

NCPHRF Base Rating Report

BOAT_TYPE		RATING	DATE	DW Class Rating
11 Meter	NCPHRF	66	4/9/1998	
11 Meter ODR	99%	69	4/9/1998	
1D 35	OSP 14.75' & ISP 44.78'	33	4/26/2004	
1D 48		-30	9/23/2010	
30 SQ Meter		150	3/23/1989	
Aerodyne 38		36	11/12/2002	
AERODYNE 38 CARBON		30	12/30/2002	
Aerodyne 38 SD		42	10/27/2016	
Alajueta 38		198		
ALBATROSS 31		174		
Alberg 30		222	8/11/1988	
Alberg 35		192	10/27/1988	
ALBIN BALLAD 30		183	8/12/2003	
ALBIN CUMULUS		192	5/17/2001	
ALBIN VEGA 27		240		
Alden 32		204	6/15/1995	
Alden 44		114	10/23/2014	
Alden 45		78	1/21/1999	
ALDEN MISTRAL 36		192		
Alerion Express 28		162	5/6/2006	
ALERION EXPRESS 28 ODR	90% jib	168	10/12/2006	
Alerion Express 28 SD		168	10/2/2013	
Alerion Express 33		120	6/24/2019	
Alerion Express Sport 33		117	3/27/2023	
ALLIED CHANCE 30-30		162	10/26/1994	
ALLIED PRINCESS 36		204		
Aloha 32		180		
ALOHA 34/10.4 SM		156	3/9/1989	
Amel Sharki 39		186	1/21/2010	
Amphitrite 43		153	8/28/1991	
ANACAPA 40 KTH		156	3/16/1995	
Andrews 21	includes 100% hs	141	8/25/2016	
Andrews 30		120		
Annapolis 44		144	7/18/1988	
Antrim 27 CM ODR	OSP & 116%	75	4/12/2001	555
ANTRIM 27 ODR	OSP & 116%	78	4/12/2001	
Apache 37		168	10/12/2006	

BOAT_TYPE		RATING	DATE	DW Class Rating
Aphrodite 101		141	5/21/2009	
Aquarius 21		288	1/21/2019	
Archambault 27	w/ 12.2' spl & 105% hs	78	4/23/2015	
Aries 31		258		
Aries 32		234	6/29/1989	
Atkin 38		183	4/8/1999	
Azzura 310		57	12/7/1995	
B 30	cludes square-top main & small	78	3/29/2021	
B-25		141	7/1/1999	
B-25 ODR		135	7/1/1999	
Baba 30		240		
Baba 35 SM		192	3/12/1998	
Baba 40		144	2/16/1989	
Baba 40 TM		138	6/18/1992	
Bahama 25		252		
Balboa 26 FK		222		
Balboa 26 SK		228		
BALBOA 27 8.2		222		
Baltic 35		117	11/15/1989	
Baltic 37		114	6/23/1988	
Baltic 38 DP		96	2/6/1986	
BALTIC 42 (C&C)		78		
Baltic 42 DP		72	1/10/2006	
Baltic 43		51	4/9/1998	
Baltic 43 TM		48	5/28/2015	
Baltic 48 DP		45	12/1/2011	
BALTIC 51		36	4/9/1998	
Baltic 51 CB	Full Keel	45	4/9/1998	
BALTIC 51 SM		39	4/9/1998	
Baltic 55 DP		9	8/13/1998	
Bashford/Howison-Sydney 41		18	1/12/2006	
BAVARIA 34 WK		138	1/17/2002	
Bavaria 40		105	3/23/2017	
Bavaria Vision 46		78	8/28/2014	
Bay Lady Morc		276	2/14/1998	
Bayliner 27 IB		198		
BB-10		132	1/23/1989	
BEAR	95%	252	1/19/1995	
Beneteau 11.5 ID YL		144	11/14/1996	

BOAT_TYPE		RATING	DATE	DW Class Rating
Beneteau 235		174	4/28/1989	
Beneteau 25		129	1/10/2006	
Beneteau 285		186	10/26/1993	
Beneteau 29		159	8/11/1988	
Beneteau 305		159	12/15/1988	
Beneteau 310		132	9/7/1993	
Beneteau 310 R		126	4/12/2007	
Beneteau 310 SD	4.25' draft	153	4/29/2024	
Beneteau 311		162	1/22/2024	
Beneteau 32 MH		132	8/30/1989	
Beneteau 323 DK		144	2/14/2006	
Beneteau 323 SD		150	1/22/2024	
Beneteau 32S5		138	5/12/1992	
Beneteau 331		156	4/24/2014	
Beneteau 345		129	8/30/1988	
Beneteau 351 w/furlmain		156	5/17/2001	
Beneteau 352 Oceanis		138	4/8/1999	
Beneteau 35S5		120	10/4/1988	
Beneteau 35S5 WK		132		
Beneteau 35s7 First LK		117	3/16/2006	
Beneteau 361 Oceanis		138	5/10/2005	
Beneteau 36S7 First IK	6.08 Draft	120	8/9/2005	
Beneteau 36S7 First LK	4.833 Draft	123	8/9/2005	
BENETEAU 36s7 LK	5.6 Draft STD	120	8/9/2005	
Beneteau 37		114	4/28/2009	
Beneteau 373		132	10/12/2006	
Beneteau 375		108	1/23/1991	
Beneteau 38 First IK		108		
Beneteau 38 First LK		102		
Beneteau 38 First TM IK SD		108	8/31/2002	
Beneteau 38 TM IK		102	3/1/1991	
Beneteau 38 TM LK		99	3/9/1990	
Beneteau 38S5		108	12/9/1999	
Beneteau 38S5 DK		99	12/9/1999	
Beneteau 38S5 SD		108	12/9/1999	
Beneteau 390 Oceanis		132	3/1/1991	
Beneteau 390 Oceanis WK		138	4/11/2005	
Beneteau 393 Oceanis	6.25' draft	141	8/18/2008	
Beneteau 393 Oceanis SD		147	8/19/2008	

BOAT_TYPE		RATING	DATE	DW Class Rating
Beneteau 40 CC		126	4/20/2000	
Beneteau 40 IK		99	1/18/2008	
Beneteau 40.7 First Farr		60	10/28/2019	
Beneteau 40.7 First Farr ODR		48	3/9/2004	
Beneteau 405 TM		90	6/1/1989	
Beneteau 411		105	12/9/1999	
Beneteau 415		96	1/18/1990	
Beneteau 41S5		90		
Beneteau 42 IK		90	8/14/1997	
Beneteau 42 IK SD		93	8/14/1997	
Beneteau 42 IK TM		84	8/14/1997	
Beneteau 42 IK TM SD		87	8/14/1997	
Beneteau 42 LK		87	8/14/1997	
Beneteau 42 LK TM		81	8/14/1997	
Beneteau 423		102	4/11/2005	
Beneteau 42S7		63	10/20/1999	
Beneteau 42S7 First DK SM		69	5/18/2000	
Beneteau 42S7 SM/WK/IK		72	4/20/2000	
Beneteau 43		102	2/29/2024	
Beneteau 456		51	4/9/1998	
Beneteau 45F5		66	12/1/2011	
Beneteau 45F5 TM		51	2/26/2009	
Beneteau 46		84	4/22/2010	
Beneteau 463		90	6/15/2010	
Beneteau 47.7 First Farr	w/ 7.2' keel	45	5/22/2008	
Beneteau 47.7 First Farr DK	w/ 9.2' keel	39	5/22/2008	
Beneteau 47.7 First Farr DK TM	w/ 9.2' keel	33	5/22/2008	
Beneteau 473 Oceanis		72	1/13/2004	
Beneteau 500 Oceanis		84	5/8/1997	
Beneteau 510 Oceanis		78	6/15/1995	
Beneteau 523		42	8/17/2006	
Beneteau 57 Center Cockpit		27	4/13/2006	
Beneteau Class 10		90	6/10/1997	
Beneteau Farr First 36.7		81	11/20/2008	602
Beneteau First 10R ODR		78	11/16/2006	
Beneteau First 27	Not SE Version, incl small HS	87	1/23/2023	
Beneteau First 30	862 sq ft Kite + small HS	105	1/23/2023	
Beneteau First 35		72	1/26/2012	
Beneteau First 35 CE		78	1/23/2023	

BOAT_TYPE		RATING	DATE	DW Class Rating
Beneteau First 36	Includes 105% HS	57	1/22/2024	
Beneteau First 45		21	4/24/2008	
Beneteau Oceanis 30.1		147	11/29/2021	
Beneteau Oceanis 321		162	1/10/2006	
Beneteau Oceanis 34		141	8/25/2011	
Beneteau Oceanis 34.1	Includes small HS	138	4/24/2023	
Beneteau Oceanis 34.1 SK	Swing Keel, includes small HS	135	4/24/2023	
BENETEAU OCEANIS 350		144	8/30/1989	
Beneteau Oceanis 38.1		102	3/28/2022	
Beneteau Oceanis 38.1P		93	1/14/2025	
Beneteau Oceanis 40.1	includes small HS	78	1/24/2022	
Beneteau Oceanis 41	Includes 104% hs	108	8/26/2019	
Beneteau Oceanis 41.1		96	3/27/2023	
Beneteau Oceanis 42 CC		117	3/27/2023	
Beneteau Oceanis 440		102	5/14/2002	
Beneteau Oceanis 45		54	1/16/2014	
Beneteau Oceanis 46.1	includes small headsail	51	8/27/2019	
Beneteau Oceanis 46.1 SM	includes small headsail	54	1/20/2020	
Beneteau Oceanis 49		84	10/27/2016	
Beneteau Oceanis 50	includes small HS	75		
Bermuda 30 KTCH		270	1/19/1995	
Bermuda 30 SL		264	6/15/1995	
Bianca 414		84	11/19/1998	
Big Bear		228		
Bird NCPHRF	With Spinnaker	180	4/26/2012	
Bird ODR	No NonSpin	204	4/26/2012	
Blue Jacket 40	includes 150% reacher	69	1/21/2019	
Bombay 29		252	2/15/1990	
Bounty II 40		168		
Brewer 42		132	5/28/1987	
Brighton		198	3/23/1989	
Bristol 24		258		
Bristol 27 IB		234		
Bristol 29.9 K		186	8/22/1991	
Bristol 29/30		222	5/8/1997	
Bristol 33		186		
Bristol 34		192	1/13/2004	
Bristol 35.5		144	4/19/1994	
Bristol 38.8		144		

