



**NOAA**  
**FISHERIES**



# Recreational Fisheries Workgroup

SEDAR 68 – South Atlantic and Gulf of Mexico  
Scamp (Yellowmouth Grouper)

April 22, 2020  
Data Workshop Plenary

# Landings



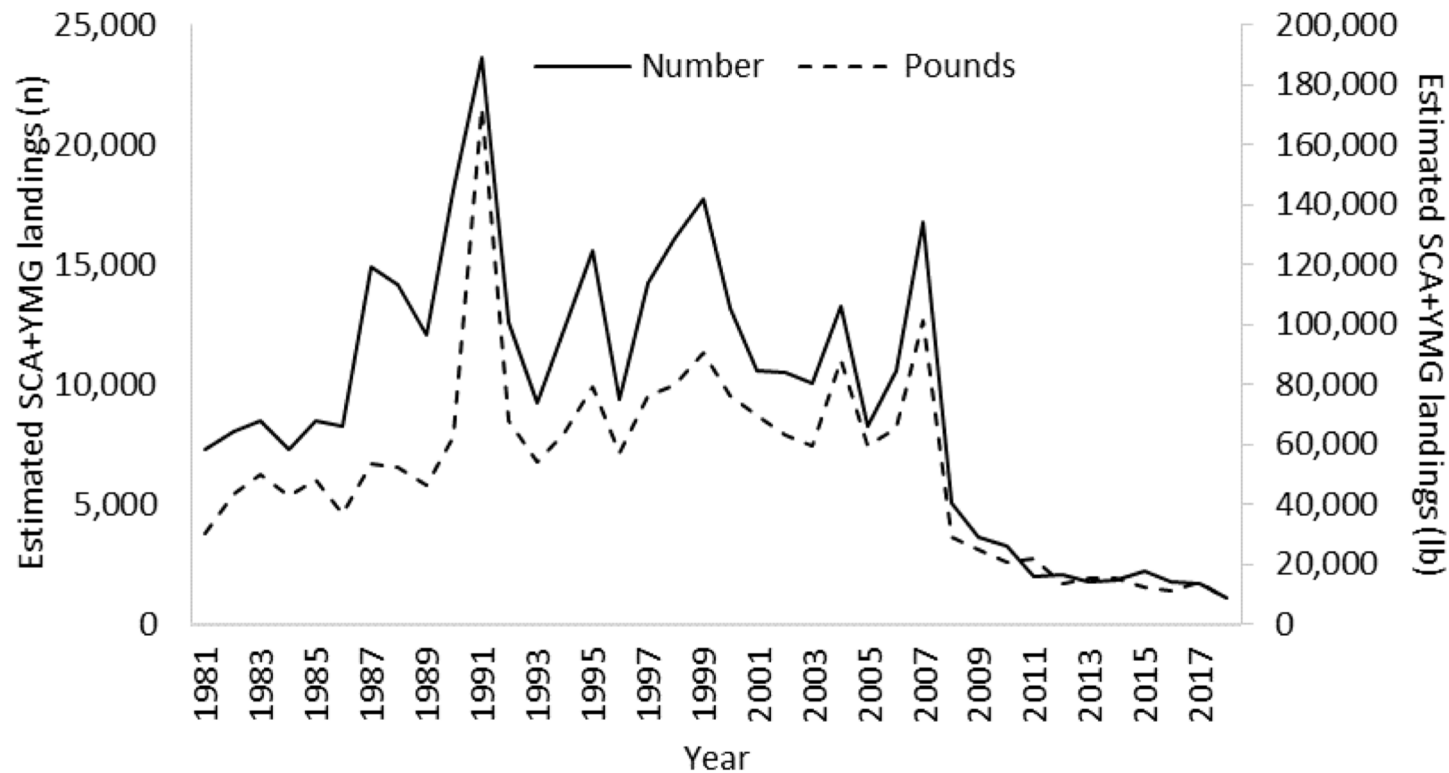
# Data Sources

- SRHS – Southeast Region Headboat Survey
- MRIP – Marine Recreational Information Program
- TPWD – Texas Parks and Wildlife Department's Sport-Boat Angling Survey
- LA Creel – Louisiana Creel Survey

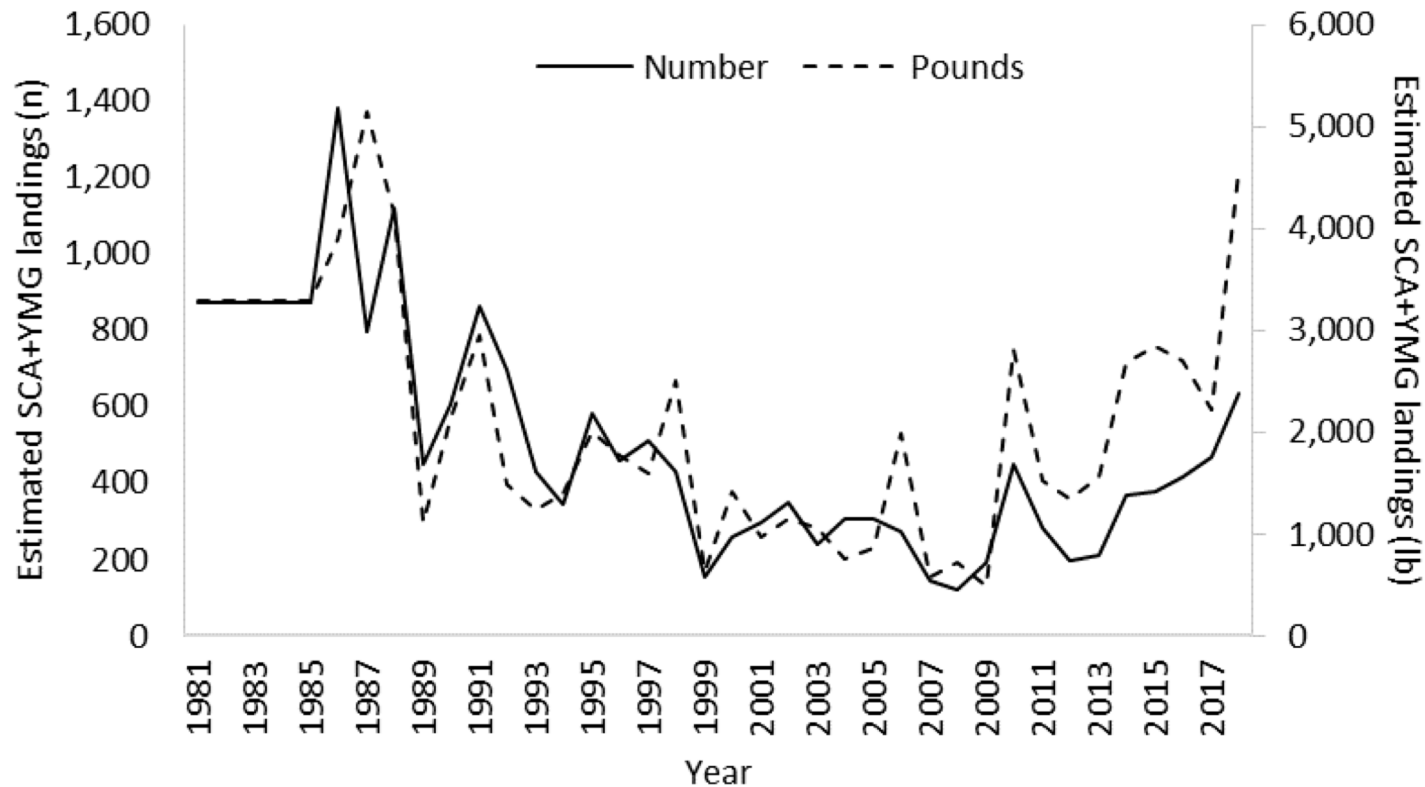
# Southeast Region Headboat Survey (SRHS)

