



South Atlantic Recreational Landings Update

Snapper-Grouper

***Southeast Regional Office &
Southeast Fisheries Science Center***

**SAFMC Meeting
Stuart, FL
June 10-14, 2019**

Notes on Landings Data

- Landings are summarized using MRIP or MRFSS (calibrated from MRIP) depending on how the ACL is calculated.
- Landings estimates were updated by NMFS SERO to be consistent with ACL monitoring (e.g., post-stratification of estimates) and include data through wave 1, 2019 (January 1 through February 28, 2019)
- 2018 effort data used for generating recreational landings came from the mail survey (Fishing Effort Survey) but were converted to phone survey equivalent landings (Coastal Household Telephone Survey)
- All landings include MRFSS/MRIP and also Headboat landings. However, no Headboat landings are available for November 1 to December 31 of 2018, and no Headboat landings for 2019

2018 Preliminary Landings and ACLs

| Species Complex | Landings (lbs) | ACL | Units | Data | Percent of ACL | Closure Date |
|--------------------------------|----------------|---------|---------|-------|----------------|--------------|
| Atlantic spadefish | 338,865 | 661,926 | ww | MRIP | 51% | |
| Bar Jack | 287 | 49,021 | ww | MRIP | 1% | |
| Black Grouper | 120,735 | 165,750 | ww | MRFSS | 73% | |
| Blueline tilefish | 115,834 | 87,277 | ww | MRIP | 133% | 9/1/16 - F |
| Deepwater complex ^a | 18,690 | 38,628 | ww | MRIP | 48% | |
| Gag | 127,524 | 348,194 | gw | MRIP | 37% | |
| Golden tilefish | 3,113 | 2,187 | numbers | MRIP | 142% | 8/28 |
| Gray triggerfish | 320,858 | 404,675 | Ww | MRIP | 79% | |
| Grunts ^b | 429,408 | 618,122 | ww | MRIP | 69% | |
| Hogfish NC-GA | 75 | 988 | numbers | MRIP | 8% | |
| Hogfish FLK-EFL | 7,339 | 18,617 | numbers | MRIP | 39% | |
| Jacks ^c | 287,004 | 267,799 | ww | MRIP | 107% | |

* Deepwater complex^a - Yellowedge and misty grouper; sand tilefish; queen, silk, and blackfin snapper

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

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

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



2018 Preliminary Landings and ACLs

| Species Complex | Landings (lbs) | ACL | Units | Data | Percent of ACL | Closure Date |
|------------------------------------|----------------|-----------|---------|------|----------------|--------------|
| Mutton snapper | 75,029 | 121,318 | ww | MRIP | 62% | |
| Porgies ^d | 90,523 | 106,914 | ww | MRIP | 85% | |
| Red Grouper | 153,831 | 77,840 | ww | MRIP | 197% | 12/12 |
| Red Porgy | 112,391 | 164,000 | ww | MRIP | 69% | |
| Scamp | 13,595 | 116,369 | ww | MRIP | 12% | |
| Shallow water grouper ^e | 16,518 | 48,648 | ww | MRIP | 34% | |
| Snappers ^f | 921,519 | 1,169,308 | ww | MRIP | 79% | |
| Snowy grouper | 2,766 | 4,983 | numbers | MRIP | 56% | |
| Vermilion snapper | 302,667 | 406,080 | ww | MRIP | 75% | |
| Wreckfish | 0 | 20,315 | ww | MRIP | 0% | |

* Porgies^d Scup, jolthead, knobbed, saucereye, and whitebone porgy

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

* Snappers^f - Gray, lane, and cubera

• Landings for mutton snapper were post-stratified to include landings from the Florida Keys



2019 Preliminary Landings and ACLs

| Species Complex | Landings (lbs) | ACL | Units | Data | Percent of ACL | Closure Date |
|--------------------------------|----------------|---------|---------|-------|----------------|--------------|
| Atlantic spadefish | 0 | 661,926 | ww | MRIP | 0% | |
| Bar Jack | 0 | 49,021 | ww | MRIP | 0% | |
| Black Grouper | 3,502 | 165,750 | ww | MRFSS | 2% | |
| Blueline tilefish | 9,893 | 87,277 | ww | MRIP | 11% | |
| Deepwater complex ^a | 0 | 38,628 | ww | MRIP | 0% | |
| Gag | 0 | 348,194 | gw | MRIP | 0% | |
| Golden tilefish | 15,375 | 2,316 | numbers | MRIP | 664% | |
| Gray triggerfish | 10,227 | 404,675 | ww | MRIP | 3% | |
| Grunts ^b | 40,458 | 618,122 | ww | MRIP | 7% | |
| Hogfish NC-GA | 0 | 988 | numbers | MRIP | 0% | |
| Hogfish FLK-EFL | 0 | 18,617 | numbers | MRIP | 0% | |
| Jacks ^c | 118,244 | 267,799 | ww | MRIP | 44% | |

* Deepwater complex^a - Yellowedge and misty grouper; sand tilefish; queen, silk, and blackfin snapper

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

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

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



2019 Preliminary Landings and ACLs

| Species Complex | Landings (lbs) | ACL | Units | Data | Percent of ACL | Closure Date |
|------------------------------------|----------------|-----------|---------|------|----------------|--------------|
| Mutton snapper | 16,052 | 121,318 | ww | MRIP | 13% | |
| Porgies ^d | 14,051 | 106,914 | ww | MRIP | 13% | |
| Red Grouper | 3,499 | 84,000 | ww | MRIP | 4% | |
| Red Porgy | 46 | 164,000 | ww | MRIP | 0% | |
| Scamp | 0 | 116,369 | ww | MRIP | 0% | |
| Shallow water grouper ^e | 0 | 48,648 | ww | MRIP | 0% | |
| Snappers ^f | 61,277 | 1,169,308 | ww | MRIP | 5% | |
| Snowy grouper | 0 | 4,983 | numbers | MRIP | 0% | |
| Vermilion snapper | 13,737 | 406,080 | ww | MRIP | 3% | |
| Wreckfish | 0 | 20,315 | ww | MRIP | 0% | |

* Porgies^d Scup, jolthead, knobbed, saucereye, and whitebone porgy

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

* Snappers^f - Gray, lane, and cubera

• Landings for mutton snapper were post-stratified to include landings from the Florida Keys



2017/18 Preliminary Landings and ACLs

| Species Complex | Fishing Year | Landings (lbs) | ACL | Units | Data | Percent of ACL | Closure Date |
|--------------------|--------------|----------------|-----------|-------|-------|----------------|--------------|
| Greater Amberjack* | Mar 1-Feb 28 | 1,216,881 | 1,167,837 | ww | MRFSS | 104% | 10/31/17 |
| Black Sea Bass** | Apr 1-Mar 31 | 246,889 | 1,001,177 | ww | MRIP | 25% | |
| Yellowtail Snapper | Aug 1-Jul 31 | 507,865 | 1,440,990 | ww | MRFSS | 35% | |

* Greater amberjack and yellowtail snapper landings include post-stratified MRFSS landings from Florida Keys.

**Black sea bass landings exclude post-stratified MRIP landings from north of Cape Hatteras

2018/19 Preliminary Landings and ACLs

| Species Complex | Fishing Year | Landings (lbs) | ACL | Units | Data | Percent of ACL | Closure Date |
|--------------------|--------------|----------------|-----------|-------|-------|----------------|--------------|
| Greater Amberjack* | Mar 1-Feb 28 | 707,083 | 1,167,837 | ww | MRFSS | 61% | |
| Black Sea Bass** | Apr 1-Mar 31 | 161,464 | 1,001,177 | ww | MRIP | 16% | |
| Yellowtail Snapper | Aug 1-Jul 31 | 282,412 | 1,440,990 | ww | MRFSS | 20% | |

* Greater amberjack and yellowtail snapper landings include post-stratified MRFSS landings from Florida Keys.

