

TABLE 4.5.1a SOUTHEAST REGION FISH BYCATCH BY FISHERY (2011) 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 Pelagic Longline fishery) may be regulatory discards, i.e., fish harvested in a fishery that cannot be kept by fishermen due to size restrictions or other regulations.

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Atlantic and Gulf of Mexico HMS Pelagic Longline #						
Albacore - North Atlantic	Thunnus alalunga	2011	62,547.00	POUND		
Bigeye tuna - Atlantic	Thunnus obesus	2011	43,788.00	POUND		
Blackfin tuna - South Atlantic	Thunnus atlanticus	2011	37,527.00	POUND		
Blue marlin - Atlantic	Makaira nigricans	2011	110,398.60	POUND		
Blue shark - North Atlantic	Prionace glauca	2011	450,796.30	POUND		
Bluefin tuna - Western Atlantic	Thunnus thynnus	2011	366,480.60	POUND		
Coastal shark group 1 - South Atlantic		2011	131,219.00	POUND		
Coastal shark group 2 - South Atlantic		2011	811.00	POUND		
Sailfish - South Atlantic	Istiophorus platypterus	2011	21,858.80	POUND		
Skipjack tuna - South Atlantic	Katsuwonus pelamis	2011	106,750.00	POUND		
Swordfish - North Atlantic	Xiphias gladius	2011	548,430.10	POUND		
White marlin - Atlantic	Kajikia albida	2011	78,757.80	POUND		
Yellowfin tuna - Atlantic	Thunnus albacares	2011	136,104.00	POUND		
TOTAL FISHERY BYCATCH			2,095,468.20	POUND		
TOTAL FISHERY LANDINGS			5,641,412.00	POUND		
TOTAL CATCH (Bycatch + Landings)			7,736,880.20	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)			0.27			
Gulf of Mexico Coastal Migratory Pelagic Gillnet						
Blacktip shark	Carcharhinus limbatus	2011	52.80	INDIVIDUAL	0.20	
King mackerel	Scomberomorus cavalla	2011	18,146.00	INDIVIDUAL	0.20	
Rays, sawfish, and skates	Rajiformes	2011	52.80	INDIVIDUAL	0.20	
Red grouper	Epinephelus morio	2011	52.80	INDIVIDUAL	0.20	
TOTAL FISHERY BYCATCH			18,304.40	INDIVIDUAL		
TOTAL FISHERY LANDINGS			1,668,152.00	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)			**			
Gulf of Mexico Coastal Migratory Pelagic Troll						
Amberfishes, banded rudderfish, amberjacks, and yellowtails	Seriola	2011	104.50	INDIVIDUAL	4.51	
Atlantic bonito	Sarda sarda	2011	50.30	INDIVIDUAL	8.31	
Atlantic sharpnose shark	Rhizoprionodon terraenovae	2011	805.10	INDIVIDUAL	8.31	

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Blacktip shark	Carcharhinus limbatus	2011	140.60	INDIVIDUAL	7.93	
Cartilaginous fishes	Chondrichthyes	2011	147.60	INDIVIDUAL	7.58	
Cobia	Rachycentron canadum	2011	57.50	INDIVIDUAL	8.31	
Crevalle jack	Caranx hippos	2011	222.40	INDIVIDUAL	3.9	
Dolphinfish	Coryphaena	2011	377.40	INDIVIDUAL	8.31	
Dusky shark	Carcharhinus obscurus	2011	58.70	INDIVIDUAL	5.13	
King mackerel	Scomberomorus cavalla	2011	13,289.00	INDIVIDUAL	0.72	
Little tunny	Euthynnus alletteratus	2011	50.30	INDIVIDUAL	8.31	
Red drum	Sciaenops ocellatus	2011	115.00	INDIVIDUAL	8.31	
Red snapper	Lutjanus campechanus	2011	1,943.00	INDIVIDUAL	4.99	
TOTAL FISHERY BYCATCH			17,361.40	INDIVIDUAL		
TOTAL FISHERY LANDINGS			310,988.00	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)					**	
Gulf of Mexico Reef Fish Bottom Longline						
Amberfishes, banded rudderfish, amberjacks, and yellowtails	Seriola	2011	885.10	INDIVIDUAL	9.56	
Barracudas	Sphyaenidae	2011	134.50	INDIVIDUAL	6.15	
Black grouper	Mycteroperca bonaci	2011	297.30	INDIVIDUAL	5.10	
Blue marlin	Makaira nigricans	2011	5.60	INDIVIDUAL	14.28	
Blueline tilefish	Caulolatilus microps	2011	12,618.50	INDIVIDUAL	7.56	
Cobia	Rachycentron canadum	2011	32.80	INDIVIDUAL	7.35	
Gag	Mycteroperca microlepis	2011	6,206.00	INDIVIDUAL		
Goliath grouper	Epinephelus itajara	2011	3.50	INDIVIDUAL	10.20	
Gray triggerfish	Balistes capriscus	2011	12.00	INDIVIDUAL	4.42	
Greater amberjack	Seriola dumerili	2011	938.00	INDIVIDUAL	1.22	
Little tunny	Euthynnus alletteratus	2011	198.30	INDIVIDUAL	4.89	
Mackerels	Scomberomorus	2011	9.90	INDIVIDUAL	10.88	
Osteichthyes	Osteichthyes	2011	1,705.30	INDIVIDUAL	10.41	
Red drum	Sciaenops ocellatus	2011	351.50	INDIVIDUAL	14.28	
Red grouper	Epinephelus morio	2011	1,408,009.00	INDIVIDUAL		
Red porgy	Pagrus pagrus	2011	16.70	INDIVIDUAL	14.28	
Red snapper	Lutjanus campechanus	2011	22,431.00	INDIVIDUAL	1.21	
Scamp	Mycteroperca phenax	2011	111.80	INDIVIDUAL	10.05	
Snowy grouper	Epinephelus niveatus	2011	1,014.40	INDIVIDUAL	13.75	
Speckled hind	Epinephelus drummondhayi	2011	260.30	INDIVIDUAL	6.16	
Swordfish	Xiphias gladius	2011	7.50	INDIVIDUAL	14.28	
Tilefish	Lopholatilus chamaeleonticeps	2011	8,226.80	INDIVIDUAL	11.51	