- Issue: When to start the SRHS landings series in the South Atlantic?
- Options:
  - 1972
    - From 1972 to 1980 landings recorded as *Mycteroperca* and includes several species
    - Requires work for species break out and full survey coverage
  - 1981
    - From 1981 on Scamp and Yellowmouth Grouper are recorded at the species level
- Recommendation: Start SRHS landings in 1981 due to uncertainty of species ID and lack of full survey coverage prior to 1981

# SRHS SCA/YMG South Atlantic Landings



# SRHS SCA/YMG Gulf of Mexico Landings



# General Recreational Landings

- Issue: Should shore mode be included in the general recreational time series?
- Considerations:
  - The magnitude of the shore landings are generally extremely low compared to other modes or based on only a few intercepts that have expanded the estimates greatly
  - Scamp are a primarily a deep-water species
  - Legal sized fish aren't likely to be caught during a shore trip
  - Scamp identified during shore mode trips may be a result of misidentification
- Recommendation: Exclude shore mode from the general recreational South Atlantic and Gulf of Mexico time series

# General Recreational Landings

- Issue: Should MRIP headboat mode from the Florida Keys be included in the South Atlantic time series?
- Considerations:
  - MRIP headboat estimates (1981-1985) from Monroe County cannot be split between the Gulf and SA side of the Keys
  - For SRHS a majority of the headboat estimates for all the Keys (12, 17, and 18) come from the SA side of the Keys
  - SRHS headboat estimates from areas 12 and 17 (SA side of the Keys) begin in 1981
  - Adding MRIP headboat estimates from 1981-1985 would lead to duplication of estimates for the SA side of the Keys
- Recommendation: Exclude MRIP headboat mode from the Florida Keys from the South Atlantic time series



# South Atlantic General Recreational Landings

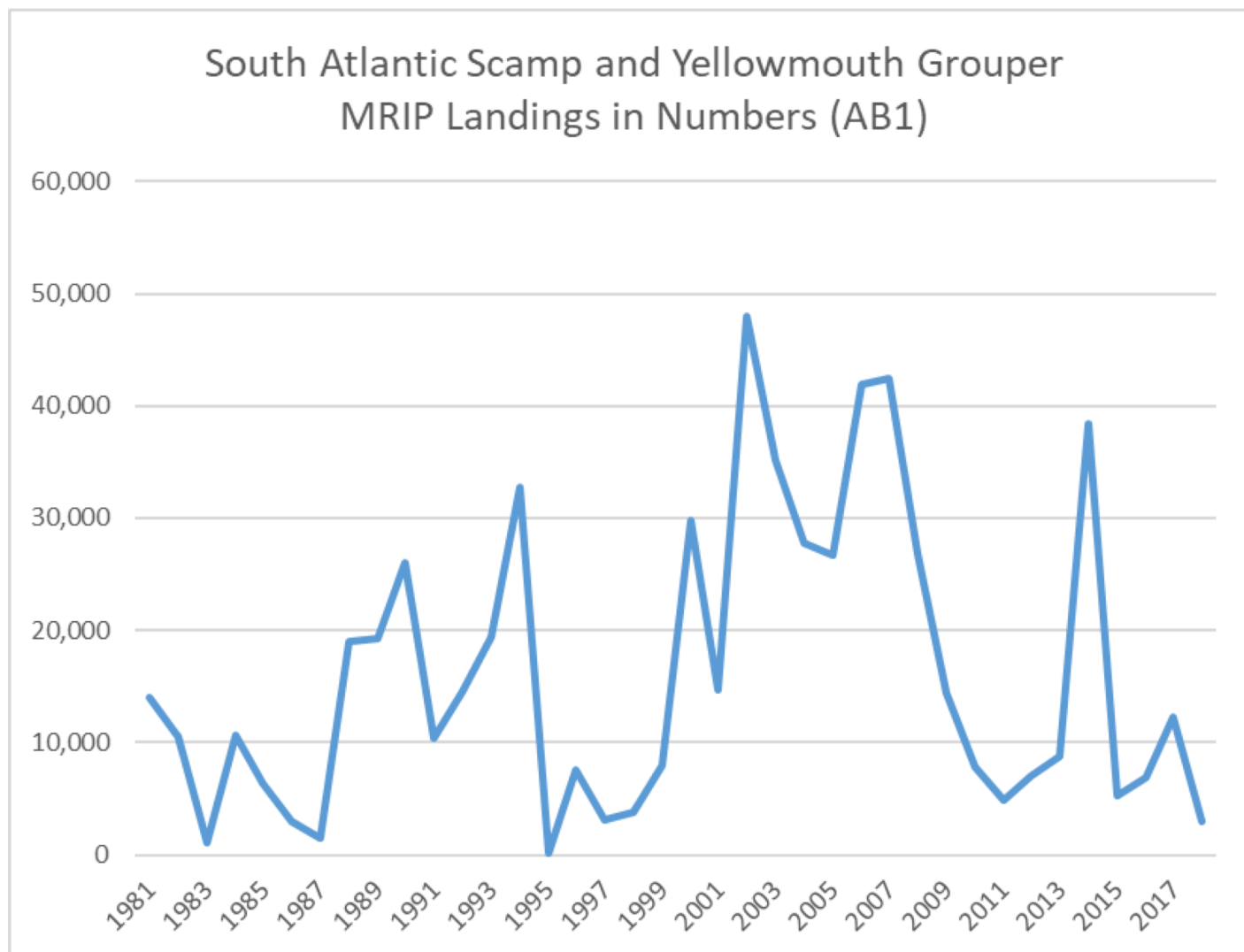
YEAR	Cbt		Hbt		Priv		Shore		Total Sum of AB1	Total Sum of B2
	Sum of AB1	Sum of B2	Sum of AB1	Sum of B2	Sum of AB1	Sum of B2	Sum of AB1	Sum of B2		
1981	1,682	0			12,364	0	20,416	0	34,462	0
1982	1,591	0			8,859	0			10,451	0
1983	1,048	0							1,048	0
1984	7,500	0	1,024	0	3,154	0			11,678	0
1985	1,307	0			4,988	0	26,096	0	32,391	0
1986	613	0			2,291	0			2,904	0
1987	543	0			983	0			1,527	0
1988	14,133	0			4,918	9,538			19,051	9,538
1989	10,571	20			8,720	0			19,291	20
1990	15,496	0			10,488	4,522	2,649	0	28,632	4,522
1991	4,277	0			6,115	0			10,391	0
1992	4,101	3,157			10,419	0			14,520	3,157
1993	8,998	6,043			10,396	10,728			19,394	16,772
1994	15,496	7,143			17,276	4,317			32,772	11,460
1995	95	4,314							95	4,314
1996	3,756	3,985			3,838	0			7,594	3,985
1997	578	6,067			2,585	0			3,164	6,067
1998	2,085	1,321			1,641	0			3,725	1,321
1999	6,970	1,049			957	2,613			7,928	3,663
2000	5,577	2,320			24,178	4,643			29,755	6,962
2001	5,320	10,216			9,386	4,053			14,706	14,269
2002	36,468	9,948			11,500	10,429			47,968	20,378
2003	13,682	12,453			21,522	11,609			35,204	24,062
2004	7,541	5,967			20,173	20,071			27,714	26,038
2005	23,049	4,853			3,633	998			26,682	5,851
2006	9,612	2,759			32,368	7,257			41,980	10,016
2007	15,826	2,068			26,623	45,867			42,449	47,935
2008	5,816	4,313			21,011	17,244			26,827	21,556
2009	1,034	2,148			13,449	19,771			14,483	21,919
2010	2,313	1,512			5,550	9,418			7,863	10,929
2011	1,342	1,090			3,504	2,181			4,847	3,271
2012	925	665			6,073	21,692			6,998	22,356
2013	2,489	688			6,304	1,256			8,794	1,945
2014	569	7			37,820	0			38,389	7
2015	865	143			4,366	3,183	0	2,822	5,230	6,148
2016	900	174			5,908	1,059			6,808	1,233
2017	12,307	16							12,307	16
2018	509	0			2,436	3,993			2,945	3,993
Grand Total	246,986	94,439	1,024	0	365,798	216,442	49,161	2,822	662,969	313,703

