

NBR FIRST EDITION UPDATE

TABLE 4.1 SOUTHEAST REGION FISH BYCATCH BY FISHERY 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.

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Atlantic and Gulf of Mexico HMS Pelagic Longline #						
Albacore	<i>Thunnus alalunga</i>	2010	1,918.02	POUND		
Bigeye tuna	<i>Thunnus obesus</i>	2010	26,080.69	POUND		b
Blackfin tuna	<i>Thunnus atlanticus</i>	2010	4,512.86	POUND		
Blue marlin	<i>Makaira nigricans</i>	2010	66,418.67	POUND		b
Blue shark	<i>Prionace glauca</i>	2010	368,449.76	POUND		c
Bluefin tuna	<i>Thunnus thynnus</i>	2010	329,849.02	POUND		
Coastal shark group 1 - South Atlantic		2010	32,216.15	POUND		
Coastal shark group 2 - South Atlantic		2010	66.14	POUND		b
Sailfish	<i>Istiophorus platypterus</i>	2010	9,061.00	POUND		b
Skipjack tuna	<i>Katsuwonus pelamis</i>	2010	859.80	POUND		
Swordfish	<i>Xiphias gladius</i>	2010	303,408.98	POUND		
White marlin	<i>Kajikia albida</i>	2010	32,546.84	POUND		
Yellowfin tuna	<i>Thunnus albacares</i>	2010	24,918.85	POUND		
TOTAL FISHERY BYCATCH			1,200,306.78	POUND		
TOTAL FISHERY LANDINGS			3,916,146.00	POUND		
TOTAL CATCH (Bycatch + Landings)			5,116,452.78	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)			0.23			
Gulf of Mexico Coastal Migratory Pelagic Gillnet						
Atlantic bonito	<i>Sarda sarda</i>	2006-2010	102.86	INDIVIDUAL		
Sea catfishes	Ariidae	2006-2010	14,348.40	INDIVIDUAL		
TOTAL FISHERY BYCATCH			14,451.26	INDIVIDUAL		
TOTAL FISHERY LANDINGS			1,792,566.00	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)			**			
Gulf of Mexico Coastal Migratory Pelagic Troll						
Amberfishes, banded rudderfish, amberjacks, and yellowtails	<i>Seriola</i>	2006-2010	298.00	INDIVIDUAL	0.79	
Atlantic bonito	<i>Sarda sarda</i>	2006-2010	1,543.00	INDIVIDUAL	1.49	
Barracudas	Sphyraenidae	2006-2010	1.25	INDIVIDUAL		