Table 4.5.1a

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Yellowedge grouper	Epinephelus flavolimbatus	2011	463.90	INDIVIDUAL	9.17	
TOTAL FISHERY BYCATCH			1,463,939.70	INDIVIDUAL		
TOTAL FISHERY LANDINGS			4,890,936.00	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)				**		
Gulf of Mexico Reef Fish Vertical Line						
Almaco jack	Seriola rivoliana	2011	263.50	INDIVIDUAL	18.81	
Amberfishes, banded rudderfish, amberjacks, and yellowtails	Seriola	2011	22,132.50	INDIVIDUAL	7.82	
Atlantic bonito	Sarda sarda	2011	215.70	INDIVIDUAL	33.92	
Atlantic croaker	Micropogonias undulatus	2011	194.90	INDIVIDUAL	34.41	
Atlantic cutlassfish	Trichiurus lepturus	2011	7.30	INDIVIDUAL	21.77	
Atlantic sharpnose shark	Rhizoprionodon terraenovae	2011	705.80	INDIVIDUAL	24.49	
Banded rudderfish	Seriola zonata	2011	1,028.40	INDIVIDUAL	33.55	
Bank sea bass	Centropristis ocyurus	2011	116.90	INDIVIDUAL	34.41	
Bar jack	Carangoides ruber	2011	3,572.10	INDIVIDUAL	27.91	
Bigeye	Priacanthus arenatus	2011	9.20	INDIVIDUAL	25.36	
Black drum	Pogonias cromis	2011	27.40	INDIVIDUAL	11.82	
Black grouper	Mycteroperca bonaci	2011	6,870.20	INDIVIDUAL	12.32	
Black sea bass	Centropristis striata	2011	2,818.40	INDIVIDUAL	19.56	
Blacknose shark	Carcharhinus acronotus	2011	1,224.20	INDIVIDUAL	14.36	
Blacktip shark	Carcharhinus limbatus	2011	3,327.40	INDIVIDUAL	15.98	
Blue runner	Caranx crysos	2011	781.80	INDIVIDUAL	21.76	
Bluefish	Pomatomus saltatrix	2011	123.20	INDIVIDUAL	32.71	
Blueline tilefish	Caulolatilus microps	2011	992.40	INDIVIDUAL	21.07	
Bluestriped grunt	Haemulon sciurus	2011	584.70	INDIVIDUAL	28.69	
Breams and porgies	Sparidae	2011	14.10	INDIVIDUAL	34.41	
Bull shark	Carcharhinus leucas	2011	90.40	INDIVIDUAL	27.54	
Butterflyfishes	Chaetodontidae	2011	3.60	INDIVIDUAL	34.41	
Caribbean sharpnose shark	Rhizoprionodon porosus	2011	85.60	INDIVIDUAL	34.41	
Cartilaginous fishes	Chondrichthyes	2011	15,007.80	INDIVIDUAL	7.28	
Cobia	Rachycentron canadum	2011	1,200.10	INDIVIDUAL	16.24	
Conger eel	Conger oceanicus	2011	3.50	INDIVIDUAL	34.41	
Crevalle jack	Caranx hippos	2011	116.90	INDIVIDUAL	34.41	
Cubera snapper	Lutjanus cyanopterus	2011	5.00	INDIVIDUAL	34.41	
Dogfish sharks	Squalidae	2011	63.50	INDIVIDUAL	19.89	
Dusky shark	Carcharhinus obscurus	2011	1.80	INDIVIDUAL	34.41	
Flatfishes	Pleuronectiformes	2011	974.50	INDIVIDUAL	18.19	

