

TABLE 4.5.3a SOUTHEAST REGION FISH BYCATCH BY FISHERY (2013) Bycatch estimates are in live pounds or number of individuals, except where indicated, and reflect the average from the years identified. Fishery bycatch ratio = bycatch / (bycatch + landings). Some bycatch ratios (marked **) could not be developed, e.g., where bycatch was by weight and numbers of individuals, and landings were in pounds. Bycatch of a species that is the object of a directed fishery (e.g., swordfish in the Atlantic and Gulf of Mexico HMS

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Atlantic and Gulf of Mexico HMS Pelagic Longline #						
Albacore - North Atlantic	Thunnus alalunga	2013	82,867.00	POUND		
Bigeye tuna - Atlantic	Thunnus obesus	2013	35,806.00	POUND		
Blackfin tuna - South Atlantic	Thunnus atlanticus	2013	38,671.00	POUND		
Blue marlin - Atlantic	Makaira nigricans	2013	121,598.00	POUND		
Blue shark - North Atlantic	Prionace glauca	2013	218,511.00	POUND		
Bluefin tuna - Western Atlantic	Thunnus thynnus	2013	319,685.00	POUND		
Coastal shark group 1 - South Atlantic		2013	96,949.00	POUND		
Coastal shark group 2 - South Atlantic		2013	1,171.00	POUND		
Sailfish - South Atlantic	Istiophorus platypterus	2013	25,066.00	POUND		
Skipjack tuna - South Atlantic	Katsuwonus pelamis	2013	27,475.00	POUND		
Swordfish - North Atlantic	Xiphias gladius	2013	264,184.00	POUND		
White marlin - Atlantic	Kajikia albida	2013	22,160.00	POUND		
Yellowfin tuna - Atlantic	Thunnus albacares	2013	119,235.00	POUND		
TOTAL FISHERY BYCATCH			1,373,378.00	POUND		
TOTAL FISHERY LANDINGS			6,159,902.00	POUND		
TOTAL CATCH (Bycatch + Landings)			7,533,280.00	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)			0.18			
Gulf of Mexico Coastal Migratory Pelagic Gillnet						
Atlantic bonito	Sarda sarda	2013	189.90	INDIVIDUAL	0.30	
Atlantic sharpnose shark	Rhizoprionodon terraenovae	2013	528.90	INDIVIDUAL	0.30	
Blacknose shark	Carcharhinus acronotus	2013	189.90	INDIVIDUAL	0.40	
Bluefish	Pomatomus saltatrix	2013	81.40	INDIVIDUAL	0.40	
King mackerel	Scomberomorus cavalla	2013	379.80	INDIVIDUAL	0.30	
Red grouper	Epinephelus morio	2013	40.70	INDIVIDUAL	0.30	
TOTAL FISHERY BYCATCH			1,410.60	INDIVIDUAL		
TOTAL FISHERY LANDINGS			1,662,345.00	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)			**			
Gulf of Mexico Coastal Migratory Pelagic Troll						
Amberfishes, banded rudderfish, amberjacks, and yellowtails	Seriola	2013	98.80	INDIVIDUAL	4.90	
Atlantic sharpnose shark	Rhizoprionodon terraenovae	2013	195.00	INDIVIDUAL	7.71	
Blacktip shark	Carcharhinus limbatus	2013	255.30	INDIVIDUAL	3.62	

