



South Atlantic Recreational Landings Update

LAPP/DM Branch - SERO
and SEFSC

SAFMC Meeting
St. Simons Island, GA
Mar 4-8, 2013

Notes on Landings Data

- The Council and NMFS are still in the process of converting ACLs/Quotas based on MRIP estimates; landings presented here are based on MRFSS estimates.
- Landings estimates were updated by NMFS SERO to be consistent with ACL monitoring (e.g., post-stratification of estimates) and include data through wave 6, 2012
- 2012 headboat landings are included only for black sea bass and red snapper

2012 Landings and ACLs

Species Complex	Landings (lbs)	2012 Annual Catch Limit/ Quota	Units	Percent of ACL	Closure Date
Atlantic spadefish	196,154	246,365	ww	80%	
Bar Jack	1,647	13,834	ww	12%	
Black Grouper	141,889	155,020	ww	92%	
Blue runner	580,096	1,101,612	ww	53%	
Cobia	1,012,050	1,445,687	ww	70%	
Deepwater complex ^a	85,887	332,039	ww	26%	
Dolphin	5,595,613	13,530,692	ww	41%	
Gag	156,029	340,060	gw	46%	
Golden tilefish	3,579	3,019	numbers	119%	6/8/2012
Gray triggerfish	258,718	367,303	ww	70%	
Grunts ^b	288,364	562,151	ww	51%	
Hogfish	102,245	98,866	ww	103%	
Jacks ^c	166,634	261,490	ww	64%	

* Headboat landings are not included

* Deepwater complex^a - Yellowedge grp, blueline tilefish, silk snapper, misty grp, queen snapper, sand tilefish, black snapper, blackfin snapper

* Grunts^b - White grunt, margate, sailor's choice, tomtate

* Jacks^c - Almaco jack, banded rudderfish, lesser amberjack

* MRFSS landings for gag and black grouper were post-stratified to include landings from the Florida Keys

2012 Landings and ACLs

Species Complex	Landings (lbs)	2012 Annual Catch Limit/ Quota	Units	Percent of ACL	Closure Date
Mutton snapper	393,473	768,857	ww	51%	
Porgies ^d	89,948	112,485	ww	80%	
Red Grouper	89,021	362,320	ww	25%	
Red Porgy	60,451	197,652	ww	31%	
Scamp	59,374	150,936	ww	39%	
Shallow water grouper ^e	15,485	48,329	ww	32%	
Snappers ^f	315,088	882,388	ww	36%	
Snowy grouper	1,940	523	numbers	371%	
Vermilion snapper	56,031	307,315	gw	18%	
Wahoo	1,427,462	1,427,638	ww	100%	
Wreckfish	597	11,750	ww	5%	
Yellowtail snapper	331,353	1,031,286	ww	32%	

* Headboat landings are not included

* Porgies^d Jolthead, knobbed, saucereye, whitebone, scup

* Shallow water grouper^e - Red hind, rock hind, coney, graysby, yellowfin grouper, yellowmouth grouper

* Snappers^f - Gray, lane, cubera, dog, mahogany

* MRFSS landings for mutton snapper and yellowtail snapper were post-stratified to include landings from the Florida Keys

2012 Landings and ACLs

Species Complex	Fishing Year	Landings (lbs)	2012-2013 ACL/ Quota	Units	Percent of ACL	Closure Date
Greater amberjack	May 1-Apr 30	481,833	1,167,837	ww	41%	
Black Sea Bass	Jun 1-May 31	429,642	409,000	gw	105%	Sept. 4, 2012
King Mackerel	Mar 1-Feb 28	1,476,120	6,580,000	ww	22%	
Spanish Mackerel	Mar 1-Feb 28	1,269,640	2,560,000	ww	50%	

- * Headboat landings included only for black sea bass
- * Greater amberjack landings include post-stratified MRFSS landings from Florida Keys.
- * Black sea bass landings exclude post-stratified MRFSS landings from N. of Cape Hatteras
- * King and Spanish mackerel landings from both S. Atlantic and Mid-Atlantic

Black Sea Bass Rec Landings (lbs gw)

Fishing Year	Charter	Headboat	Private	Shore	Total
04/05	123,414	194,157	588,275	2,791	908,637
05/06	76,016	127,409	463,123	1,526	668,074
06/07	75,952	176,528	405,053	3,060	660,593
07/08	52,852	102,064	354,308	4,343	513,567
08/09	38,933	88,700	272,669	1,291	401,593
09/10	87,263	177,554	255,502	4,266	524,585
10/11	60,559	183,808	246,633	1,503	492,503
11/12	78,439	178,430	231,694	2,227	490,790
12/13	65,231	98,579	261,814	3,284	428,908

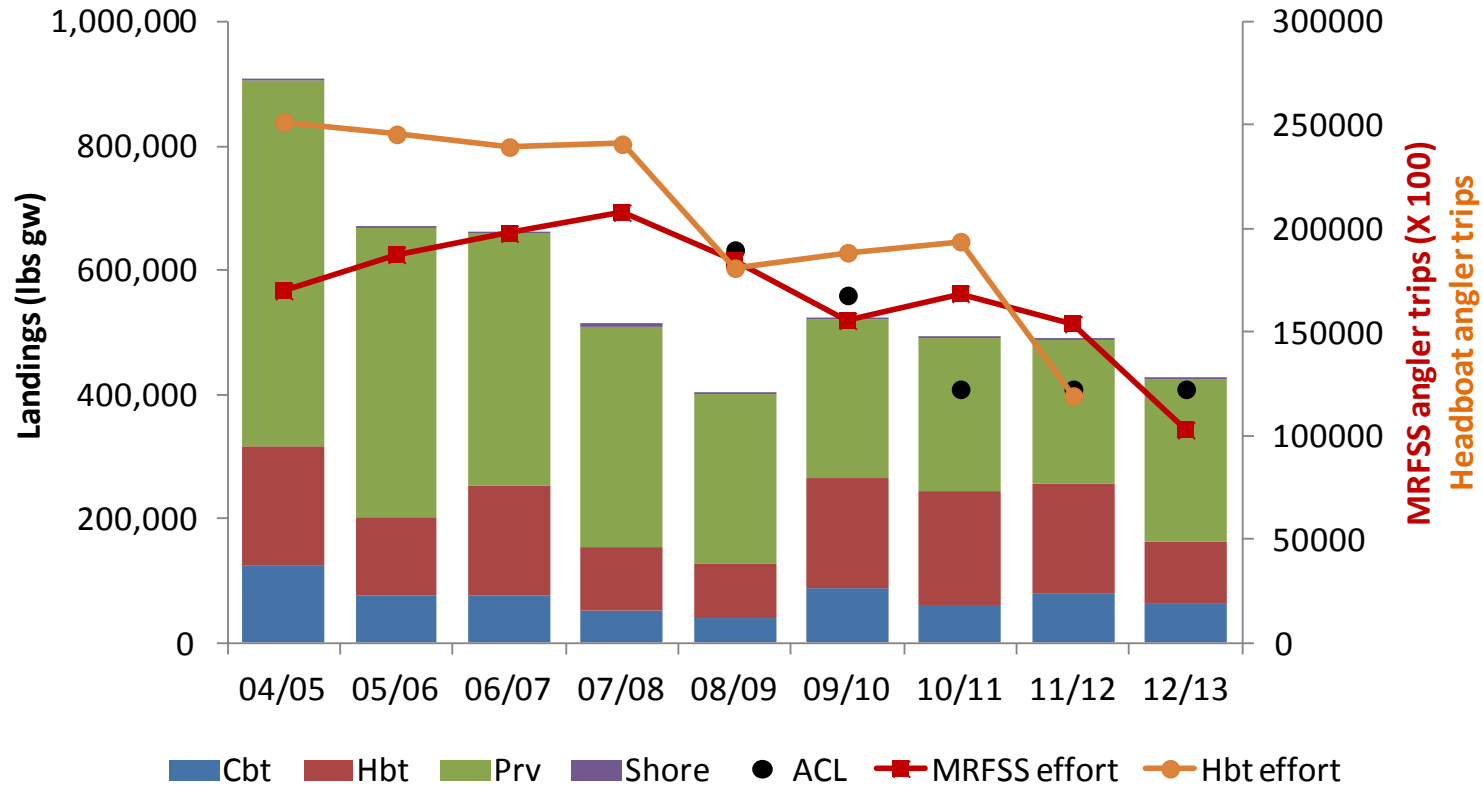
* Fishing year (Jun 1-May 31); recreational sector closed when ACL met or projected to be met.

* Area: NC to FLE (excludes post-stratified MRFSS landings N of Cape Hatteras)

* MRFSS data unweighted est. through wave 6, 2012; 2012 landings are preliminary; HBS landings are incomplete for 2012



Black Sea Bass



Gag Grouper Rec Landings (lbs gw)

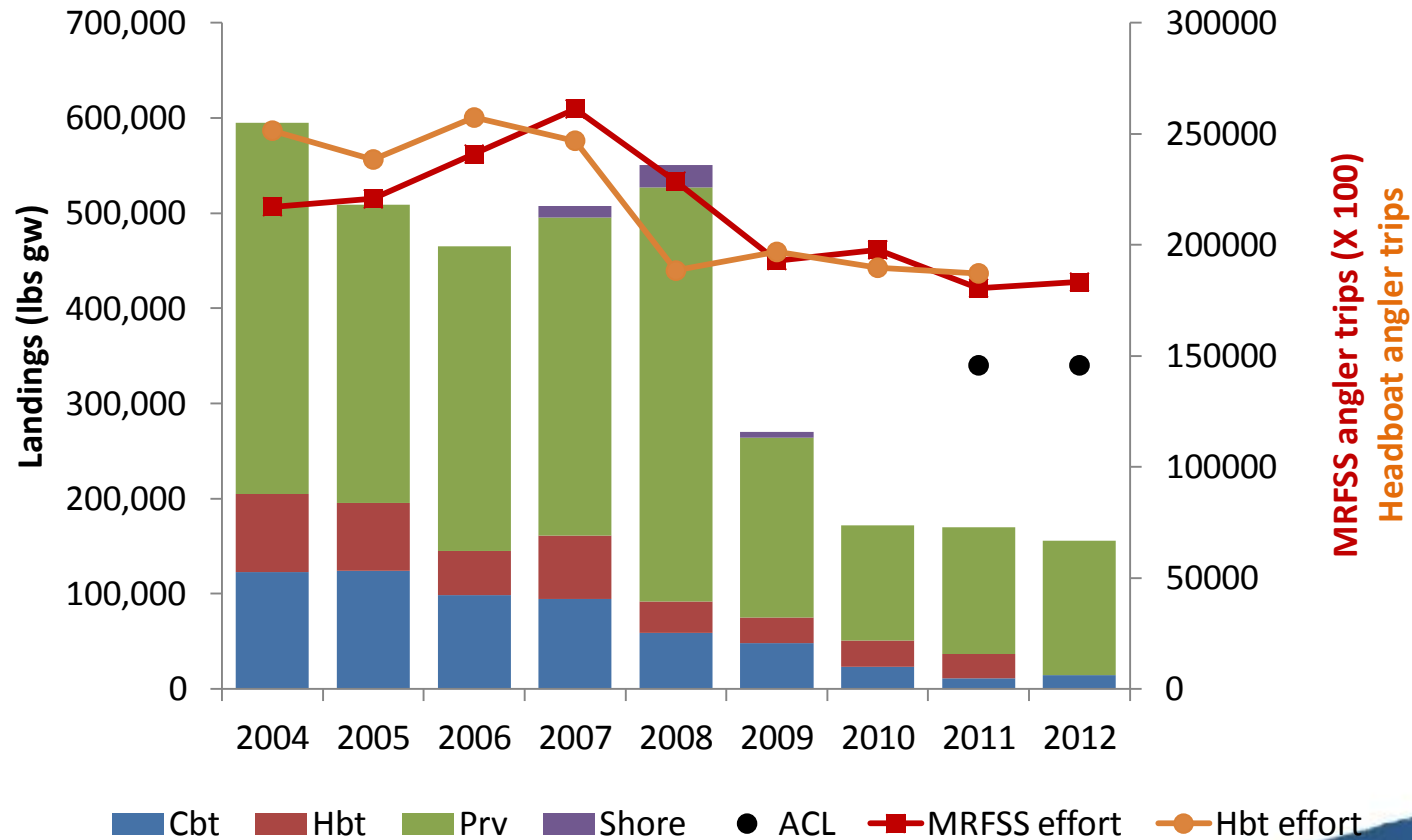
Fishing Year	Charter	Headboat	Private	Shore	Total
2004	122,600	82,477	389,601		594,678
2005	123,804	71,737	313,452		508,993
2006	98,623	46,538	319,923		465,084
2007	94,607	66,782	334,173	11,735	507,298
2008	58,671	33,140	435,252	23,453	550,516
2009	48,350	26,742	188,883	5,948	269,924
2010	23,263	27,428	121,149		171,841
2011	11,174	25,522	133,158		169,854
2012	14,695	0	141,334	0	156,029

* Area: NC to FLE (includes post-stratified MRFSS landings from Florida Keys)

* MRFSS data unweighted est. through wave 6, 2012; 2012 landings are preliminary and do not include HBS landings for 2012



Gag Grouper



Greater Amberjack Rec Landings (lbs ww)

