEE						
LAKE LANIER						
LAKE MICHIGAN						
LAKE MURRAY						

LAKE NORMAN					
LAKE ONTARIO			189		
LAKE TAHOE					
OKLAHOMA CITY					
ONEIDA LAKE					
PERCY PRIEST					
PICKWICK					
RUSH CREEK					
SAIL COLORADO					
SOUTH BAY CR	174	174	174		
SOUTH TEXAS					
ST LAWRENCE VAL					
TAWAS BAY					
TEXOMA					
THUNDER BAY					
UTAH					
WESTERN CAROLINA					

S-2 27 IB	<---2014 scores include 1 A rating (Alamo) and 1 non specific rating (Dal					
Qualifies BYRA						
A rating						
B rating no boats						
COUNT W/CHES	0	5	5	5	5	5
PHRF W/CHES		188	188	188	188	188
	2013	2014	2014	2016	2017	2018
Location	PHRF	PHRF	All Fresh	All Fresh	All Fresh	All Fresh
ALAMO		186	186	186	186	186
ALUM CREEK						
ATWOOD						
AUGUSTA						
AUSTIN						
BEAR LAKE UTAH						
BLACKWATER						
CARLYLE						
CHESAPEAKE						
CHICAGO MORF						
CLEAR LAKE						
DALLAS		180	180	180	180	180
DETROIT		201	201	201	201	201
DULUTH						
FT WORTH						
GEECHEE						
GREAT SALT LAKE UT						
HARBOR ISLAND						
LAKE CHAMPLAIN		186	186	186	186	186
LAKE CITY						
LAKE ERIE						
LAKE GEORGE						
LAKE HURON						
LAKE KEOWEE						
LAKE LANIER						
LAKE MICHIGAN						
LAKE MURRAY						

LAKE NORMAN					
LAKE ONTARIO					
LAKE TAHOE					
OKLAHOMA CITY					
ONEIDA LAKE					
PERCY PRIEST					
PICKWICK					
RUSH CREEK					
SAIL COLORADO					
SOUTH BAY CR					
SOUTH TEXAS					
ST LAWRENCE VAL					
TAWAS BAY					
TEXOMA					
THUNDER BAY					
UTAH					
WESTERN CAROLINA		189	189	189	189

S-2 6.7/22						
Qualifies BYRA						
A rating						
B rating no boats						
COUNT W/CHES	5	6	12	11	11	11
PHRF W/CHES	208	208	208	208	208	208
	2013	2014	2014	2016	2017	2018
Location	PHRF	PHRF	All Fresh	All Fresh	All Fresh	All Fresh
ALAMO						
ALUM CREEK			207	207	207	207
ATWOOD						
AUGUSTA						
AUSTIN						
BEAR LAKE UTAH						
BLACKWATER						
CARLYLE						
CHESAPEAKE	216	216	216	216	216	216
CHICAGO MORF						
CLEAR LAKE						
DALLAS						
DETROIT			210	210	210	210
DULUTH						
FT WORTH						
GEECHIE						
GREAT SALT LAKE UT						
HARBOR ISLAND						
LAKE CHAMPLAIN						
LAKE CITY						
LAKE ERIE						
LAKE GEORGE	207	207	207	207	207	207
LAKE HURON						
LAKE KEOWEE						
LAKE LANIER			207	207	207	207
LAKE MICHIGAN			210	210	210	210
LAKE MURRAY	204	204	204	204	204	204

LAKE NORMAN						
LAKE ONTARIO			210	210	210	210
LAKE TAHOE						
OKLAHOMA CITY	207	207	207	207	207	207
ONEIDA LAKE						
PERCY PRIEST						
PICKWICK	207	207	207	207	207	207
RUSH CREEK						
SAIL COLORADO			207			
SOUTH BAY CR						
SOUTH TEXAS						
ST LAWRENCE VAL						
TAWAS BAY						
TEXOMA						
THUNDER BAY						
UTAH						
WESTERN CAROLINA		207	207	207	207	207