# Gulf of Mexico General Recreational Landings

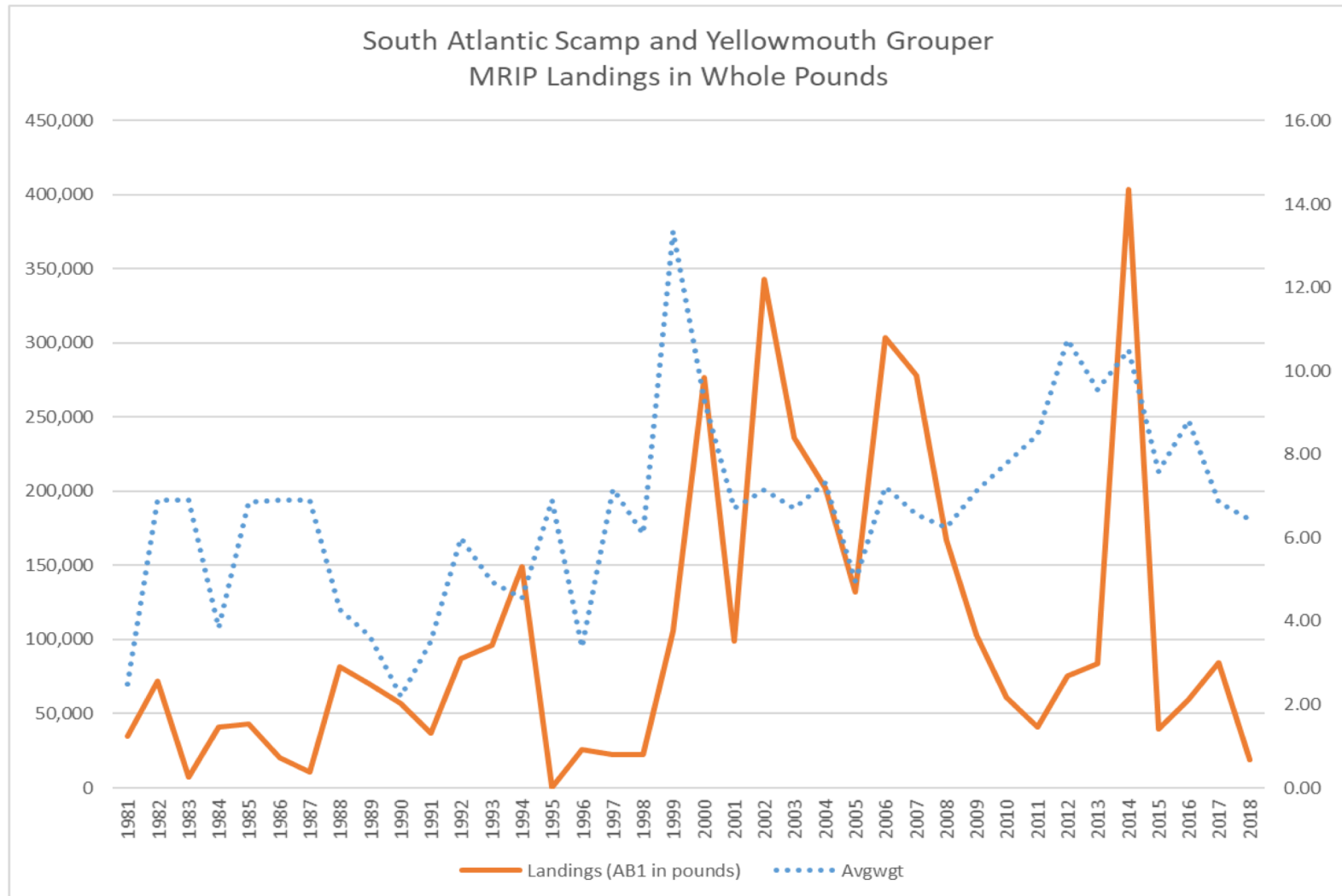
YEAR	Cbt		Hbt		Priv		Priv/Shore		Shore		Total Sum of AB1	Total Sum of B2
	Sum of AB1	Sum of B2	Sum of AB1	Sum of B2	Sum of AB1	Sum of B2	Sum of AB1	Sum of B2	Sum of AB1	Sum of B2		
1981	10,137	0	6,340	0	37,194	0			7,213	0	60,884	0
1982	13,353	1,411	8,351	883	80,044	50,137			10,696	24,152	112,445	76,583
1983	20,432	1,089	12,779	681	16,305	0					49,516	1,771
1984	5,768	1,389	3,608	869							9,376	2,257
1985	5,714	7,453	3,563	4,662	11,386	0					20,663	12,115
1986	22,873	30,041			24,902	24,077					47,775	54,118
1987	10,150	605			58,366	823					68,516	1,428
1988	11,175	323			28,352	3,378					39,527	3,701
1989	12,590	1,858			6,021	0					18,611	1,858
1990	6,450	4,395			74	36,301					6,524	40,696
1991	5,170	0			9,703	3,128					14,873	3,128
1992	10,118	4,443			3,534	27,406					13,651	31,849
1993	14,397	2,723			9,036	37,345					23,434	40,068
1994	12,769	2,007			99	10,786			0	5,022	12,868	17,814
1995	4,296	1,922			34	2,859					4,330	4,780
1996	12,281	114			32	816					12,313	930
1997	10,200	3,554			4,519	3,471					14,720	7,025
1998	20,104	1,661			629	2,884					20,733	4,545
1999	26,794	661			12,935	8,983					39,730	9,645
2000	5,297	2,153			5,265	61,616					10,563	63,768
2001	10,311	3,792			3,263	51,082					13,574	54,874
2002	10,832	8,637			13,631	11,268					24,463	19,904
2003	11,725	5,886			33,667	164,133					45,392	170,019
2004	31,443	20,433			20,665	156,051					52,108	176,484
2005	17,904	6,051			43,379	20,881					61,283	26,932
2006	17,974	1,650			87,416	17,476					105,390	19,127
2007	11,912	6,408			28,549	82,688					40,461	89,096
2008	9,168	9,896			50,681	104,783					59,849	114,679
2009	12,582	5,081			36,665	138,261					49,247	143,342
2010	6,260	7,153			21,147	224,917					27,407	232,070
2011	14,872	1,698			29,077	29,744					43,949	31,442
2012	11,210	1,370			64,982	183,013					76,192	184,383
2013	14,262	3,009			62,888	25,356					77,150	28,365
2014	18,497	5,941			56,516	119,954	1,322	0			76,336	125,895
2015	13,668	5,988			90,147	178,674	2,179	0			105,994	184,662
2016	24,430	17,399			42,997	41,688	1,125	0			68,552	59,087
2017	14,916	5,222			31,271	71,870	257	0	0	1,149	46,444	78,241
2018	7,121	2,181			44,316	8,669	2,802	0	0	8,702	54,239	19,552
Grand Total	499,155	185,597	34,641	7,094	1,069,688	1,904,517	7,685	0	17,908	39,025	1,629,078	2,136,232