Fishing Year	Charter	Headboat	Private	Shore	Total
04/05	438,410	76091	193,550		708,051
05/06	312,013	33739	132,358		478,110
06/07	507,704	48404	442,792		998,900
07/08	480,781	110915	511,473		1,103,169
08/09	654,052	74284	559,358		1,287,694
09/10	583,288	86987	666,726		1,337,001
10/11	428,073	75268	509,443		1,012,784
11/12	292,073	30588	247,852	28,891	599,404
12/13	231,758		250,074		481,832

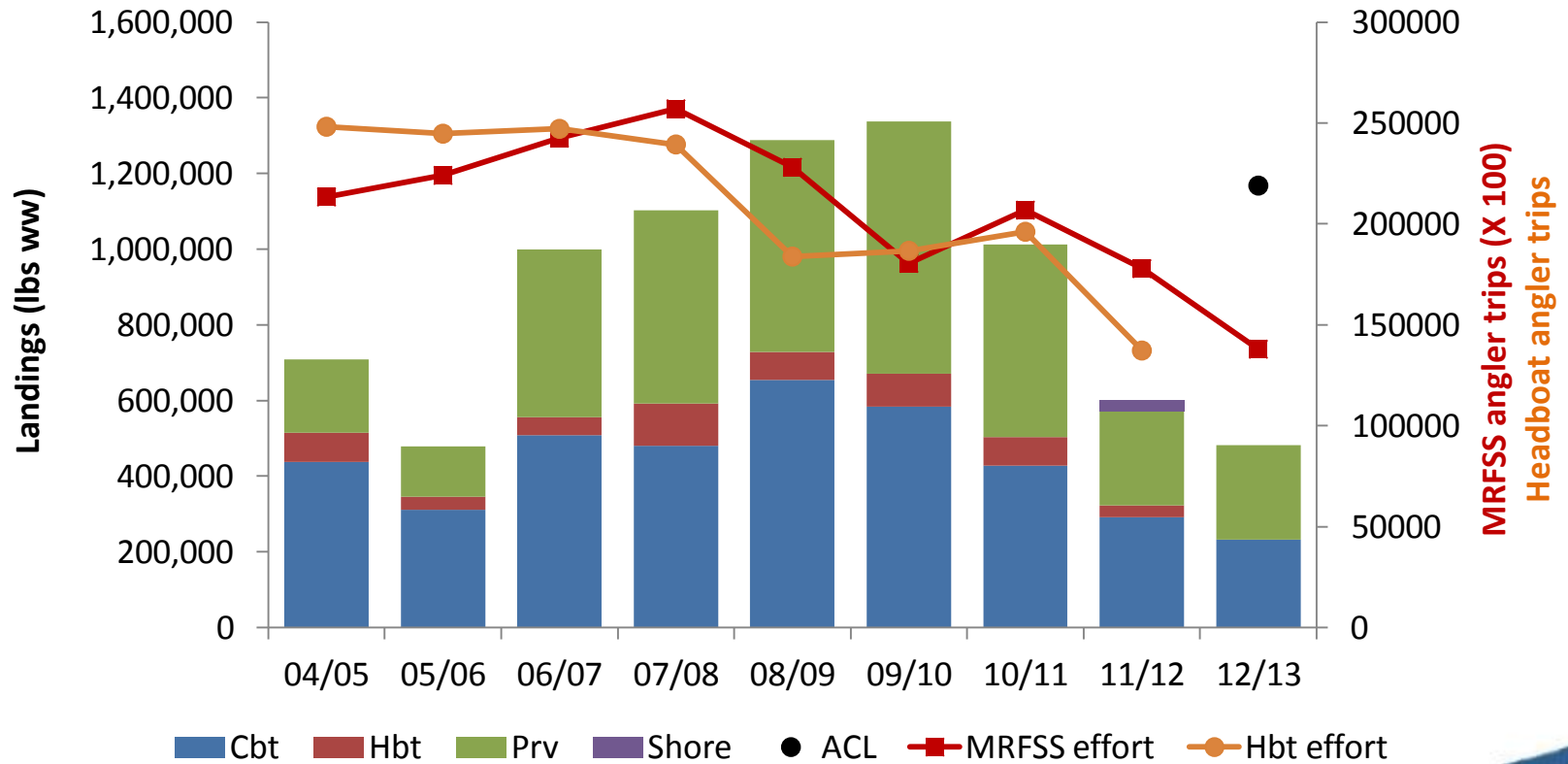
* Fishing year (May 1-Apr 30)

* Area: NC to FLE (includes post-stratified MRFSS landings from Florida Keys)

* MRFSS data unweighted est. through wave 6 2012; 2012 landings are preliminary and do not include HBS landings for 2012



Greater Amberjack



Mutton Snapper Rec Landings (lbs ww)

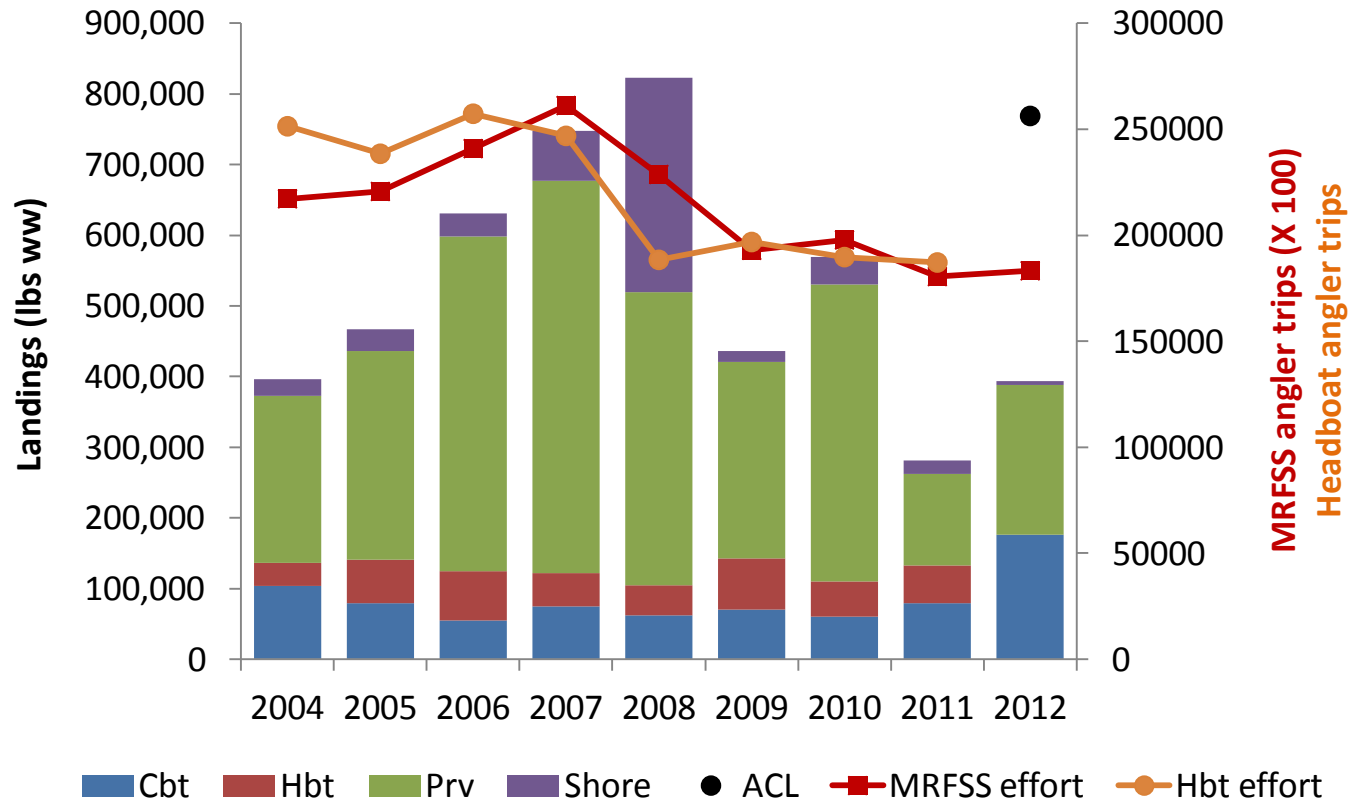
Fishing Year	Charter	Headboat	Private	Shore	Total
2004	103,665	32,304	236,521	23,720	396,210
2005	79,095	61,506	295,871	30,342	466,813
2006	54,537	70,026	473,963	32,752	631,279
2007	74,996	46,974	555,279	70,869	748,118
2008	62,337	42,220	414,994	302,969	822,520
2009	70,313	72,386	277,713	15,490	435,902
2010	60,230	49,645	420,655	38,942	569,471
2011	79,066	53,171	129,696	19,313	281,247
2012	176,488	0	211,399	5,587	393,473

* Area: NC to FLE (includes post-stratified MRFSS landings from Florida Keys)

* MRFSS data unweighted est. through wave 6 2012; 2012 landings are preliminary and do not include HBS landings for 2012



Mutton Snapper



Yellowtail Snapper Rec Landings (lbs ww)

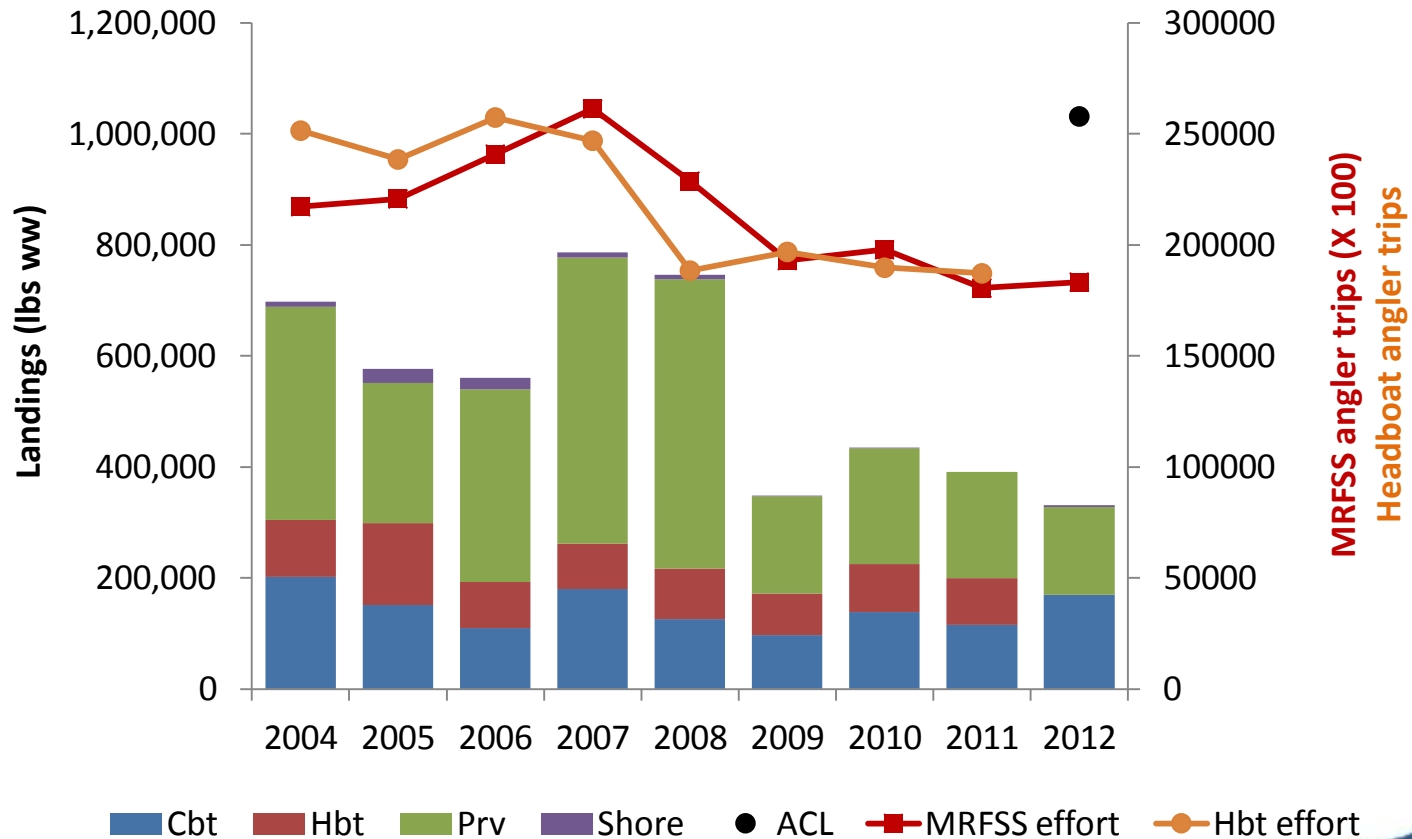
Fishing Year	Charter	Headboat	Private	Shore	Total
2004	201,399	103,518	383,631	9,511	698,058
2005	151,613	147,470	252,202	24,962	576,247
2006	109,045	83,329	347,769	20,178	560,320
2007	179,985	81,889	515,494	9,031	786,399
2008	125,889	91,142	521,504	7,778	746,313
2009	97,299	75,073	174,821	1,343	348,536
2010	138,801	85,552	208,675	1,231	434,259
2011	115,057	85,024	190,916	0	390,998
2012	169,946	0	157,797	3,609	331,351

* Area: NC to FLE (includes post-stratified MRFSS landings from Florida Keys)

* MRFSS data unweighted est. through wave 6 2012; 2012 landings are preliminary and do not include HBS landings for 2012



Yellowtail Snapper



Red Porgy Rec Landings (lbs ww)