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Cartilaginous fishes	Chondrichthyes	2013	421.90	INDIVIDUAL	3.50	
Cobia	Rachycentron canadum	2013	31.20	INDIVIDUAL	9.38	
Crevalle jack	Caranx hippos	2013	1,365.70	INDIVIDUAL	2.88	
King mackerel	Scomberomorus cavalla	2013	13,289.00	INDIVIDUAL	0.81	
Little tunny	Euthynnus alletteratus	2013	1,528.70	INDIVIDUAL	3.60	
Red grouper	Epinephelus morio	2013	20.80	INDIVIDUAL	9.38	
Red snapper	Lutjanus campechanus	2013	854.60	INDIVIDUAL	5.06	
Scalloped hammerhead	Sphyrna lewini	2013	5.20	INDIVIDUAL	9.38	
Yellowfin tuna	Thunnus albacares	2013	62.40	INDIVIDUAL	9.38	
TOTAL FISHERY BYCATCH			18,128.60	INDIVIDUAL		
TOTAL FISHERY LANDINGS			658,577.00	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)				**		
Gulf of Mexico Reef Fish Bottom Longline						
African pompano	Alectis ciliaris	2013	24.90	INDIVIDUAL	12.81	
Amberfishes, banded rudderfish, amberjacks, and yellowtails	Seriola	2013	352.40	INDIVIDUAL	8.82	
Bar jack	Carangoides ruber	2013	329.00	INDIVIDUAL	12.81	
Barracudas	Sphyrnaeidae	2013	157.90	INDIVIDUAL	8.83	
Black drum	Pogonias cromis	2013	3,162.30	INDIVIDUAL	6.35	
Black grouper	Mycteroperca bonaci	2013	46.40	INDIVIDUAL	9.03	
Blueline tilefish	Caulolatilus microps	2013	5,219.20	INDIVIDUAL	7.20	
Cobia	Rachycentron canadum	2013	23.90	INDIVIDUAL	6.42	
Gag	Mycteroperca microlepis	2013	5,343.00	INDIVIDUAL		
Goliath grouper	Epinephelus itajara	2013	10.00	INDIVIDUAL	12.81	
Gray snapper	Lutjanus griseus	2013	39.90	INDIVIDUAL	12.81	
Gray triggerfish	Balistes capriscus	2013	3.00	INDIVIDUAL	3.25	
Greater amberjack	Seriola dumerili	2013	630.00	INDIVIDUAL	2.19	
Grunts	Haemulidae	2013	269.10	INDIVIDUAL	12.81	
Lesser amberjack	Seriola fasciata	2013	83.90	INDIVIDUAL	9.47	
Little tunny	Euthynnus alletteratus	2013	29.90	INDIVIDUAL	12.81	
Red drum	Sciaenops ocellatus	2013	72,824.10	INDIVIDUAL	3.70	
Red grouper	Epinephelus morio	2011	840,290.00	INDIVIDUAL		
Red snapper	Lutjanus campechanus	2013	17,588.00	INDIVIDUAL	1.46	
Rock hind	Epinephelus adscensionis	2013	5.00	INDIVIDUAL	12.81	
Scamp	Mycteroperca phenax	2013	7.50	INDIVIDUAL	12.81	
Speckled hind	Epinephelus drummondhayi	2013	107.40	INDIVIDUAL	12.81	
Tilefish	Lopholatilus chamaeleonticeps	2013	1,166.30	INDIVIDUAL	10.27	

Table 4.5.3a

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Tilefishes	Malacanthidae	2013	168.60	INDIVIDUAL	12.81	
Yellowedge grouper	Epinephelus flavolimbatus	2013	392.10	INDIVIDUAL	9.81	
TOTAL FISHERY BYCATCH			948,273.80	INDIVIDUAL		
TOTAL FISHERY LANDINGS			5,126,757.00	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)			**			
Gulf of Mexico Reef Fish Vertical Line						
Amberfishes, banded rudderfish, amberjacks, and yellowtails	Seriola	2013	19,600.00	INDIVIDUAL	10.79	
Atlantic sharpnose shark	Rhizoprionodon terraenovae	2013	1,828.00	INDIVIDUAL	11.80	
Banded rudderfish	Seriola zonata	2013	791.70	INDIVIDUAL	33.72	
Barracudas	Sphyrnaeidae	2013	3,131.60	INDIVIDUAL	16.07	
Bigeye	Priacanthus arenatus	2013	3.90	INDIVIDUAL	34.04	
Bigeye scad	Selar crumenophthalmus	2013	6.70	INDIVIDUAL	24.36	
Black grouper	Mycteroperca bonaci	2013	2,996.00	INDIVIDUAL	12.37	
Black sea bass	Centropristis striata	2013	114,466.50	INDIVIDUAL	16.50	
Blacknose shark	Carcharhinus acronotus	2013	2,842.80	INDIVIDUAL	13.36	
Blacktip shark	Carcharhinus limbatus	2013	363.00	INDIVIDUAL	34.04	
Blowfish	Tetraodontidae	2013	2,450.50	INDIVIDUAL	25.37	
Blue runner	Caranx crysos	2013	456.10	INDIVIDUAL	27.54	
Bluefish	Pomatomus saltatrix	2013	2,314.30	INDIVIDUAL	24.10	
Breams and porgies	Sparidae	2013	6,884.70	INDIVIDUAL	24.48	
Bull shark	Carcharhinus leucas	2013	21.20	INDIVIDUAL	18.17	
Cobia	Rachycentron canadum	2013	2,336.00	INDIVIDUAL	31.80	
Crevalle jack	Caranx hippos	2013	4,534.90	INDIVIDUAL	16.89	
Dolphinfish	Coryphaena	2013	27.20	INDIVIDUAL	34.04	
Dusky shark	Carcharhinus obscurus	2013	7.80	INDIVIDUAL	34.04	
Finetooth shark	Carcharhinus isodon	2013	48.60	INDIVIDUAL	34.04	
Gag	Mycteroperca microlepis	2013	29,102.00	INDIVIDUAL		
Goliath grouper	Epinephelus itajara	2013	1,642.80	INDIVIDUAL	12.14	
Gray snapper	Lutjanus griseus	2013	24,609.90	INDIVIDUAL	12.54	
Gray triggerfish	Balistes capriscus	2013	181,506.00	INDIVIDUAL	1.73	
Great hammerhead	Sphyrna mokarran	2013	27.20	INDIVIDUAL	34.04	
Greater amberjack	Seriola dumerili	2013	306,724.00	INDIVIDUAL	3.50	
Grunts	Haemulidae	2013	5,240.80	INDIVIDUAL	33.96	
Hammerhead sharks	Sphyrnidae	2013	226.30	INDIVIDUAL	30.85	
Hogfish	Lachnolaimus maximus	2013	157.90	INDIVIDUAL	33.55	
Jacks and pompanos	Carangidae	2013	560.90	INDIVIDUAL	33.39	