S-2 9.2 A						
Qualifies BYRA						
A rating						
B rating no boats						
COUNT W/CHES	5	6	7	8	8	8
PHRF W/CHES	182	183	183	183	183	183
	2013	2014	2014	2016	2017	2018
Location	PHRF	PHRF	All Fresh	All Fresh	All Fresh	All Fresh
ALAMO						
ALUM CREEK						
ATWOOD						
AUGUSTA						
AUSTIN						
BEAR LAKE UTAH						
BLACKWATER						
CARLYLE						
CHESAPEAKE	186	186	186	186	186	186
CHICAGO MORF						
CLEAR LAKE						
DALLAS				183	183	183
DETROIT	180	180	180	180	180	180
DULUTH						
FT WORTH						
GEECHEE						
GREAT SALT LAKE UT						
HARBOR ISLAND						
LAKE CHAMPLAIN						
LAKE CITY						
LAKE ERIE	183	183	183	183	183	183
LAKE GEORGE						
LAKE HURON			183	183	183	183
LAKE KEOWEE						
LAKE LANIER						
LAKE MICHIGAN	180	180	180	180	180	180
LAKE MURRAY						

LAKE NORMAN	183	183	183	183	183	183
LAKE ONTARIO						
LAKE TAHOE						
OKLAHOMA CITY						
ONEIDA LAKE		183	183	183	183	183
PERCY PRIEST						
PICKWICK						
RUSH CREEK						
SAIL COLORADO						
SOUTH BAY CR						
SOUTH TEXAS						
ST LAWRENCE VAL						
TAWAS BAY						
TEXOMA						
THUNDER BAY						
UTAH						
WESTERN CAROLINA						

San Juan 21						
Qualifies BYRA						
A rating						
B rating no boats						
Count	7	7	10	9	9	
PHRF Average	251	251	251	251	251	
	2013	2014	2014	2016	2017	2018
Location	PHRF	PHRF	All Fresh	All Fresh	All Fresh	
ALAMO			252	252		
ALUM CREEK						
ATWOOD						
AUGUSTA			252	252	252	
AUSTIN	252	252	252	252	252	
BEAR LAKE UTAH						
BLACKWATER						
CARLYLE	250	251	251	251	251	
CHESAPEAKE	246	246	246	246	246	
CHICAGO MORF						
CLEAR LAKE						
DALLAS						
DETROIT						
DULUTH						
FT WORTH						
GEECHEE						
GREAT SALT LAKE UT						
HARBOR ISLAND						
LAKE CHAMPLAIN						
LAKE CITY						
LAKE ERIE						
LAKE GEORGE						
LAKE HURON						
LAKE KEOWEE	252	252	252	252	252	
LAKE LANIER			252	252	252	
MANITOBA					252	
LAKE MICHIGAN	252	252	252	252	252	

LAKE MURRAY						
LAKE NORMAN						
LAKE ONTARIO						
LAKE TAHOE						
OKLAHOMA CITY						
ONEIDA LAKE						
PERCY PRIEST						
PICKWICK						
RUSH CREEK	252	252	252	252	252	
SAIL COLORADO	253	253	253			
SOUTH BAY CR						
SOUTH TEXAS						
ST LAWRENCE VAL						
TAWAS BAY						
TEXOMA						
THUNDER BAY						
UTAH						
WESTERN CAROLINA						

San Juan 24						
Qualifies BYRA						
A rating						
B rating no boats						
Average All	219	79				
	2013	2014	2014	2016	2017	
COUNT W/CHES	15	17	20	19	20	
PHRF W/CHES	218	218	218	218	218	
	2013	2014	2014	2016	2017	2018
Location	PHRF	PHRF	All Fresh	All Fresh	All Fresh	
ALAMO						
ALUM CREEK						
ATWOOD						
AUGUSTA						
AUSTIN		216	216	216	216	
BEAR LAKE UTAH						
BLACKWATER						
CARLYLE						
CHESAPEAKE	225	225	225	225	225	
CHICAGO MORF						
CLEAR LAKE						
DALLAS	216	216	216	216	216	
DETROIT			225	225	225	
DULUTH	216	216	216	216	216	
FT WORTH						
GEECHEE						
GREAT SALT LAKE UT						
HARBOR ISLAND		216	216	216	216	
LAKE CHAMPLAIN						
LAKE CITY						
LAKE ERIE	225	225	225	225	225	
LAKE GEORGE						
LAKE HURON	216	216	216	216	216	
LAKE KEOWEE						
LAKE LANIER	216	216	216	216	216	
LAKE MICHIGAN	216	216	216	216	216	
LAKE MURRAY			216	216	216	