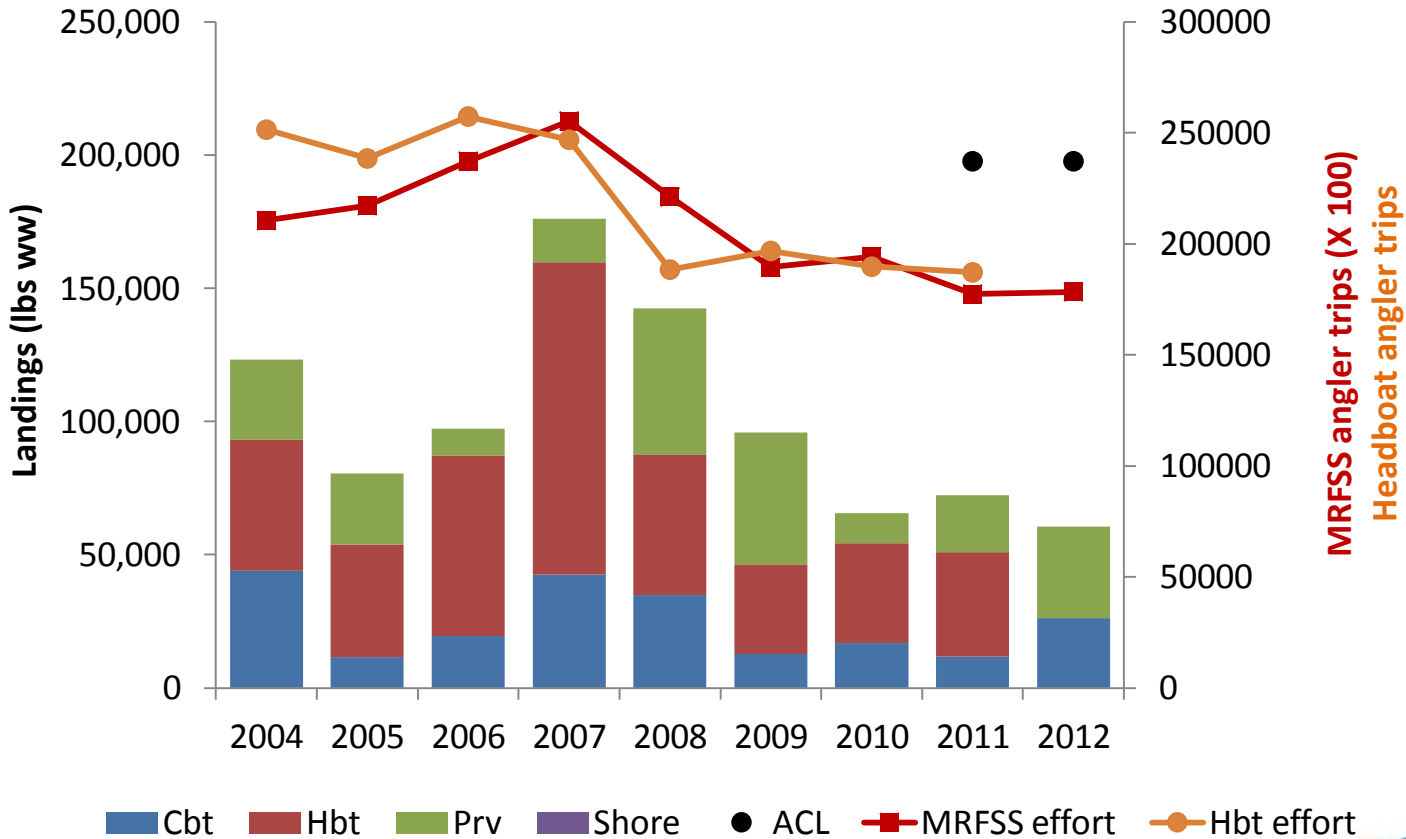
Fishing Year	Charter	Headboat	Private	Shore	Total
2004	43,881	49,308	29,931		123,120
2005	11,613	42,143	26,668		80,424
2006	19,437	67,679	10,183		97,299
2007	42,452	117,254	16,473		176,180
2008	34,806	52,598	54,961		142,365
2009	12,720	33,752	49,300		95,772
2010	16,848	37,413	11,291		65,553
2011	11,685	39,191	21,421		72,297
2012	26,294		34,157		60,452

* Area: NC to FLE

* MRFSS data unweighted est. through wave 6 2012; 2012 landings are preliminary and do not include HBS landings for 2012



Red Porgy



Vermilion Snapper Rec Landings (lbs gw)

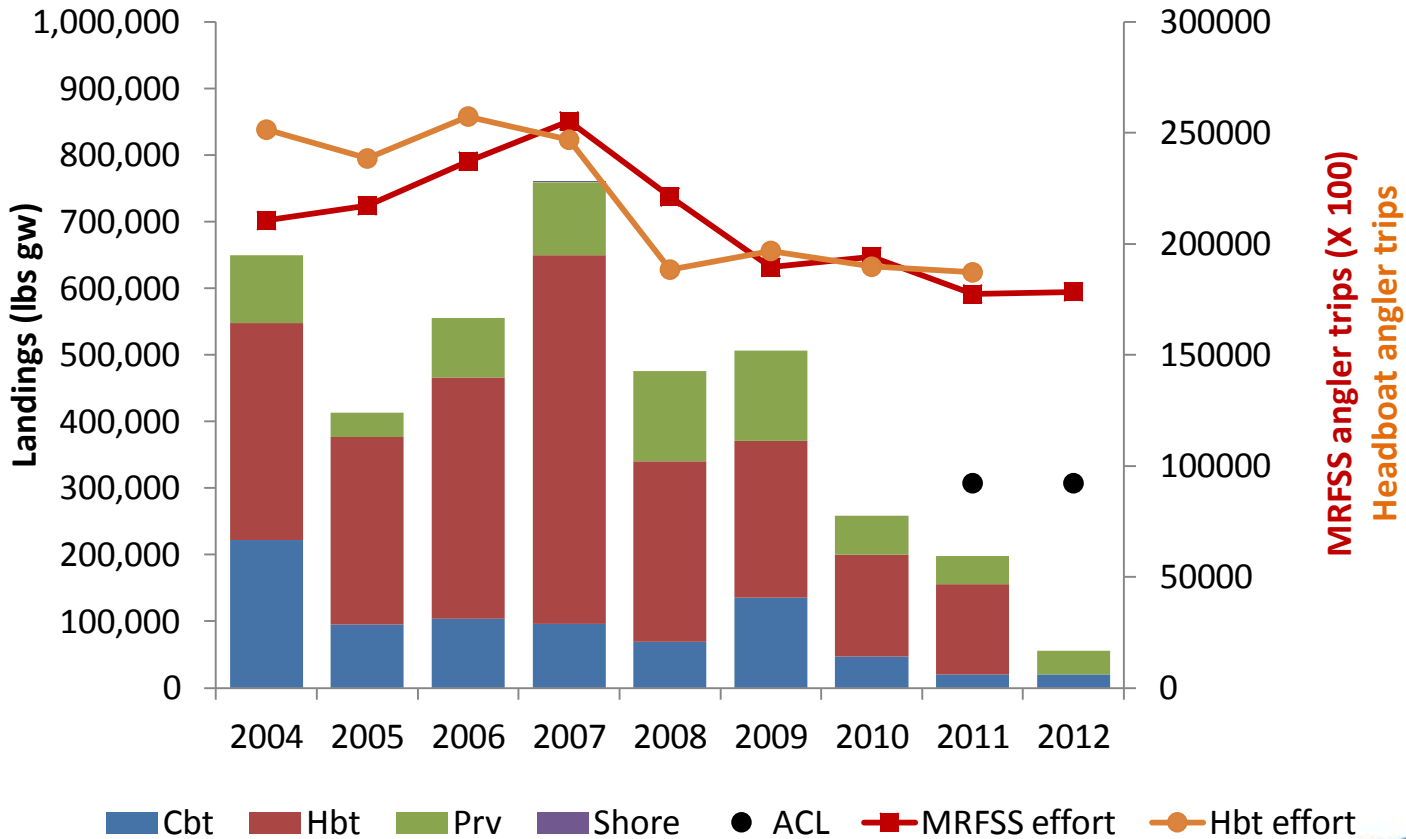
Fishing Year	Charter	Headboat	Private	Shore	Total
2004	221,669	325,731	102,278		649,679
2005	95,208	281,061	36,636		412,904
2006	103,830	362,479	88,893		555,201
2007	96,483	552,941	109,947	786	760,158
2008	69,074	271,329	134,841		475,243
2009	135,983	235,231	135,117		506,331
2010	46,802	153,026	58,466		258,293
2011	20,013	136,103	41,537		197,653
2012	20,605	0	35,426	0	56,032

* Area: NC to FLE

* MRFSS data unweighted est. through wave 6 2012; 2012 landings are preliminary and do not include HBS landings for 2012



Vermilion Snapper



Snowy Grouper Rec Landings (numbers)

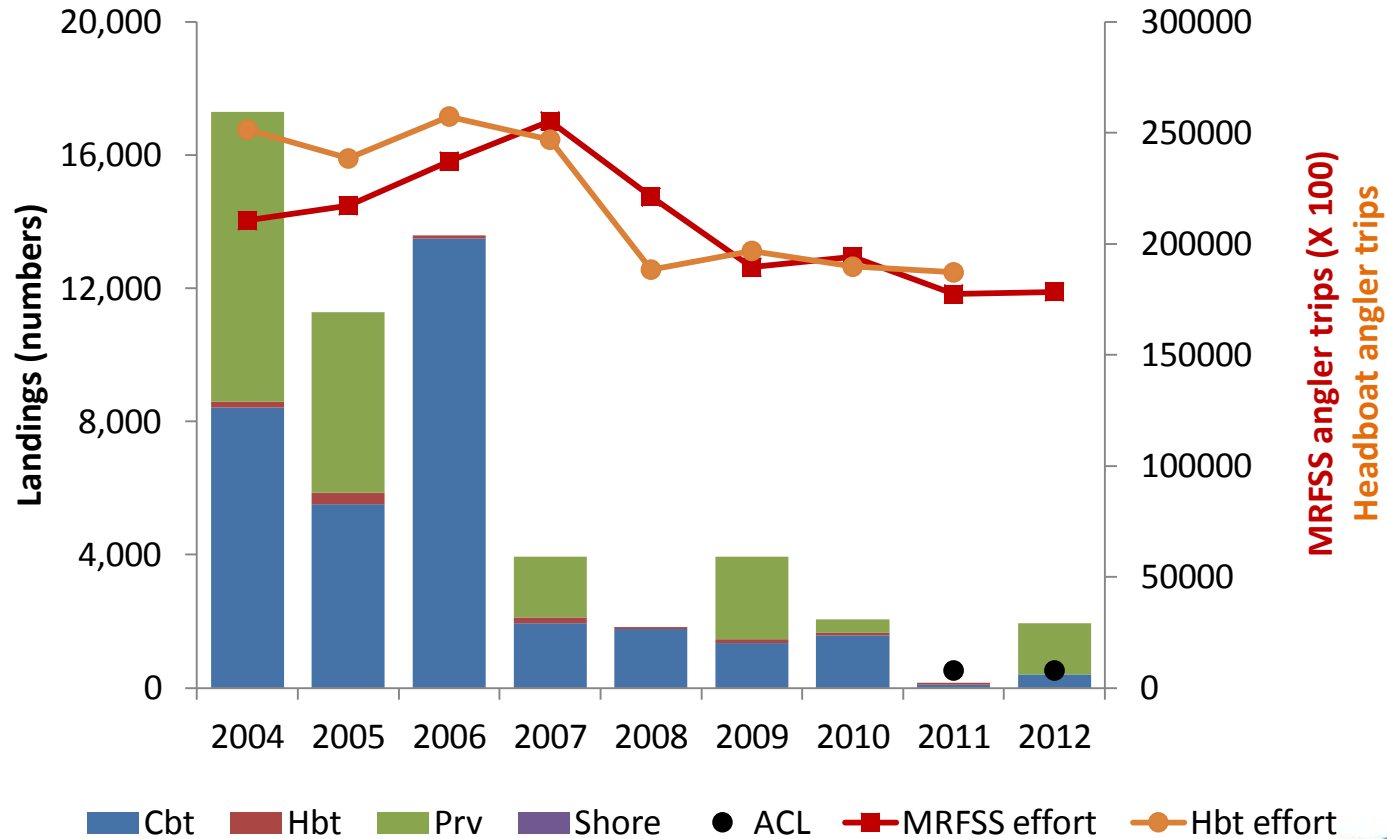
Fishing Year	Charter	Headboat	Private	Shore	Total
2004	8,410	180	8,704		17,293
2005	5,513	347	5,423		11,282
2006	13,487	97	0		13,584
2007	1,933	173	1,838		3,944
2008	1,770	53	0		1,823
2009	1,347	108	2,478		3,933
2010	1,582	77	407		2,066
2011	88	63	0		151
2012	396		1,545		1,941

* Area: NC to FLE

* MRFSS data unweighted est. through wave 6 2012; 2012 landings are preliminary and do not include HBS landings for 2012



Snowy Grouper



Golden Tilefish Rec Landings (numbers)