Table 4.5.3a

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Jolthead porgy	<i>Calamus bajonado</i>	2013	9,179.60	INDIVIDUAL	17.70	
King mackerel	<i>Scomberomorus cavalla</i>	2013	13,289.00	INDIVIDUAL	0.81	
Kingfishes	<i>Menticirrhus</i>	2013	45.40	INDIVIDUAL	34.04	
Lane snapper	<i>Lutjanus synagris</i>	2013	2,737.30	INDIVIDUAL	21.78	
Lemon shark	<i>Negaprion brevirostris</i>	2013	374.40	INDIVIDUAL	34.04	
Lesser amberjack	<i>Seriola fasciata</i>	2013	3,863.30	INDIVIDUAL	24.03	
Little tunny	<i>Euthynnus alletteratus</i>	2013	5,375.70	INDIVIDUAL	16.01	
Mutton snapper	<i>Lutjanus analis</i>	2013	630.10	INDIVIDUAL	26.71	
Nurse shark	<i>Ginglymostoma cirratum</i>	2013	1,234.50	INDIVIDUAL	14.05	
Octopus	<i>Octopodidae</i>	2013	544.60	INDIVIDUAL	34.04	
Osteichthyes	<i>Osteichthyes</i>	2013	848.00	INDIVIDUAL	10.97	
Pinfish	<i>Lagodon rhomboides</i>	2013	13.10	INDIVIDUAL	34.04	
Red drum	<i>Sciaenops ocellatus</i>	2013	1,723.50	INDIVIDUAL	23.09	
Red grouper	<i>Epinephelus morio</i>	2011	405,278.00	INDIVIDUAL		
Red hind	<i>Epinephelus guttatus</i>	2013	136.10	INDIVIDUAL	34.04	
Red porgy	<i>Pagrus pagrus</i>	2013	1,893.00	INDIVIDUAL	21.50	
Red snapper	<i>Lutjanus campechanus</i>	2013	498,291.00	INDIVIDUAL	1.23	
Reef shark	<i>Carcharhinus perezi</i>	2013	425.40	INDIVIDUAL	34.04	
Remora	<i>Remora</i>	2013	94.40	INDIVIDUAL	32.76	
Sand perch	<i>Diplectrum formosum</i>	2013	19,214.90	INDIVIDUAL	25.14	
Sandbar shark	<i>Carcharhinus plumbeus</i>	2013	249.60	INDIVIDUAL	17.76	
Scamp	<i>Mycteroperca phenax</i>	2013	13,685.70	INDIVIDUAL	9.83	
Sea chubs	<i>Kyphosidae</i>	2013	108.90	INDIVIDUAL	34.04	
Sheepshead	<i>Archosargus probatocephalus</i>	2013	14,975.10	INDIVIDUAL	24.07	
Silky shark	<i>Carcharhinus falciformis</i>	2013	1,229.80	INDIVIDUAL	23.67	
Smalltail shark	<i>Carcharhinus porosus</i>	2013	326.70	INDIVIDUAL	34.04	
Snappers	<i>Lutjanidae</i>	2013	1,529.10	INDIVIDUAL	12.26	
Spinner shark	<i>Carcharhinus brevipinna</i>	2013	10.50	INDIVIDUAL	29.79	
Tiger shark	<i>Galeocerdo cuvier</i>	2013	488.10	INDIVIDUAL	16.50	
Tilefishes	<i>Malacanthidae</i>	2013	19.80	INDIVIDUAL	25.20	
True eels	<i>Anguilliformes</i>	2013	201.00	INDIVIDUAL	31.64	
Vermilion snapper	<i>Rhomboplites aurorubens</i>	2013	55,219.30	INDIVIDUAL	7.05	
Warsaw grouper	<i>Epinephelus nigritus</i>	2013	5.90	INDIVIDUAL	27.13	
White grunt	<i>Haemulon plumierii</i>	2013	207,003.10	INDIVIDUAL	13.77	
White shark	<i>Carcharodon carcharias</i>	2013	2.00	INDIVIDUAL	34.04	
Yellowtail snapper	<i>Ocyurus chrysurus</i>	2013	97,235.20	INDIVIDUAL	5.10	