BOAT_TYPE	RATING	DATE	DW Class Rating
Bristol 40	168	3/23/1989	
Bristol 40 Y	156		
Bristol 45.5	117	2/11/2003	
Buccaneer 220	222		
Buccaneer 250	210		
Buccaneer 255	216		
Buccaneer 28 WD	234	4/22/1989	
Buccaneer 285	256		
Buccaneer 295	174	11/23/1988	
Buccaneer 335	144	5/1/1990	
Buchan 37	150	11/2/1989	
Burns T/2	162	2/13/1989	
C&C 1/2 TON	162	6/23/1988	
C&C 110	(Standard 2004)	87	1/26/2012
C&C 115	includes hs credit	66	2/26/2018
C&C 115 ODR	Includes OSP & 110% hs	63	2/26/2018
C&C 121 DK W/5' BS		60	4/24/2008
C&C 121 No BS Stndrd Keel		63	4/13/2006
C&C 121 W/5' BS		57	2/21/2001
C&C 24	222	11/2/1988	
C&C 25 OB	216	8/29/1990	
C&C 26	210		
C&C 27-1	198		
C&C 27-1 TM	195	6/3/1993	
C&C 27-2	186	5/8/1997	
C&C 27-3	180	2/10/1989	
C&C 29	174	1/10/1989	
C&C 29-2	174	4/20/1995	
C&C 30	174	12/13/1988	
C&C 30 Mills	includes 105%HS	36	8/25/2016
C&C 30-2		150	8/27/1992
C&C 32	156	3/21/1991	
C&C 33	156	10/15/1998	
C&C 33-2	132	8/30/1989	
C&C 34	144	1/17/1989	
C&C 34/36	90	12/5/1990	
C&C 34/36 R	78	4/11/1994	
C&C 35-1	126	11/23/1988	
C&C 35-2	120	11/4/1992	

BOAT_TYPE	RATING	DATE	DW Class Rating
C&C 36 R	102	3/16/1995	
C&C 36-1	138	1/11/1989	
C&C 36-1 DK	126	11/18/2003	
C&C 36-1 SM	144	10/25/1988	
C&C 37	108	3/9/1980	
C&C 37/40R	72	3/23/1989	
C&C 38 Landfall	126	1/17/1989	
C&C 38-1	120	5/14/1998	
C&C 38-2	117	5/21/1992	
C&C 39 Landfall	126	4/16/1997	
C&C 39 TM	102	4/20/2004	
C&C 39-1	102	11/21/1991	
C&C 40-2	93	11/13/1997	
C&C 40-2 DK	87	10/16/2008	
C&C 40-2 TM	90	4/14/1989	
C&C 40-2 TM DK	84	2/16/1989	
C&C 41	72	12/16/1988	
C&C 43-1	78		
C&C 43-1 TM	75	4/22/1991	
C&C 44	57	4/9/1998	
C&C 44 w/ctrbd	69	1/13/2004	
C&C 48 Landfall	120	5/14/1998	
C&C 99	Keel 5.4 SPL=J	108	10/12/2004
C&C 99 DK	Keel 6.4 SPL=J	102	10/12/2004
C&C Corvette	201	10/27/1988	
C&C Mega	150	4/13/1989	
Cabo Rico 38	186	2/16/1995	
CAL 20	270	6/19/2008	748
CAL 21	252	1/23/2001	
CAL 22	234	4/28/1994	
CAL 24-1	240		
CAL 24-2	228		
CAL 25-1 OB	222	11/28/1988	
CAL 25-2 IB	222	10/24/1996	
CAL 25-2 OB	216	8/10/1995	
CAL 27-1 IB	192	6/1/1989	
CAL 27-1 OB	186	10/14/1988	
Cal 27-2 OB	198	12/30/2002	
CAL 27-2 IB	204	11/3/1988	

BOAT_TYPE	RATING	DATE	DW Class Rating
CAL 27-3	192	8/22/1990	
CAL 28 IB	213	9/15/2003	
CAL 28 OB	207	9/15/2003	
CAL 28-2	180	4/20/2000	
CAL 29-1 IB	180	10/27/1988	
CAL 29-1 OB	174		
CAL 29-2 IB	183	10/27/1988	
CAL 29-2 OB	177		
CAL 30-1	192	3/18/1993	
CAL 30-2	174	1/16/1992	
CAL 30-3	156	5/1/1989	
CAL 31	165	4/9/1998	
CAL 33	150		
CAL 33-2	132	6/29/1989	
CAL 34-1	174	5/19/1989	
CAL 34-2	171	5/31/1990	
CAL 34-3	171	4/13/1989	
CAL 35 CR	162	11/14/1996	
CAL 35-2	138	7/10/1995	
CAL 35-2 DK	135	7/10/1995	
CAL 36	144	11/19/1992	
CAL 36 Cruising	156	3/28/1996	
Cal 39 2/3 TM	108	1/16/2014	
CAL 39-1	114	6/10/1992	
CAL 39-1 TM	108	5/17/1990	
CAL 39-2/3	114	4/16/1997	
CAL 39-2/3 Corinthian TM	108	4/16/1997	
CAL 39-2/3 SD	120	4/16/1997	
Cal 39-2/3 TM	111	12/1/2010	
CAL 39-2/3 TM SD	114	4/16/1997	
CAL 39-4 7' Draft	105	4/16/1997	
CAL 39-4 WK	111	4/16/1997	
CAL 40	114	12/29/1988	622
CAL 43	108	8/10/1995	
CAL 46-2 & 3	156	3/23/1989	
CAL 48	96	6/27/1990	
CAL 9.2 IK	168	4/20/1995	
CAL 9.2 IK DK	165	11/16/1988	
CAL 9.2 LK DK	162	4/20/1995	

BOAT_TYPE		RATING	DATE	DW Class Rating
CAL 9.2 R		159	4/20/1995	
CAL T/2 IB		192	8/29/1990	
CAL T/4		234	12/19/1988	
Caliber Cutter LRC 40		144	2/17/2000	
Cape 31	includes small headsail	21	12/9/2024	
Cape Dory 22		270	8/5/1993	
Cape Dory 27		228	3/23/1989	
Cape Dory 28		222		
Cape Dory 30		198		
Cape Dory 31		192		
Cape Dory 36 CUT		180	2/13/1993	
Cape Dory 36 KTH		186		
Cape Dory C330		177	3/11/1999	
Cape Fear 38 R	includes small HS	60	1/14/2025	
Capo 26		156	4/14/1989	
Capo 26 IB		162	1/17/1989	
Capo 30		120	3/24/2011	645
Capri 22		204	2/16/1989	
Capri 22 TR		198	1/22/2015	
Capri 22 WK		210	2/26/2009	
Capri 22 WK MKII	2500# displacement	216	3/28/2013	
Capri 25		168	2/4/1993	
Capri 26		210	4/25/2018	
Capri 26 WK		216	4/21/1993	
Capri 30 IB		111	12/5/1988	
Capri 30 OB		108	12/13/1988	
Cardinal 46		90	5/17/1990	
Carinita		276	4/16/1992	
Carlson 29		198		
Carter 30		174		
Carter 37T		114	2/16/1995	
Carter 39		108		
Cascade 27		204	12/16/1988	
Cascade 29		234		
Cascade 36		132	3/20/2008	
Cascade 42		102	3/19/1992	
Catalina 22-1 OB FK		261	2/18/1999	
Catalina 22-1 OB SK		270	2/9/1993	
Catalina 22-2 OB FK		255	4/8/2003	

BOAT_TYPE	RATING	DATE	DW Class Rating
Catalina 25 FK	222	7/29/1988	
Catalina 25 FK TM	216		
Catalina 25 SK	225		
Catalina 25 SK TM	219		
Catalina 250	198	4/18/1996	
Catalina 250 WK	222	1/21/2010	
Catalina 27 IB	204	8/17/1988	
Catalina 27 OB	198	9/30/1988	
Catalina 27 TM IB	201	4/10/1990	
Catalina 27 TM OB	195	1/31/1995	
Catalina 270 IB	204	1/20/2000	
Catalina 275 Sport	162	8/24/2017	
Catalina 28-2	192	2/12/1998	
Catalina 28-2 TM	189	6/21/1990	
Catalina 28-2 TM WK	198	11/19/1998	
Catalina 30	180	11/22/1988	696
Catalina 30 BS	177	4/20/1995	
Catalina 30 TM	177	4/20/1995	
Catalina 30 TM BS	174	4/20/1995	
Catalina 309	168	5/20/2010	
Catalina 309 WK	177	5/20/2010	
Catalina 310	168	2/15/2001	
Catalina 320	156	4/12/2001	
Catalina 320 WK	165	2/18/2010	
Catalina 34 1&2	147	6/14/2005	
Catalina 34 TM	144	2/23/1995	
Catalina 34 WK	153	4/9/1998	
Catalina 350	141	8/16/2007	
Catalina 355 SD	141	1/22/2015	
Catalina 36	141	5/8/1997	
Catalina 36 TM	138	5/8/1997	
Catalina 36-2	141	2/15/2001	
Catalina 375	126	2/26/2009	
Catalina 38	117	11/21/1988	
Catalina 380	120	5/14/2002	
Catalina 400	102	6/15/1995	
Catalina 42-1/2	102	1/18/1996	595
Catalina 42-1/2 WK	111	1/27/2011	
Catalina 425	90	3/26/2018	