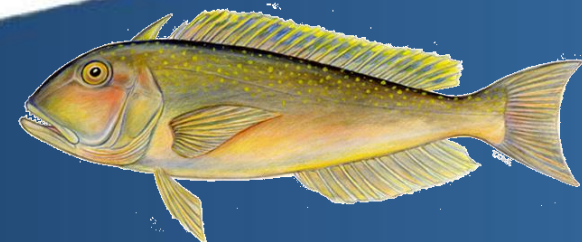
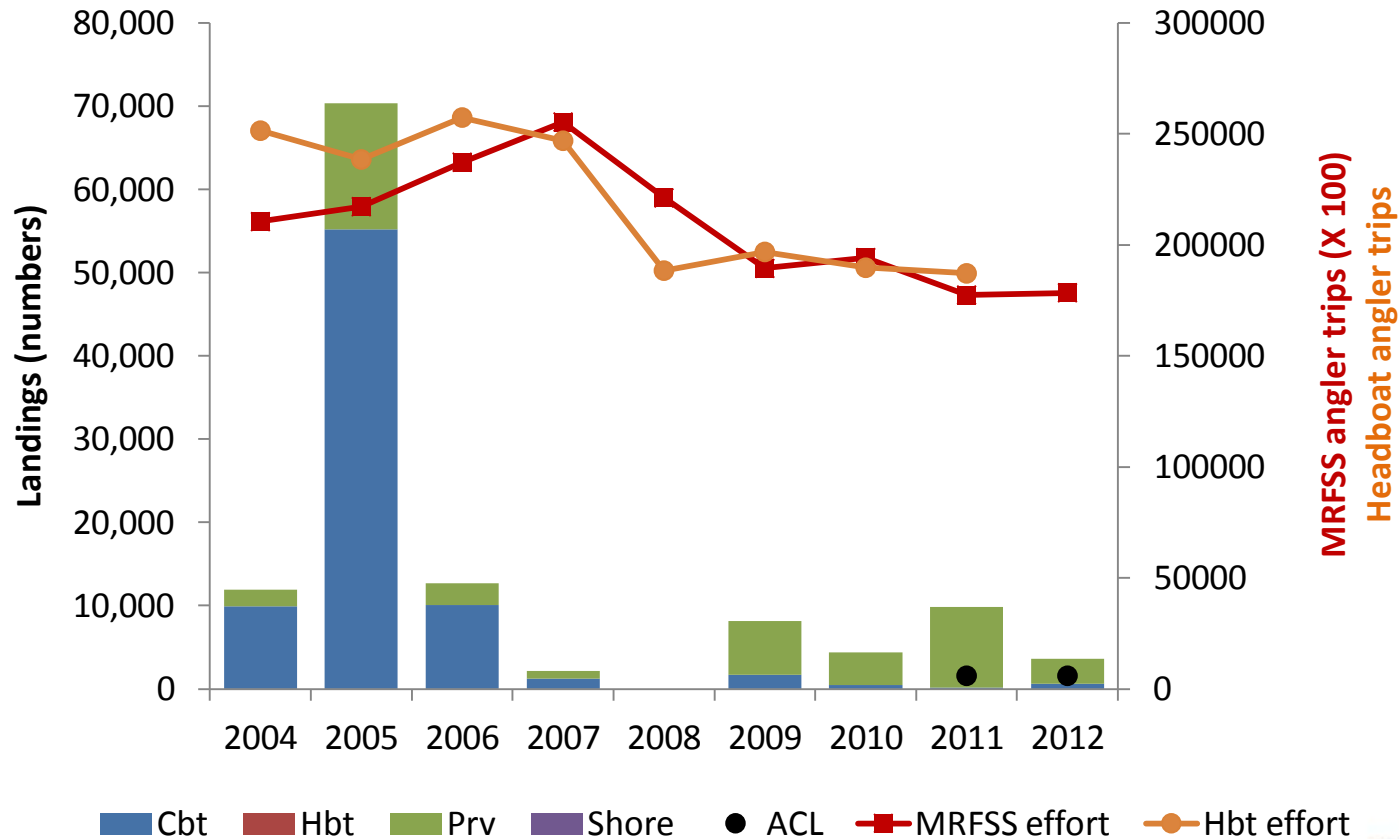
Fishing Year	Cbt	Hbt	Prv	Shore	Total
2004	9,947		1,939		11,886
2005	55,188		15,116		70,304
2006	10,063		2,659		12,723
2007	1,222		943		2,165
2008					0
2009	1,678		6,454		8,132
2010	503		3,880		4,383
2011	134		9,729		9,864
2012	621		2,958		3,579

* Area: NC to FLE

* MRFSS data unweighted est. through wave 6 2012; 2012 landings are preliminary and do not include HBS landings for 2012



Golden Tilefish



Dolphin Rec Landings (lbs ww)

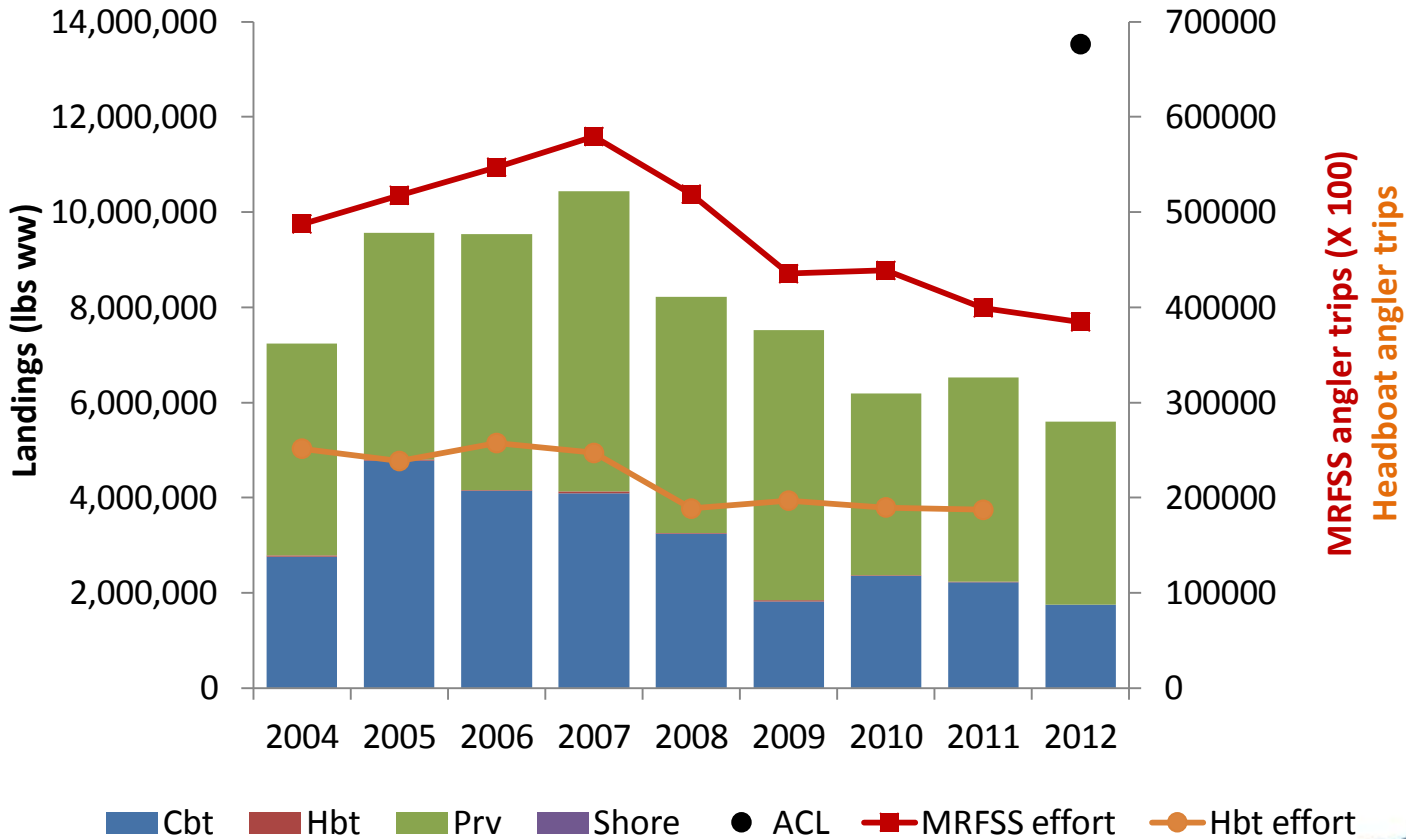
Fishing Year	Charter	Headboat	Private	Shore	Total
2004	2,755,095	27,728	4,452,548		7,235,371
2005	4,774,368	23,783	4,772,694		9,570,845
2006	4,137,957	25,903	5,370,256		9,534,116
2007	4,089,276	47,122	6,300,261		10,436,659
2008	3,246,604	12,825	4,964,915		8,224,344
2009	1,820,523	24,138	5,672,189		7,516,851
2010	2,353,472	19,442	3,814,986		6,187,899
2011	2,219,071	20,128	4,289,061		6,528,260
2012	1,744,489		3,851,123		5,595,613

* Area: New England to eFL

* MRFSS data unweighted est. through wave 6 2012; 2012 landings are preliminary and do not include HBS landings for 2012



Dolphin



Wahoo Rec Landings (lbs ww)

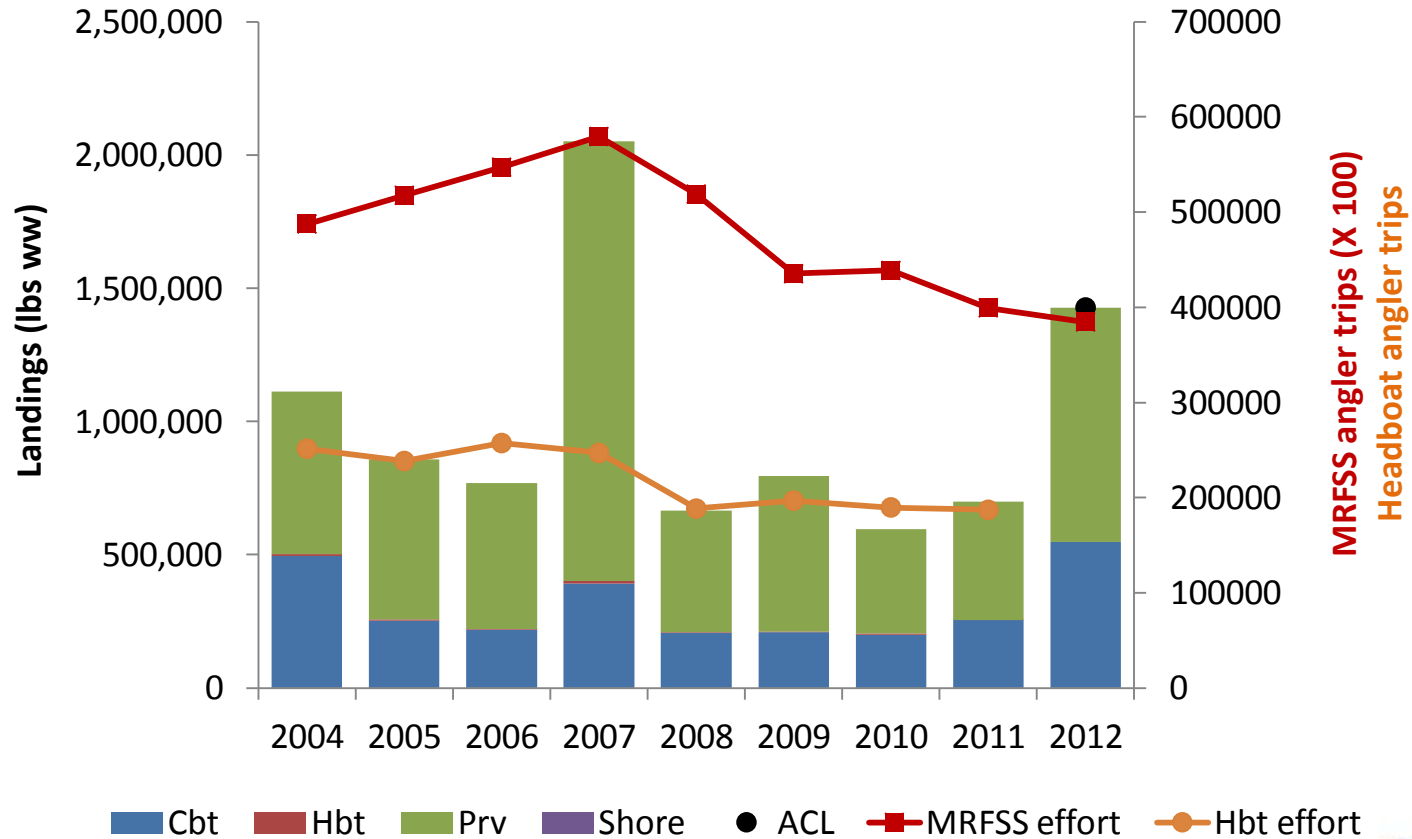
Fishing Year	Charter	Headboat	Private	Shore	Total
2004	496,012	5,216	611,024		1,112,251
2005	252,441	5,790	600,079		858,310
2006	219,287	3,001	546,314		768,602
2007	391,288	10,278	1,649,416		2,050,983
2008	206,539	2,767	457,069		666,375
2009	208,835	3,369	583,845		796,050
2010	200,407	4,606	391,958		596,970
2011	254,215	1,633	444,273		700,120
2012	546,716		880,745		1,427,462

* Area: New England to eFL

* MRFSS data unweighted est. through wave 6 2012; 2012 landings are preliminary and do not include HBS landings for 2012