**Black sea bass landings exclude post-stratified MRIP landings from north of Cape Hatteras

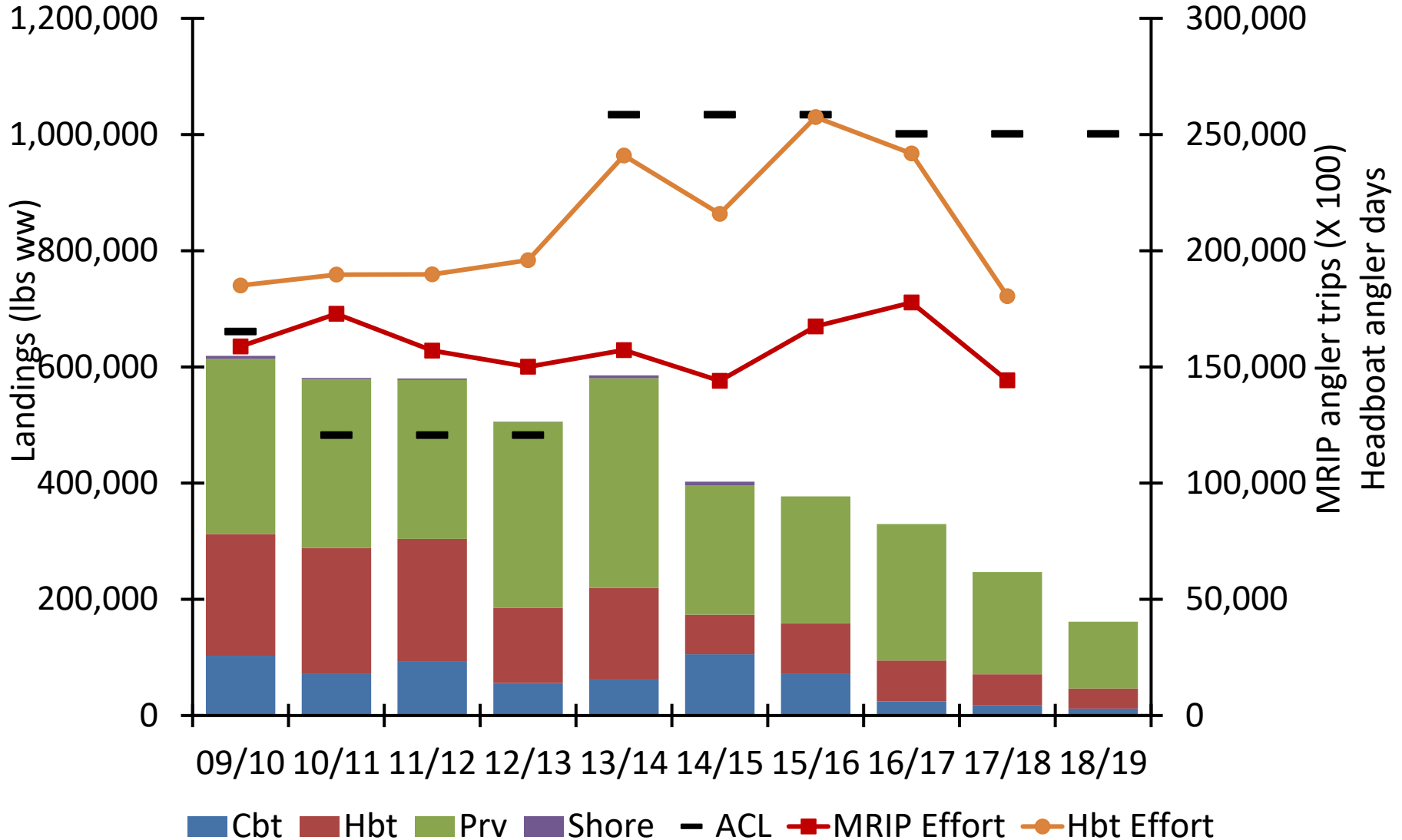
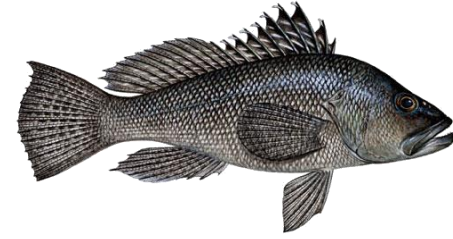
Black Sea Bass Rec Landings (lbs ww)

| Fishing Year | Charter | Headboat | Private | Shore | Total |
|--------------|---------|----------|---------|-------|---------|
| 09/10 | 102,970 | 209,513 | 301,492 | 5,034 | 619,010 |
| 10/11 | 71,460 | 216,893 | 291,027 | 1,774 | 581,154 |
| 11/12 | 92,566 | 211,443 | 273,541 | 2,628 | 580,177 |
| 12/13 | 55,894 | 129,201 | 320,219 | 654 | 505,967 |
| 13/14 | 62,089 | 157,458 | 360,930 | 4,880 | 585,357 |
| 14/15 | 105,305 | 68,194 | 222,291 | 6,689 | 402,479 |
| 15/16 | 72,502 | 86,139 | 218,575 | 0 | 377,216 |
| 16/17 | 24,190 | 70,467 | 234,798 | 0 | 329,455 |
| 17/18 | 18,127 | 52,807 | 175,954 | 0 | 246,889 |
| 18/19 | 11,855 | 34,536 | 115,073 | 0 | 161,464 |

- Fishing year June 1-May 31 for 04/05 to 13/14, but changed to April 1 to March 31 in 14/15 due to Regulatory Amendment 14
- Area: NC to FLE (excludes post-stratified MRFSS/MRIP landings north of Cape Hatteras)
- MRFSS data from 2004/05 to 2012/13 (gray cells); MRIP data for 2013/14 through 2018/19