BOAT_TYPE		RATING	DATE	DW Class Rating
Catalina 445		90	8/24/2020	
Catalina 470		90	4/12/2001	
Catalina 470 TM		84	8/13/2002	
Catalina Capri 23.5	includes 125% hs	99	4/29/2019	
Catalina Morgan 381		132	1/26/2012	
Catalina Morgan 440		96	5/31/2007	
Cavalier 39		126	3/13/1997	
Celere 48		66	4/9/1998	
Celestial 32		138	3/11/1999	
Celestial 48 Sloop		102	12/18/1988	
Centurion 40		90	2/17/2000	
Centurion 42		75	3/23/1989	
Centurion 47		72	4/21/1993	
CF 37		111	5/11/2004	
CF 41		78	3/28/1996	
Challenger 32		222	5/29/1991	
Challenger 35		216	10/27/1998	
Challenger 35 KTH		222		
Challenger 35 SL		216	10/15/1998	
Challenger 40 KTH		192	6/23/1994	
Chance 37		126	6/22/1990	
Cheetah 30		69	2/14/2006	
Cheoy Lee 35 Robb		198	8/13/1998	
Cheoy Lee 41 KTH		138		
Cheoy Lee 44		132	8/22/1990	
Cheoy Lee Lion		198		
Cheoy Lee Luders 36		198	11/4/1992	
Cheoy Lee Luders 36 YWL		198	10/26/2000	
Cheoy Lee Offshore 27		246		
Cheoy Lee Offshore 40 YWL		180	8/30/1988	
Cheoy Lee Offshore 41 YWL		138		
Cheoy Lee Offshore 47 KTH		132		
Cheoy Lee Pedrick 43		102		
Cherokee 32		198	8/28/1992	
Cherubini 44		141	8/30/1988	
Chesapeake 32		192		
Choate 27		156	10/14/1988	
Choate 30		132		
Choate 34		150	1/1/1989	

BOAT_TYPE	RATING	DATE	DW Class Rating
Choate 41	78	6/23/1988	
Choate 44	57	6/11/2002	
Chris Craft 35	198	8/19/1999	
Chrysler 22	258	2/14/1998	
Chrysler 26 FK	228	5/6/1989	
Clipper Marine 23 SK MH	264	12/7/1995	
Clipper Marine 26 SK	246	2/24/1994	
Clipper Marine 30	270		
Clipper Marine 32	270	12/15/1988	
CM 1200	21	4/9/1998	
Colgate 26	156	3/21/2002	
Columbia 10.7	156	10/31/1991	
Columbia 22 (+230)	264	1/13/1994	
Columbia 23	264	4/10/1997	
Columbia 24 Challenger	258	4/20/1995	
Columbia 24 Contender	258		
Columbia 26-1 IB	258		
Columbia 26-2 IB	234		
Columbia 26-2 OB	228	2/22/1994	
Columbia 28-1	222	4/21/1993	
Columbia 29-2	228	10/11/1989	
Columbia 30	174	3/13/1989	
Columbia 30 Sport ODR	66	2/21/2008	w/ 105% jib, ISP=42 & 6.25 Spri
Columbia 32	174		
Columbia 34-1	210		
Columbia 34-2	168	6/1/1989	
Columbia 36	156	4/13/1989	
Columbia 36 SCIM Keel	156	6/3/1993	
Columbia 38	180		
Columbia 40	168		
Columbia 43-1	102		
Columbia 43-2 & 3	96		
Columbia 45	138	1/17/2002	
Columbia 45 TM	120	11/4/1988	
Columbia 5.5 M ODR	177	10/23/2014	95%
Columbia 50	96	8/30/1988	
Columbia 7.6	210		
Columbia 8.3	198		
Columbia 8.7	192		

BOAT_TYPE		RATING	DATE	DW Class Rating
Columbia 9.6		189	11/4/1988	
Columbia C 30-2	;% hs/ovrszd Main Girth/AlumV	57	1/26/2017	
Columbia Sabre		198	7/28/1988	
Comar 30		192	2/11/2003	
Concept 40		84	3/29/2012	
Conqubine 38		114		
Contention 33 Peterson		138	10/17/1989	
Contessa 26		252		
Contessa 32		186	3/16/2000	
Contessa 32-1 SM		189	2/15/1989	
Contessa 33		144	10/26/2000	
Contessa 33 TM		138	2/21/2008	
Contessa 34		114	2/10/1989	
Contessa 35		108	4/19/1990	
Contessa 43		72	6/29/1989	
Contest 28		234	3/29/1996	
Contest 42		174	4/8/2003	
Cooper 416		132	9/29/1994	
Corinthian 30		156		
Coronado 23		270		
Coronado 25		228	12/16/1988	
Coronado 27 IB		234		
Coronado 27 OB		228	12/28/1989	
Coronado 30		204	10/17/1990	
Coronado 32		174	10/19/1995	
Coronado 34		180	3/27/1989	
Coronado 35 MS		192	8/22/1991	
Coronado 41 MS		168		
Crealock 34	(AKAPacific Seacraft)	198	3/23/1989	
Crealock 37	(AKAPacific Seacraft)	174	4/12/1990	
Crealock 44	(AKAPacific Seacraft)	123	2/14/2006	
Crown 25		204		
CS 27 IB		204	7/25/1996	
CS 27 OB		198		
CS 30		156	2/15/1989	
CS 34		138		
CS 36		123	5/15/1989	
CS 36 SD		129		
CS 40		90		

BOAT_TYPE		RATING	DATE	DW Class Rating
CT 35		198		
CT 38		162	11/16/2001	
CT 41 KTH		222		
CT 49 SM		105	3/18/1993	
CT 49 TM		99	6/3/1993	
Dana 24		240	4/11/2005	
Dash 34		99	6/21/1990	
Dasher 32		174		
Davidson 44 Racing Version		60	4/9/1998	
Dehler 34		129	11/13/1997	
Dehler 38		60	5/21/2018	
Dehler 39 SD		78	3/20/2008	
Dehler 42	includes 105% hs	54	4/29/2019	
Dehler 46	105% hs	30	4/23/2015	
Dehler 46C		0	5/20/2019	
Del 36		147		
Delphia 40GT		108	6/28/2012	
Donovan 30		84	2/16/1989	
Downeast 38 CTR		216		
Dufore 24 IB		234	6/10/2003	
Dufouf 2800		204		
Dufour 1300		192	8/24/2017	
Dufour 1800/25 IB		222		
Dufour 27		204	2/8/1994	
Dufour 29		186		
Dufour 31		180	4/22/1992	
Dufour 310		156	1/26/2017	
Dufour 34		168	6/17/1989	
Dufour Arpege 30		198	11/23/1988	
Dufour T/4		192		
Eagle 44 SD	Shoal Draft	75	4/29/2024	
Eagle Cutter 45		126		
Easterly 38		156	6/21/1990	
Elan 310	105% hs	129	8/27/2015	
Elan 40 DK		66	1/14/2025	
Elite 29		162	3/27/1989	
Elite 29 SM		168		
Elite 32		144		
Elite 37		102	8/10/1995	

BOAT_TYPE		RATING	DATE	DW Class Rating
Elliott 770	Includes small HS	105	10/26/2020	
Endeavour 32		198		
Endeavour 33		162	9/7/1993	
Endeavour 37 TM/BS		180	10/31/1991	
Endeavour 38		132	3/23/1989	
Endeavour 40		162	8/23/1990	
Endeavour 43		168		
Ensenada 20 CTR		264	6/18/1992	
Ericson 23		234	6/1/1989	
Ericson 25 +		210		
Ericson 26		234	1/19/1994	
Ericson 27 IB		228	12/19/1988	
Ericson 27 OB		219	3/27/1989	
Ericson 28 +		180	6/12/1997	
Ericson 28-2		183	5/22/2008	
Ericson 29-1 Short Boom		195		
Ericson 29-1&2		192	1/18/1990	
Ericson 30 +		168	1/15/1998	
Ericson 30-1		198	4/25/1988	
Ericson 30-2 (OB Rudder)		168	1/15/1998	
Ericson 31 Independence		180		
Ericson 32-2		180	5/15/1989	
Ericson 32-200		156	6/15/1995	
Ericson 32-3		156	4/14/1989	
Ericson 33		129	11/5/2024	
Ericson 34		129	5/23/1991	
Ericson 34 3/4 Ton		147	5/15/1989	
Ericson 34 Olson SM		105	4/8/1999	
Ericson 34 Olson TM		99	12/11/1997	
Ericson 34-2		126	5/1/1990	
Ericson 350 SD	Pacific Seacraft	132	3/27/2023	
Ericson 35-1		192	4/30/1990	
Ericson 35-2		150	11/1/1988	
Ericson 35-2 SM		156	4/20/1989	
Ericson 35-3		126	3/27/1989	
Ericson 36 Cruising		162		
Ericson 36 Holland		108	5/28/1991	
Ericson 37		120		
Ericson 38		114	11/18/1988	