Wahoo



South Atlantic King Mackerel Rec Landings (lbs ww)

Fishing Year	Charter	Headboat	Private	Shore	Total
04/05	1,300,552	197,413	3,723,278	36,926	5,258,168
05/06	1,150,103	228,507	3,062,884	16,185	4,457,679
06/07	880,853	194,354	3,919,647	132,324	5,127,178
07/08	969,677	249,503	5,787,721	121,645	7,128,545
08/09	534,312	121,395	3,559,288	13,250	4,228,245
09/10	862,781	171,955	3,286,056	73,222	4,394,015
10/11	359,488	153,920	2,127,492	51,871	2,692,771
11/12	183,192	67,984	1,542,094	29,018	1,822,288
12/13	356,421		974,051	145,648	1,476,120

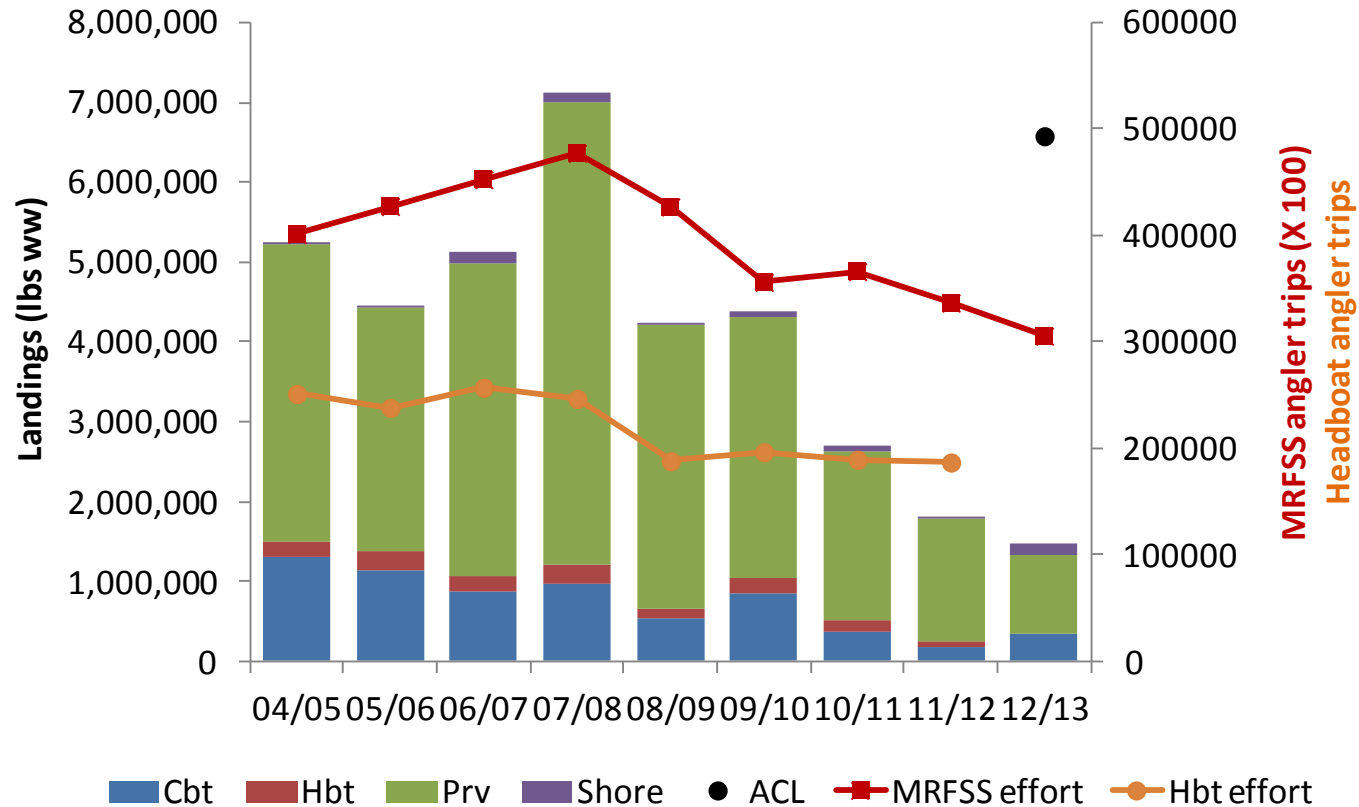
* Area: NY to eFL

* Fishing year - Mar 1-Feb 28

* MRFSS data unweighted est. through wave 6 2012; 2012 landings are preliminary and do not include HBS landings for 2012



South Atlantic King Mackerel



Gulf of Mexico King Mackerel Rec Landings (lbs ww)

Fishing Year	Cbt	Hbt	Prv	Shore	Total
04/05	719,465	186,724	1,452,119	170,149	2,528,457
05/06	716,563	202,851	1,429,346	646,955	2,995,716
06/07	1,042,175	198,318	1,788,621	276,453	3,305,567
07/08	793,048	161,621	1,538,197	133,662	2,626,527
08/09	774,238	163,241	1,212,866	202,165	2,352,510
09/10	978,542	204,212	1,294,980	1,046,043	3,523,777
10/11	529,972	160,391	975,348	517,270	2,182,980
11/12	792,290	100,536	1,000,242	459,607	2,352,675
12/13	484,877		814,712	568,719	1,868,308

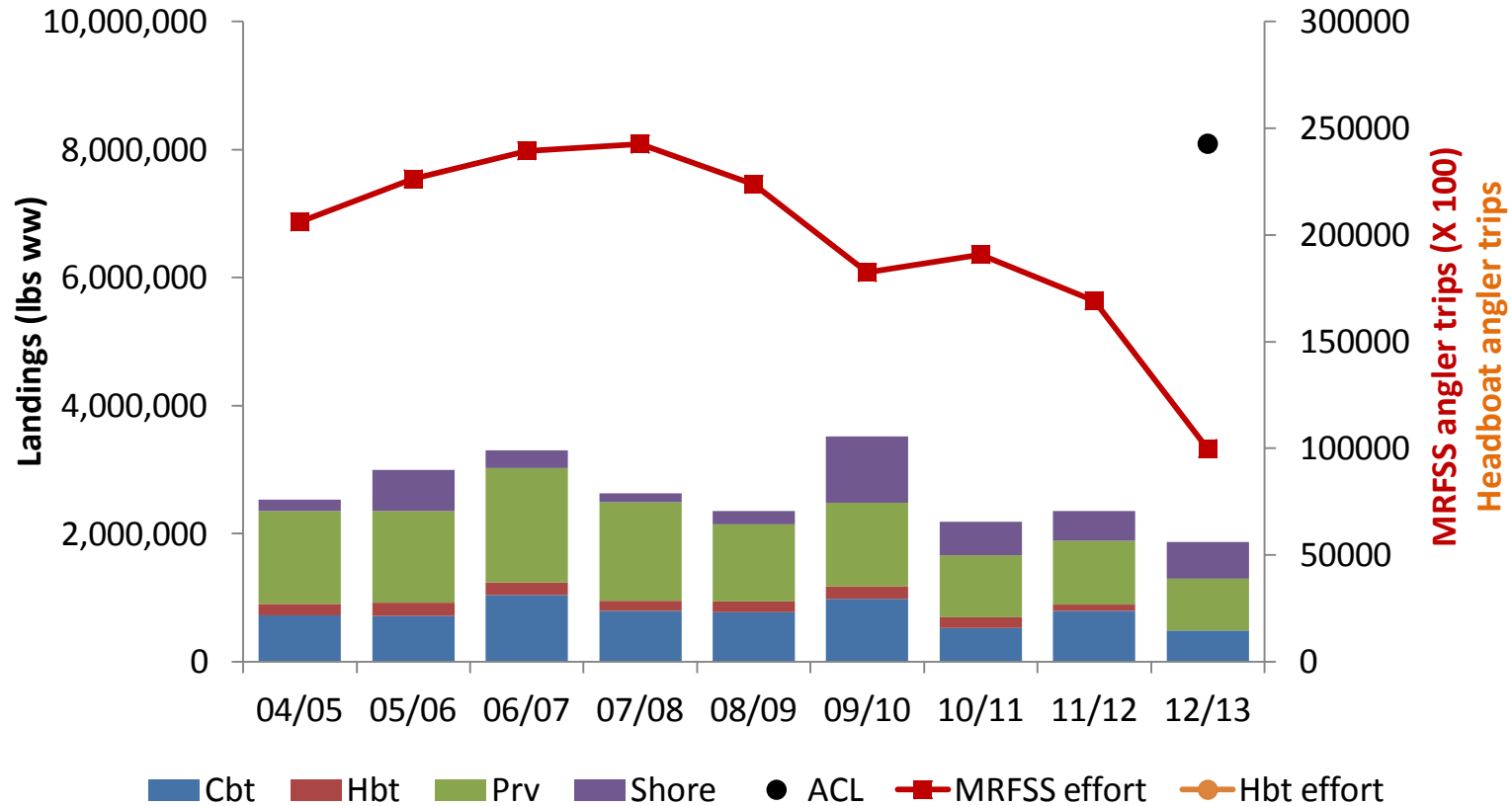
* Area: FL-TX

* Fishing year – Jul 1-Jun 30

* MRFSS data unweighted est. through wave 6 2012; 2012 landings are preliminary and do not include HBS landings or high-use TPWD landings for 2012



Gulf of Mexico King Mackerel



* MRFSS effort and landings for 2012/13 are incomplete;
only includes data from July 1-Dec 31, 2012



South Atlantic Spanish Mackerel Rec Landings (lbs ww)

Fishing Year	Charter	Headboat	Private	Shore	Total
2004	122,254	16,198	970,888	250,019	1,359,360
2005	111,309	11,371	1,119,376	406,235	1,648,291
2006	102,349	5,333	1,199,097	346,635	1,653,414
2007	51,390	6,789	1,270,393	381,703	1,710,276
2008	287,324	8,190	1,336,580	414,713	2,046,806
2009	288,267	10,905	1,343,585	464,456	2,107,213
2010	97,265	7,040	1,177,155	482,180	1,763,640
2011	75,509	18,647	699,232	436,947	1,230,335
2012	89,792		724,491	455,358	1,269,641

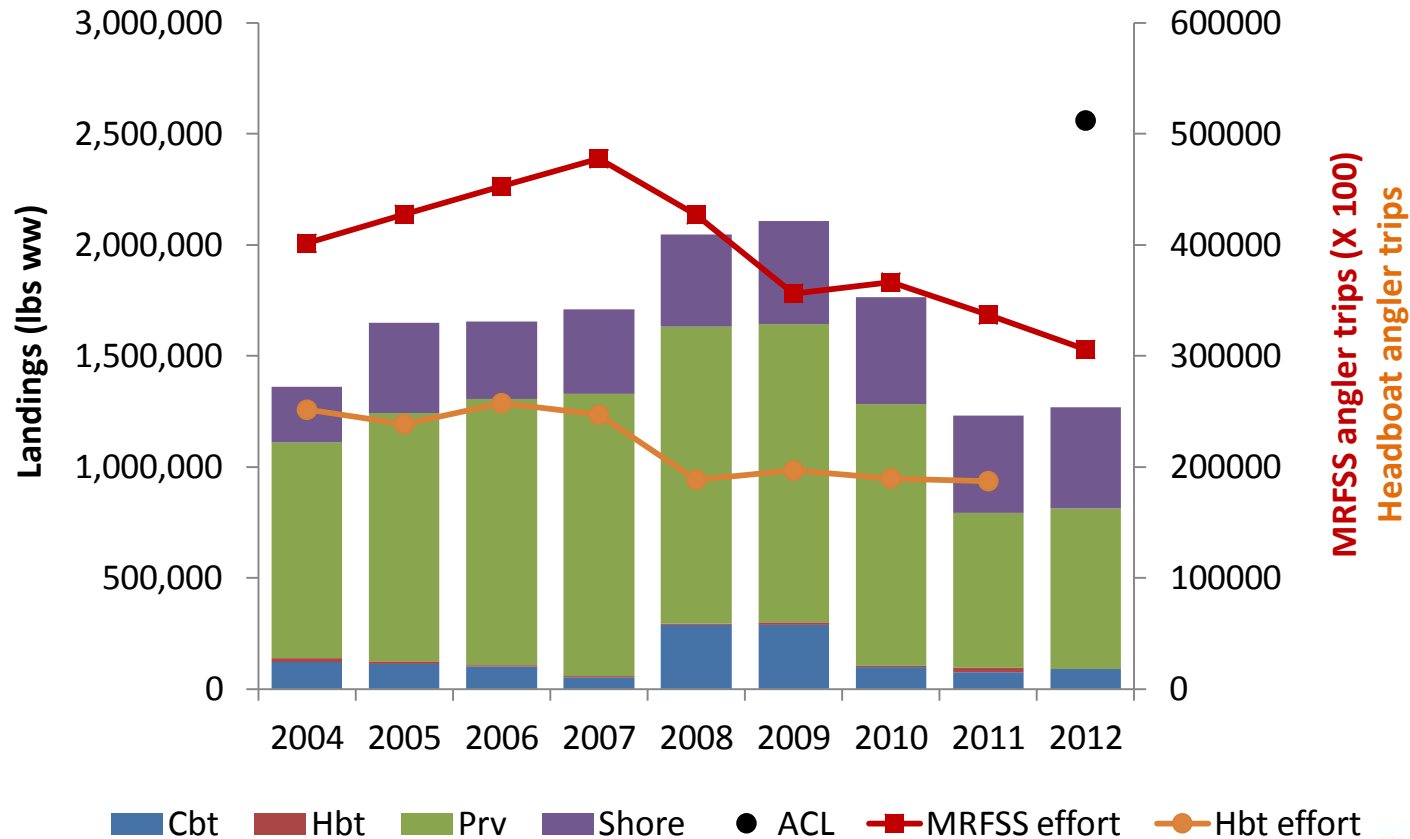
* Area: NY to eFL

* Fishing year - Mar 1-Feb 28

* MRFSS data unweighted est. through wave 6 2012; 2012 landings are preliminary and do not include HBS landings for 2012