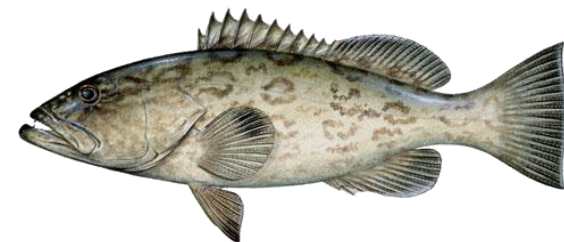
Black Sea Bass



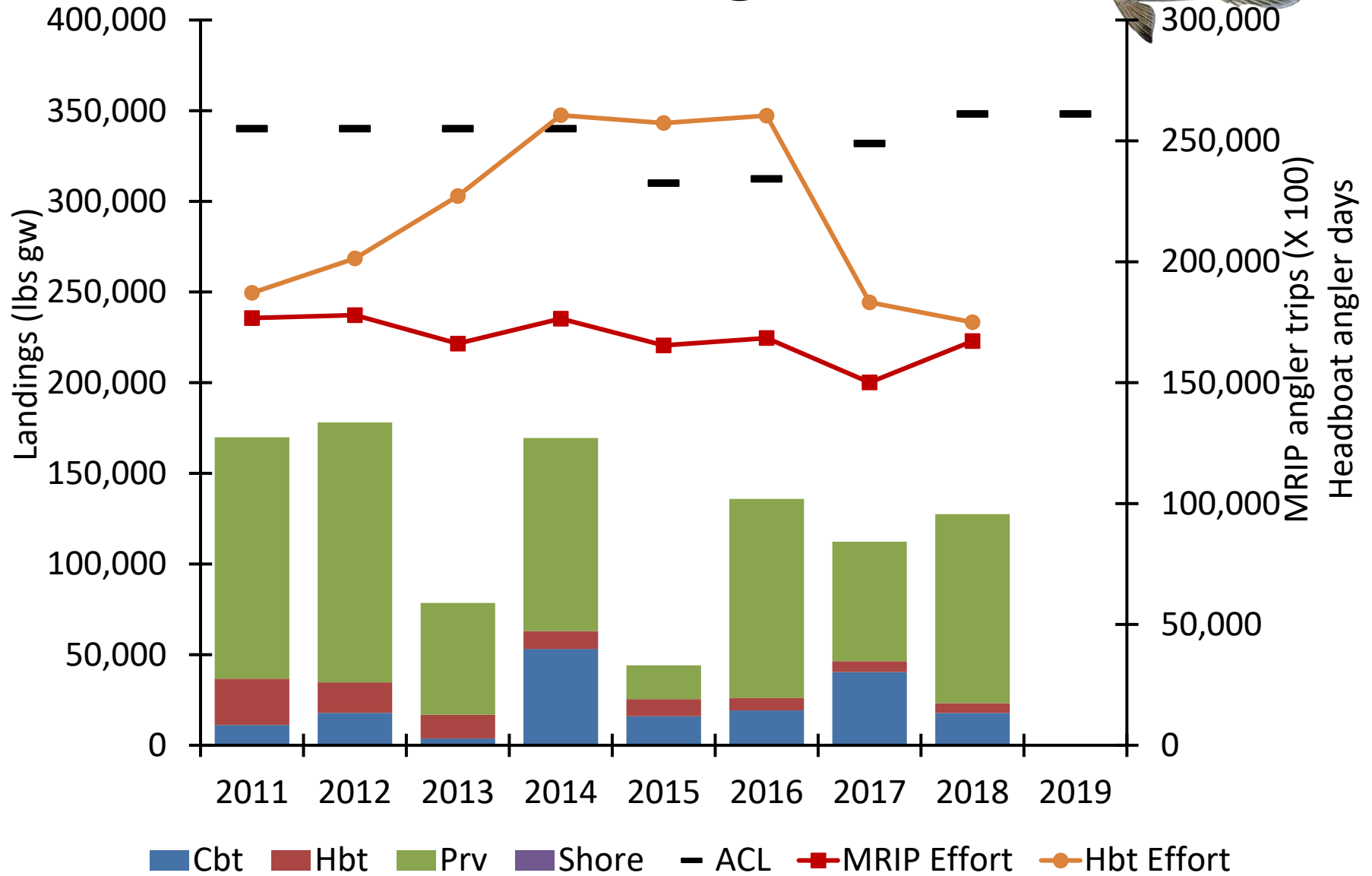
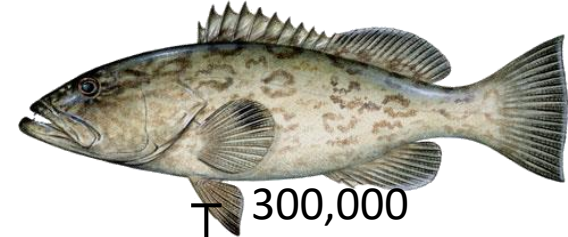
Gag Grouper Rec Landings (lbs gw)

| Fishing Year | Charter | Headboat | Private | Shore | Total |
|--------------|---------|----------|---------|-------|---------|
| 2011 | 11,174 | 25,522 | 133,158 | 0 | 169,854 |
| 2012 | 17,867 | 16,868 | 143,331 | 0 | 178,066 |
| 2013 | 3,807 | 13,077 | 61,587 | 0 | 78,471 |
| 2014 | 53,171 | 9,832 | 106,445 | 0 | 169,447 |
| 2015 | 16,037 | 9,413 | 18,633 | 0 | 44,083 |
| 2016 | 19,230 | 6,959 | 109,672 | 0 | 135,861 |
| 2017 | 40,423 | 5,983 | 65,875 | 0 | 112,281 |
| 2018 | 17,828 | 5,448 | 104,247 | 0 | 127,524 |
| 2019 | 0 | 0 | 0 | 0 | 0 |

* Area: NC to FLE (includes post-stratified MRFSS/MRIP landings from Florida Keys)
MRFSS from 2007 through 2014 (gray cells) then MRIP for 2015 through 2019



Gag



Greater Amberjack Rec Landings (lbs ww)

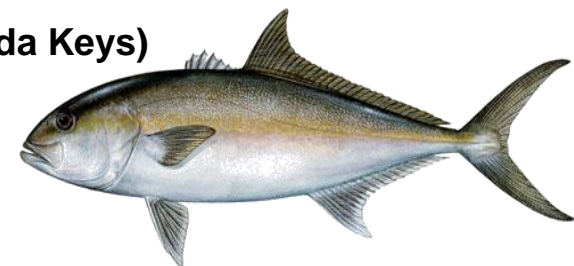
| Fishing Year | Charter | Headboat | Private | Shore | Total |
|--------------|-----------|----------|---------|--------|-----------|
| 10/11 | 428,073 | 75,268 | 509,443 | 0 | 1,012,784 |
| 11/12 | 293,926 | 37,577 | 248,161 | 28,891 | 608,556 |
| 12/13 | 1,157,984 | 37,941 | 268,847 | 0 | 1,464,773 |
| 13/14 | 340,715 | 84,685 | 386,480 | 0 | 811,880 |
| 14/15 | 401,150 | 71,793 | 395,800 | 0 | 868,743 |
| 15/16 | 645,158 | 130,471 | 431,726 | 0 | 1,207,355 |
| 16/17 | 655,150 | 132,492 | 438,412 | 0 | 1,226,054 |
| 17/18 | 650,243 | 131,499 | 435,139 | 0 | 1,216,881 |
| 18/19 | 377,835 | 76,410 | 252,839 | 0 | 707,083 |

* Fishing year is May1-April 30 for 04/05 to 13/14, but changed to May 1 to February 28 in 14/15 due to Regulatory Amendment 14

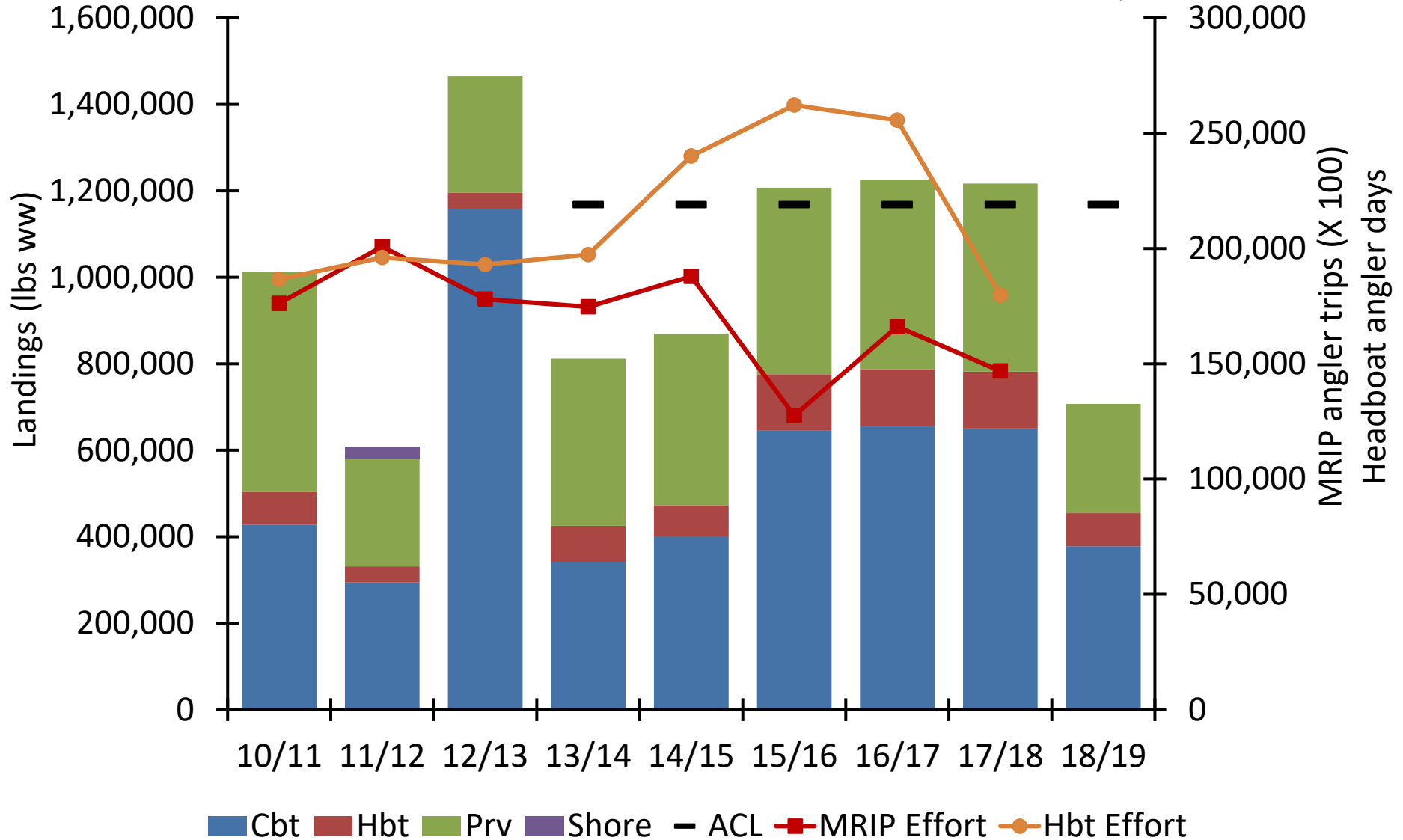
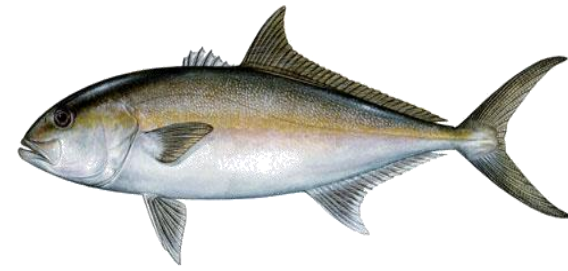
* Area: NC to FLE (includes post-stratified MRFSS landings from Florida Keys)