Table 4.5.1a

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Gag	<i>Mycteroperca microlepis</i>	2011	32,132.00	INDIVIDUAL		
Glasseye snapper	<i>Heteropriacanthus cruentatus</i>	2011	3.20	INDIVIDUAL	34.41	
Goliath grouper	<i>Epinephelus itajara</i>	2011	1,833.10	INDIVIDUAL	8.61	
Gray snapper	<i>Lutjanus griseus</i>	2011	2,568.50	INDIVIDUAL	17.95	
Gray triggerfish	<i>Balistes capriscus</i>	2011	57,461.00	INDIVIDUAL	2.98	
Great hammerhead	<i>Sphyrna mokarran</i>	2011	34.40	INDIVIDUAL	34.41	
Greater amberjack	<i>Seriola dumerili</i>	2011	38,352.00	INDIVIDUAL	3.20	
Groupers and sea basses	Serranidae	2011	6,409.80	INDIVIDUAL	11.85	
Grunts	Haemulidae	2011	6,286.50	INDIVIDUAL	23.47	
Hammerhead sharks	Sphyrnidae	2011	15.60	INDIVIDUAL	32.27	
Hogfish	<i>Lachnolaimus maximus</i>	2011	5.90	INDIVIDUAL	34.41	
Jolthead porgy	<i>Calamus bajonado</i>	2011	29.20	INDIVIDUAL	34.41	
King mackerel	<i>Scomberomorus cavalla</i>	2011	13,289.00	INDIVIDUAL	0.72	
Knobbed porgy	<i>Calamus nodosus</i>	2011	21.40	INDIVIDUAL	34.41	
Ladyfish	<i>Elops saurus</i>	2011	1,169.40	INDIVIDUAL	34.41	
Lane snapper	<i>Lutjanus synagris</i>	2011	725.70	INDIVIDUAL	20.00	
Lemon shark	<i>Negaprion brevirostris</i>	2011	212.90	INDIVIDUAL	16.98	
Leopard shark	<i>Triakis semifasciata</i>	2011	18.10	INDIVIDUAL	29.58	
Lesser amberjack	<i>Seriola fasciata</i>	2011	3,346.90	INDIVIDUAL	20.82	
Little tunny	<i>Euthynnus alletteratus</i>	2011	2,288.80	INDIVIDUAL	13.89	
Mako sharks	<i>Isurus</i>	2011	9.50	INDIVIDUAL	21.69	
Moray eels	Muraenidae	2011	33.70	INDIVIDUAL	16.17	
Nurse shark	<i>Ginglymostoma cirratum</i>	2011	1,462.70	INDIVIDUAL	11.80	
Opah	<i>Lampris guttatus</i>	2011	3.10	INDIVIDUAL	34.41	
Osteichthyes	Osteichthyes	2011	6,823.30	INDIVIDUAL	22.40	
Queen snapper	<i>Etelis oculatus</i>	2011	1.80	INDIVIDUAL	34.41	
Red drum	<i>Sciaenops ocellatus</i>	2011	6,125.70	INDIVIDUAL	21.83	
Red grouper	<i>Epinephelus morio</i>	2011	593,650.00	INDIVIDUAL		
Red hind	<i>Epinephelus guttatus</i>	2011	14.20	INDIVIDUAL	20.46	
Red porgy	<i>Pagrus pagrus</i>	2011	21,978.90	INDIVIDUAL	7.39	
Red snapper	<i>Lutjanus campechanus</i>	2011	1,191,179.00	INDIVIDUAL	4.66	
Reef shark	<i>Carcharhinus perezii</i>	2011	1,112.90	INDIVIDUAL	17.37	
Remora	<i>Remora</i>	2011	7,663.10	INDIVIDUAL	7.55	
Sand seatrout	<i>Cynoscion arenarius</i>	2011	103.10	INDIVIDUAL	32.59	
Sand tilefish	<i>Malacanthus plumieri</i>	2011	17.80	INDIVIDUAL	34.41	
Sandbar shark	<i>Carcharhinus plumbeus</i>	2011	141.80	INDIVIDUAL	20.45	