South Atlantic Spanish Mackerel



Gulf of Mexico Spanish Mackerel

Rec and Comm Landings (lbs ww)

Fishing Year	Cbt	Hbt	Prv	Shore	Comm	Total
04/05	208,315	555	1,205,144	1,251,254	1,958,155	2,665,269
05/06	166,348	889	835,719	592,420	888,379	2,483,754
06/07	255,098	1,097	1,522,330	1,066,822	1,472,307	2,845,347
07/08	298,606	1,877	1,102,709	1,321,564	863,871	2,724,757
08/09	292,039	1,425	1,400,277	831,702	2,273,248	2,525,443
09/10	198,824	1,195	978,164	711,959	916,614	1,890,143
10/11	312,283	2,034	1,289,400	1,360,622	1,219,484	2,964,339
11/12	429,356	9,612	749,924	1,488,996	883,595	3,561,483
12/13	359,217		786,133	1,681,056	1,219,161	4,045,567

* Area: wFL-TX

* Fishing year - Mar 1-Feb 28

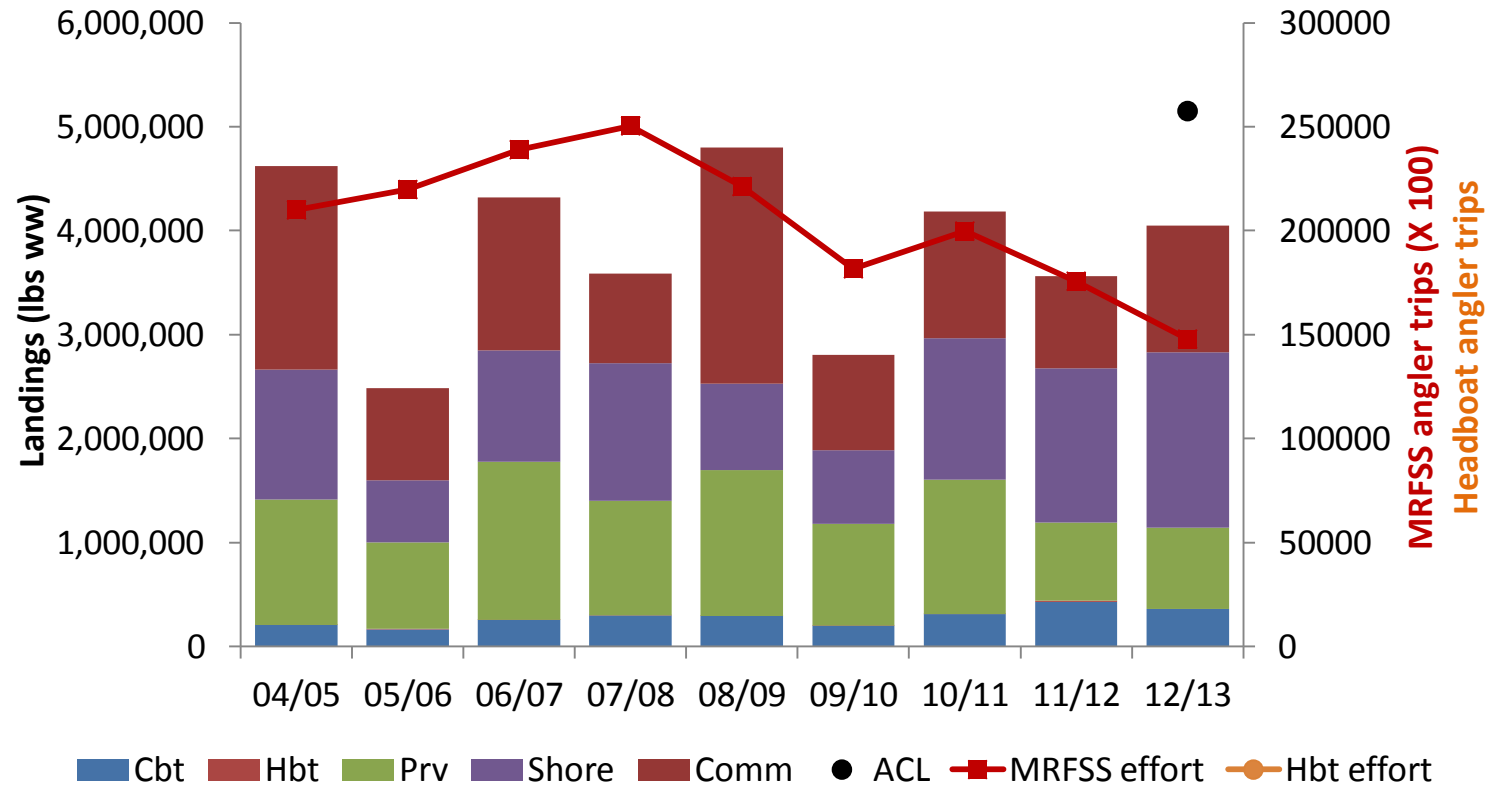
* MRFSS data unweighted est. through wave 6 2012; 2012 landings are preliminary and do not include HBS landings or high-use TPWD landings for 2012

* MRFSS effort incomplete for 2012/2013 season; includes Apr 1-Dec 31 only

* Comm landings from SEFSC ACL database 2004-2011
and from quota monitoring in 2012



Gulf of Mexico Spanish Mackerel



* Combined ACL for commercial and recreational



South Atlantic Cobia

Rec Landings (lbs ww)

Fishing Year	Cbt	Hbt	Prv	Shore	Total
2004	312,585	22,158	874,281	0	1,209,023
2005	120,869	36,343	578,518	57,351	793,082
2006	155,792	22,297	674,027	26,278	878,393
2007	72,263	38,186	853,619	0	964,067
2008	125,452	36,031	878,582	18,475	1,058,540
2009	56,074	27,756	498,602	86,116	668,548
2010	175,541	41,654	1,414,109	41,157	1,672,462
2011	321,558	31,409	1,016,342	87,102	1,456,410
2012	122,271		857,010	32,769	1,012,050

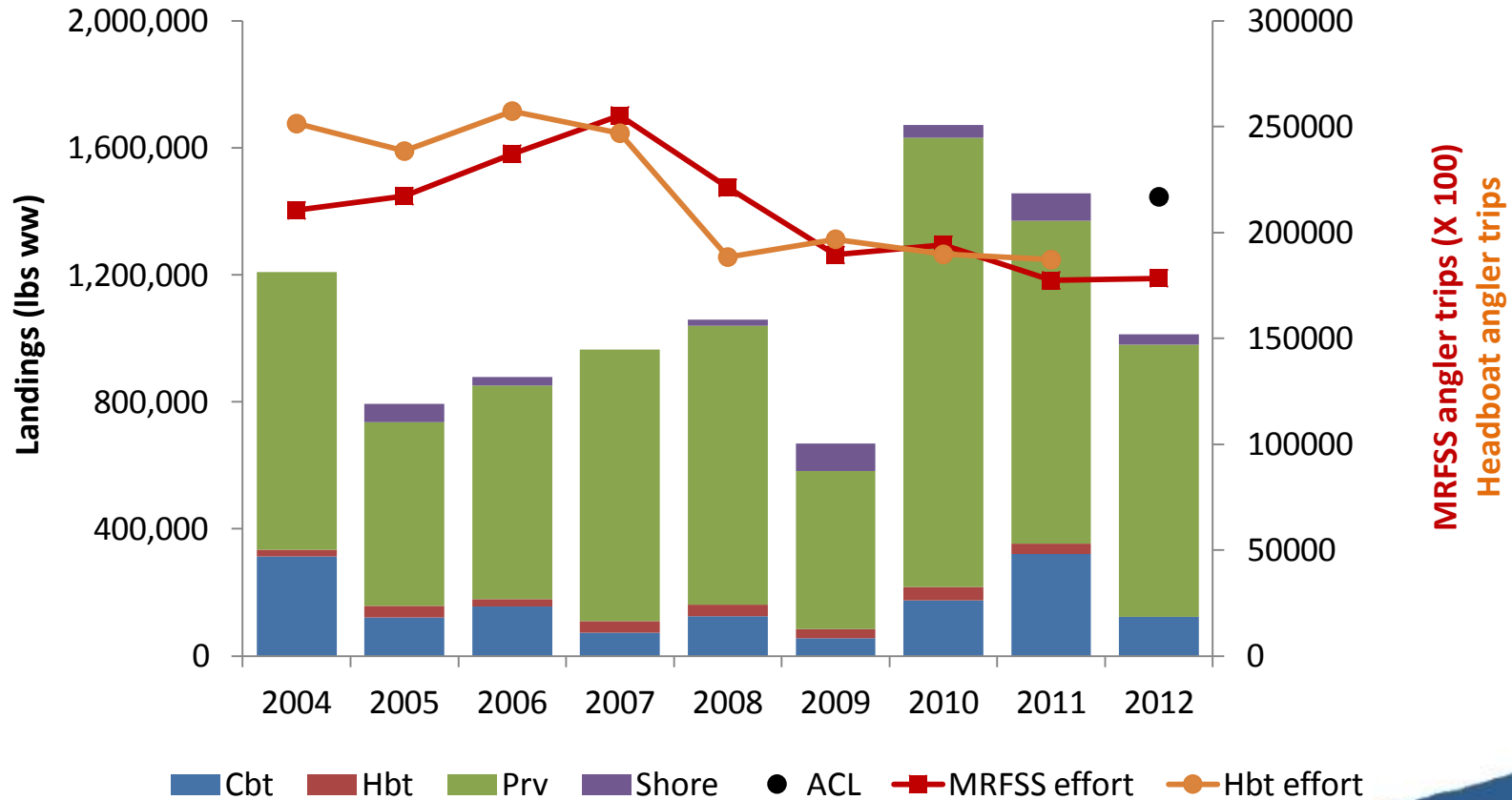
* Area: eFL-NC

* Fishing year – Jan 1-Dec 31

* MRFSS data unweighted est. through wave 6 2012; 2012 landings are preliminary and do not include HBS landings



South Atlantic Cobia



Gulf of Mexico Cobia

Rec and Comm Landings (lbs ww)

Fishing Year	Cbt	Hbt	Prv	Shore	Comm	Total
2004	370,508	13,333	887,285	19,534	101,193	1,290,659
2005	256,217	13,726	936,196	37,609	87,481	1,331,229
2006	182,896	17,745	843,545	80,712	81,556	1,124,898
2007	278,072	21,192	763,649	0	73,171	1,062,913
2008	271,351	16,790	613,346	85,248	68,194	986,736
2009	114,102	24,481	470,396	0	61,840	608,979
2010	71,789	17,773	421,437	81,871	82,139	592,870
2011	130,431	14,368	831,477	29,246	68,648	1,074,169
2012	146,146		734,273	21,779	49,732	951,930