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COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
TOTAL FISHERY BYCATCH			2,072,390.40	INDIVIDUAL		
TOTAL FISHERY LANDINGS			8,638,341.00	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)			**			
Gulf of Mexico Shrimp Trawl						
Atlantic croaker	Micropogonias undulatus	2013	52,347,481.30	POUND	0.10	
Atlantic sharpnose shark	Rhizoprionodon terraenovae	2013	1,371,951.30	POUND	0.10	
Black drum	Pogonias cromis	2013	517,040.80	POUND	0.20	
Blacknose shark	Carcharhinus acronotus	2013	42,363.10	POUND	0.40	
Blacktip shark	Carcharhinus limbatus	2013	372,996.20	POUND	0.20	
Bonnethead	Sphyrna tiburo	2013	304,832.40	POUND	0.10	
Cobia	Rachycentron canadum	2013	2,663.20	POUND	0.50	
Finetooth shark	Carcharhinus isodon	2013	44,252.10	POUND	0.60	
Grouped finfish other than listed - Gulf of Mexico		2013	108,398,331.80	POUND	0.10	
Grouped sharks - Gulf of Mexico		2013	241,840.70	POUND	0.20	
King mackerel	Scomberomorus cavalla	2013	228,295.80	POUND	0.10	
Lane snapper	Lutjanus synagris	2013	234,492.80	POUND	0.10	
Longspine porgy	Stenotomus caprinus	2013	11,554,018.90	POUND	0.10	
Non-crustacean invertebrates - Gulf of Mexico		2013	19,889,397.10	POUND	0.10	
Non-penaeid shrimp crustacean - Gulf of Mexico		2013	24,163,982.10	POUND	0.10	
Red drum	Sciaenops ocellatus	2013	696,883.00	POUND	0.20	
Red snapper	Lutjanus campechanus	2013	1,473,227.30	POUND	0.10	
Seatrout and weakfish - Gulf of Mexico	Cynoscion	2013	18,526,439.00	POUND	0.10	
Smooth dogfish	Mustelus canis	2013	249,080.70	POUND	0.10	
Snappers	Lutjanidae	2013	3,347.70	POUND	0.50	
Southern flounder	Paralichthys lethostigma	2013	503,054.40	POUND	0.10	
Spanish mackerel	Scomberomorus maculatus	2013	970,140.40	POUND	0.10	
Spinner shark	Carcharhinus brevipinna	2013	3,449.70	POUND	0.70	
Spotted seatrout	Cynoscion nebulosus	2013	13,946.60	POUND	0.30	
Vermilion snapper	Rhomboplites aurorubens	2013	31,571.70	POUND	0.20	
TOTAL FISHERY BYCATCH			242,185,080.10	POUND		
TOTAL FISHERY LANDINGS			149,903,728.00	POUND		
TOTAL CATCH (Bycatch + Landings)			392,088,808.10	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)			0.62			
Southeastern Atlantic Coastal Gillnet (Including North Carolina)						
American Harvestfish	Peprilus paru	2013	24.60	INDIVIDUAL	0.86	
Atlantic bumper	Chloroscombrus chrysurus	2013	114.90	INDIVIDUAL	0.92	