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COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Black grouper	<i>Mycteroperca bonaci</i>	2006-2010	159.00	INDIVIDUAL		
Blacktip shark	<i>Carcharhinus limbatus</i>	2006-2010	459.00	INDIVIDUAL	0.82	
Blue runner	<i>Caranx crysos</i>	2006-2010	2,568.46	INDIVIDUAL	1.19	
Cartilaginous fishes	Chondrichthyes	2006-2010	404.00	INDIVIDUAL	0.78	
Cobia	<i>Rachycentron canadum</i>	2010	141.00	INDIVIDUAL	15.9	
Crevalle jack	<i>Caranx hippos</i>	2006-2010	93.00	INDIVIDUAL	1.3	
Gag	<i>Mycteroperca microlepis</i>	2006-2010	1,661.54	INDIVIDUAL	1.02	
Gray triggerfish	<i>Balistes capriscus</i>	2006-2010	90.40	INDIVIDUAL		
Greater amberjack	<i>Seriola dumerili</i>	2006-2010	468.51	INDIVIDUAL		
Jacks and pompanos	Carangidae	2006-2010	49.19	INDIVIDUAL	0.13	
King mackerel	<i>Scomberomorus cavalla</i>	2006-2010	4,003.00	INDIVIDUAL	0.71	
Little tunny	<i>Euthynnus alletteratus</i>	2006-2010	134.00	INDIVIDUAL	0.15	
Red drum	<i>Sciaenops ocellatus</i>	2006-2010	28.00	INDIVIDUAL		
Red grouper	<i>Epinephelus morio</i>	2006-2010	1,396.00	INDIVIDUAL	1.16	
Red snapper	<i>Lutjanus campechanus</i>	2006-2010	3,729.00	INDIVIDUAL	0.52	
Remora	<i>Remora</i>	2006-2010	38.25	INDIVIDUAL		
Sailfish	<i>Istiophorus platypterus</i>	2006-2010	12.00	INDIVIDUAL		
Spanish mackerel	<i>Scomberomorus maculatus</i>	2010	153.00	INDIVIDUAL	14.6	b
Spinner shark	<i>Carcharhinus brevipinna</i>	2006-2010	66.93	INDIVIDUAL		
Tarpon	<i>Megalops atlanticus</i>	2006-2010	13.00	INDIVIDUAL		
Yellowfin tuna	<i>Thunnus albacares</i>	2006-2010	135.00	INDIVIDUAL	1.15	
TOTAL FISHERY BYCATCH			17,644.53	INDIVIDUAL		
TOTAL FISHERY LANDINGS			312,974.00	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)			**			
Gulf of Mexico Reef Fish Bottom Longline						
Amberfishes, banded rudderfish, amberjacks, and yellowtails	<i>Seriola</i>	2006-2010	2,559.37	INDIVIDUAL	1.21	
Atlantic angelshark	<i>Squatina dumeril</i>	2006-2010	119.89	INDIVIDUAL		
Atlantic bonito	<i>Sarda sarda</i>	2006-2010	38.87	INDIVIDUAL	1.03	
Atlantic sharpnose shark	<i>Rhizoprionodon terraenovae</i>	2006-2010	25,910.76	INDIVIDUAL		
Barracudas	Sphyraenidae	2006-2010	398.69	INDIVIDUAL	0	
Bignose shark	<i>Carcharhinus altimus</i>	2006-2010	56.47	INDIVIDUAL		
Black grouper	<i>Mycteroperca bonaci</i>	2008	104.00	INDIVIDUAL		
Black snapper	<i>Apsilus dentatus</i>	2006-2010	358.72	INDIVIDUAL		

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COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Blackbelly rosefish	<i>Helicolenus dactylopterus</i>	2006-2010	7.53	INDIVIDUAL		
Blacknose shark	<i>Carcharhinus acronotus</i>	2006-2010	31,885.77	INDIVIDUAL		
Blacktip shark	<i>Carcharhinus limbatus</i>	2010	84.00	INDIVIDUAL	2.97	
Blowfish	<i>Tetraodontidae</i>	2006-2010	129.30	INDIVIDUAL		
Blueline tilefish	<i>Caulolatilus microps</i>	2006-2010	7,768.87	INDIVIDUAL	0.3	
Bluntnose sevengill shark	<i>Notorynchus cepedianus</i>	2006-2010	3,496.67	INDIVIDUAL		
Bluntnose sixgill shark	<i>Hexanchus griseus</i>	2006-2010	1,146.27	INDIVIDUAL	1.76	
Bonnethead	<i>Sphyrna tiburo</i>	2006-2010	1,216.19	INDIVIDUAL	1.41	
Breams and porgies	Sparidae	2006-2010	459.01	INDIVIDUAL		
Bull shark	<i>Carcharhinus leucas</i>	2006-2010	182.37	INDIVIDUAL	1.22	
Caribbean sharpnose shark	<i>Rhizoprionodon porosus</i>	2006-2010	186,895.39	INDIVIDUAL	0.43	
Cartilaginous fishes	Chondrichthyes	2006-2010	7,996.02	INDIVIDUAL	1.23	
Cobia	<i>Rachycentron canadum</i>	2006-2010	27.30	INDIVIDUAL	0.63	
Dogfish sharks	Squalidae	2006-2010	9,662.57	INDIVIDUAL	1.05	
Dolphinfish	Coryphaena	2006-2010	11.29	INDIVIDUAL		
Dusky shark	<i>Carcharhinus obscurus</i>	2006-2010	804.05	INDIVIDUAL	0.64	
Finetooth shark	<i>Carcharhinus isodon</i>	2006-2010	3.14	INDIVIDUAL		
Flatfishes	<i>Pleuronectiformes</i>	2006-2010	96.97	INDIVIDUAL		
Gag	<i>Mycteroperca microlepis</i>	2008	1,394.00	INDIVIDUAL		
Goliath grouper	<i>Epinephelus itajara</i>	2006-2010	809.79	INDIVIDUAL	0.94	
Goosefish	<i>Lophius americanus</i>	2006-2010	4.55	INDIVIDUAL		
Gray snapper	<i>Lutjanus griseus</i>	2006-2010	41.00	INDIVIDUAL		
Greater amberjack	<i>Seriola dumerili</i>	2006-2010	697.24	INDIVIDUAL	0.5	
Groupers and sea basses	Serranidae	2006-2010	45.96	INDIVIDUAL		
Hakes	Urophycis	2006-2010	41,036.05	INDIVIDUAL	0.48	
Hammerhead sharks	Sphyrnidae	2006-2010	649.98	INDIVIDUAL	1.44	
King mackerel	<i>Scomberomorus cavalla</i>	2006-2010	165.53	INDIVIDUAL		
Lane snapper	<i>Lutjanus synagris</i>	2006-2010	21.47	INDIVIDUAL	0.36	
Little tunny	<i>Euthynnus alletteratus</i>	2006-2010	133.34	INDIVIDUAL		
Mako sharks	<i>Isurus</i>	2006-2010	5.62	INDIVIDUAL		
Moray eels	<i>Muraenidae</i>	2006-2010	11,977.42	INDIVIDUAL	1.71	
Nurse shark	<i>Ginglymostoma cirratum</i>	2006-2010	699.62	INDIVIDUAL	1.09	
Osteichthyes	Osteichthyes	2006-2010	121.99	INDIVIDUAL	0.46	