* 2017/18 and 2018/2019 landings are preliminary

* All landings are in MRFSS



Greater Amberjack



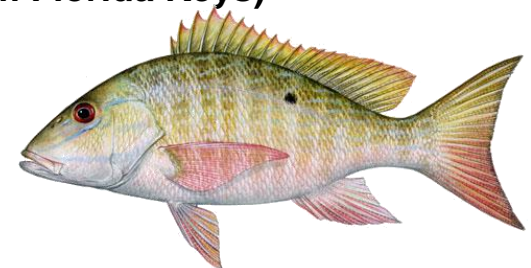
Mutton Snapper Rec Landings (lbs ww/numbers)

| Fishing Year | Charter | Headboat | Private | Shore | Total |
|--------------|---------|----------|---------|---------|---------|
| 2010 | 60,230 | 49,645 | 420,655 | 38,942 | 569,471 |
| 2011 | 79,066 | 53,171 | 129,696 | 19,313 | 281,247 |
| 2012 | 184,174 | 74,640 | 212,602 | 5,606 | 477,022 |
| 2013 | 96,018 | 51,972 | 315,462 | 18,279 | 481,731 |
| 2014 | 57,425 | 83,648 | 265,380 | 111,866 | 518,319 |
| 2015 | 169,159 | 73,369 | 307,411 | 96,509 | 646,447 |
| 2016 | 148,848 | 88,782 | 262,221 | 108,630 | 608,480 |
| 2017 | 40,359 | 60,608 | 370,666 | 22,933 | 494,566 |
| 2018 | 16,349 | 10,850 | 45,625 | 2,204 | 75,029 |
| 2019 | 2,974 | 0 | 13,078 | 0 | 16,052 |

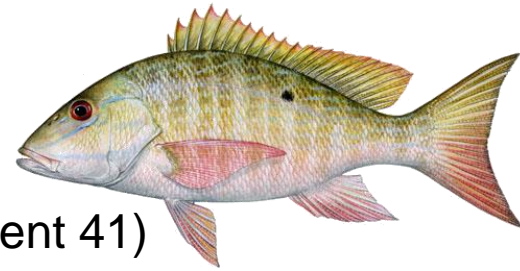
* Area: NC to FLE (includes post-stratified MRFSS landings from Florida Keys)

Landings are in MRFSS but start as MRIP in 2018.

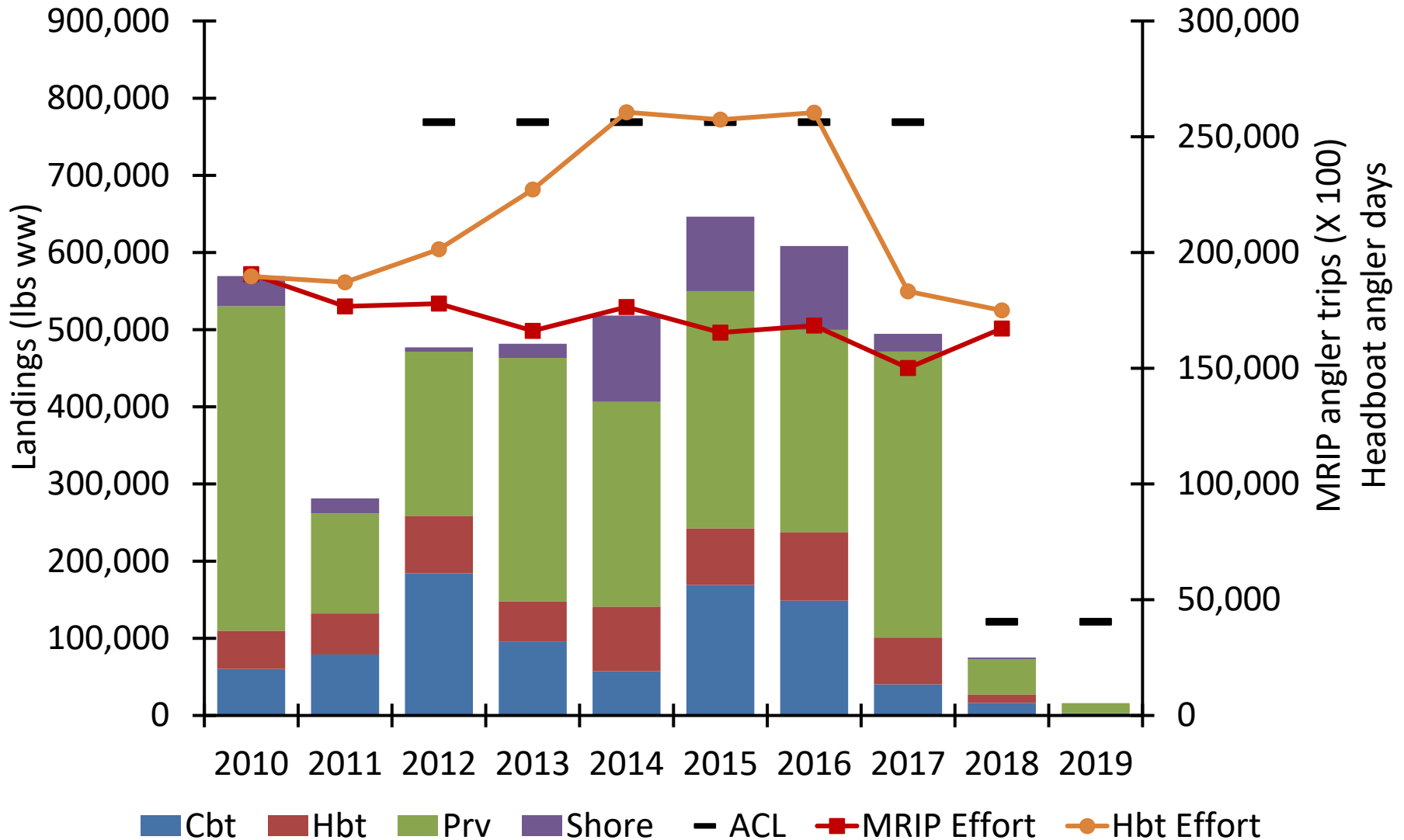
*Also started ACL in numbers of fish in 2018