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COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Scalloped hammerhead	Sphyrna lewini	2011	3.10	INDIVIDUAL	34.41	
Scamp	Mycteroperca phenax	2011	6,815.20	INDIVIDUAL	7.22	
Scorpionfishes	Scorpaenidae	2011	3.20	INDIVIDUAL	34.41	
Sea chubs	Kyphosidae	2011	2,046.50	INDIVIDUAL	21.41	
Skates	Rajidae	2011	5.10	INDIVIDUAL	34.41	
Snappers	Lutjanidae	2011	30,707.10	INDIVIDUAL	19.68	
Snowy grouper	Epinephelus niveatus	2011	312.50	INDIVIDUAL	26.23	
Soliderfishes and squirrelfishes	Holocentridae	2011	4.50	INDIVIDUAL	24.77	
Spanish flag	Gonioplectrus hispanus	2011	2.20	INDIVIDUAL	24.32	
Spanish mackerel	Scomberomorus maculatus	2011	3,862.80	INDIVIDUAL	23.81	
Speckled hind	Epinephelus drummondhayi	2011	537.00	INDIVIDUAL	25.58	
Spinycheek scorpionfish	Neomerinthe hemingwayi	2011	3.70	INDIVIDUAL	34.41	
Tiger shark	Galeocerdo cuvier	2011	392.40	INDIVIDUAL	12.07	
Tilefish	Lopholatilus chamaeleonticeps	2011	12.50	INDIVIDUAL	34.41	
Tilefishes	Malacanthidae	2011	20.90	INDIVIDUAL	34.41	
Tomtate	Haemulon aurolineatum	2011	591.70	INDIVIDUAL	23.02	
True eels	Anguilliformes	2011	154.60	INDIVIDUAL	34.41	
Vermilion snapper	Rhomboplites aurorubens	2011	47,541.70	INDIVIDUAL	4.26	
Warsaw grouper	Epinephelus nigritus	2011	38.70	INDIVIDUAL	29.93	
Whitebone porgy	Calamus leucosteus	2011	1.50	INDIVIDUAL	34.41	
Yellowtail snapper	Ocyurus chrysurus	2011	32,471.10	INDIVIDUAL	9.46	
TOTAL FISHERY BYCATCH			2,184,614.80	INDIVIDUAL		
TOTAL FISHERY LANDINGS			8,993,663.00	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)					**	
Gulf of Mexico Shrimp Trawl						
Atlantic croaker	Micropogonias undulatus	2011	75,475,659.20	POUND	0.10	
Atlantic sharpnose shark	Rhizoprionodon terraenovae	2011	1,801,756.80	POUND	0.10	
Black drum	Pogonias cromis	2011	451,669.30	POUND	0.20	
Blacknose shark	Carcharhinus acronotus	2011	70,035.00	POUND	0.20	
Blacktip shark	Carcharhinus limbatus	2011	253,598.70	POUND	0.30	
Bonnethead	Sphyrna tiburo	2011	419,496.00	POUND	0.10	
Cobia	Rachycentron canadum	2011	55,308.30	POUND	0.20	
Finetooth shark	Carcharhinus isodon	2011	7,666.20	POUND	0.80	
Grouped finfish other than listed - Gulf of Mexico		2011	133,958,664.60	POUND	0.10	
Grouped sharks - Gulf of Mexico		2011	128,036.00	POUND	0.30	
King mackerel	Scomberomorus cavalla	2011	61,499.90	POUND	0.20	

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COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Lane snapper	Lutjanus synagris	2011	358,131.20	POUND	0.10	
Longspine porgy	Stenotomus caprinus	2011	9,632,505.30	POUND	0.10	
Non-crustacean invertebrates - Gulf of Mexico		2011	21,060,944.30	POUND	0.10	
Non-penaeid shrimp crustacean - Gulf of Mexico		2011	24,177,759.00	POUND	0.10	
Red drum	Sciaenops ocellatus	2011	974,705.80	POUND	0.20	
Red snapper	Lutjanus campechanus	2011	555,171.80	POUND	0.10	
Seatrout and weakfish - Gulf of Mexico	Cynoscion	2011	24,440,801.70	POUND	0.10	
Smooth dogfish	Mustelus canis	2011	88,012.40	POUND	0.20	
Snappers	Lutjanidae	2011	2,306.50	POUND	0.70	
Southern flounder	Paralichthys lethostigma	2011	765,964.80	POUND	0.10	
Spanish mackerel	Scomberomorus maculatus	2011	955,862.70	POUND	0.10	
Spinner shark	Carcharhinus brevipinna	2011	3,822.60	POUND	1.00	
Spotted seatrout	Cynoscion nebulosus	2011	31,266.80	POUND	0.30	
Vermilion snapper	Rhomboplites aurorubens	2011	23,678.00	POUND	0.30	
TOTAL FISHERY BYCATCH			295,754,322.90	POUND		
TOTAL FISHERY LANDINGS			169,746,280.00	POUND		
TOTAL CATCH (Bycatch + Landings)			465,500,602.90	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)			0.64			
Southeastern Atlantic Coastal Gillnet (Including North Carolina)						
American Harvestfish	Peprilus paru	2011	200.20	INDIVIDUAL	1.36	
Atlantic bumper	Chloroscombrus chrysurus	2011	4,710.00	INDIVIDUAL	0.51	
Atlantic croaker	Micropogonias undulatus	2011	1,366.80	INDIVIDUAL	0.37	
Atlantic cutlassfish	Trichiurus lepturus	2011	34.80	INDIVIDUAL	1.58	
Atlantic menhaden	Brevoortia tyrannus	2011	6,303.20	INDIVIDUAL	0.73	
Atlantic sharpnose shark	Rhizoprionodon terraenovae	2011	3,047.10	INDIVIDUAL	0.48	
Atlantic spadefish	Chaetodipterus faber	2011	313.40	INDIVIDUAL	0.66	
Atlantic thread herring	Opisthonema oglinum	2011	983.80	INDIVIDUAL	0.51	
Banded drum	Larimus fasciatus	2011	1,340.70	INDIVIDUAL	0.91	
Blacktip shark	Carcharhinus limbatus	2011	17.40	INDIVIDUAL	1.99	
Blue crab	Callinectes sapidus	2011	95.80	INDIVIDUAL	0.87	
Blue runner	Caranx crysos	2011	43.50	INDIVIDUAL	1.44	
Bluefish	Pomatomus saltatrix	2011	1,088.30	INDIVIDUAL	0.45	
Bluntnose stingray	Dasyatis say	2011	17.40	INDIVIDUAL	1.41	
Bonnethead	Sphyrna tiburo	2011	905.40	INDIVIDUAL	0.57	
Butterfish	Peprilus triacanthus	2011	243.80	INDIVIDUAL	1.05	
Clearnose skate	Raja eglanteria	2011	8.70	INDIVIDUAL	1.99	