* Area: wFL-TX

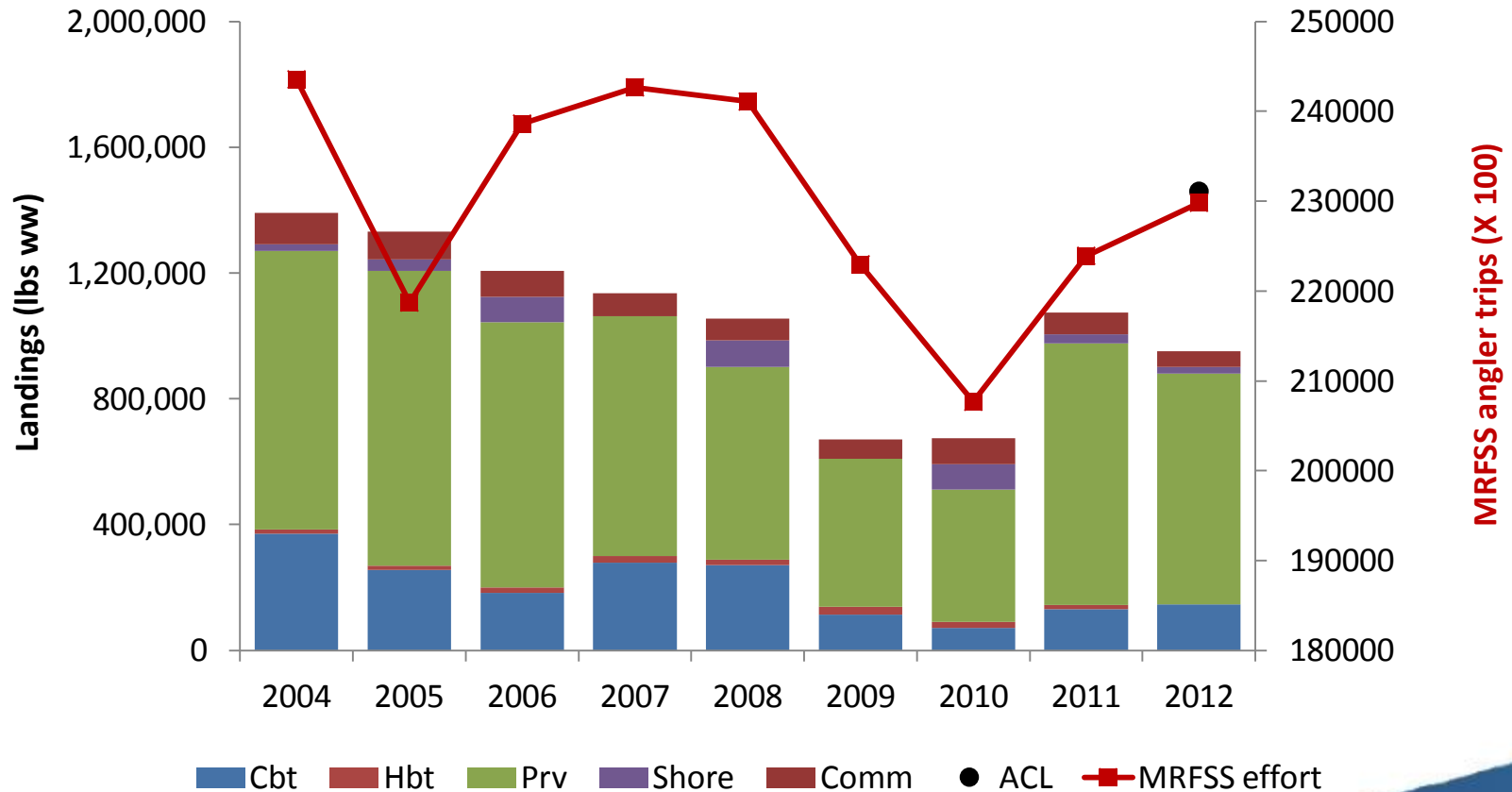
* Fishing year – Jan 1-Dec 31

* MRFSS data unweighted est. through wave 6 2012; 2012 landings are preliminary and do not include HBS landings or high-use TPWD landings

* Comm landings from SEFSC ACL database 2004-2011 and from quota monitoring in 2012



Gulf of Mexico Cobia



2012 Red Snapper Rec Landings (numbers)

Sept 14-16 and Sep 21-23

State	Charter	Private	Headboat	Total	Rec ACL
Florida	984 ¹	7,479 ¹	1,560 ²	10,104	
Georgia	57 ³	24 ⁴			
South Carolina	13 ⁵	34 ⁶	6 ²	53	
North Carolina	31 ⁷	2 ⁷	61 ²	94	
Total	1,085	7,549	1,627	10,251	9,399

¹ Sauls et al. 2013. South Atlantic Red Snapper (*Lutjanus campechanus*) monitoring in Florida for the 2012 season. Florida FWC, St. Petersburg, Florida. 73 pp.

² K. Brennan, pers. comm., SE Headboat Survey preliminary 2012 estimates

³ K. Knowlton, pers. comm., charter phone surveys

⁴ K. Knowlton, pers. comm., carcasses sampled or fish observed, no estimate of landings

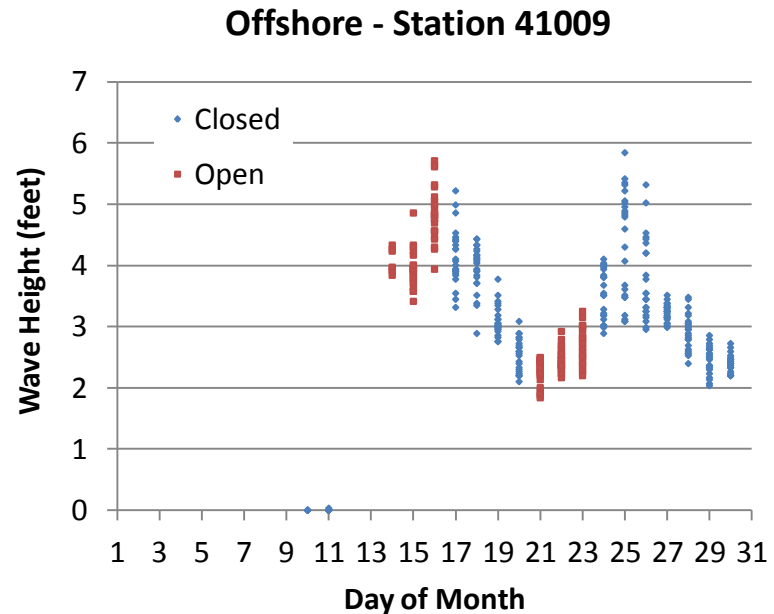
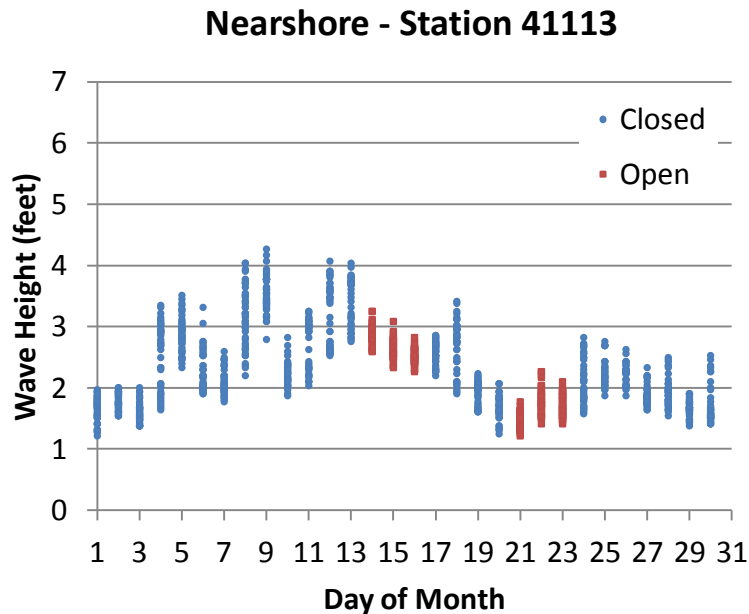
⁵ M. Bell, pers. comm., charter logbooks

⁶ M. Bell, pers. comm., private rec carcasses sampled only, no estimate of landings

⁷ M. Duval, pers. comm., carcasses sampled or fish observed, no estimate of landings



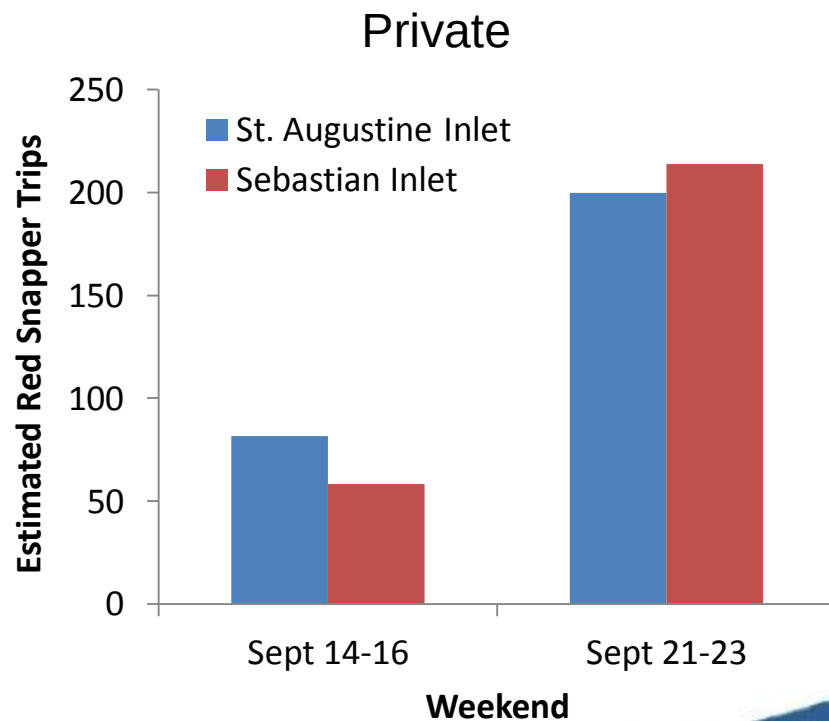
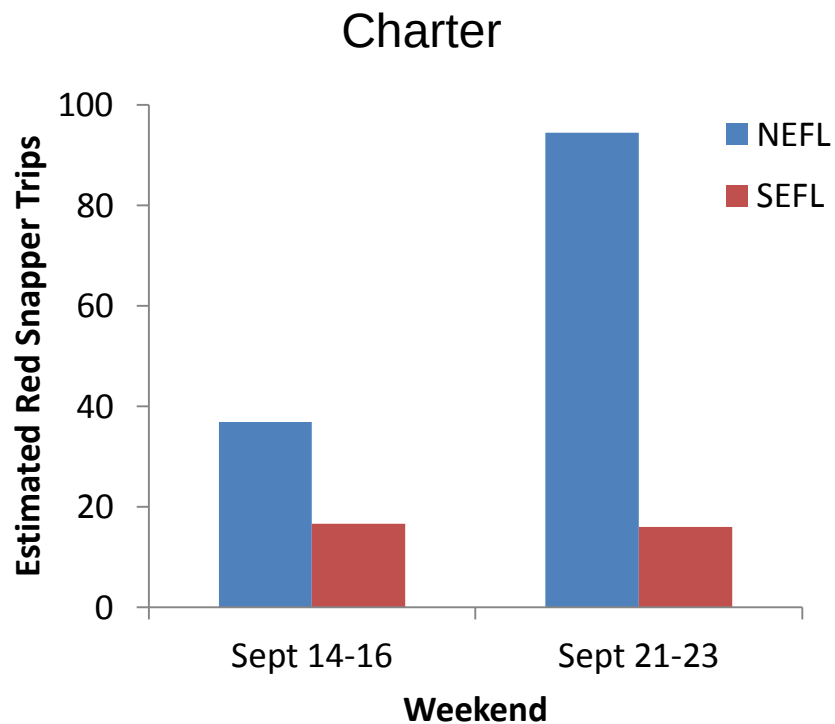
Wave Heights off Florida During Red Snapper Weekend Openings



Sources: Sauls et al. (2013)



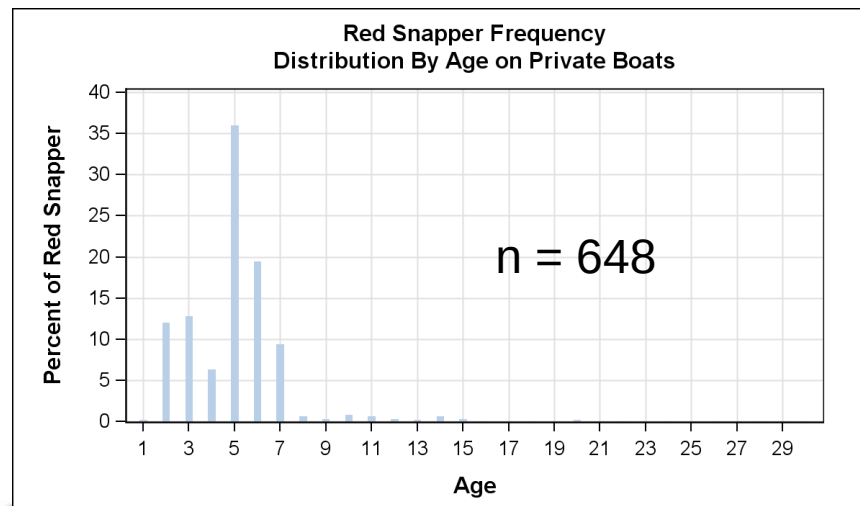
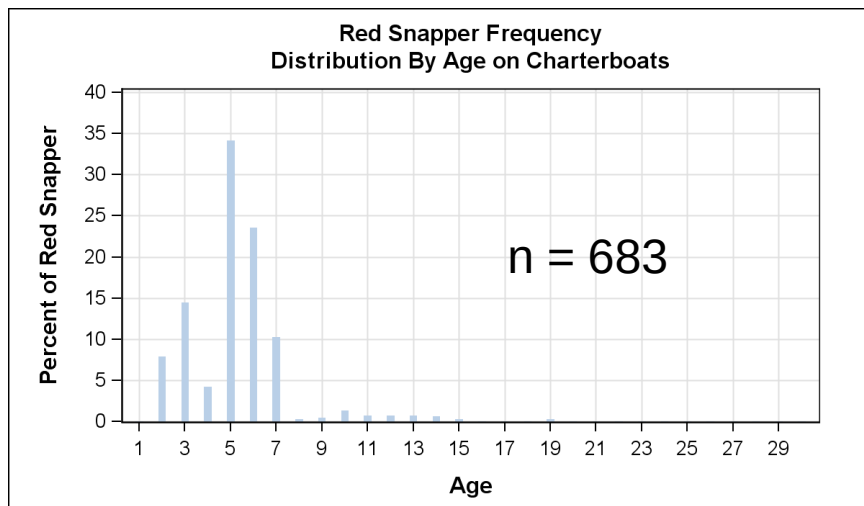
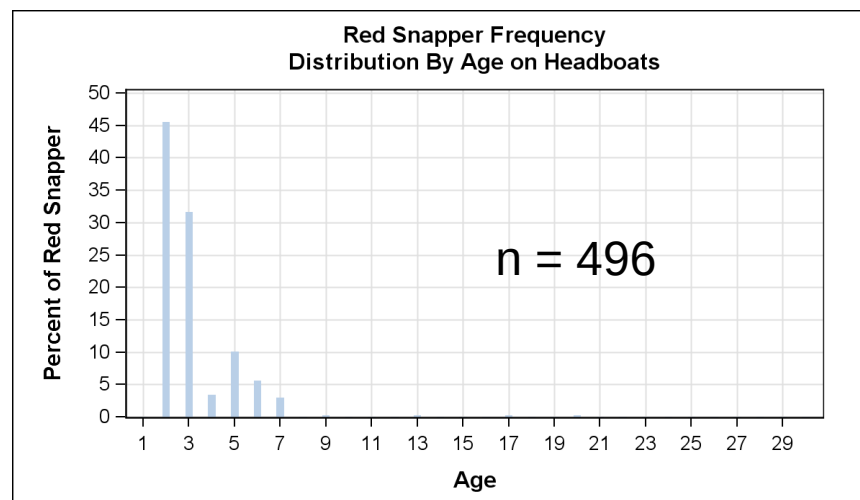
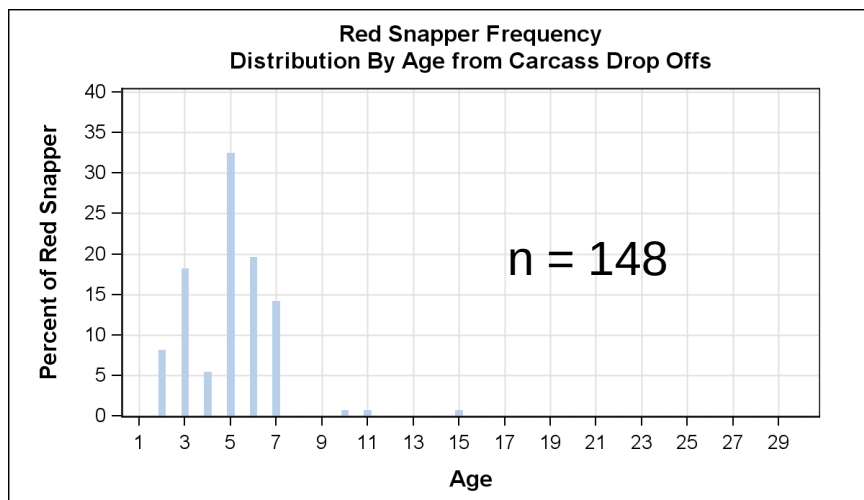
2012 Estimated Red Snapper Fishing Trips by Weekend and Mode off Florida