BOAT_TYPE		RATING	DATE	DW Class Rating
Ericson 38 SD		120	1/23/2001	
Ericson 381TM		120	2/13/1997	
Ericson 39		117	4/11/2005	
Ericson 39 B		120		
Ericson 39 CTR		108	2/18/1999	
Ericson 39 SM		114		
Ericson 41		132		
Ericson 46		72	2/17/2000	
Ericson 911S Olson		132	11/14/1996	662
Esprit 37		138		
Etchells 22 ODR	90%	120	6/13/1989	
Evasion Ketch		156	5/14/2002	
Evelyn 32-2		93	1/25/2018	
Excalibur 42		114	8/25/1994	
Explorer 45		138	9/7/1993	
Explorer 45-2 KTH		156		
Express 27 ODR	OSP & 155%	129	4/19/2002	
Express 27 w/J length pole		135	3/21/2002	
Express 34		99	12/16/1988	
Express 37		72	10/25/1988	577
Fairweather 39		132	10/3/1990	
Fantasia 35 MS		210		
Farallone 29/30		192	8/25/1989	
Farallone Clipper FR		174	10/28/2019	
Farallone Clipper MH		171	10/28/2019	
Farr 10/20 ODR	OSP & 155%	117	4/24/2023	
Farr 11.6	includes sugar scoop	66	1/24/2022	
Farr 12-20		81	1/11/1989	
Farr 280		51	8/25/2016	
Farr 30 1/2 Ton		156	8/13/2002	
Farr 33		102	6/3/1993	
Farr 36		96	10/25/1988	
Farr 36 ODR		9	11/16/2006	485
Farr 38		78	2/26/2015	
Farr 38-1 C&B Marine	OSP 14.625'	75	2/26/2015	
Farr 395		24	4/9/2002	
Farr 40 1/T		69	2/24/1998	
Farr 40 ODR FR	105%	9	1/27/2011	
Farr 40 ODR MH	105% hs	0	5/24/2012	

BOAT_TYPE		RATING	DATE	DW Class Rating
Farr 400 ODR	100%	-18	12/9/2024	
Farr 42		66	4/10/1997	
Farr 44		48	4/10/1997	
Farr 46		66	5/17/1990	
Farr 68		-39	4/9/1998	
Farr 727	North Star	192	6/17/1988	
Farr 740 Sport		162		
Farr X2	105% HS + Water Ballast	45	1/24/2022	
Farralone Clipper FR		156	6/12/1997	
Fast 345		132	1/17/1989	
Fast 40		102	2/22/2001	
Fast Passage 39		132		
Figaro I	Includes small HS	99	4/29/2024	
Figaro II	includes 104% hs	54	3/23/2017	
Finn Flyer 31		156		
Flicka 24		270	3/8/1990	
Flying Tiger 10 Meter ODR		54	4/22/2010	
Flying Tiger 7.5 Meter ODR	w/ 100% jib	87	6/15/2010	
Folkboat	100%/No NonSpin	252	11/24/1988	
Formosa 41		222	4/16/1992	
Formosa 46 CTR		126		
Formosa 51 KTH		180	5/21/1992	
Freedom 21 (Cat)		234	8/14/1997	
Freedom 21 (Sloop)		222	8/30/1989	
Freedom 25 Wing Mast		192	4/28/2009	
Freedom 28		192		
Freedom 30		165	3/27/1989	
Freedom 30 SD	Shoal Draft = 4.5'	171	4/28/2016	
Freedom 32		171	3/3/1992	
Freedom 33		162		
Freedom 36		141	6/26/1988	
Freedom 38		138	4/16/1992	
Freedom 39 KTH		144		
Freedom 40		168	8/23/1990	
Freedom 40/40		90	1/20/2020	
Freedom 42		111	5/21/1992	
Freedom 44		132	4/19/1990	
Freedom 44 SD		141	1/16/1992	
Freedom 45 SD		108	8/5/1993	

BOAT_TYPE		RATING	DATE	DW Class Rating
Freedom Express 39		150	1/13/2004	
Freedom Independence 20 ODR	92%	240	1/19/1995	
Frers 36		96	11/28/1988	
Frers 41 TM		69	4/9/1998	
Frers 46		57	4/9/1998	
Freya 39		138	3/16/1995	
Freya 39 TM		138	12/31/1990	
Frisco Flyer FR		306		
Frog 21 Cat Rig		234		
Fuji 32 KTH		246		
Fuji 35 KTCH		210	2/20/1992	
Fun 23 (AKA Ranger Fun 23)		177	4/16/2006	
Gale Force 34		201	4/9/1998	
Gibsea 42		126	3/15/2007	
Gladiator 24		252	6/27/1991	
Golden Gate JR		312		
Golden Gate ODR	100%	246	7/22/1994	
Golden Wave 42		102	3/30/1993	
Grand Soleil 35		138	1/10/2006	
Grand Soleil 39 TM		96	10/12/2006	
Grand Soleil 46.3 DK		30	5/20/2010	
Great Dane 28		210	4/28/1994	
Gulf 29 PH		204	1/19/1995	
Gulf 32		264	8/22/1991	
Gulf 39 PH		129	2/25/2016	
Gulfstar 37		150	2/24/1994	
Gulfstar 40		120	1/30/1991	
Gulfstar 41 SLP		156	6/27/1991	
Gulfstar 43		126		
Gulfstar 50 KTH		132	4/20/1989	
H Boat		186	2/16/1995	
Halberg Rassey 46		96	2/11/2003	
Halberg Rassy 42 KTH		168	3/27/1989	
Hallberg Rassy 38		150	9/23/2019	
Hallberg-Rassy 34 Frers		138	2/15/2001	
Hans Christian 33		216	2/9/1990	
Hans Christian 33 TM		213	5/13/2003	
Hans Christian 34 C		204		
Hans Christian 38 Trad SM		192	4/9/1998	

BOAT_TYPE		RATING	DATE	DW Class Rating
Hans Christian 38-1/2		186	11/14/1996	
Hans Christian 41 Trad		162		
Hans Christian 43 CTR		138	3/24/1994	
Hans Christian 43 KTH		150		
Hans Christian 43 SLP		144	11/19/1991	
Hans Christian 43 Trad K		144	4/20/1995	
Hans Christian 44		201	4/16/1990	
Hans Christian Christina 43		144	5/23/2022	
Hanse 311		156	6/8/2004	
Hanse 341/342		138	1/22/2009	
Hanse 370		102	4/28/2009	
Hanse 371		96	8/26/2024	
Hanse 385	95% hs	93	2/26/2015	
Hanse 385 SD	95% hs, Shoal Draft	99	6/28/2021	
Hanse 388		96	10/31/2023	
Hanse 415	includes small self tacking jib	87	10/30/2023	
Hanse 458		54	2/29/2024	
Hanse 505	Includes 100% hs	45	5/25/2017	
Hanse 540e DK	9' draft	12	3/18/2010	
Harbor 20	includes small hs	210	3/29/2021	
Harbor 25	w/ 85% jib	180	6/19/2008	
Hawkfarm 28	NCPHRF	168	3/6/1989	
Hawkfarm 28 ODR	OSP-155%	162	7/10/1995	
Henderson 30	includes oversized maingirths	48	11/19/2009	
Herman 20		312	3/6/1992	
Herreshoff 26		204		
Herreshoff 28 KTH		255	11/14/1996	
Herreshoff 33		186	6/15/2000	
HincklelySW 42 SM		114	1/27/1994	
Hinckley 26 Great Harbor		186	7/1/1999	
Hinckley 38		150	10/26/1993	
Hinckley 40 Owens		147	12/11/1997	
Hinckley 42 SW		108	2/17/2000	
Hinckley Pilot 35 TM		192	5/28/2015	
Hobie 33	NCPHRF J=SPL-I=ISP	93	2/18/2010	
Hobie 33 ODR	OSP-13.125 ISP=36.5	87	2/18/2010	
Hobie Magic 25	w/Trap+3 101%	57	4/9/1998	
Holder 20		192	6/15/1995	
Holiday 30		264	8/12/2003	

BOAT_TYPE	RATING	DATE	DW Class Rating
Hollman FD 12	87	5/8/1997	
Hood 38 CB	132	7/17/1991	
Hotfoot 20	174	12/7/1995	
Hotfoot 27	150	2/11/1991	
Hudson Force 50 KTH	138		
Hughes 38-1	138		
Humboldt 30 IB	108	1/20/2000	
Humboldt 30 OB	102	1/20/2000	
Hunter 23 CB	234	1/30/1991	
Hunter 25 OB	222	10/14/1988	
Hunter 25.5	210	9/29/1994	
Hunter 27 IB	204		
Hunter 27-2 OB	186		
Hunter 28	180		
Hunter 28.5	186	3/13/1997	
Hunter 28.5 SD	192	6/11/1998	
Hunter 280 SD	213	5/14/1998	
Hunter 29.5	192	9/29/1994	
Hunter 290	204	4/12/2001	
Hunter 30 CB	186	6/3/1993	
Hunter 30-1	180		
Hunter 30-1 TM	177	11/14/1996	
Hunter 30-2	180	4/12/2001	
Hunter 306	204	4/8/2003	
Hunter 31	162	8/24/2000	
Hunter 310	165	5/18/2000	
Hunter 32 Vision	174		
Hunter 320	180	6/15/2000	
Hunter 33	174		
Hunter 33.5	150	2/8/2005	
Hunter 33-2	150	2/18/2010	
Hunter 34	144	8/14/1999	w/steel K
Hunter 34 IK	144	2/16/1989	
Hunter 34 LK	141	12/31/1992	
Hunter 340	147	1/24/2022	includes small HS
Hunter 35 Legend	132	9/29/1994	
Hunter 35 Legend WK	138		
Hunter 35.5	138	9/29/1994	
Hunter 356	138	1/11/2005	