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COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Cobia	Rachycentron canadum	2011	182.80	INDIVIDUAL	0.52	
Cownose ray	Rhinoptera bonasus	2011	26.10	INDIVIDUAL	1.15	
Filefish	Aluterus	2011	17.40	INDIVIDUAL	1.99	
Florida pompano	Trachinotus carolinus	2011	8.70	INDIVIDUAL	1.99	
Hardhead catfish	Ariopsis felis	2011	26.10	INDIVIDUAL	1.15	
Horseshoe crab	Limulus polyphemus	2011	60.90	INDIVIDUAL	0.79	
Jellyfish	Scyphozoa	2011	217.60	INDIVIDUAL	1.84	
Jonah crab	Cancer borealis	2011	191.50	INDIVIDUAL	0.97	
King mackerel	Scomberomorus cavalla	2011	43.50	INDIVIDUAL	1.05	
Kingfishes	Menticirrhus	2011	26.10	INDIVIDUAL	1.15	
Ladyfish	Elops saurus	2011	60.90	INDIVIDUAL	1.02	
Lined seahorse	Hippocampus erectus	2011	8.70	INDIVIDUAL	1.99	
Lizzardfish	Synodontidae	2011	69.60	INDIVIDUAL	0.86	
Lookdown	Selene vomer	2011	60.90	INDIVIDUAL	0.94	
Non-crustacean invertebrates - Gulf of Mexico		2011	34.80	INDIVIDUAL	1.22	
Pinfish	Lagodon rhomboides	2011	69.60	INDIVIDUAL	1.99	
Sandbar shark	Carcharhinus plumbeus	2011	17.40	INDIVIDUAL	1.41	
Sardines	Clupeidae	2011	52.30	INDIVIDUAL	1.46	
Scalloped hammerhead	Sphyrna lewini	2011	43.50	INDIVIDUAL	1.32	
Searobins	Prionotus	2011	113.20	INDIVIDUAL	1.31	
Seatrout and weakfish - Gulf of Mexico	Cynoscion	2011	87.10	INDIVIDUAL	1.01	
Smooth dogfish	Mustelus canis	2011	34.80	INDIVIDUAL	1.22	
Southern kingfish	Menticirrhus americanus	2011	87.10	INDIVIDUAL	0.79	
Spanish mackerel	Scomberomorus maculatus	2011	1,001.20	INDIVIDUAL	0.58	
Spinner shark	Carcharhinus brevipinna	2011	17.40	INDIVIDUAL	1.41	
Spiny dogfish	Squalus acanthias	2011	174.10	INDIVIDUAL	1.01	
Spot	Leiostomus xanthurus	2011	1,288.50	INDIVIDUAL	1.49	
Weakfish	Cynoscion regalis	2011	17.40	INDIVIDUAL	1.41	
White mullet	Mugil curema	2011	148.00	INDIVIDUAL	1.55	
Yellowfin menhaden	Brevoortia smithi	2011	417.90	INDIVIDUAL	0.77	
TOTAL FISHERY BYCATCH			25,325.40	INDIVIDUAL		
TOTAL FISHERY LANDINGS			17,217,480.00	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)					**	
Southeastern Atlantic Coastal Migratory Pelagic Troll						
Atlantic bonito	Sarda sarda	2011	1,018.60	INDIVIDUAL	4.52	
Atlantic sharpnose shark	Rhizoprionodon terraenovae	2011	86.50	INDIVIDUAL	7.61	

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COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Barracudas	Sphyraenidae	2011	47.30	INDIVIDUAL	10.71	
Bigeye	Priacanthus arenatus	2011	124.00	INDIVIDUAL	14.80	
Black grouper	Mycteroperca bonaci	2011	1,461.00	INDIVIDUAL	5.87	
Black sea bass	Centropristis striata	2011	20,338.10	INDIVIDUAL	14.80	
Blacktip shark	Carcharhinus limbatus	2011	579.70	INDIVIDUAL	4.80	
Blue runner	Caranx crysos	2011	993.40	INDIVIDUAL	10.69	
Breams and porgies	Sparidae	2011	495.90	INDIVIDUAL	10.52	
Cartilaginous fishes	Chondrichthyes	2011	243.50	INDIVIDUAL	10.82	
Cobia	Rachycentron canadum	2011	168.50	INDIVIDUAL	6.38	
Dolphinfish	Coryphaena	2011	13,391.80	INDIVIDUAL	5.20	
Gag	Mycteroperca microlepis	2011	417.50	INDIVIDUAL	6.85	
Gray snapper	Lutjanus griseus	2011	93.00	INDIVIDUAL	14.80	
Gray triggerfish	Balistes capriscus	2011	526.90	INDIVIDUAL	10.46	
Greater amberjack	Seriola dumerili	2011	93.90	INDIVIDUAL	10.49	
Hammerhead sharks	Sphyrnidae	2011	45.20	INDIVIDUAL	10.55	
Jolthead porgy	Calamus bajonado	2011	247.90	INDIVIDUAL	10.44	
King mackerel	Scomberomorus cavalla	2011	28,414.00	INDIVIDUAL	0.54	
Little tunny	Euthynnus alletteratus	2011	3,330.80	INDIVIDUAL	4.39	
Mutton snapper	Lutjanus analis	2011	124.00	INDIVIDUAL	11.68	
Osteichthyes	Osteichthyes	2011	885.50	INDIVIDUAL	14.80	
Red grouper	Epinephelus morio	2011	174.30	INDIVIDUAL	14.80	
Red porgy	Pagrus pagrus	2011	3,564.00	INDIVIDUAL	14.48	
Red snapper	Lutjanus campechanus	2011	219.50	INDIVIDUAL	11.03	
Remora	Remora	2011	433.30	INDIVIDUAL	5.04	
Sailfish	Istiophorus platypterus	2011	33.20	INDIVIDUAL	14.80	
Spanish mackerel	Scomberomorus maculatus	2011	2,376.00	INDIVIDUAL	9.55	
Vermilion snapper	Rhomboplites aurorubens	2011	13,946.10	INDIVIDUAL	14.80	
Wahoo	Acanthocybium solandri	2011	29.10	INDIVIDUAL	14.80	
White grunt	Haemulon plumierii	2011	495.90	INDIVIDUAL	10.46	
Yellowtail snapper	Ocyurus chrysurus	2011	418.40	INDIVIDUAL	10.79	
TOTAL FISHERY BYCATCH			94,816.80	INDIVIDUAL		
TOTAL FISHERY LANDINGS			363,586.00	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)					**	
Southeastern Atlantic Snapper-Grouper Bottom Longline						
Atlantic angelshark	Squatina dumeril	2011	259.50	INDIVIDUAL	7.84	
Barracudas	Sphyraenidae	2011	8.30	INDIVIDUAL	7.76	