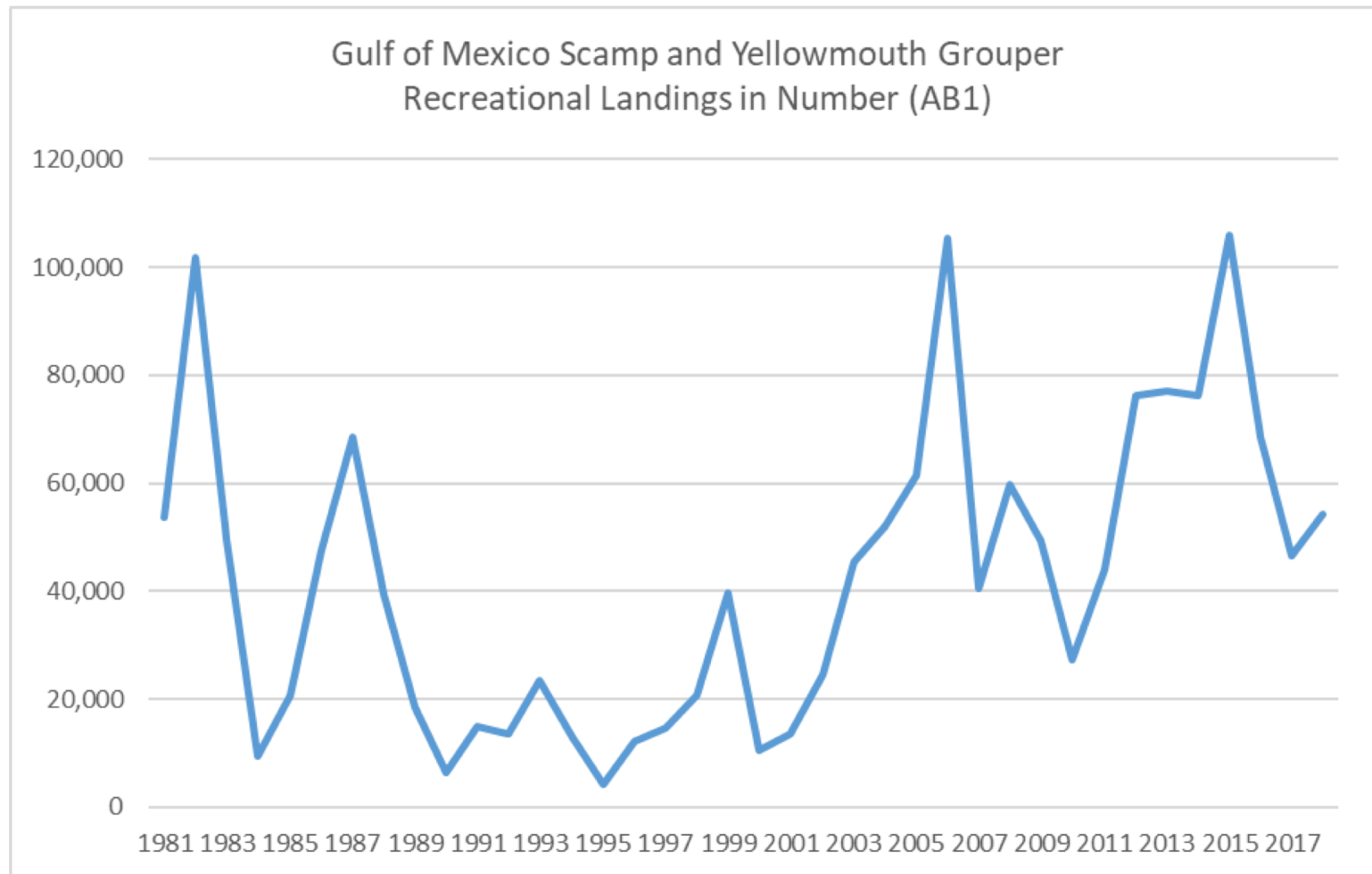
# MRIP SCA/YMG South Atlantic Landings



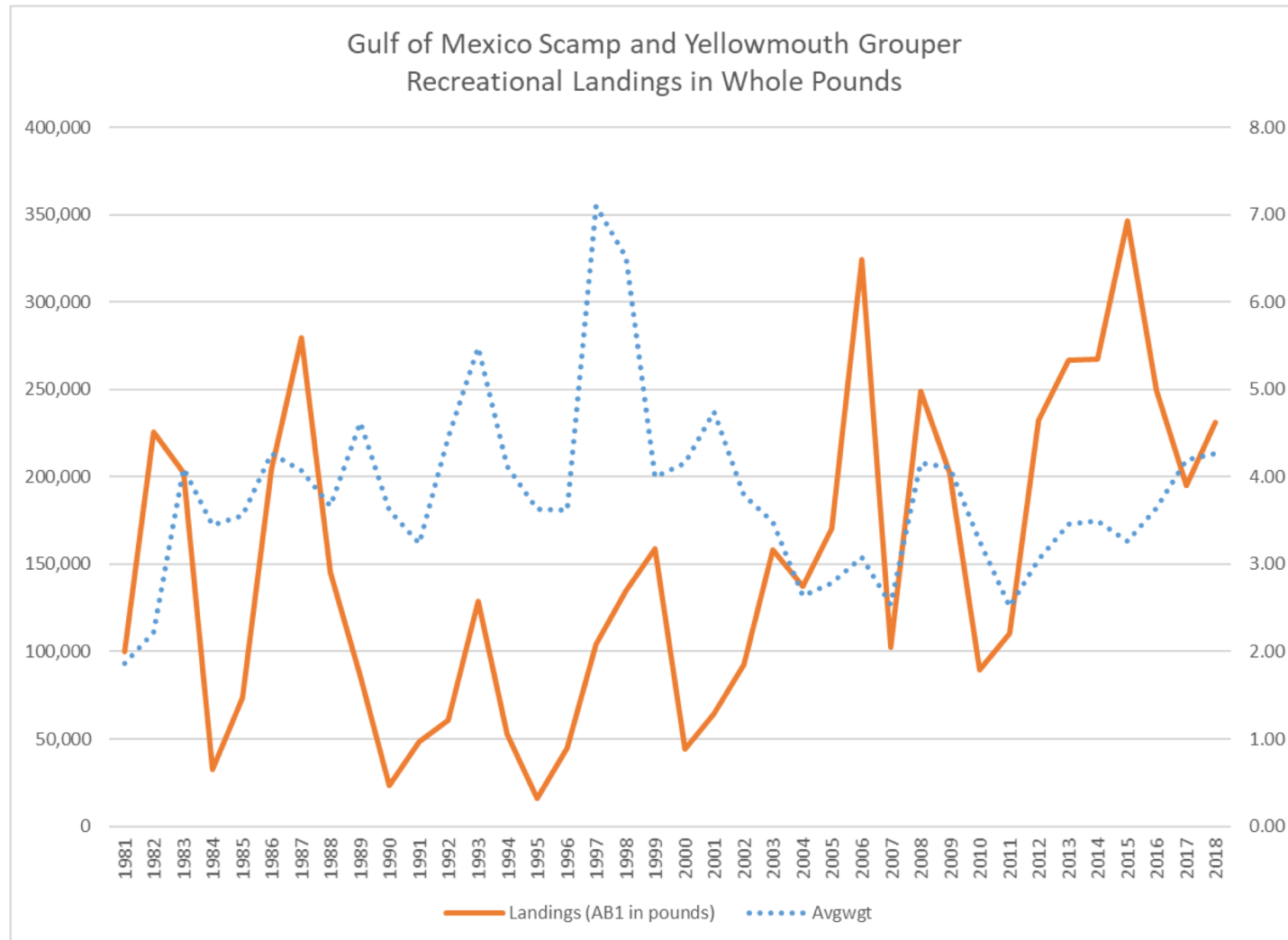
# MRIP SCA/YMG South Atlantic Landings