Table 4.5.3a

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Atlantic croaker	Micropogonias undulatus	2013	24.60	INDIVIDUAL	1.12	
Atlantic cutlassfish	Trichiurus lepturus	2013	8.20	INDIVIDUAL	1.50	
Atlantic menhaden	Brevoortia tyrannus	2013	1,420.10	INDIVIDUAL	0.70	
Atlantic moonfish	Selene setapinnis	2013	41.00	INDIVIDUAL	1.24	
Atlantic sharpnose shark	Rhizoprionodon terraenovae	2013	394.00	INDIVIDUAL	0.95	
Banded drum	Larimus fasciatus	2013	65.70	INDIVIDUAL	0.79	
Blacktip shark	Carcharhinus limbatus	2013	24.60	INDIVIDUAL	0.86	
Blue runner	Caranx crysos	2013	49.30	INDIVIDUAL	0.12	
Bluefish	Pomatomus saltatrix	2013	180.60	INDIVIDUAL	0.90	
Bonnethead	Sphyrna tiburo	2013	180.60	INDIVIDUAL	1.06	
Butterfish	Peprilus triacanthus	2013	41.00	INDIVIDUAL	0.90	
Crevalle jack	Caranx hippos	2013	8.20	INDIVIDUAL	1.50	
Finetooth shark	Carcharhinus isodon	2013	16.40	INDIVIDUAL	1.06	
Gafftopsail catfish	Bagre marinus	2013	90.30	INDIVIDUAL	1.11	
King mackerel	Scomberomorus cavalla	2013	303.70	INDIVIDUAL	0.89	
Menhaden	Brevoortia	2013	41.00	INDIVIDUAL	1.24	
Non-crustacean invertebrates - Gulf of Mexico		2013	57.50	INDIVIDUAL	1.50	
Sand seatrout	Cynoscion arenarius	2013	279.10	INDIVIDUAL	0.71	
Scalloped hammerhead	Sphyrna lewini	2013	270.90	INDIVIDUAL	1.06	
Silver seatrout	Cynoscion nothus	2013	32.80	INDIVIDUAL	1.06	
Southern kingfish	Menticirrhus americanus	2013	16.40	INDIVIDUAL	1.06	
Spanish mackerel	Scomberomorus maculatus	2013	476.10	INDIVIDUAL	0.67	
Spinner shark	Carcharhinus brevipinna	2013	73.90	INDIVIDUAL	0.92	
Weakfish	Cynoscion regalis	2013	57.50	INDIVIDUAL	0.93	
Yellowfin menhaden	Brevoortia smithi	2013	73.90	INDIVIDUAL	1.12	
TOTAL FISHERY BYCATCH			4,366.90	INDIVIDUAL		
TOTAL FISHERY LANDINGS			14,507,340.00	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)				**		
Southeastern Atlantic Coastal Migratory Pelagic Troll						
Almaco jack	Seriola rivoliana	2013	1,898.60	INDIVIDUAL	8.26	
Amberfishes, banded rudderfish, amberjacks, and yellowtails	Seriola	2013	269.90	INDIVIDUAL	10.22	
Atlantic bonito	Sarda sarda	2013	294.30	INDIVIDUAL	7.15	
Atlantic sharpnose shark	Rhizoprionodon terraenovae	2013	160.00	INDIVIDUAL	5.76	
Barracudas	Sphyrnaeidae	2013	257.60	INDIVIDUAL	6.81	
Black grouper	Mycteroperca bonaci	2013	62.90	INDIVIDUAL	11.47	
Blackfin tuna	Thunnus atlanticus	2013	38.20	INDIVIDUAL	11.38	

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COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Blacktip shark	Carcharhinus limbatus	2013	407.10	INDIVIDUAL	4.98	
Bluefin tuna	Thunnus thynnus	2013	107.90	INDIVIDUAL	16.09	
Bluefish	Pomatomus saltatrix	2013	27.00	INDIVIDUAL	16.09	
Bull shark	Carcharhinus leucas	2013	55.70	INDIVIDUAL	10.16	
Cartilaginous fishes	Chondrichthyes	2013	1,281.20	INDIVIDUAL	5.05	
Cobia	Rachycentron canadum	2013	788.10	INDIVIDUAL	3.80	
Dolphinfish	Coryphaena	2013	1,696.90	INDIVIDUAL	12.42	
Gag	Mycteroperca microlepis	2013	157.70	INDIVIDUAL	11.39	
Gray snapper	Lutjanus griseus	2013	107.90	INDIVIDUAL	16.09	
Greater amberjack	Seriola dumerili	2013	2,138.60	INDIVIDUAL	5.48	
Hammerhead sharks	Sphyrnidae	2013	330.70	INDIVIDUAL	6.89	
King mackerel	Scomberomorus cavalla	2013	26,935.00	INDIVIDUAL	0.48	
Lemon shark	Negaprion brevirostris	2013	18.00	INDIVIDUAL	16.09	
Little tunny	Euthynnus alletteratus	2013	2,225.80	INDIVIDUAL	4.38	
Mutton snapper	Lutjanus analis	2013	13.50	INDIVIDUAL	16.09	
Osteichthyes	Osteichthyes	2013	46.20	INDIVIDUAL	11.98	
Red porgy	Pagrus pagrus	2013	36.00	INDIVIDUAL	16.09	
Red snapper	Lutjanus campechanus	2013	861.20	INDIVIDUAL	3.74	
Remora	Remora	2013	471.90	INDIVIDUAL	3.32	
Sailfish	Istiophorus platypterus	2013	14.90	INDIVIDUAL	11.36	
Scamp	Mycteroperca phenax	2013	396.40	INDIVIDUAL	11.36	
Scomber	Scomber	2013	18.00	INDIVIDUAL	16.09	
Spanish mackerel	Scomberomorus maculatus	2013	199.10	INDIVIDUAL	12.72	
Tiger shark	Galeocerdo cuvier	2013	7.70	INDIVIDUAL	16.09	
Wahoo	Acanthocybium solandri	2013	24.70	INDIVIDUAL	12.48	
Yellowfin tuna	Thunnus albacares	2013	1,231.10	INDIVIDUAL	5.68	
Yellowtail snapper	Ocyurus chrysurus	2013	161.80	INDIVIDUAL	16.09	
TOTAL FISHERY BYCATCH			42,741.60	INDIVIDUAL		
TOTAL FISHERY LANDINGS			315,662.00	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)					**	
Southeastern Atlantic Snapper-Grouper Bottom Longline						
Black sea bass	Centropristis striata	2013	2.30	INDIVIDUAL	10.10	
Blue shark	Prionace glauca	2013	26.50	INDIVIDUAL	7.74	
Blueline tilefish	Caulolatilus microps	2013	108.40	INDIVIDUAL	5.58	
Dasyatidae	Dasyatidae	2013	73.20	INDIVIDUAL	4.00	
Dogfish sharks	Squalidae	2013	47.80	INDIVIDUAL	7.11	