Table 4.5.1a

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Blackfin tuna	Thunnus atlanticus	2011	25.90	INDIVIDUAL	10.91	
Blue shark	Prionace glauca	2011	7.80	INDIVIDUAL	10.91	
Conger eel	Conger oceanicus	2011	70.80	INDIVIDUAL	10.91	
Dasyatidae	Dasyatidae	2011	38.90	INDIVIDUAL	10.91	
Dogfish sharks	Squalidae	2011	15.60	INDIVIDUAL	7.68	
Goliath grouper	Epinephelus itajara	2011	138.40	INDIVIDUAL	7.92	
Hakes	Urophycis	2011	753.40	INDIVIDUAL	3.20	
Nurse shark	Ginglymostoma cirratum	2011	268.10	INDIVIDUAL	6.25	
Osteichthyes	Osteichthyes	2011	5.60	INDIVIDUAL	10.91	
Rays, sawfish, and skates	Rajiformes	2011	82.40	INDIVIDUAL	7.26	
Red drum	Sciaenops ocellatus	2011	160.00	INDIVIDUAL	6.30	
Red snapper	Lutjanus campechanus	2011	61.50	INDIVIDUAL	10.91	
Sand tiger	Carcharias taurus	2011	414.50	INDIVIDUAL	5.98	
Skates	Rajidae	2011	1,355.90	INDIVIDUAL	4.23	
Smooth dogfish	Mustelus canis	2011	142.70	INDIVIDUAL	6.86	
Snowy grouper	Epinephelus niveatus	2011	15.00	INDIVIDUAL	18.60	
Spiny dogfish	Squalus acanthias	2011	127.40	INDIVIDUAL	6.48	
Tilefish	Lopholatilus chamaeleonticeps	2011	5.80	INDIVIDUAL	10.91	
True eels	Anguilliformes	2011	70.80	INDIVIDUAL	10.91	
TOTAL FISHERY BYCATCH			4,028.30	INDIVIDUAL		
TOTAL FISHERY LANDINGS			541,095.00	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)					**	
Southeastern Atlantic Snapper-Grouper Vertical Line						
Acanthuridae	Acanthuridae	2011	2.80	INDIVIDUAL	41.21	
Almaco jack	Seriola rivoliana	2011	83.40	INDIVIDUAL	30.91	
Amberfishes, banded rudderfish, amberjacks, and yellowtails	Seriola	2011	5,947.20	INDIVIDUAL	7.23	
Atlantic bonito	Sarda sarda	2011	2,139.10	INDIVIDUAL	13.04	
Atlantic needlefish	Strongylura marina	2011	586.80	INDIVIDUAL	26.89	
Atlantic sharpnose shark	Rhizoprionodon terraenovae	2011	922.00	INDIVIDUAL	17.39	
Ballyhoo	Hemiramphus brasiliensis	2011	251.50	INDIVIDUAL	32.57	
Banded rudderfish	Seriola zonata	2011	125.70	INDIVIDUAL	41.21	
Bar jack	Carangoides ruber	2011	69.20	INDIVIDUAL	32.00	
Barracudas	Sphyraenidae	2011	148.10	INDIVIDUAL	23.26	
Bigeye	Priacanthus arenatus	2011	61.00	INDIVIDUAL	31.09	
Bigeye scad	Selar crumenophthalmus	2011	737.60	INDIVIDUAL	27.55	
Black grouper	Mycteroperca bonaci	2011	4,329.60	INDIVIDUAL	7.39	