# MRIP, TPWD, LA Creel SCA/YMG Gulf of Mexico Landings



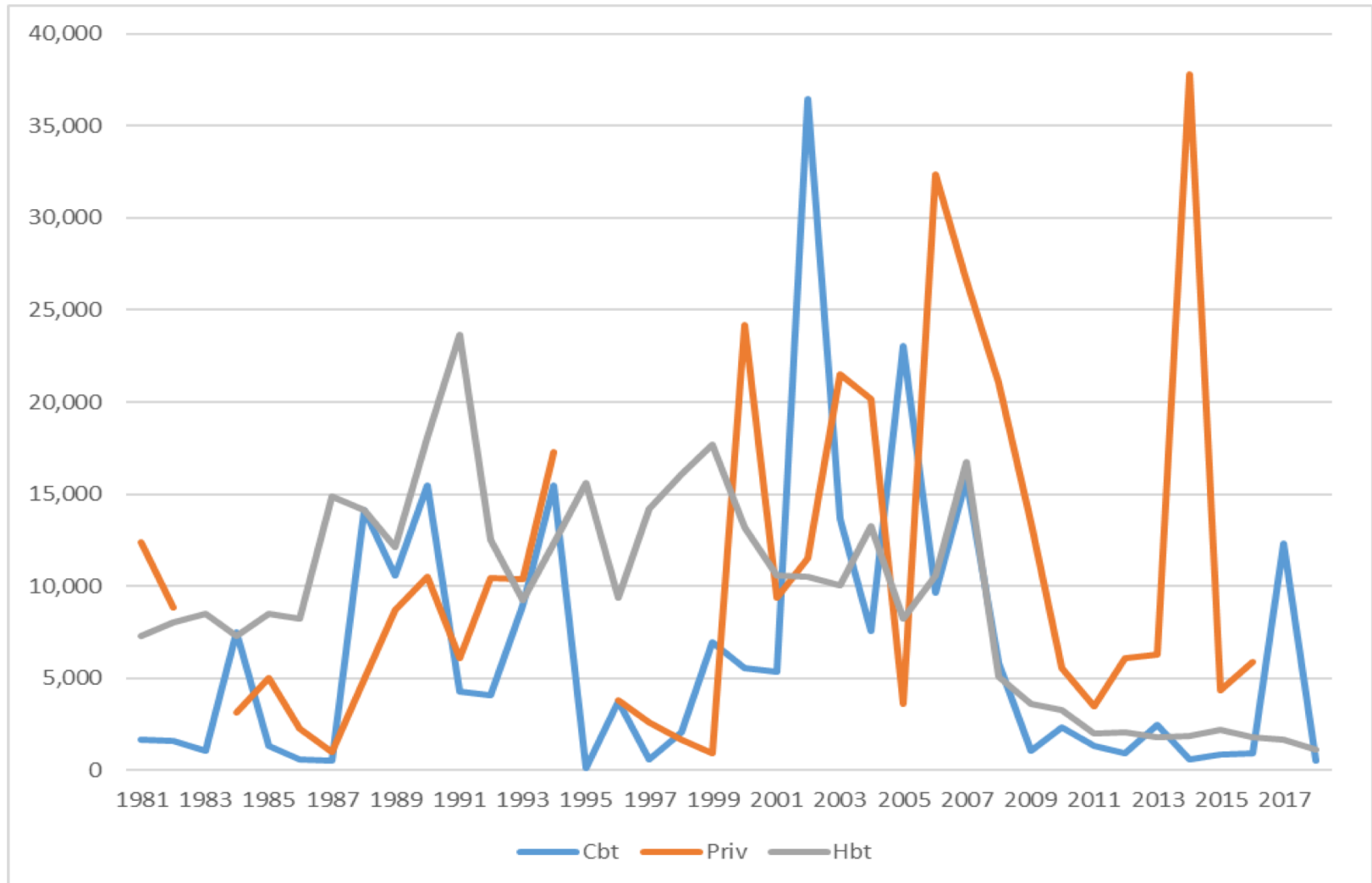
# MRIP, TPWD, LA Creel SCA/YMG Gulf of Mexico Landings