Mutton Snapper



* 2018 ACL switched from pounds to numbers (Amendment 41)



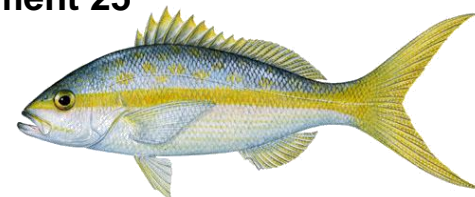
Yellowtail Snapper Rec Landings (lbs ww)

| Fishing Year | Charter | Headboat | Private | Shore | Total |
|--------------|---------|----------|---------|--------|---------|
| 2010 | 138,801 | 85,552 | 208,675 | 1,231 | 434,259 |
| 2011 | 115,057 | 85,024 | 190,916 | 0 | 390,998 |
| 2012 | 170,242 | 116,524 | 158,662 | 3,609 | 449,037 |
| 2013 | 308,458 | 108,882 | 238,067 | 10,619 | 666,027 |
| 2014 | 286,975 | 159,307 | 410,939 | 76,058 | 933,279 |
| 2015 | 311,700 | 141,705 | 244,235 | 3,613 | 701,252 |
| 2016 | 293,051 | 176,540 | 279,604 | 11,467 | 760,663 |
| 16/17 | 262,671 | 158,239 | 250,618 | 10,278 | 681,806 |
| 17/18 | 195,659 | 117,869 | 186,681 | 7,656 | 507,865 |
| 18/19 | 108,801 | 65,544 | 103,809 | 4,257 | 282,412 |

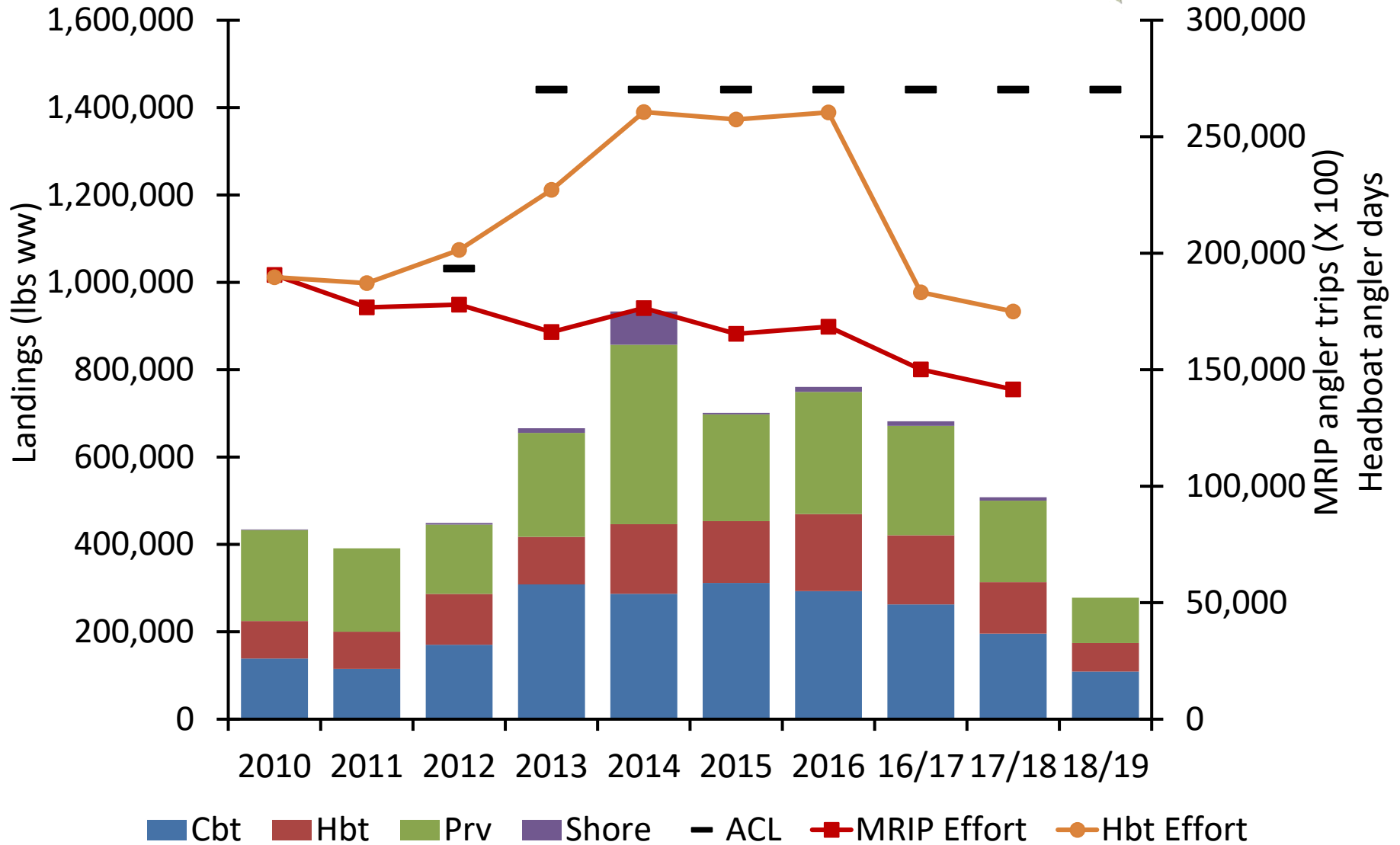
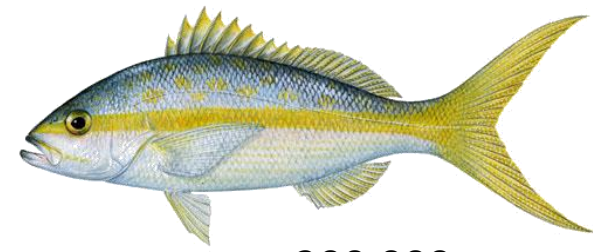
* Area: NC to FLE (includes post-stratified MRFSS landings from Florida Keys)

All landings are in MRFSS

* Yellowtail snapper fishing seasons were modified in Regulatory Amendment 25 from January 1 to December 31 to August 1 to July 31 in 2016



Yellowtail Snapper

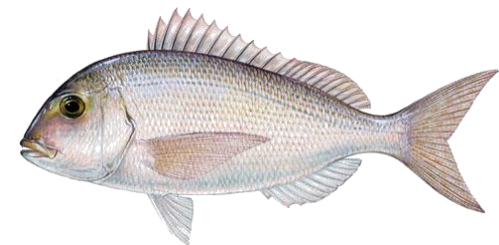


Red Porgy Rec Landings (lbs ww)

| Fishing Year | Charter | Headboat | Private | Shore | Total |
|--------------|---------|----------|---------|-------|---------|
| 2010 | 16,848 | 37,413 | 11,291 | 0 | 65,553 |
| 2011 | 11,685 | 39,191 | 21,421 | 0 | 72,297 |
| 2012 | 25,686 | 41,086 | 34,527 | 0 | 101,299 |
| 2013 | 20,217 | 31,716 | 20,276 | 1,969 | 74,178 |
| 2014 | 14,198 | 30,041 | 15,548 | 0 | 59,788 |
| 2015 | 59,027 | 26,916 | 10,848 | 0 | 96,791 |
| 2016 | 13,027 | 25,717 | 106,430 | 0 | 145,174 |
| 2017 | 30,189 | 23,042 | 25,583 | 0 | 78,814 |
| 2018 | 20,206 | 16,873 | 75,313 | 0 | 112,393 |
| 2019 | 46 | 0 | 0 | 0 | 46 |

* Area: NC to FLE

* MRFSS data from 2007 to 2012; MRIP data for 2013 to 2019.