Table 4.5.1a

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Black sea bass	<i>Centropristis striata</i>	2011	39,294.00	INDIVIDUAL	0.65	
Blackfin snapper	<i>Lutjanus buccanella</i>	2011	10.50	INDIVIDUAL	41.21	
Blacktip shark	<i>Carcharhinus limbatus</i>	2011	89.20	INDIVIDUAL	29.87	
Blowfish	Tetraodontidae	2011	225.30	INDIVIDUAL	38.44	
Blue runner	<i>Caranx crysos</i>	2011	13,248.90	INDIVIDUAL	8.48	
Bluefish	<i>Pomatomus saltatrix</i>	2011	125.70	INDIVIDUAL	30.71	
Blueline tilefish	<i>Caulolatilus microps</i>	2011	0.00	INDIVIDUAL	36.10	
Bonnethead	<i>Sphyrna tiburo</i>	2011	502.90	INDIVIDUAL	21.15	
Breams and porgies	Sparidae	2011	804.70	INDIVIDUAL	17.66	
Bull shark	<i>Carcharhinus leucas</i>	2011	174.60	INDIVIDUAL	30.79	
Butterflyfishes	Chaetodontidae	2011	1,614.50	INDIVIDUAL	11.28	
Caribbean sharpnose shark	<i>Rhizoprionodon porosus</i>	2011	125.70	INDIVIDUAL	30.71	
Cartilaginous fishes	Chondrichthyes	2011	12,776.40	INDIVIDUAL	9.40	
Cobia	<i>Rachycentron canadum</i>	2011	3,473.00	INDIVIDUAL	17.42	
Common snook	<i>Centropomus undecimalis</i>	2011	62.90	INDIVIDUAL	41.21	
Crevalle jack	<i>Caranx hippos</i>	2011	406.50	INDIVIDUAL	18.10	
Dogfish sharks	Squalidae	2011	106.10	INDIVIDUAL	35.96	
Dolphinfish	<i>Coryphaena</i>	2011	2,539.50	INDIVIDUAL	15.27	
Dusky shark	<i>Carcharhinus obscurus</i>	2011	25.10	INDIVIDUAL	41.21	
Gag	<i>Mycteroperca microlepis</i>	2011	10,874.40	INDIVIDUAL	7.57	
Goliath grouper	<i>Epinephelus itajara</i>	2011	83.80	INDIVIDUAL	41.21	
Gray snapper	<i>Lutjanus griseus</i>	2011	16,007.20	INDIVIDUAL	7.70	
Gray triggerfish	<i>Balistes capriscus</i>	2011	1,657.00	INDIVIDUAL	11.71	
Graysby	<i>Cephalopholis cruentata</i>	2011	41.90	INDIVIDUAL	41.21	
Greater amberjack	<i>Seriola dumerili</i>	2011	4,355.20	INDIVIDUAL	14.66	
Groupers and sea basses	Serranidae	2011	1,710.60	INDIVIDUAL	14.26	
Grunts	Haemulidae	2011	870.10	INDIVIDUAL	20.46	
Hakes	Urophycis	2011	23.90	INDIVIDUAL	41.21	
Hammerhead sharks	Sphyrnidae	2011	56.60	INDIVIDUAL	29.31	
Hogfish	<i>Lachnolaimus maximus</i>	2011	104.00	INDIVIDUAL	63.60	
Jacks and pompanos	Carangidae	2011	1,194.50	INDIVIDUAL	21.29	
Jolthead porgy	<i>Calamus bajonado</i>	2011	276.60	INDIVIDUAL	21.93	
King mackerel	<i>Scomberomorus cavalla</i>	2011	28,414.00	INDIVIDUAL	0.54	
Lane snapper	<i>Lutjanus synagris</i>	2011	167.60	INDIVIDUAL	30.03	
Lemon shark	<i>Negaprion brevirostris</i>	2011	41.90	INDIVIDUAL	41.21	
Lesser amberjack	<i>Seriola fasciata</i>	2011	155.10	INDIVIDUAL	27.92	