# Total Recreational Landings

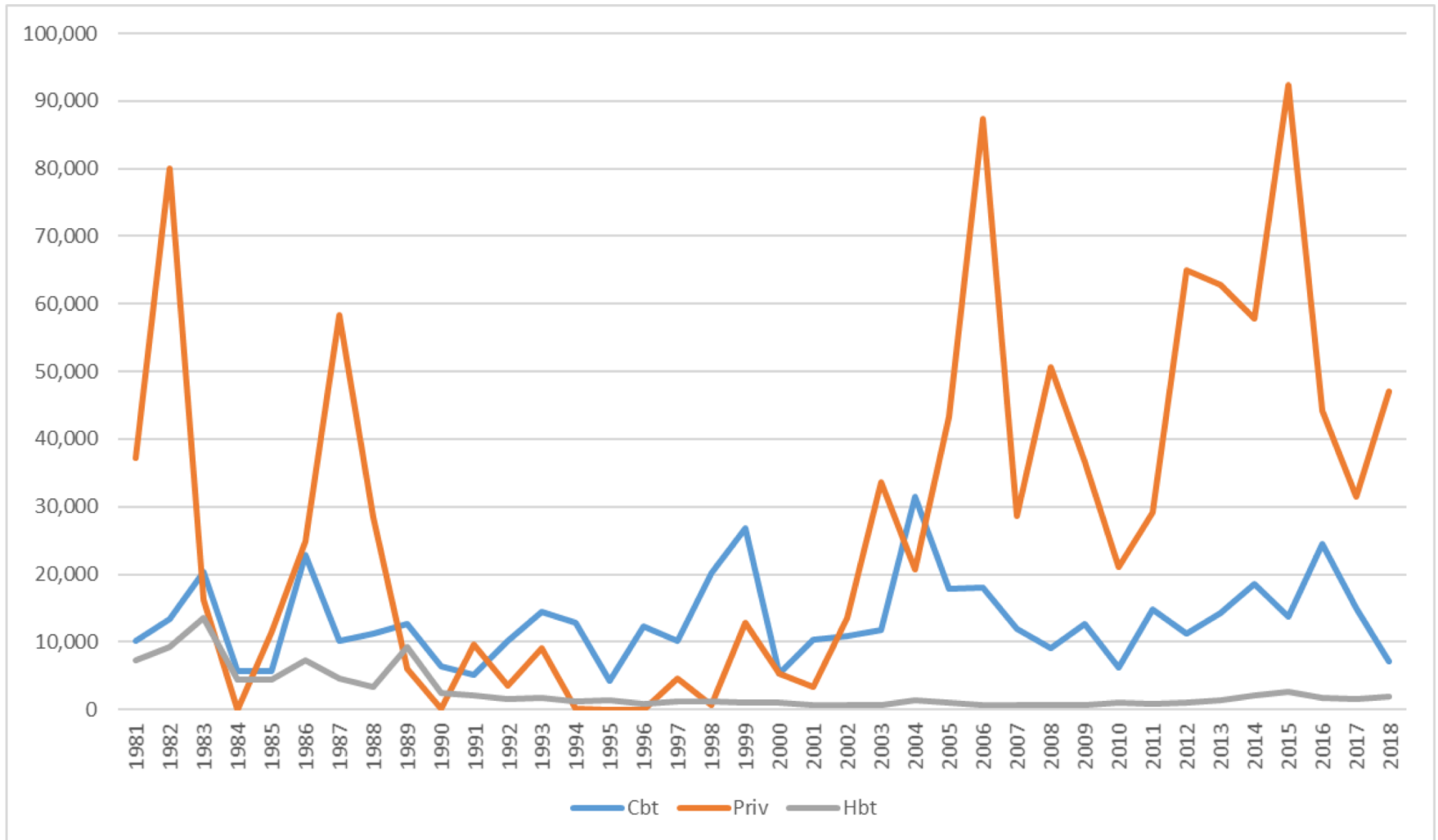


# Total Recreational Landings- South Atlantic





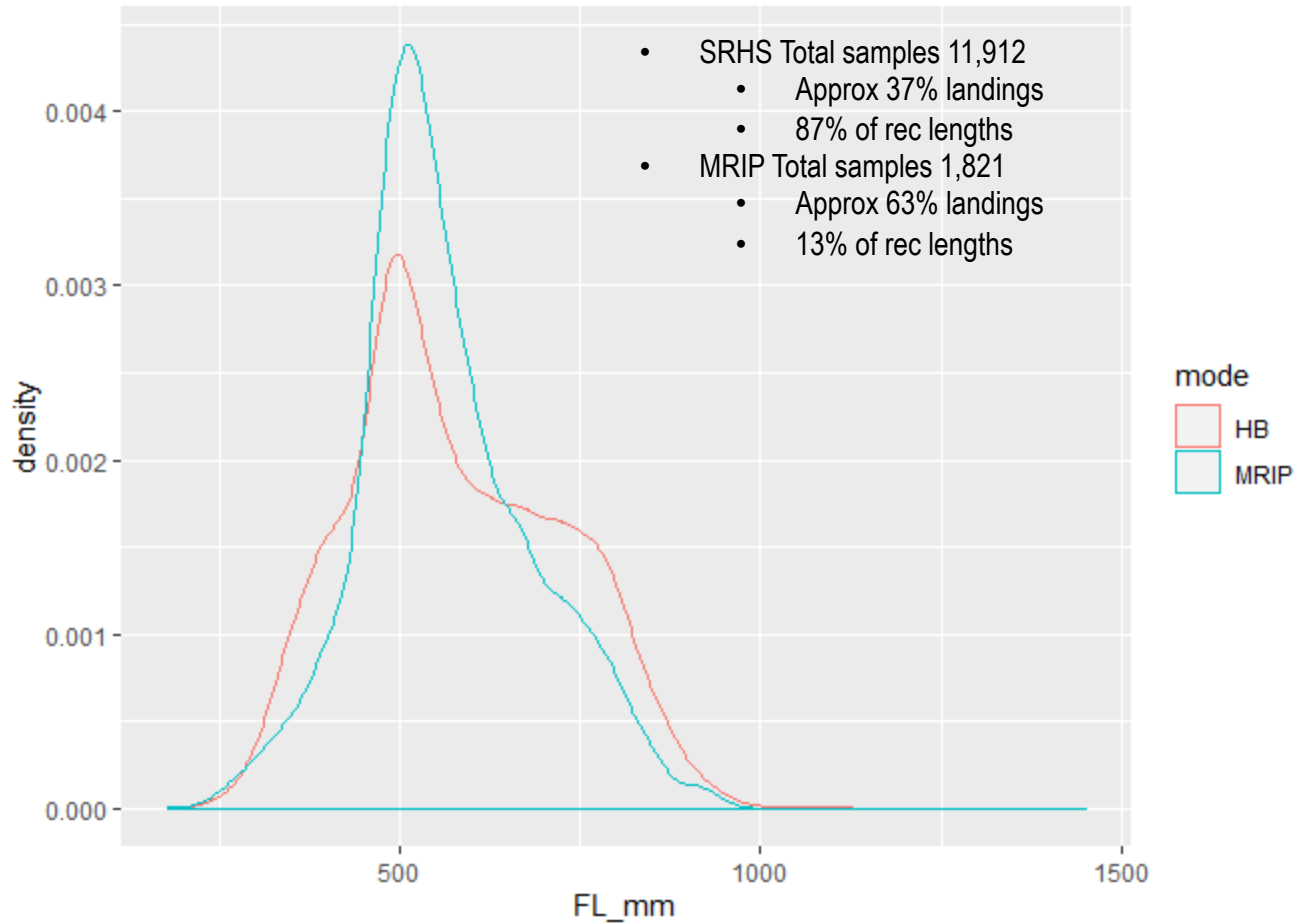
# Total Recreational Landings- Gulf of Mexico