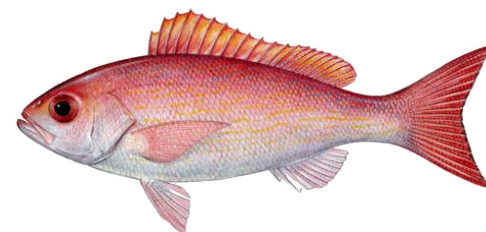


Vermilion Snapper Rec Landings (lbs ww)

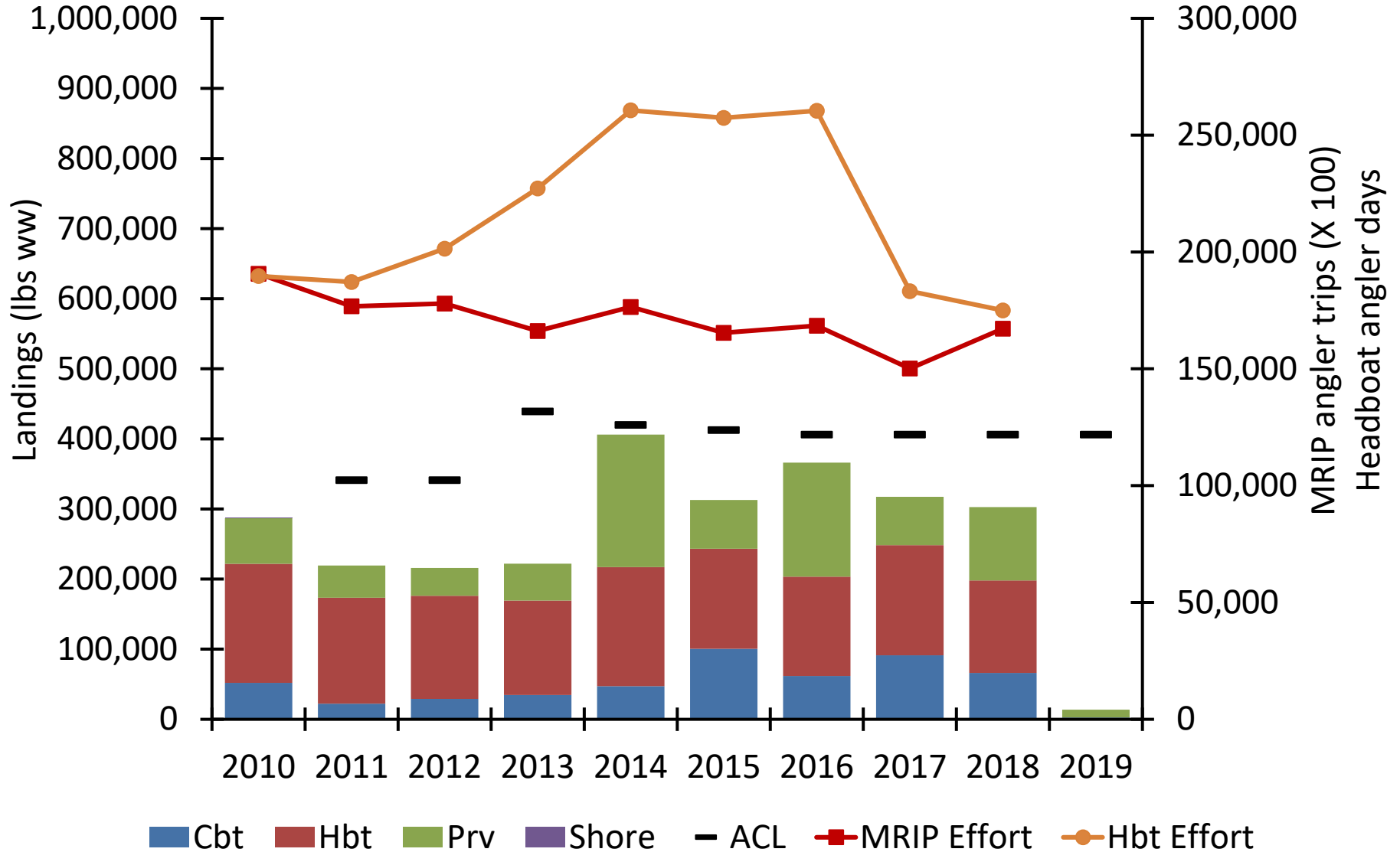
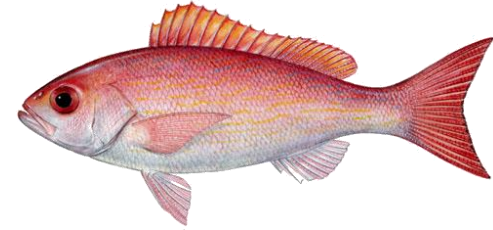
| Fishing Year | Charter | Headboat | Private | Shore | Total |
|--------------|---------|----------|---------|-------|---------|
| 2010 | 51,950 | 169,859 | 64,897 | 0 | 286,706 |
| 2011 | 22,214 | 151,075 | 46,106 | 0 | 219,395 |
| 2012 | 29,025 | 147,059 | 39,811 | 0 | 215,894 |
| 2013 | 34,577 | 134,834 | 52,548 | 0 | 221,960 |
| 2014 | 47,179 | 169,801 | 189,090 | 0 | 406,070 |
| 2015 | 100,433 | 142,800 | 69,624 | 0 | 312,857 |
| 2016 | 61,642 | 141,782 | 162,639 | 0 | 366,063 |
| 2017 | 91,311 | 156,993 | 68,975 | 0 | 317,279 |
| 2018 | 66,092 | 131,852 | 104,723 | 0 | 302,668 |
| 2019 | 2,528 | 0 | 11,209 | 0 | 13,737 |

* Area: NC to FLE

* MRFSS data from 2007 to 2012; MRIP data for 2013 to 2019.



Vermilion Snapper

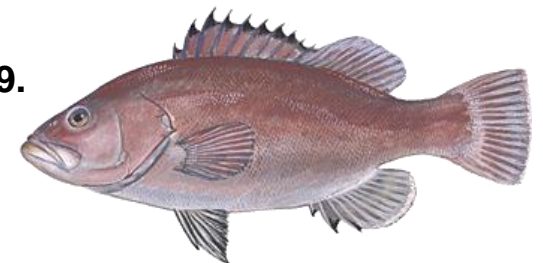


Snowy Grouper Rec Landings (numbers)