Table 4.5.1a

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Little tunny	<i>Euthynnus alletteratus</i>	2011	5,372.30	INDIVIDUAL	11.86	
Margate	<i>Haemulon album</i>	2011	176.00	INDIVIDUAL	23.90	
Menhaden	<i>Brevoortia</i>	2011	838.20	INDIVIDUAL	41.21	
Mooneye	<i>Hiodontidae</i>	2011	85.50	INDIVIDUAL	36.68	
Mutton snapper	<i>Lutjanus analis</i>	2011	1,761.00	INDIVIDUAL	0.74	
Nassau grouper	<i>Epinephelus striatus</i>	2011	146.70	INDIVIDUAL	29.43	
Nurse shark	<i>Ginglymostoma cirratum</i>	2011	132.00	INDIVIDUAL	22.73	
Osteichthyes	<i>Osteichthyes</i>	2011	2,452.00	INDIVIDUAL	32.06	
Parrotfishes	<i>Scaridae</i>	2011	1,482.10	INDIVIDUAL	9.84	
Queen snapper	<i>Etelis oculatus</i>	2011	38.40	INDIVIDUAL	41.21	
Rainbow runner	<i>Elagatis bipinnulata</i>	2011	419.10	INDIVIDUAL	37.31	
Rays, sawfish, and skates	<i>Rajiformes</i>	2011	2.30	INDIVIDUAL	41.21	
Red grouper	<i>Epinephelus morio</i>	2011	4,824.20	INDIVIDUAL	6.67	
Red hind	<i>Epinephelus guttatus</i>	2011	550.60	INDIVIDUAL	16.88	
Red porgy	<i>Pagrus pagrus</i>	2011	28,082.40	INDIVIDUAL	5.50	
Red snapper	<i>Lutjanus campechanus</i>	2011	38,376.00	INDIVIDUAL	8.30	
Remora	<i>Remora</i>	2011	11,496.80	INDIVIDUAL	5.79	
Rock hind	<i>Epinephelus adscensionis</i>	2011	7.00	INDIVIDUAL	41.21	
Rock sea bass	<i>Centropristis philadelphica</i>	2011	120.10	INDIVIDUAL	29.51	
Sailfish	<i>Istiophorus platypterus</i>	2011	894.80	INDIVIDUAL	10.53	
Sand tilefish	<i>Malacanthus plumieri</i>	2011	272.40	INDIVIDUAL	21.25	
Sandbar shark	<i>Carcharhinus plumbeus</i>	2011	4,089.40	INDIVIDUAL	14.94	
Scamp	<i>Mycteroperca phenax</i>	2011	2,397.10	INDIVIDUAL	8.68	
Scomber	<i>Scomber</i>	2011	282.90	INDIVIDUAL	41.21	
Scorpionfishes	<i>Scorpaenidae</i>	2011	7.30	INDIVIDUAL	29.43	
Sea catfishes	<i>Ariidae</i>	2011	125.70	INDIVIDUAL	30.71	
Sea chubs	<i>Kyphosidae</i>	2011	1,027.40	INDIVIDUAL	18.25	
Silk snapper	<i>Lutjanus vivanus</i>	2011	11.40	INDIVIDUAL	41.21	
Silky shark	<i>Carcharhinus falciformis</i>	2011	17.00	INDIVIDUAL	29.63	
Smooth dogfish	<i>Mustelus canis</i>	2011	1,011.00	INDIVIDUAL	27.40	
Snappers	<i>Lutjanidae</i>	2011	900.20	INDIVIDUAL	21.45	
Snowy grouper	<i>Epinephelus niveatus</i>	2011	122.00	INDIVIDUAL	30.98	
Soliderfishes and squirrelfishes	<i>Holocentridae</i>	2011	12.60	INDIVIDUAL	25.22	
Spadefishes	<i>Ephippidae</i>	2011	52.40	INDIVIDUAL	33.98	
Spanish mackerel	<i>Scomberomorus maculatus</i>	2011	2,800.40	INDIVIDUAL	14.11	
Speckled hind	<i>Epinephelus drummondhayi</i>	2011	112.70	INDIVIDUAL	15.77	

Table 4.5.1a

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Tiger shark	Galeocerdo cuvier	2011	48.90	INDIVIDUAL	25.21	
Tilefish	Lopholatilus chamaeleonticeps	2011	247.50	INDIVIDUAL	24.04	
Toad fishes	Batrachoididae	2011	1,425.00	INDIVIDUAL	15.40	
Tomtate	Haemulon aurolineatum	2011	209.60	INDIVIDUAL	41.21	
Tuna	Thunnus	2011	125.70	INDIVIDUAL	41.21	
Vermilion snapper	Rhomboplites aurorubens	2011	86,584.50	INDIVIDUAL	10.49	
Warsaw grouper	Epinephelus nigritus	2011	322.90	INDIVIDUAL	21.53	
Weakfish	Cynoscion regalis	2011	167.60	INDIVIDUAL	32.57	
White grunt	Haemulon plumierii	2011	779.00	INDIVIDUAL	15.63	
Yellowfin grouper	Mycteroperca venenosa	2011	62.90	INDIVIDUAL	41.21	
Yellowtail snapper	Ocyurus chrysurus	2011	197,607.70	INDIVIDUAL	2.52	
TOTAL FISHERY BYCATCH			555,124.60	INDIVIDUAL		
TOTAL FISHERY LANDINGS			5,670,224.00	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)					**	
Southeastern Atlantic and Gulf of Mexico Shark Bottom Longline						
Atlantic sharpnose shark	Rhizoprionodon terraenovae	2011	2,474.70	INDIVIDUAL	0.24	
Blacknose shark	Carcharhinus acronotus	2011	793.80	INDIVIDUAL	0.18	
Blacktip shark	Carcharhinus limbatus	2011	1,727.60	INDIVIDUAL	0.19	
Bonnethead	Sphyrna tiburo	2011	700.40	INDIVIDUAL	0.13	
Finetooth shark	Carcharhinus isodon	2011	46.70	INDIVIDUAL	0.36	
Sandbar shark	Carcharhinus plumbeus	2011	373.50	INDIVIDUAL	0.23	
Spinner shark	Carcharhinus brevipinna	2011	700.40	INDIVIDUAL	0.36	
Tiger shark	Galeocerdo cuvier	2011	233.50	INDIVIDUAL	0.36	
TOTAL FISHERY BYCATCH			7,050.60	INDIVIDUAL		
TOTAL FISHERY LANDINGS			497,011.00	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).