# Density Plots



# Recreational Lengths-South Atlantic



# Recreational Lengths- South Atlantic

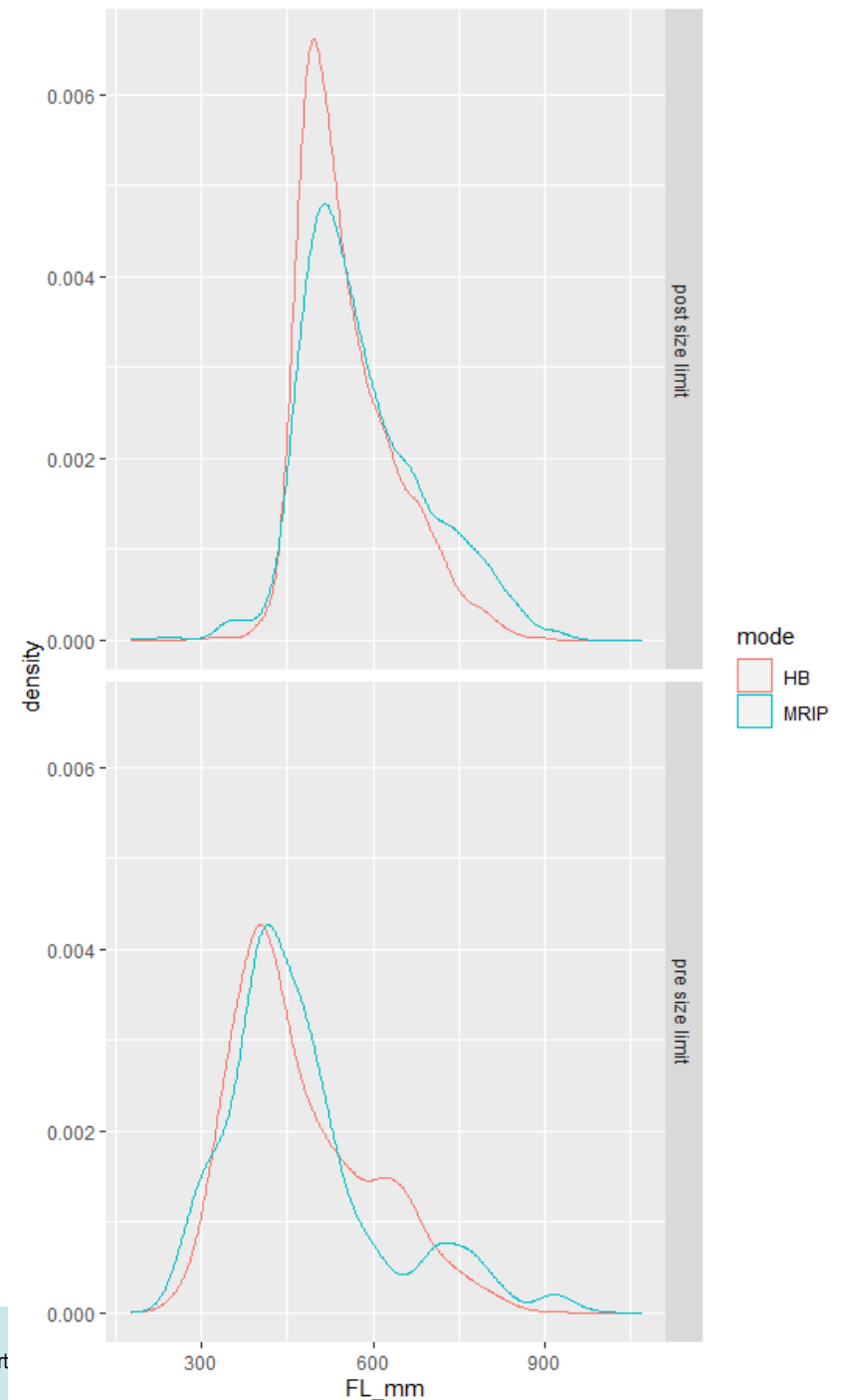
**Issue:** Should the fleets be separated or considered together?