BOAT_TYPE	RATING	DATE	DW Class Rating
Hunter 36	144	3/10/1989	
Hunter 37	126	8/22/1990	
Hunter 37 CTR	138	5/31/1990	
Hunter 37 Legend	108	8/19/1988	
Hunter 37 Legend WK	114	9/29/1994	
Hunter 37.5 WK Legend	120	3/12/1998	
Hunter 376	108	5/20/1999	
Hunter 380	111	5/20/1999	
Hunter 40	102	8/30/1988	
Hunter 40.5	93	10/31/1992	
Hunter 41	117	6/14/2005	
Hunter 410	120	8/19/1999	
Hunter 42 Passage WK	102	11/19/1992	
Hunter 430	102	6/7/2006	
Hunter 45	66	4/9/1998	
Hunter 45 Legend	66	4/9/1998	
Hunter 450 Passage	105	5/14/1998	
Hunter 466	120	8/16/2007	
Hunter 54	36	4/9/1998	
Hurricane	204		
Hylas 42 Frers	84		
Hylas 42 Frers SD	90	1/19/1995	
Hylas 44	108	8/30/1989	
Hylas 46	102	5/21/2009	
Hylas 47	108		
ID-35	OSP 14.75' & ISP 44.78'	33	6/8/2004
Impulse 26	138		
IMX38	66	4/9/1998	
International 10.06	90		
International Dragon 29	192		
International Folkboat IB	234	11/15/1989	
International Folkboat OB	228	11/20/1989	
International Tempest ODR	141	2/14/2006	
IOD ODR	100%	156	1/19/1995
Irwin 30	177	1/18/1996	
Irwin 30 Citation	177	1/19/1995	
Irwin 31 Citation	156		
Irwin 39 Citation	117	8/17/1990	
Irwin Citation 34	162	3/18/2010	

BOAT_TYPE		RATING	DATE	DW Class Rating
Island Packet 35		180	8/5/1993	
Island Packet 38		174	8/22/1991	
Island Packet 380		168	4/9/2002	
Island Packet 40		168	4/26/1999	
Island Packet 41		168	10/17/1990	
Island Packet 45		126	10/12/2004	
Island Packet SP Cruiser		204	3/18/2010	
Islander 21		270		
Islander 26 Excalibur		216		
Islander 26 IB		240	11/14/1996	
Islander 27 OB		228	11/14/1996	
Islander 28		201	12/7/1995	
Islander 28 SM		204	11/18/1988	
Islander 29-1 & 30-1		246	7/27/1992	
Islander 30-2		186	12/12/1988	677
Islander 30-2 TM		180	1/20/2020	
Islander 32-1 & 33-1		228		
Islander 32-3 Perry		174		
Islander 34		210		
Islander 36		147		
Islander 36 Freeport		162	6/1/1989	
Islander 36 NCPHRF		147	8/10/1995	
Islander 36 ODR	OSP 15.0'	144	2/15/1988	648
Islander 36 TM		141		
Islander 37		150	6/16/1989	
Islander 40 Peterson		78	3/6/1989	
Islander 41		114		
Islander 41 Freeport		192	9/3/1992	
Islander 44		132	8/12/1991	
Islander 48		114	1/26/2016	
Islander Bahama 24		264	10/24/1990	
Islander Bahama 28		201	4/25/1990	
Islander Bahama 28 SM		210	4/23/2018	
Islander Bahama 30		180	11/21/1988	
J 100 ODR	P=15.9/ASM 89 SqMtr/HS=100	84	2/28/2022	
J 105	NCPHRF Jpole & 155%	72	1/14/2003	
J 105 ODR w/ 5'BS	S= 89^m & 100%	78	8/17/2006	581
J 105 ODR w/77^ m & 100%		84	4/24/2008	
J 109		66	4/8/2003	

BOAT_TYPE		RATING	DATE	DW Class Rating
J 109 ODR w/108^ m	105% jib & 108 sq meter Asym	72	6/24/2024	583
J 109 ODR w/120^ m		66	8/28/2023	
J 110 CM		93	5/18/2000	
J 111	105% headsail	36	1/27/2011	
J 112e	includes small HS	54	11/29/2021	
J 120 ALUM	≈52 Sprit=7 Rtg chngd by US\$	45	5/12/2021	541
J 120 CARBON	≈52 Sprit=7 Rtg chngd by US\$	45	5/12/2021	
J 121	No Water Ballast/Sm headsail	18	5/24/2021	
J 121 w/ water ballast	sm headsail	9	5/24/2021	
J 122e		30	6/24/2024	
J 124	w/ 105% jib	33	2/23/2017	
J 125		-12	5/20/2010	
J 130 CM SD		21	6/11/1998	
J 130 DK AM		21	11/5/2024	
J 130 DK CM		21	11/5/2024	
J 133 CM	w/ 105% & JSP=24	24	2/21/2008	
J 160	Keel 8.5'	-18	4/9/1998	
J 22		183	12/16/1988	
J 24 ODR	150%	168	10/14/1988	693
J 27		126	5/31/1990	
J 28		162		
J 29 7/8 IB		129	2/24/2024	642
J 29 7/8 IB LP 160%		129	2/24/2024	
J 29 7/8 OB		123	4/28/2011	642
J 29 MH IB		114	12/15/1988	
J 29 MH OB		111	1/18/1990	
J 30		141	11/18/1988	657
J 30 OSP	OSP 12.5'	135	3/16/2000	
J 32	1'm Asail from anc roll JSP=11.1'	126	6/19/2008	640
J 33		84	1/18/1990	
J 35		72	11/18/1988	581
J 35C		90	11/19/2009	
J 36		84	11/21/1989	
J 37		78		
J 37C SD	5.5' draft	87	1/25/2018	
J 40		75	9/6/1994	
J 41 FR		72	11/14/1989	
J 42		72		
J 42 SD	5.5' draft	81	3/19/2009	

BOAT_TYPE		RATING	DATE	DW Class Rating
J 44		21	4/9/1998	
J 46		36	6/8/2004	
J 70 ODR	100%	114	8/22/2013	607
J 80 ODR	w/BS & 100%	114	2/27/2018	
J 88	Rating Adj per US Sailing	81	9/15/2015	561
J 9	includes small headsail	117	8/25/2022	
J 90		48	11/12/2002	
J 92	w/5.5 BS	105	2/14/2006	
J 92S	105%	96	10/1/2014	
J 99	includes small headsail	72	8/26/2019	
Javelin 37		174		
Jeanneau 11.2M Voyager		159	2/24/1994	
Jeanneau 27 Fantasia		210	3/19/1992	
Jeanneau 32 Attalia		156	8/30/1989	
Jeanneau 34 Sunrise		138	5/29/1991	
Jeanneau 35 Sun Fast		114	2/10/2004	
Jeanneau 36 Sunshine		120	1/21/1999	
Jeanneau 41 Sun Legend		84	2/10/1989	
Jeanneau 41 Sun Legend CB		90	6/10/2003	
Jeanneau 42iP		66	4/25/2022	
Jeanneau 43 Sun Odyssey		96	8/10/2004	
Jeanneau 45 Sunkiss		96	10/26/1993	
Jeanneau 45.2		96	1/20/2000	
Jeanneau 53		54	2/27/2014	
Jeanneau 57		36	1/26/2016	
Jeanneau Sun Fast 3200	112%	81	10/22/2015	
Jeanneau Sun Fast 32i		141	8/16/2007	
Jeanneau Sun Fast 3300		60	10/31/2023	
Jeanneau Sun Odyssey 34.2		156	3/9/2004	
Jeanneau Sun Odyssey 349		138	1/26/2017	
Jeanneau Sun Odyssey 35		120	1/21/2010	
Jeanneau Sun Odyssey 36.2		126	2/11/2003	
Jeanneau Sun Odyssey 36.2 TM		120	4/9/2002	
Jeanneau Sun Odyssey 37.1		138	4/8/1999	
Jeanneau Sun Odyssey 379		102	5/25/2017	
Jeanneau Sun Odyssey 39i		90	9/22/2011	
Jeanneau Sun Odyssey 40		93	11/30/2017	
Jeanneau Sun Odyssey 40 SD		102	11/30/2017	
Jeanneau Sun Odyssey 40.3		90	10/11/2005	