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COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Red drum	<i>Sciaenops ocellatus</i>	2006-2010	14,279.23	INDIVIDUAL	1.18	
Red grouper	<i>Epinephelus morio</i>	2009	218,790.12	INDIVIDUAL		
Red porgy	<i>Pagrus pagrus</i>	2006-2010	53.60	INDIVIDUAL	1.19	
Red snapper	<i>Lutjanus campechanus</i>	2010	15,180.00	INDIVIDUAL		
Reef shark	<i>Carcharhinus perezii</i>	2006-2010	42.36	INDIVIDUAL		
Remora	<i>Remora</i>	2006-2010	127.03	INDIVIDUAL	1.61	
Sand tiger	<i>Carcharias taurus</i>	2006-2010	2,005.87	INDIVIDUAL		
Sandbar shark	<i>Carcharhinus plumbeus</i>	2006-2010	7,768.85	INDIVIDUAL	1.68	
Scamp	<i>Mycteroperca phenax</i>	2006-2010	1,699.91	INDIVIDUAL	2.16	
Silky shark	<i>Carcharhinus falciformis</i>	2006-2010	349.25	INDIVIDUAL		
Skates	Rajidae	2006-2010	383.61	INDIVIDUAL	1.69	
Smooth dogfish	<i>Mustelus canis</i>	2006-2010	251.92	INDIVIDUAL	0.02	
Smooth hammerhead	<i>Sphyrna zygaena</i>	2006-2010	15,051.22	INDIVIDUAL		
Snappers	Lutjanidae	2006-2010	1,212.18	INDIVIDUAL		
Snowy grouper	<i>Epinephelus niveatus</i>	2006-2010	215.64	INDIVIDUAL		
Speckled hind	<i>Epinephelus drummondhayi</i>	2006-2010	62.01	INDIVIDUAL	0.93	
Spinner shark	<i>Carcharhinus brevipinna</i>	2006-2010	2,022.31	INDIVIDUAL	1.41	
Spiny dogfish	<i>Squalus acanthias</i>	2006-2010	20,167.46	INDIVIDUAL	1.4	
Spinycheek scorpionfish	<i>Neomerinthe hemingwayi</i>	2006-2010	58.61	INDIVIDUAL		
Swordfish	<i>Xiphias gladius</i>	2006-2010	251.42	INDIVIDUAL	0.92	
Thornback	<i>Platyrhinoidis triseriata</i>	2006-2010	979.07	INDIVIDUAL		
Tiger shark	<i>Galeocerdo cuvier</i>	2006-2010	4,992.57	INDIVIDUAL	1.56	
Tilefish	<i>Lopholatilus chamaeleonticeps</i>	2006-2010	14,574.07	INDIVIDUAL	0.99	
Tilefish	Malacanthidae	2006-2010	659.78	INDIVIDUAL	0.02	
Toad fishes	Batrachoididae	2006-2010	42.63	INDIVIDUAL		
Triggerfishes	Balistidae	2006-2010	173.67	INDIVIDUAL		
True eels	Anguilliformes	2006-2010	24,382.91	INDIVIDUAL	0.64	
Vermilion snapper	<i>Rhomboplites aurorubens</i>	2006-2010	122.51	INDIVIDUAL	0.44	
Warsaw grouper	<i>Epinephelus nigritus</i>	2006-2010	16.53	INDIVIDUAL		
Worm eels and snake eels	Ophichthidae	2006-2010	18,352.89	INDIVIDUAL		
Yellowedge grouper	<i>Epinephelus flavolimbatus</i>	2006-2010	952.68	INDIVIDUAL	0.95	
Yellowfin grouper	<i>Mycteroperca venenosa</i>	2006-2010	202.21	INDIVIDUAL		
Yellowfin tuna	<i>Thunnus albacares</i>	2006-2010	25.53	INDIVIDUAL		