**Considerations:**

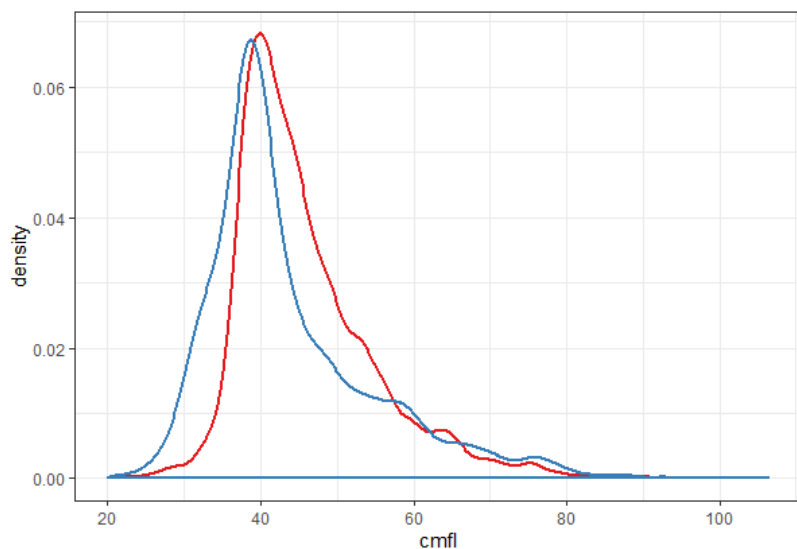
- Similar densities between headboat and charter/private modes
- SRHS sampling more intense

**Recommendations:**

- Single recreational fleet



# Recreational Lengths- Gulf of Mexico



Fishing Mode	Mean	Variance	n
Charter/Private	45.83	81.13	5845
Headboat	43.71	120.46	2449

**Issue:** Should the fleets be separated or considered together?

## Considerations:

- Slight difference in length compositions between fishing modes
- Headboat landings are minimal compared to Charter/Private landings
- SRHS sampling more intense compared to MRIP pre-size limit

## Recommendations:

- Single recreational fleet

# Historical Landings

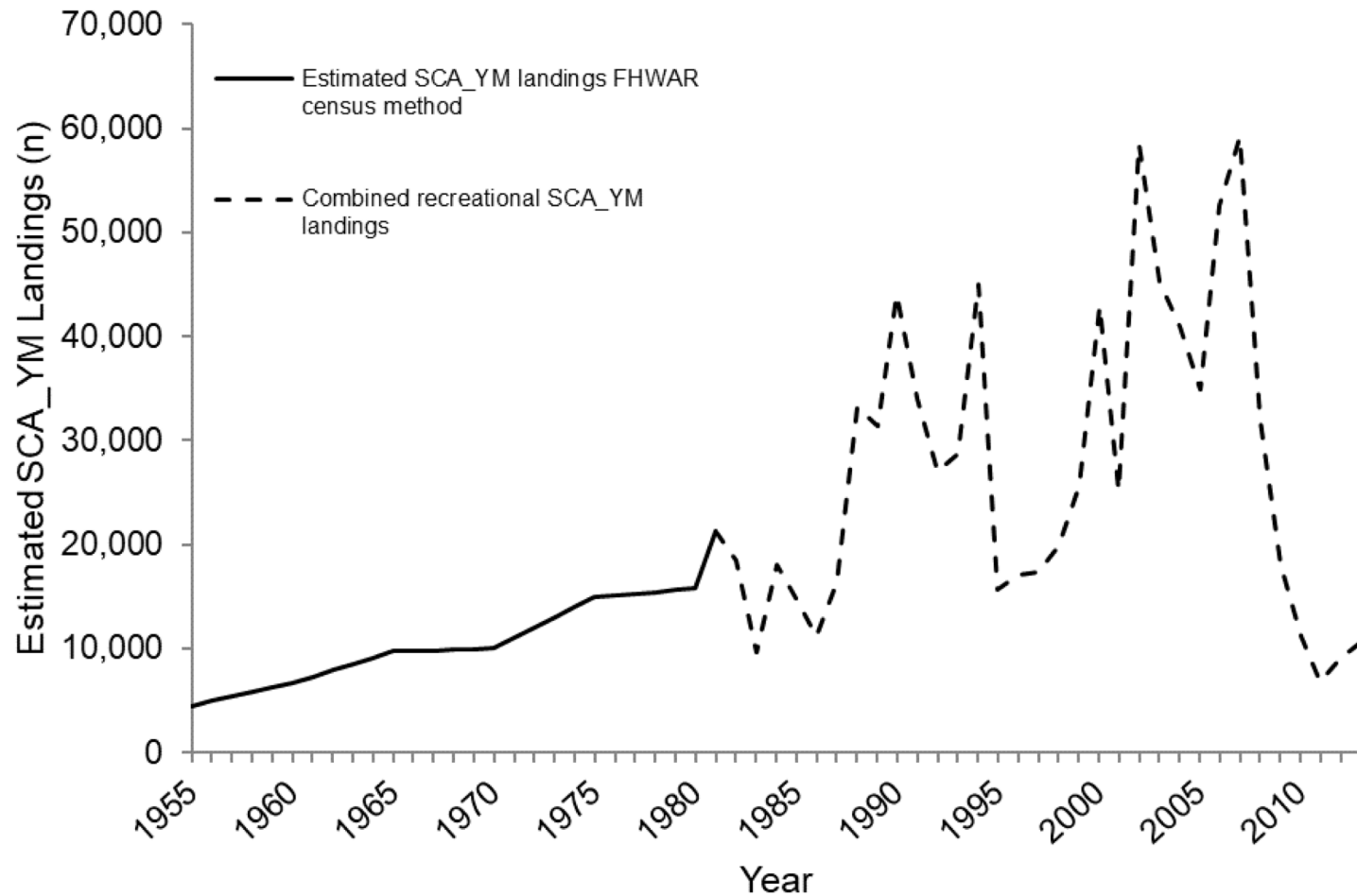


# Historical landings

FHWAR (National Survey of Fishing, Hunting, and Wildlife-Associated Recreation Survey)

- U.S Fish and Wildlife Service - every 5 years since 1955
- U.S. anglers and U.S. saltwater anglers
- Total recreational mean CPUE 1981-1985, following Best Practices
- Used to estimate recreational landings prior to 1981 (1955-1980)

# FHWAR Method – South Atlantic





# FHWAR Method – Gulf of Mexico