BOAT_TYPE		RATING	DATE	DW Class Rating
Jeanneau Sun Odyssey 409		84	10/23/2014	
Jeanneau Sun Odyssey 42 DS		96	4/27/2017	
Jeanneau Sun Odyssey 44		75	4/26/2012	
Jeanneau Sun Odyssey 445 DK		87	8/24/2020	
Jeanneau Sun Odyssey 45C DK		90	3/25/2024	
Jeanneau Sun Odyssey 49		72	2/21/2008	
Jeanneau Sun Odyssey 519		30	2/29/2024	
Jeanneau Sunfast 3600	105%hs/Ovrszd Main girths	63	1/26/2017	
Jeanneau US Version 36.2		120	2/17/2000	
Jonmarie 40		99	11/14/1996	
JPK 1080	Includes 100% hs	63	5/25/2017	
Kaiser 44 Ketch		186	6/12/1997	
Kaufman 30		162	2/24/2011	
Kaufman 47		96	2/8/1994	
Kettenberg 9.6 (Columbia)		189	3/13/1997	
Kettenburg 38		165	1/21/1999	
Kettenburg 40		150	11/16/1987	
Kettenburg 41		138	6/15/1995	
Kettenburg 43		138		
Kettenburg 46		114		
Killer Whale 25		210	11/14/1996	
Kirby 23		186	4/20/2004	
Kirby 25		174		
Kirby 30		120	1/22/2024	
Kiwi 21		210		
Kiwi 24		204		
Knarr ODR	Class Jib/No NonSpin	198	10/19/1990	
Krogen 38		132	10/31/1992	
La Fitte 44		120		
Lacoste 42		99	4/29/2019	
Laguna 22		240		
Laguna 30		192	12/15/1988	
Lancer 25-4		252		
Lancer 29		180	8/11/1988	
Lancer 30-3		198	6/10/2003	
Lancer 30-5		192	5/11/1989	
Lancer 36 MH		132	8/26/1993	
Lancer 44		138		
Landmark 43	inc 107% hs	9	2/25/2019	

BOAT_TYPE		RATING	DATE	DW Class Rating
Lapworth 36		150	6/15/1995	
Lapworth 39		150	12/15/1988	
Lapworth 40		156	4/29/1991	
Lapworth 50		96	2/20/1992	
Laser 28	NCPHRF J length Pole	141	4/12/2007	
Laser 28 ODR	OSP & 155%	129	3/9/1989	
Laser SB3	100% Headsail	120	1/27/2011	
LeComte 35		162	1/13/2004	
Lidgard 29		135	2/29/2024	
Lidgard 40		78	5/11/1990	
Luders 33		192		
Luffe 44		57	4/9/1998	
Luffe 48		18	4/9/1998	
Luna 24 SLP		192	11/12/2002	
MacGregor 25		222	1/19/1995	
MacGregor 26 WB		222	4/18/1991	
MacGregor 26 X		222	2/21/2002	
MacGregor 65		-15	4/9/1998	
MacGregor 65 SM		-6	4/9/1998	
Magnussen 36		120	4/10/1997	
Mair 28		126	11/22/1988	
Mariner 35		210	11/21/1991	
Mariner Centaur 34 BS		174	2/14/1998	
Martin 24-1		162	6/29/1989	
Martin 242 ODR	OSP & 110%	153	5/14/1998	
Martin 32		126	10/8/2002	
Mason 33		174	1/21/2010	
Mason 37		168	6/18/1992	
Mason 44		150	11/30/2017	
Maxi 95		174	5/14/1998	
Maya		246		
Medalist II		192	3/16/2000	
Melges 20	110% jib	111	1/21/2010	
Melges 24	100%	84	8/17/2007	
Melges 30		36	4/9/1998	
Melges 32 ODR		27	8/25/2016	
Meridian 25 (Seafarer)		252	5/1/1990	
Merit 22 CB		219	8/13/2002	
Merit 25		168	10/14/1988	

BOAT_TYPE		RATING	DATE	DW Class Rating
Merit 25 CB		213	12/9/1999	
Mirage 236		168	11/14/1996	
Moody 346		156	10/11/2005	
Moody 41		132	10/18/2001	
Moody 42		132	2/18/2010	
Moody 425		102	12/9/1993	
Moore 24		150	1/13/1997	
Moore 24 IB		156	10/18/1998	
Moore 30		24	4/9/1998	
Moorings 38 SD	4.8' draft	120	3/24/2011	
Moorings 500		84	5/8/1997	
Morgan 24 & 25		240	3/1/1991	
Morgan 27 IB		180	8/30/1989	
Morgan 27 IB SM		186		
Morgan 27 OB		174	3/23/1989	
Morgan 28 Out Island		258	2/15/1989	
Morgan 30-2		168	1/17/1989	
Morgan 32-2/3		174	1/27/1994	
Morgan 33		174		
Morgan 33 Out Island		216	3/28/1996	
Morgan 36 4/6		114	2/28/2022	
Morgan 36 T		126	1/16/1992	
Morgan 38-2		150	8/30/1988	
Morgan 38-3/4		144		
Morgan 38-5 WK		117	8/13/1998	
Morgan 41 Out Island		192	4/16/1992	
Morgan 44		144	5/26/1993	
Morgan 45-4 CB		78	1/14/2003	
Morgan 45-5 SD		120	2/12/1998	
Morgan 46		57	4/9/1998	
Morgan 462		141	10/26/2017	
Morgan 51 Out Island		129	4/30/1990	
Morris 36	100% hs	120	5/26/2011	
Morris 486		87	1/25/2021	
Mull 27 T/4		198	4/27/1993	
Mumm 36		42	4/9/1998	
Mumm/Farr 30	104% & OSP 13.58	54	4/9/2002	
Nantucket Island 33		210	8/25/2022	
Nautica 27 IB		192	8/14/1997	

BOAT_TYPE		RATING	DATE	DW Class Rating
Nautica 27 OB		186	8/14/1997	
Nauticat 43		132	1/28/1993	
Nauticat 44 StaSail SCH		180	3/14/1998	
New York 36		108		
Newport 20		270		
Newport 27S OB		192		
Newport 27S-2 (766+)		195	11/21/1988	
Newport 28-1 IB		192	5/14/2002	
Newport 28-2 IB		189	5/14/2002	
Newport 30-1 SM		180	1/29/1992	
Newport 30-2		174	10/14/1988	
Newport 30-3		174	1/17/2002	
Newport 33		168	6/21/1990	
Newport 33 PH DK		168	5/17/1990	
Newport 41 S		108	12/18/1989	
Newport 41-2		108	10/26/1994	
Newport 41-2 SD		114	10/26/1994	
Newporter		207	2/24/1994	
Niagra 31		162	4/1/1993	
Niagra 35		150	11/18/1988	
Nicholson 32		216	4/23/2015	
Nicholson 35-5		150	3/16/2000	
Nightengale 24		210	11/2/1988	
Nimbus 42		96	9/19/1995	
Nonsuch 22	No NonSpin	246	8/19/1999	
Nonsuch 26	No NonSpin	210	2/9/1989	
Nonsuch 30	No NonSpin	174	2/15/1989	
Nonsuch 33	No NonSpin	162	1/19/1995	
Nonsuch 36	No NonSpin	156	11/15/1989	
Nordic 40		105	11/28/1988	
Nordic 44		90		
Nor'Sea 27 SM		246	4/18/1991	
Nor'Sea 27 TM		240	2/24/1994	
Norseman 400		132	11/2/1988	
Norseman 447		102	3/11/1999	
North American 40		84	7/1/1999	
North Star 500		234		
North Star 727 Farr		192	6/17/1988	
Northcoast 10.3		132		

BOAT_TYPE		RATING	DATE	DW Class Rating
NorWest 33		186	4/14/1989	
O'Day 22 MH		282	10/23/2014	
O'Day 222		264	12/13/1988	
O'Day 23 Tempest		234		
O'Day 240		228	3/30/1994	
O'Day 25 CB OB		234	1/16/1992	
O'Day 26 Outlaw		228		
O'Day 27 IB		201	1/11/2005	
O'Day 27 IB DK		198	10/14/1988	
O'Day 28 (323-440)		192	2/20/1992	
O'Day 30 FK		162	5/4/1993	
O'Day 34		144	10/14/1988	
O'Day 37		162	1/19/1995	
O'Day 39		114		
O'Day 39 KTH		108	2/18/1999	
O'Day 40 SD		120	4/9/1998	
Offshore One Design 34		111	1/24/2013	
Ohlson 31 Harmony		216		
Ohlson 36		186		
Ohlson 38		141	8/12/2003	
Ohlson 38 SM		144		
Ohlson 41		132		
Olson 25		159	10/25/1988	
Olson 29	OSP 11.75	99	2/14/2006	
Olson 30 IB		105	4/12/2001	
Olson 30 OB		99	4/12/2001	584
Olson 33		93		
Olson 34		99	10/24/1996	
Olson 40		54	1/21/2019	
Olson 8.23 FR		132		
Olson 8.23 MH		120		
Olson 911S		126	4/24/2008	648
Olson 911SE (AKA Ericson)		132	11/14/1996	
Ontario 28		192		
Open 5.7 ODR		138	4/24/2008	
Open 6.5 ODR	125% hs	87	10/23/2014	
Optima 101 (Dehler)		138	1/26/2001	
Opus 34		144	5/14/1998	
Orion 27-2		240	10/31/1992	