Table 4.5.3a

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Hakes	Urophycis	2013	116.90	INDIVIDUAL	5.99	
Night shark	Carcharhinus signatus	2013	15.70	INDIVIDUAL	6.17	
Non-crustacean invertebrates - Gulf of Mexico		2013	37.80	INDIVIDUAL	10.10	
Nurse shark	Ginglymostoma cirratum	2013	420.50	INDIVIDUAL	7.17	
Rays, sawfish, and skates	Rajiformes	2013	98.40	INDIVIDUAL	4.62	
Red snapper	Lutjanus campechanus	2013	205.40	INDIVIDUAL	5.19	
Sailfish	Istiophorus platypterus	2013	2.70	INDIVIDUAL	10.10	
Skates	Rajidae	2013	544.40	INDIVIDUAL	4.93	
Smooth dogfish	Mustelus canis	2013	4,728.40	INDIVIDUAL	8.18	
Snowy grouper	Epinephelus niveatus	2013	23.00	INDIVIDUAL	18.60	
TOTAL FISHERY BYCATCH			6,451.40	INDIVIDUAL		
TOTAL FISHERY LANDINGS			738,839.00	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)				**		
Southeastern Atlantic Snapper-Grouper Vertical Line						
African pompano	Alectis ciliaris	2013	205.70	INDIVIDUAL	19.51	
Almaco jack	Seriola rivoliana	2013	7,280.30	INDIVIDUAL	4.72	
Amberfishes, banded rudderfish, amberjacks, and yellowtails	Seriola	2013	10,281.20	INDIVIDUAL	8.61	
Atlantic bonito	Sarda sarda	2013	4,319.60	INDIVIDUAL	12.44	
Atlantic needlefish	Strongylura marina	2013	9,673.40	INDIVIDUAL	15.15	
Atlantic sharpnose shark	Rhizoprionodon terraenovae	2013	1,972.70	INDIVIDUAL	11.79	
Banded rudderfish	Seriola zonata	2013	5,774.70	INDIVIDUAL	9.77	
Bar jack	Carangoides ruber	2013	6,332.80	INDIVIDUAL	11.26	
Barracudas	Sphyraenidae	2013	574.80	INDIVIDUAL	14.03	
Barrelfish	Hyperoglyphe perciformis	2013	49.00	INDIVIDUAL	41.21	
Black grouper	Mycteroperca bonaci	2013	1,705.30	INDIVIDUAL	8.20	
Black margate	Anisotremus surinamensis	2013	19.60	INDIVIDUAL	41.21	
Black sea bass	Centropristis striata	2013	34,043.00	INDIVIDUAL	0.57	
Blacktip shark	Carcharhinus limbatus	2013	194.70	INDIVIDUAL	26.06	
Blowfish	Tetraodontidae	2013	673.80	INDIVIDUAL	30.25	
Blue runner	Caranx crysos	2013	14,570.00	INDIVIDUAL	9.99	
Bluefish	Pomatomus saltatrix	2013	2,619.60	INDIVIDUAL	24.05	
Blueline tilefish	Caulolatilus microps	2013	0.00	INDIVIDUAL	36.10	
Bluestriped grunt	Haemulon sciurus	2013	1,096.90	INDIVIDUAL	24.26	
Bonnethead	Sphyrna tiburo	2013	1,527.90	INDIVIDUAL	10.34	
Bull shark	Carcharhinus leucas	2013	19.60	INDIVIDUAL	41.21	
Cartilaginous fishes	Chondrichthyes	2013	15,484.90	INDIVIDUAL	7.75	