Sources: Sauls et al. (2013)



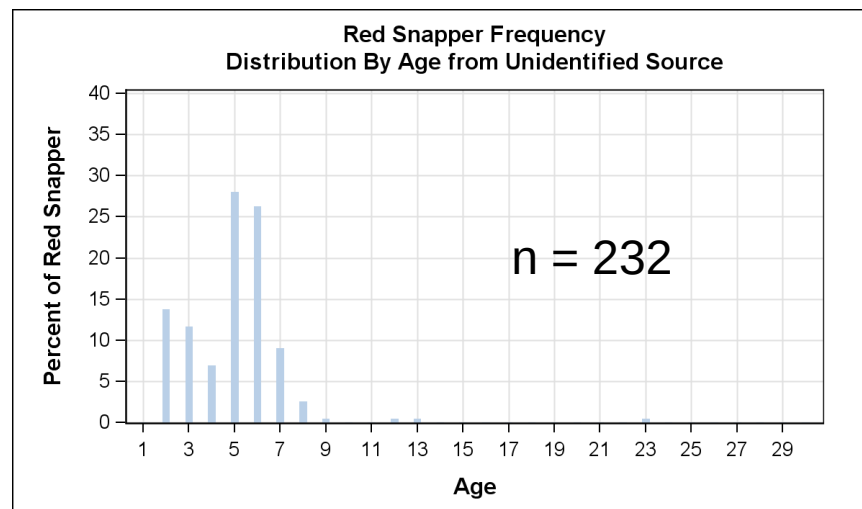
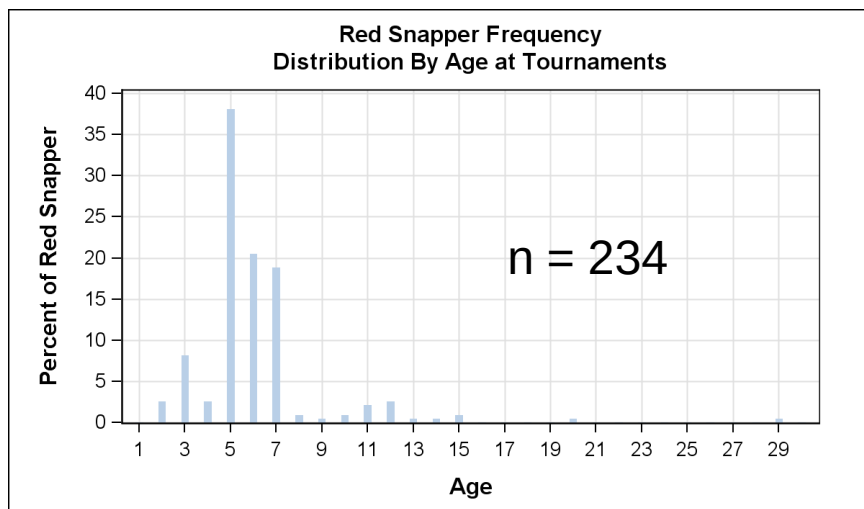
2012 Age-Frequencies of Red Snapper Sampled by Florida FWC



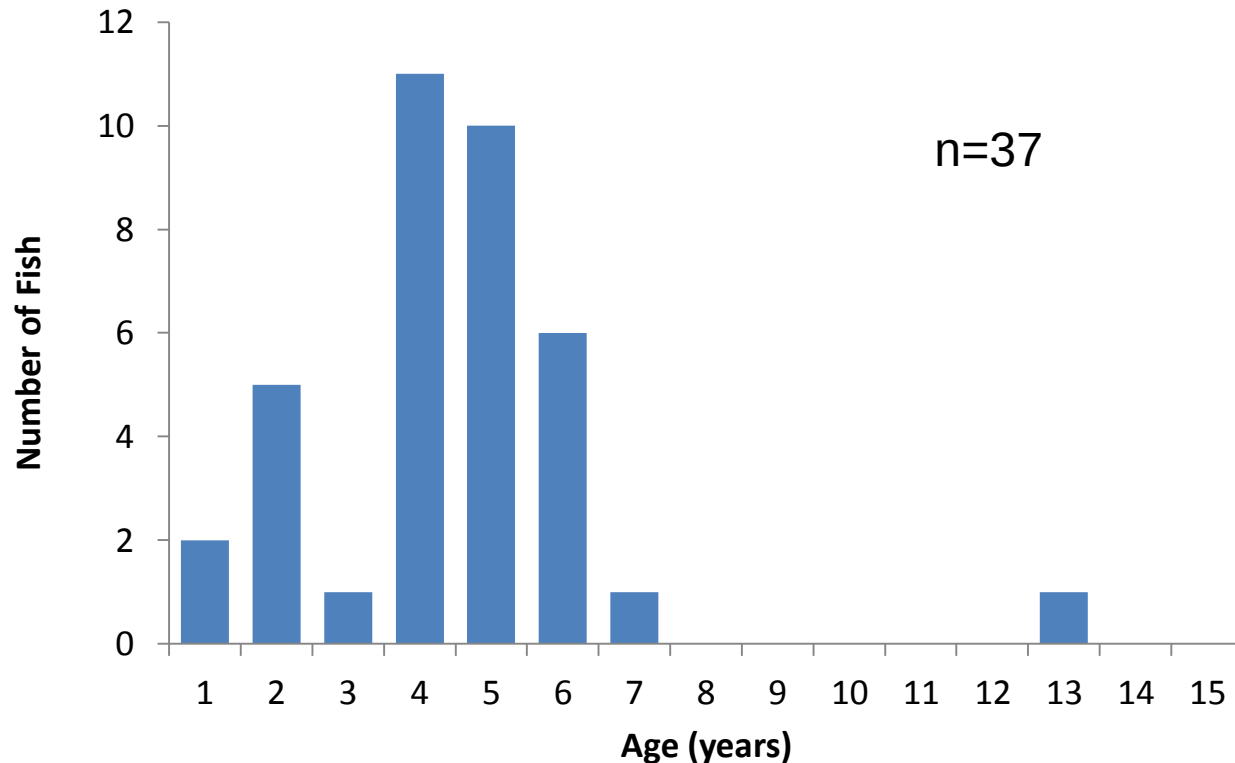
Source: Sauls et al. (2013)



2012 Age-Frequencies of Red Snapper Sampled by Florida FWC



2012 Age-Frequencies of Red Snapper Sampled by South Carolina DNR



Sources: B. White, pers. comm. (2013)



Red Snapper Rec Landings (lbs gw)

Fishing Year	Charter	Headboat	Private	Shore	Total
2004	117,048	72,386	155,979		345,414
2005	105,150	52,878	125,713		283,741
2006	92,431	37,326	125,155		254,912
2007	69,091	33,747	219,595		322,434
2008	136,925	103,881	481,868	6,276	728,951
2009	201,405	127,104	581,681	8,718	918,909
2010	202	2,351			2,553
2011		7,802		5,011	12,813
2012	10,022		46,893		56,915

← MRFSS only

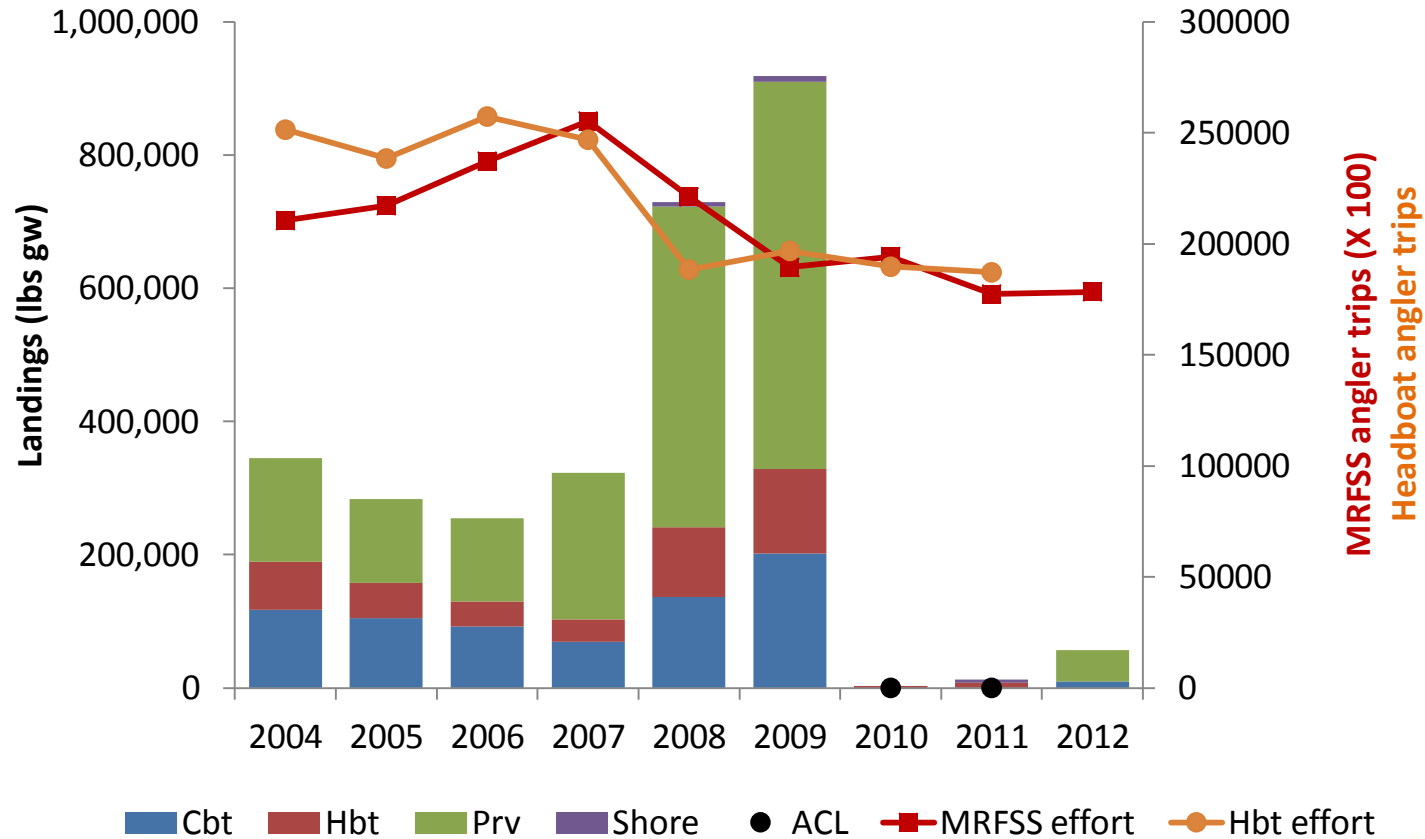
* Area: NC to FLE

* MRFSS data unweighted est. through wave 6 2012; no landings included from HBS or special sampling events during weekend openings

* Landings in 2012 from MRFSS only



Red Snapper



* ACL for 2012 is not provided because ACL was set in numbers and not pounds





QUESTIONS?