BOAT_TYPE		RATING	DATE	DW Class Rating
Orion 35		150	10/11/2005	
Orion 50		84	1/27/1994	
Outbound 44		84	4/20/2000	
Outbound 46		96	3/29/2021	
Owen's 40 Cutr		144	3/24/1994	
Oyster 42		132	1/17/2002	
Oyster 49		102	4/22/2010	
Oyster SJ 35		114	2/15/1996	
Pac 52	104%hs	-102	2/23/2017	
Paceship 32-28		162	5/21/1992	
Pacific 30		198		
Pacific 30 TM		198	5/18/2000	
Pacific Seacraft 25-1		312		
Pacific Seacraft 31		198	1/16/1992	
Pacific Seacraft 32 PH		210	11/30/2020	
Pacific Seacraft 34	(AKA Crealock)	198	3/23/1999	
Pacific Seacraft 37	(AKA Crealock)	174	4/12/1990	
Pacific Seacraft 40 SD	AKA Crealock	153	6/24/2019	
Palmer Johnson 30 1/2 Ton		180	1/27/2011	
Palmer Johnson 36(Stfast)		126	8/31/1988	
Panda 38		162	3/16/1995	
Panda 40		162		
Passoa 47		141	8/16/2007	
Passort 42 SM		141	4/29/2019	
Passport 40		138	12/12/1988	
Passport 42		132	10/31/1991	
Passport 42 SM		141	4/29/2019	
Passport 47		108	6/3/1993	
Passport 51		96	11/2/1988	
Pearson 10M		144	11/23/1988	
Pearson 22 Electra		270	10/27/1988	
Pearson 23		240	8/11/1988	
Pearson 23 Ensign		270		
Pearson 26 Ariel OB		258	11/3/1988	
Pearson 26 Commander		258		
Pearson 26 OB		216	3/13/1997	
Pearson 27 Renegade		240	1/16/2014	
Pearson 28		198		
Pearson 28 Triton FR		228		

BOAT_TYPE	RATING	DATE	DW Class Rating
Pearson 28 Triton MH	222		
Pearson 30	180	8/30/1988	
Pearson 30 Coaster	216	3/19/1992	
Pearson 30 Flyer	144	4/6/1993	
Pearson 303	186	6/18/1992	
Pearson 31 FR	174		
Pearson 31-2	162	2/20/1992	
Pearson 32	165	6/29/1989	
Pearson 323	180	8/28/1991	
Pearson 33	144	4/19/1990	
Pearson 33 Vanguard	222		
Pearson 33-2	147		
Pearson 34	144		
Pearson 35 CB	192	5/17/1990	
Pearson 36	138		
Pearson 36 Cutr	156	1/11/1991	
Pearson 36-2	126	8/27/1992	
Pearson 365	192	8/23/1988	
Pearson 365 KTH	192	8/11/1988	
Pearson 37	102	11/29/1990	
Pearson 37-2	138	6/18/1992	
Pearson 385	174	4/28/1994	
Pearson 39	126		
Pearson 40	108	6/21/1988	
Pearson 424 Cutr	156		
Pearson 424 KTH	162	12/12/1988	
Peterson 25 T/4	204	10/27/1988	
Peterson 30 T/2	156		
Peterson 33	144	8/14/1997	
Peterson 33 (CHITA)	144		
Peterson 33 3/4 T	132	11/2/1989	
Peterson 34	120	10/25/1988	
Peterson 35 1/T	102		
Peterson 41	66	4/9/1998	
Peterson 44 C	132	11/21/1988	
Peterson Wiggers 37	108		
Pogo 30	60	2/28/2022	
Pogo 36	57	2/28/2022	
Pointin 29	150		

BOAT_TYPE		RATING	DATE	DW Class Rating
Pretorien 35		132	2/10/1989	
PT 30-2		162	4/9/1998	
Pyramid 30 FR		108	8/30/1988	
Pyramid 30 MH		102		
Pyramid 45		27	4/9/1998	
Pyramid 660 ODR	125%	156	5/11/1990	
Quest 33 CM IB	w/ JSP=17 & no water ballast	75	2/21/2008	
Rafiki 35		192		
Rafiki 37		174	6/1/1989	
Rainbow 24		246	2/16/1989	
Ranger 20		222	5/4/1990	
Ranger 22		216		
Ranger 23		216	11/2/1988	
Ranger 23 TM		210	1/21/1992	
Ranger 24		219	11/19/1998	
Ranger 26-1		195	4/20/2000	
Ranger 26-1 SM		198	4/20/2000	
Ranger 26-2		189	1/21/2010	
Ranger 28		180	12/15/1988	
Ranger 29		180	11/16/1988	
Ranger 30		162	2/15/1989	
Ranger 32		156	1/20/2000	
Ranger 33		150	11/28/1988	
Ranger 33 SM		159	12/19/1988	663
Ranger 37		120	11/21/1989	
Ranger Fun 23 ODR	Class sails/Jpole/Oversized Spi	177	4/13/2006	
Ravage 36		102	1/27/1994	
Rawson 30-1		264	4/30/1990	
Rawson 30-2 BS		258	8/23/1990	
Redline 35		162	4/19/1990	
Reichel/Pugh 68		117	4/20/2000	
Rhodes 19 OSP	100%	258	10/25/1988	
Rhodes 33		156	8/22/1991	
Rhodes 41		162	5/21/1992	
Rhodes Swiftsure 33		198	1/28/1993	
Rocket 22	includes small HS	105	1/22/2024	
Ross 930		102	3/23/1989	
RS 21	includes small headsail	114	1/1/2020	
S&S 30	includes 90% self-tacking jib	144	8/24/2017	

BOAT_TYPE	RATING	DATE	DW Class Rating
S&S 47 (Stevens 47)	96	4/20/1995	
S&S 52	123	10/28/2003	
S-2 11.O A	144	4/28/1994	
S-2 6.9	204	7/25/1996	
S-2 7.3	234	10/19/1995	
S2 7.9 F/R DB IB	171	1/21/1999	
S-2 7.9 FR DB	165	10/19/1995	
S2 7.9 FR DB IB	171	1/21/1999	
S-2 8.5	174		
S-2 9.2 A	180		
S-2 9.2 C	180		
Sabre 28-2	204		
Sabre 30-2	168		
Sabre 30-3	162	8/27/1992	
Sabre 32	156	2/15/1989	
Sabre 34-1	144	3/21/1991	
Sabre 34-2	135	8/23/1990	
Sabre 36	123	4/1/1990	
Sabre 36 CB	132	5/21/2018	
Sabre 36-2	111	3/19/2009	
Sabre 36-2 WK	120	3/19/2009	
Sabre 38-1	117	2/14/2006	
Sabre 38-1 CB	123	6/11/1998	
Sabre 38-2	114	2/14/2006	
Sabre 386 DK	90	2/21/2008	
Sabre 40-2	72	4/8/2003	
Sabre 40-2 WK	81	4/28/2016	Shoal Draft = 4.9'
Sabre 42	93	5/15/1989	
Sabre 42 CB	96	1/25/2021	
Sabre 425 WK	99	2/21/2008	
Sabre 426	69	3/26/2018	Standard Keel
Sabre 426 WK	78	3/26/2018	
Sabre 452	60	10/21/1999	
Sabre Spirit	96	2/25/2019	
Saffier SE37	54	8/26/2024	
Saga 409	75	5/26/2011	
Saga 43	78	1/20/2000	
Sailmaster 26	234	5/24/2012	
San Juan 21-1 & 2	240		

BOAT_TYPE		RATING	DATE	DW Class Rating
San Juan 24		216	11/21/1988	
San Juan 26 CB		222	6/1/1989	
San Juan 28		168	5/31/1991	
San Juan 30		174	11/22/1988	
San Juan 34		138	12/12/1996	
Santa Cruz 27		141	3/20/2008	621
Santa Cruz 33		114	10/24/1996	
Santa Cruz 37	105%	27	4/28/2009	
Santa Cruz 40		57	1/21/2019	
Santa Cruz 50		0	10/28/2019	
Santa Cruz 70		-66	4/9/1998	
Santana 20		222	11/15/1991	
Santana 2023A		222	8/10/1995	
Santana 2023R		168	9/29/1994	
Santana 22		234	10/11/1988	
Santana 22 ODR	123%	237	8/10/2004	
Santana 23 DB		168	8/30/1989	
Santana 23 MAX		159	12/7/1995	
Santana 25-1		222		
Santana 26 FK		204		
Santana 27 IB		198	6/14/1990	
Santana 27 OB		192	7/28/1988	
Santana 28		186	11/30/1988	
Santana 30		180	12/15/1988	
Santana 30-30 GP		120	2/18/1999	
Santana 30-30 PC		126	11/13/1989	
Santana 35		114	9/2/1988	628
Santana 37		126		
Santana 37 TM		114	5/17/1990	
Santana 525		189	9/23/2010	
Scampi 30-2		174	12/15/1988	
Sceptre 41		126	4/20/1989	
Schock 23-2		180	4/19/1990	
Schock 34 PC		117	11/18/2003	
Schock 35		75	6/11/1998	
Schock 40		-18	5/18/1999	
Schock Grand Prix 41		66	2/14/2006	
Schock Harbor 20		210	5/20/1999	
Sea Quest 26		228	1/24/2001	