Table 4.5.3a

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Cobia	Rachycentron canadum	2013	3,641.30	INDIVIDUAL	9.43	
Coney	Cephalopholis fulva	2013	29.40	INDIVIDUAL	41.21	
Crevalle jack	Caranx hippos	2013	228.20	INDIVIDUAL	20.48	
Dealfish	Trachipterus arcticus	2013	35.30	INDIVIDUAL	41.21	
Dogfish sharks	Squalidae	2013	571.50	INDIVIDUAL	34.56	
Dolphinfish	Coryphaena	2013	2,067.20	INDIVIDUAL	20.67	
Florida pompano	Trachinotus carolinus	2013	91.40	INDIVIDUAL	29.43	
Frigate tuna	Auxis thazard	2013	235.10	INDIVIDUAL	41.21	
Gag	Mycteroperca microlepis	2013	17,318.40	INDIVIDUAL	7.34	
Goliath grouper	Epinephelus itajara	2013	743.70	INDIVIDUAL	11.35	
Gray snapper	Lutjanus griseus	2013	17,101.40	INDIVIDUAL	8.09	
Gray triggerfish	Balistes capriscus	2013	9,443.00	INDIVIDUAL	7.66	
Graysby	Cephalopholis cruentata	2013	398.30	INDIVIDUAL	14.96	
Greater amberjack	Seriola dumerili	2013	2,872.20	INDIVIDUAL	7.45	
Groupers and sea basses	Serranidae	2013	10,592.30	INDIVIDUAL	8.90	
Grunts	Haemulidae	2013	22,675.60	INDIVIDUAL	9.09	
Hammerhead sharks	Sphyrnidae	2013	4.40	INDIVIDUAL	29.31	
Hogfish	Lachnolaimus maximus	2013	79.00	INDIVIDUAL	63.60	
Horse-eye jack	Caranx latus	2013	14.70	INDIVIDUAL	41.21	
Jacks and pompanos	Carangidae	2013	230.80	INDIVIDUAL	34.14	
King mackerel	Scomberomorus cavalla	2013	26,935.00	INDIVIDUAL	0.48	
Ladyfish	Elops saurus	2013	78.40	INDIVIDUAL	41.21	
Lane snapper	Lutjanus synagris	2013	2,778.20	INDIVIDUAL	16.32	
Lemon shark	Negaprion brevirostris	2013	31.30	INDIVIDUAL	41.21	
Little tunny	Euthynnus alletteratus	2013	2,279.30	INDIVIDUAL	11.94	
Mooneye	Hiodontidae	2013	22.40	INDIVIDUAL	41.21	
Moray eels	Muraenidae	2013	31.30	INDIVIDUAL	41.21	
Mutton snapper	Lutjanus analis	2013	2,081.00	INDIVIDUAL	0.65	
Nurse shark	Ginglymostoma cirratum	2013	172.10	INDIVIDUAL	19.15	
Ocean triggerfish	Canthidermis sufflamen	2013	39.20	INDIVIDUAL	41.21	
Osteichthyes	Osteichthyes	2013	7,969.70	INDIVIDUAL	33.45	
Parrotfishes	Scaridae	2013	262.50	INDIVIDUAL	17.51	
Porkfish	Anisotremus virginicus	2013	2,343.40	INDIVIDUAL	9.75	
Queen triggerfish	Balistes vetula	2013	317.30	INDIVIDUAL	15.57	
Rainbow runner	Elagatis bipinnulata	2013	333.00	INDIVIDUAL	22.33	
Rays, sawfish, and skates	Rajiformes	2013	0.70	INDIVIDUAL	41.21	