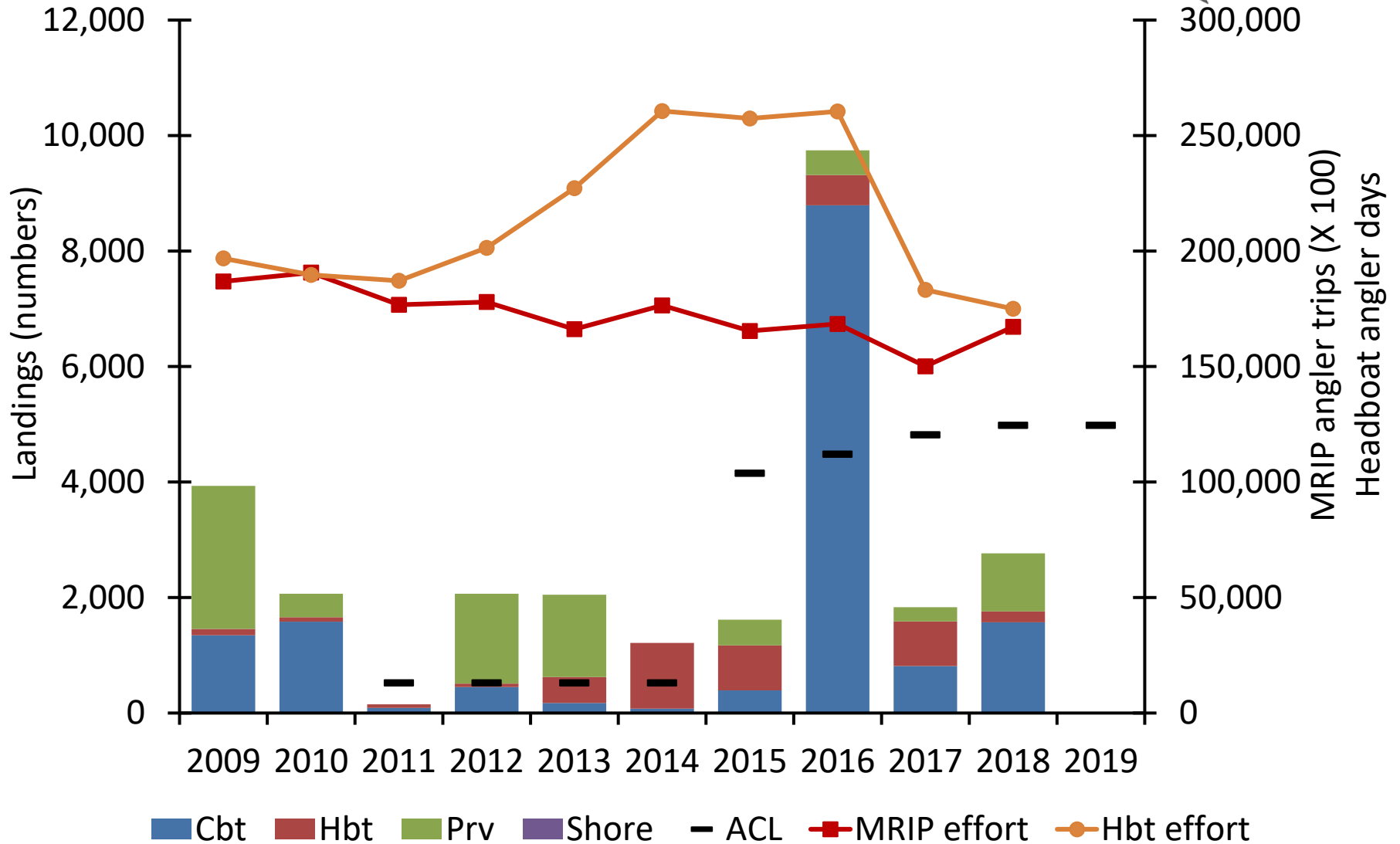
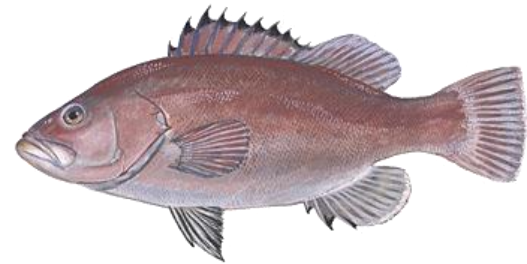
| Fishing Year | Charter | Headboat | Private | Shore | Total |
|--------------|---------|----------|---------|-------|-------|
| 2009 | 1,347 | 108 | 2,478 | 0 | 3,933 |
| 2010 | 1,582 | 77 | 407 | 0 | 2,066 |
| 2011 | 88 | 63 | 0 | 0 | 151 |
| 2012 | 450 | 60 | 1,555 | 0 | 2,065 |
| 2013 | 174 | 449 | 1,425 | 0 | 2,048 |
| 2014 | 76 | 1,138 | 0 | 0 | 1,214 |
| 2015 | 393 | 778 | 446 | 0 | 1,617 |
| 2016 | 8,791 | 525 | 429 | 0 | 9,745 |
| 2017 | 813 | 773 | 247 | 0 | 1,833 |
| 2018 | 1,570 | 190 | 1,006 | 0 | 2,766 |
| 2019 | 0 | 0 | 0 | 0 | 0 |

* Area: NC to FLE

* MRFSS data from 2007 to 2014; MRIP data 2015 through 2019.



Snowy Grouper

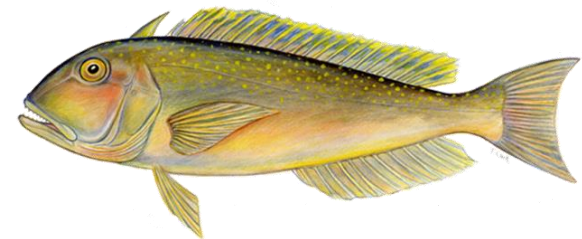


Golden Tilefish Rec Landings (numbers)

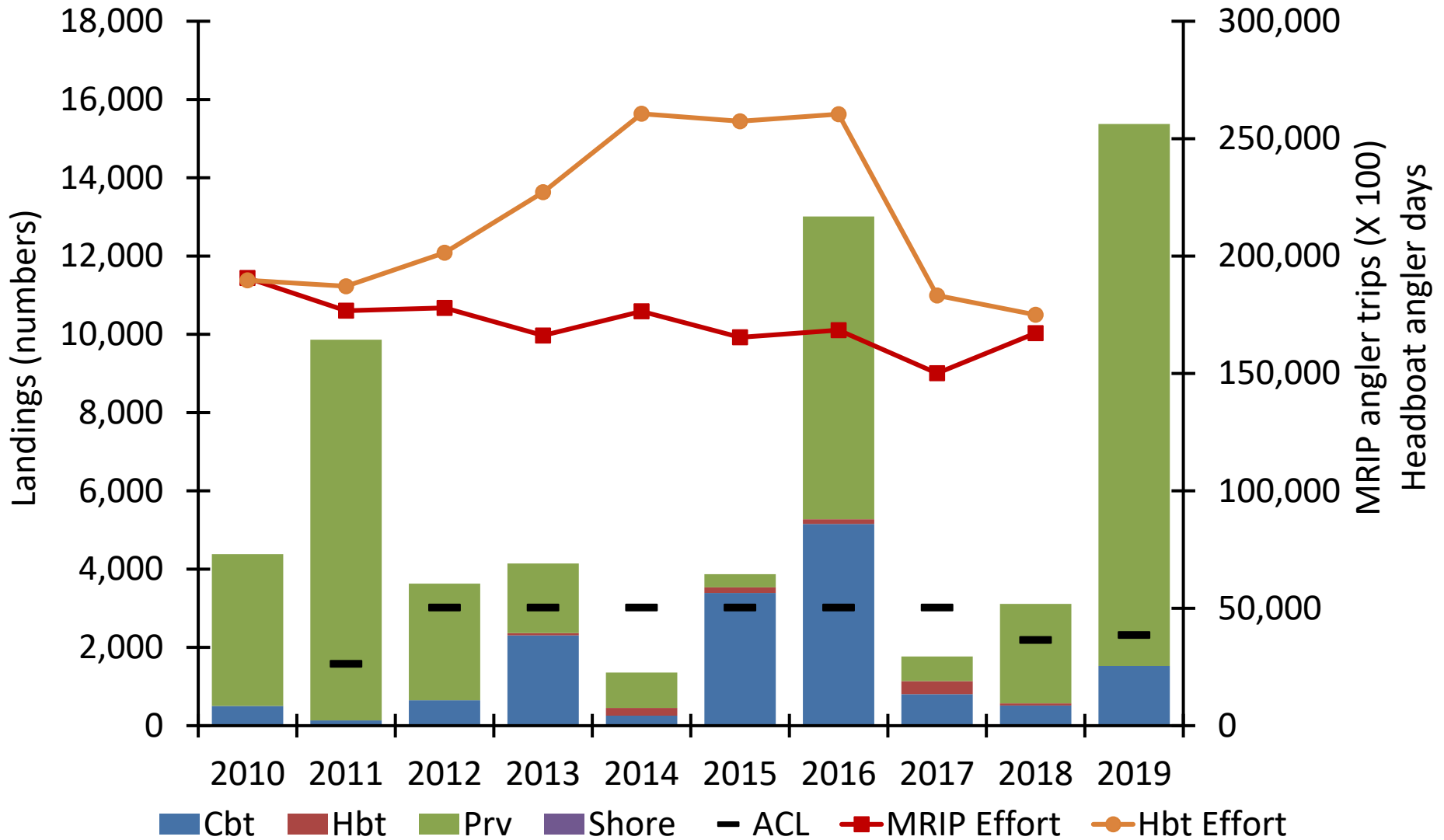
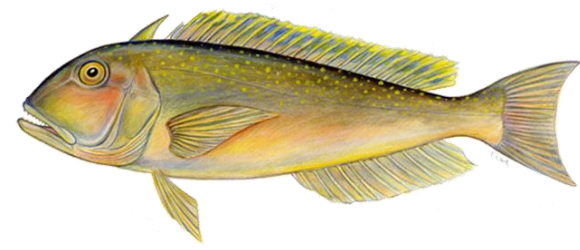
| Fishing Year | Cbt | Hbt | Prv | Shore | Total |
|--------------|-------|-----|--------|-------|--------|
| 2010 | 503 | 0 | 3,880 | 0 | 4,383 |
| 2011 | 134 | 0 | 9,729 | 0 | 9,864 |
| 2012 | 649 | 0 | 2,979 | 0 | 3,628 |
| 2013 | 2,309 | 55 | 1,779 | 0 | 4,143 |
| 2014 | 254 | 200 | 903 | 0 | 1,357 |
| 2015 | 3,391 | 142 | 339 | 0 | 3,872 |
| 2016 | 5,154 | 121 | 7,736 | 0 | 13,011 |
| 2017 | 806 | 334 | 626 | 0 | 1,766 |
| 2018 | 515 | 55 | 2,542 | 0 | 3,113 |
| 2019 | 1,526 | 0 | 13,849 | 0 | 15,375 |