BOAT_TYPE		RATING	DATE	DW Class Rating
Seafarer 30 Swiftsure		186	1/16/1992	
Seafarer 31-2		174		
Seidlemann 299		174	6/29/1988	
Serendipity 43 Peterson		63	4/9/1998	
Shields ODR	105%	177	2/15/1989	
Sigma 41 TM FR DK		87	5/18/2000	
Skye 51		84	8/12/2003	
Slocum 42		150	3/1/1991	
Soling 26 ODR	106%	150	12/2/1988	
Sonar 23		171	11/9/2004	
Sonic 30		93	9/29/1994	
Sonoma 30 IB		108		
Sonoma 30 OB		102	12/2/1988	
Soto 30	102% hs	39	8/25/2016	
Sou'wester 42 Competition		147	3/25/2019	
Soverel 26 OB		171		
Soverel 30 FR		126	2/15/1996	
Soverel 30 MH		126	6/23/1988	
Soverel 33-2		96	4/12/2001	
Soverel 33-2 OSP		87	4/12/2001	
Soverel 36 TM		108	1/19/1995	
Spaulding 33		192	7/25/1996	
Spaulding 38		162	2/26/2018	
Spirit 28		192	1/22/2009	
Sprinta Sport 23		198		
SR 33	includes OSP	75	4/26/2021	
Stamas 44		132	5/16/1996	
Standfast 40		102	3/13/1997	
Star ODR	100%/No NonSpin	156	2/24/1994	
Stevens 37		129	1/24/1992	
Stevens 47 (S&S)		96	4/20/1995	
Stevens 50 PH		96	1/27/1994	
Stone Horse 26		246	6/8/2004	
Sun Odyssey 36.2		126	4/13/2006	
Sun Odyssey 40.3		90	10/11/2005	
Sun Yacht 27		204	6/11/1998	
Sunsail F40 ODR	105% jib & 2' sprit	57	10/28/2019	
Sunset 33 (Wood)		168		
Swan 36		144	8/7/1990	

BOAT_TYPE		RATING	DATE	DW Class Rating
Swan 37		126	8/22/1991	
Swan 371		114	3/13/1997	
Swan 38		120	11/28/1988	
Swan 38 SM	I = 48.5	126	4/22/2010	
Swan 39		84		
Swan 391		96		
Swan 40		120		
Swan 40-2 FRERS		78	6/11/1998	
Swan 41		108	2/20/1992	
Swan 42		81	8/23/1993	
Swan 42 Club	106% hs	9	2/26/2015	
Swan 43		96		
Swan 431		90	12/13/1988	
Swan 44		84	6/1/1989	
Swan 44 SM		90		
Swan 441		69	1/16/1992	
Swan 44-2		72	4/9/1998	
Swan 45		72	11/14/1996	
Swan 45 OD		-12	5/31/2007	
Swan 46		63	4/9/1998	
Swan 46 CB		72	10/24/1996	
Swan 47		66	5/17/2001	
Swan 48 FRERS MH		27	10/26/2020	
Swan 48 S&S		72	4/9/1998	
Swan 51		36	4/12/2001	
Swan 53 CB		27	4/9/1998	
Swan 53 CB SM		36	4/9/1998	
Swan 53 DK SM		27	4/9/1998	
Swan 53-2	daggerboard option	30	1/16/2014	
Swan 55		57	4/9/1998	
Swan 59		6	4/9/1998	
Swan 60R		-33	6/11/1998	
Swan 651		-6	4/9/1998	
Swede 55		72	4/9/1998	
Sweden 41		99	10/24/2022	
Swift 40 KTH		171	8/11/1988	
Sydney 32		81	2/11/2003	
Sydney 36-1	cludes sm HS & retractable sp	63	3/27/2023	
Sydney 38	104%	27	4/11/2005	

BOAT_TYPE		RATING	DATE	DW Class Rating
Sydney 38 MH	104% HS, MH config	21	8/26/2016	
Sydney 40T		3	5/14/2002	
Sydney 41		18	1/20/2000	
Synergy 1000	125% hs, ISP = 45.75	45	2/18/2010	
Tanzer 22		237	4/20/2000	
Targa 10.1		162	5/28/1989	
Targa 9.6 (32)		174		
Tartan 10		126	11/18/1988	623
Tartan 101	include's 105% headsail & sprit	87	5/21/2018	
Tartan 28		174	6/27/1991	
Tartan 30		180	3/9/1989	
Tartan 33 3/4 RIG		159	1/22/2001	
Tartan 33 7/8 RIG		156	1/23/2001	
Tartan 33R		144		
Tartan 34 CB		162	5/24/2012	
Tartan 3400	00% jib, ISP=49.67, SPL=13.7	114	1/16/2014	
Tartan 34-2		138	3/24/1994	
Tartan 3500		117	10/8/2002	
Tartan 3700 CCR	includes small HS	96	2/24/2020	
Tartan 3700 DK 7.25		105	5/17/2001	
Tartan 3700 SD 5.0'		114	4/28/2011	
Tartan 37-2		126		
Tartan 37-2 CB		126	3/11/1999	
Tartan 3800 OC		117	3/16/2000	
Tartan 4000	includes 155% reacher	81	1/21/2019	
Tartan 41		102		
Tartan 4100 SD		93	1/24/2013	
Tartan 4100 SD TM		90	1/24/2013	
Tartan 44		96	2/11/2003	
Taswell 43		102	8/6/1991	
Tatoosh 51 KTH		120	5/11/2004	
Tayana 37		174		
Tayana 47/48 TM		108	1/18/2007	
Tayana 52 AC		84	5/14/2002	
Tayana V-42		144	5/11/2006	
Taylor 32	100% hs	-24	1/26/2017	
Thunderbird		198	8/12/2003	
Ticon 34		156	4/16/1992	
Tiffany Jayne 34		132	12/15/1988	

BOAT_TYPE		RATING	DATE	DW Class Rating
Transpac 52 OS		-81	3/21/2002	
Traveller 32 ? (AKA Seafarer 31)		192	4/9/2002	
Tripp 30		222	10/12/2004	
Tripp 40 FR		45	3/16/2000	
Tripp 40 MH		45	1/26/2016	
Tsunami 43		138		
Ultimate 20	13.0' JSP	141	4/20/1995	613
Ultimate 20 CM	Carbon Mast	141	2/24/2011	
Ultimate 24 ODR	110%	111	2/18/2010	
Ultimate 30		-27	4/9/1998	
Union 36		180	4/20/1989	
Union 42		180	2/25/1993	
US 21		198	11/17/1988	
US 25		216	8/23/1990	
US 27-1		198		
Valiant 32		168	1/11/1991	
Valiant 40-1 & 2		132		
Valiant 42	SM BS	126	6/11/2002	
Valiant 47		84	3/23/1989	
Vancouver 32-2		171	2/16/1989	
Venture 21 1200# FR		228	6/7/2006	
Venture 21 1200# MH		219	6/7/2006	
Venture 21 Mk II 1500# MH		231	6/7/2006	
Venture 22-1 & 2		258	8/11/1988	
Venture 24-2		234	4/13/1989	
Venture 25		228		
Victory 21		276		
Viper 640 ODR	6' BS. RATING CANCELLED	96	1/1/2014	
Viper 830		63	4/24/2023	
Wasa 38		84	8/14/1997	
Waterline 45		108	10/28/2003	
Watkins 27		234	6/29/1989	
Wauquiez 33 Gladiatuer		150	2/13/1997	
Wauquiez 34 Victoire		156	3/6/1989	
Wauquiez 40s Centurion		72	1/10/2006	
Wauquiez 45s Centurion		57	1/27/2011	
Wauquiez 49 Centurion		72	1/15/1998	
Wavelength 24		162	11/4/1988	
Westsail 11.8M		138	8/1/1989	

BOAT_TYPE		RATING	DATE	DW Class Rating
Westsail 28		240	1/22/2024	
Westsail 32		216	3/13/1990	
Westsail 32 SM		222	1/16/1992	
Wilderness 21		222	4/13/1989	
Wilderness 30		120	1/19/1995	
Wilderness 30 SX FR IB		126	1/19/1995	
Wilderness 40		72	8/27/1990	
Willard 8/T		222		
Windward 33 (WOOD)		192	3/1/1991	
Worth 40		96	3/23/1989	
Wylie 28		162		
Wylie 34		120	9/7/1988	
Wylie 37		57	4/9/1998	
Wylie 38		69	4/9/1998	
Wylie 39		69	5/18/2000	
Wylie Wabbit		144	7/1/1999	
Wylie Wabbit ODR W/Trap		126	10/19/1995	
Wyliecat 30 IB	No NonSpin	129	9/29/2020	
Wyliecat 30 OB	No NonSpin	126	9/29/2020	653
X 4.9	udes 100%hs & powered sheet	18	3/29/2021	
X-102		114		
X-119		60	3/16/2000	
X-332-Sport		117	1/11/2005	
X-35	includes small HS	63	2/28/2022	
X-362 Classic		93	11/29/2012	
X-362 Sport		75	8/25/2011	
X-402		84	9/22/2011	
X-412		63	4/12/2001	
X-442		36	5/14/2002	
X-452		51	5/24/2021	
X-482		0	5/17/2001	
XC-38		75	2/26/2018	
XC-42	includes powered sheet winch	69	3/29/2021	
XP-38	Includes small HS	48	10/26/2020	
XP-44	HS=105%, JSP=20.4'	18	8/26/2024	
Yamaha 24		186		
Yamaha 25-2		210	8/11/1988	
Yamaha 26		192	3/7/1989	
Yamaha 29		192	11/14/1996	

BOAT_TYPE	RATING	DATE	DW Class Rating
Yamaha 30-1	162		
Yamaha 33 IK SM	159	7/1/1999	
Yamaha 33 LK	144	8/11/1988	648
Yamaha 36	132	3/16/1995	
Yankee 26	228	2/19/1988	
Yankee 30-1	174	2/15/1989	
Yankee 30-1 SM	180	3/19/1992	
Yankee 30-2	174		
Yankee 30-3	168	11/19/1992	
Yankee 38	120	4/13/1989	
Yankee Dolphin 24	270		
Yankee One Design	162	4/29/2024	
Yngling	228	8/16/2007	
Yorktown 35	186	2/20/1992	
Yorktown 39	168	4/16/1992	
Young 8.8	123	4/8/1999	
Young Sun 35	180	4/26/2012	