LAKE NORMAN	222	222	222		
LAKE ONTARIO	219	219	219	219	213
LAKE TAHOE	216	216	216	216	216
MANITOBA					216
NORTHERN ROCKIES				219	219
OKLAHOMA CITY	219	219	219	219	219
ONEIDA LAKE					
PERCY PRIEST	216	216	216	216	216
PICKWICK			216	216	216
RUSH CREEK	216	216	216	216	216
SAIL COLORADO	217	217	217		
SOUTH BAY CR					
SOUTH TEXAS					
ST LAWRENCE VAL					
TAWAS BAY					
TEXOMA					
THUNDER BAY					
UTAH	216	216	216	216	216
WESTERN CAROLINA					

Average All	224	97				
	2013	2014				
COUNT W/CHES	18	0				
PHRF W/CHES	223					
	222					
	2013	2014				
Location	PHRF	PHRF				
ALAMO						
ALUM CREEK						
ATWOOD						
AUGUSTA						
AUSTIN	222					
BEAR LAKE UTAH	225					
BLACKWATER	223					
CARLYLE						
CHESAPEAKE	228					
CHICAGO MORF						
CLEAR LAKE	222					
DALLAS	222					
DETROIT						
DULUTH						
FT WORTH						
GEECHEE						
GREAT SALT LAKE UT	222					
HARBOR ISLAND						
LAKE CHAMPLAIN						
LAKE CITY						
LAKE ERIE	231					
LAKE GEORGE						
LAKE HURON	222					
LAKE KEOWEE						
LAKE LANIER	222					
LAKE MICHIGAN	225					
LAKE MURRAY	222					

LAKE NORMAN						
LAKE ONTARIO						
LAKE TAHOE	222					
OKLAHOMA CITY	225					
ONEIDA LAKE						
PERCY PRIEST	222					
PICKWICK						
RUSH CREEK	222					
SAIL COLORADO	221					
SOUTH BAY CR						
SOUTH TEXAS						
ST LAWRENCE VAL						
TAWAS BAY						
TEXOMA						
THUNDER BAY						
UTAH	222					
WESTERN CAROLINA						

VX ONE ODR						
Qualifies BYRA						
A rating						
B rating no boats						
Average All	104	4	4			
INLAND LAKES AVG.				3	3	
	2013	2014	2014	2016	2017	
COUNT W/CHES	1	0	1	3	3	
PHRF W/CHES	107	107	107	103	103	
						2018
	2013	2014	2014	2016	2017	
Location	PHRF	PHRF	All Fresh	All Fresh	All Fresh	
ALAMO				102	102	
ALUM CREEK						
ATWOOD						
AUGUSTA						
AUSTIN						
BEAR LAKE UTAH						
BLACKWATER	107					
CARLYLE						
CHESAPEAKE						
CHICAGO MORF						
CLEAR LAKE						
DALLAS						
DETROIT						
DULUTH						
FT WORTH						
GEECHEE						
GREAT SALT LAKE UT						
HARBOR ISLAND						
LAKE CHAMPLAIN						
LAKE CITY						
LAKE ERIE						
LAKE GEORGE						
LAKE HURON						
LAKE KEOWEE						
LAKE LANIER						
LAKE MICHIGAN						

LAKE MURRAY				
LAKE NORMAN			102	102
LAKE ONTARIO				
LAKE TAHOE				
OKLAHOMA CITY		105	105	105
ONEIDA LAKE				
PERCY PRIEST				
PICKWICK				
RUSH CREEK				
SAIL COLORADO				
SOUTH BAY CR				
SOUTH TEXAS				
ST LAWRENCE VAL				
TAWAS BAY				
TEXOMA				
THUNDER BAY				
UTAH				
WESTERN CAROLINA				