Table 4.5.3a

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Red grouper	<i>Epinephelus morio</i>	2013	6,133.10	INDIVIDUAL	7.43	
Red hind	<i>Epinephelus guttatus</i>	2013	26.10	INDIVIDUAL	41.21	
Red porgy	<i>Pagrus pagrus</i>	2013	62,775.20	INDIVIDUAL	3.55	
Red snapper	<i>Lutjanus campechanus</i>	2013	17,547.00	INDIVIDUAL	7.00	
Reef shark	<i>Carcharhinus perezii</i>	2013	109.70	INDIVIDUAL	26.07	
Remora	<i>Remora</i>	2013	5,960.40	INDIVIDUAL	8.08	
Rock hind	<i>Epinephelus adscensionis</i>	2013	9.40	INDIVIDUAL	30.07	
Rock sea bass	<i>Centropristis philadelphica</i>	2013	15.20	INDIVIDUAL	29.43	
Sailfish	<i>Istiophorus platypterus</i>	2013	1,227.90	INDIVIDUAL	16.42	
Sand perch	<i>Diplectrum formosum</i>	2013	390.50	INDIVIDUAL	23.22	
Sand tiger	<i>Carcharias taurus</i>	2013	9.40	INDIVIDUAL	41.21	
Sand tilefish	<i>Malacanthus plumieri</i>	2013	5,503.30	INDIVIDUAL	9.20	
Sandbar shark	<i>Carcharhinus plumbeus</i>	2013	207.50	INDIVIDUAL	14.62	
Scads	Carangidae	2013	2,350.60	INDIVIDUAL	29.71	
Scamp	<i>Mycteroperca phenax</i>	2013	3,879.50	INDIVIDUAL	3.94	
Sea catfishes	Ariidae	2013	1,096.90	INDIVIDUAL	11.53	
Sea chubs	Kyphosidae	2013	560.00	INDIVIDUAL	21.03	
Silk snapper	<i>Lutjanus vivanus</i>	2013	24.50	INDIVIDUAL	41.21	
Silky shark	<i>Carcharhinus falciformis</i>	2013	39.20	INDIVIDUAL	41.21	
Smooth dogfish	<i>Mustelus canis</i>	2013	9.80	INDIVIDUAL	41.21	
Snappers	Lutjanidae	2013	17,185.00	INDIVIDUAL	10.53	
Snowy grouper	<i>Epinephelus niveatus</i>	2013	102.00	INDIVIDUAL	30.98	
Soliderfishes and squirrelfishes	Holocentridae	2013	199.80	INDIVIDUAL	26.46	
Spadefishes	Ephippidae	2013	1,059.70	INDIVIDUAL	20.39	
Spanish mackerel	<i>Scomberomorus maculatus</i>	2013	5,901.00	INDIVIDUAL	9.62	
Speckled hind	<i>Epinephelus drummondhayi</i>	2013	101.80	INDIVIDUAL	11.97	
Spinner shark	<i>Carcharhinus brevipinna</i>	2013	31.30	INDIVIDUAL	41.21	
Spottail pinfish	<i>Diplodus holbrookii</i>	2013	596.60	INDIVIDUAL	11.76	
Spotted seatrout	<i>Cynoscion nebulosus</i>	2013	673.80	INDIVIDUAL	20.59	
Thresher sharks	Alopias	2013	97.90	INDIVIDUAL	29.71	
Tiger shark	<i>Galeocerdo cuvier</i>	2013	278.40	INDIVIDUAL	18.98	
Tilefish	<i>Lopholatilus chamaeleonticeps</i>	2013	548.50	INDIVIDUAL	41.21	
Toad fishes	Batrachoididae	2013	1,708.10	INDIVIDUAL	11.15	
Tomtate	<i>Haemulon aurolineatum</i>	2013	623.80	INDIVIDUAL	13.67	
Triggerfishes	Balistidae	2013	20,621.40	INDIVIDUAL	5.58	
True eels	Anguilliformes	2013	29.40	INDIVIDUAL	41.21	

Table 4.5.3a

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Vermilion snapper	Rhomboplites aurorubens	2013	64,091.20	INDIVIDUAL	3.45	
Warsaw grouper	Epinephelus nigritus	2013	345.10	INDIVIDUAL	29.16	
White grunt	Haemulon plumierii	2013	1,322.20	INDIVIDUAL	19.43	
Wreckfish	Polyprion americanus	2013	31.30	INDIVIDUAL	29.13	
Yellow jack	Carangoides bartholomaei	2013	73.50	INDIVIDUAL	41.21	
Yellowtail snapper	Ocyurus chrysurus	2013	158,159.00	INDIVIDUAL	5.28	
TOTAL FISHERY BYCATCH			634,123.50	INDIVIDUAL		
TOTAL FISHERY LANDINGS			5,160,414.00	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)					**	
Southeastern Atlantic and Gulf of Mexico Shark Bottom Longline						
Atlantic sharpnose shark	Rhizoprionodon terraenovae	2013	1,254.17	INDIVIDUAL	0.15	
Blacktip shark	Carcharhinus limbatus	2013	602.00	INDIVIDUAL	0.25	
Finetooth shark	Carcharhinus isodon	2013	150.50	INDIVIDUAL	0.42	
Red drum	Sciaenops ocellatus	2013	100.33	INDIVIDUAL	0.43	
TOTAL FISHERY BYCATCH			2,107.00	INDIVIDUAL		
TOTAL FISHERY LANDINGS			643,291.00	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)					**	

FOOTNOTES:

Estimates are for dead discards only.

~ Bycatch estimate for the offshore portion of the fishery only (COLREGS line [beach] out to 50 fathoms).