* Area: NC to FLE

Landings are in MRFSS but start MRIP in 2018



Golden Tilefish

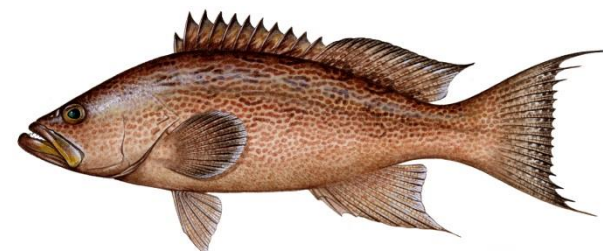


Scamp Rec Landings (lbs ww)

| Fishing Year | Charter | Headboat | Private | Shore | Total |
|--------------|---------|----------|---------|-------|--------|
| 2010 | 16,778 | 20,706 | 18,646 | 0 | 56,129 |
| 2011 | 11,356 | 21,895 | 23,141 | 0 | 56,392 |
| 2012 | 9,282 | 13,199 | 55,965 | 0 | 78,445 |
| 2013 | 15,036 | 15,355 | 15,721 | 0 | 46,112 |
| 2014 | 3,729 | 15,363 | 51,309 | 0 | 70,401 |
| 2015 | 4,491 | 12,482 | 1,687 | 0 | 18,660 |
| 2016 | 7,750 | 10,753 | 12,457 | 0 | 30,960 |
| 2017 | 77,478 | 14,278 | 0 | 0 | 91,755 |
| 2018 | 3,501 | 7,357 | 2,738 | 0 | 13,596 |
| 2019 | 0 | 0 | 0 | 0 | 0 |

* Area: NC to FLE

* MRFSS data from 2007 to 2012; MRIP data for 2013 to 2019.



BlueLine Tilefish Rec Landings (lbs ww)

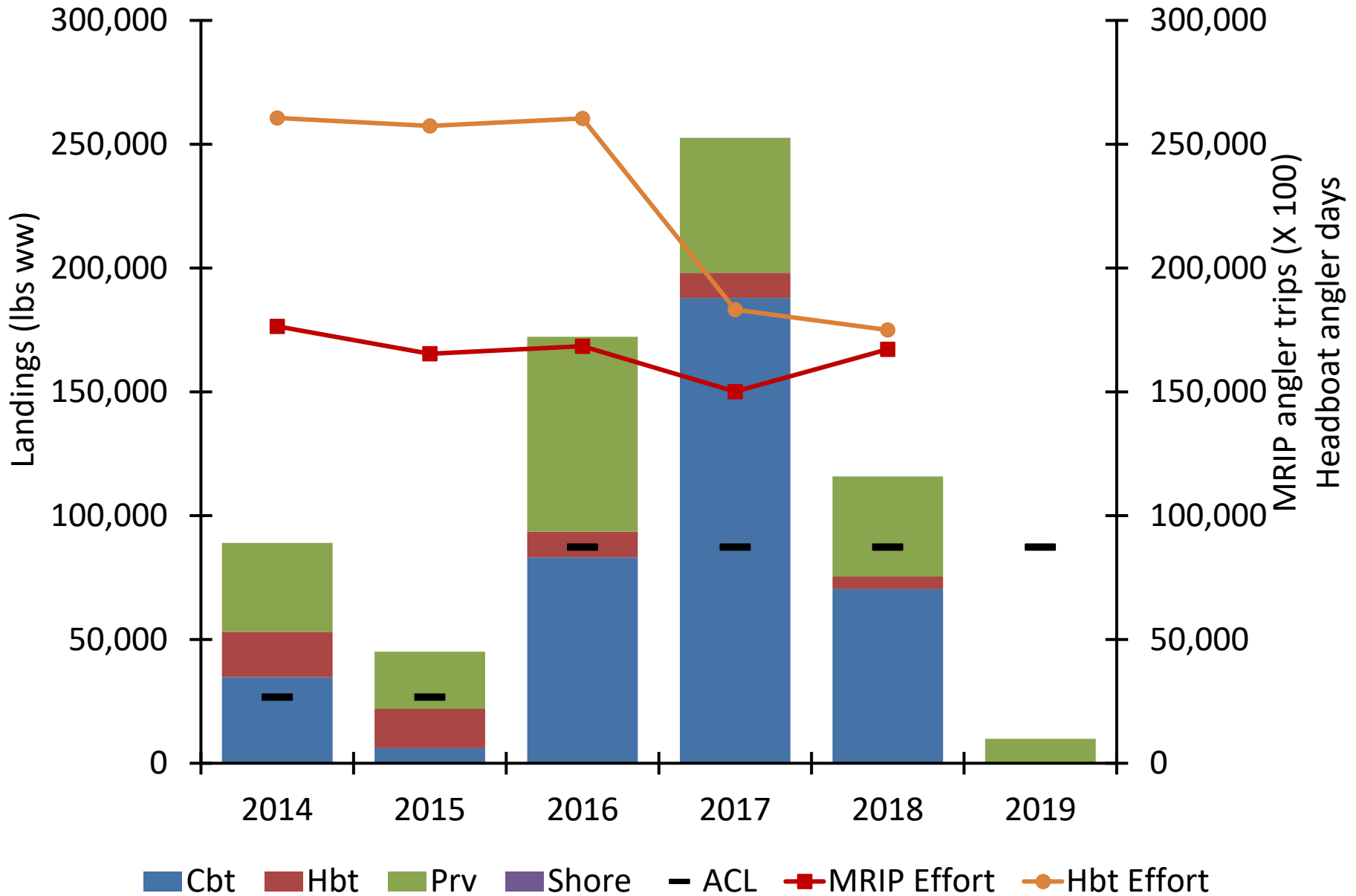
| Fishing Year | Charter | Headboat | Private | Shore | Total |
|--------------|---------|----------|---------|-------|---------|
| 2014 | 34,746 | 18,352 | 35,899 | 0 | 88,997 |
| 2015 | 6,150 | 15,886 | 23,004 | 0 | 45,040 |
| 2016 | 83,152 | 10,418 | 78,680 | 0 | 172,250 |
| 2017 | 187,871 | 10,222 | 54,501 | 0 | 252,594 |
| 2018 | 70,357 | 5,066 | 40,410 | 0 | 115,834 |
| 2019 | 0 | 0 | 9,893 | 0 | 9,893 |

* Area: NC to FLE

* In 2014 Amendment 32 removed blueLine tilefish from the deepwater complex

*All landings are in MRIP

Blueline Tilefish



QUESTIONS?