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COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
TOTAL FISHERY BYCATCH			704,672.69	INDIVIDUAL		
TOTAL FISHERY LANDINGS			2,643,618.00	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)			**			
Gulf of Mexico Reef Fish Vertical Line						
Almaco jack	<i>Seriola rivoliana</i>	2006-2010	1,263.14	INDIVIDUAL	1.05	
Amberfishes, banded rudderfish, amberjacks, and yellowtails	<i>Seriola</i>	2006-2010	123,284.06	INDIVIDUAL	1.35	
Atlantic bonito	<i>Sarda sarda</i>	2006-2010	11,463.99	INDIVIDUAL	1.08	
Atlantic croaker	<i>Micropogonias undulatus</i>	2006-2010	100.98	INDIVIDUAL	0.82	
Atlantic cutlassfish	<i>Trichiurus lepturus</i>	2006-2010	2.48	INDIVIDUAL	1.01	
Atlantic sharpnose shark	<i>Rhizoprionodon terraenovae</i>	2006-2010	2,519.04	INDIVIDUAL	1.4	
Banded rudderfish	<i>Seriola zonata</i>	2006-2010	2,580.13	INDIVIDUAL	1.08	
Bank sea bass	<i>Centropristis ocyurus</i>	2006-2010	2,935.01	INDIVIDUAL		
Bar jack	<i>Carangoides ruber</i>	2006-2010	961.21	INDIVIDUAL	1.47	
Barracudas	Sphyraenidae	2006-2010	1,357.31	INDIVIDUAL	1.2	
Black drum	<i>Pogonias cromis</i>	2006-2010	3.71	INDIVIDUAL	1.26	
Black grouper	<i>Mycteroperca bonaci</i>	2008	1,295.00	INDIVIDUAL		
Black sea bass	<i>Centropristis striata</i>	2006-2010	15,261.08	INDIVIDUAL	0.96	
Black snapper	<i>Apsilus dentatus</i>	2006-2010	65.52	INDIVIDUAL	0.38	
Blackfin snapper	<i>Lutjanus buccanella</i>	2006-2010	21.28	INDIVIDUAL	0.2	
Blackfin tuna	<i>Thunnus atlanticus</i>	2006-2010	1,192.39	INDIVIDUAL	1.15	
Blacknose shark	<i>Carcharhinus acronotus</i>	2006-2010	518.90	INDIVIDUAL	1.04	
Blacktip shark	<i>Carcharhinus limbatus</i>	2006-2010	7,025.53	INDIVIDUAL	1.05	
Blowfish	Tetraodontidae	2006-2010	360.15	INDIVIDUAL	1.4	
Blue runner	<i>Caranx crysos</i>	2006-2010	44,902.32	INDIVIDUAL	1.1	
Bluefin tuna	<i>Thunnus thynnus</i>	2006-2010	24.50	INDIVIDUAL		
Bluefish	<i>Pomatomus saltatrix</i>	2006-2010	9,204.47	INDIVIDUAL	1.01	
Blueline tilefish	<i>Caulolatilus microps</i>	2006-2010	617.13	INDIVIDUAL	1.38	
Bluestriped grunt	<i>Haemulon sciurus</i>	2006-2010	9,388.36	INDIVIDUAL		
Breams and porgies	Sparidae	2006-2010	854.82	INDIVIDUAL	1.87	
Bull shark	<i>Carcharhinus leucas</i>	2006-2010	1,517.48	INDIVIDUAL	0.68	
Caribbean red snapper	<i>Lutjanus purpureus</i>	2006-2010	22.11	INDIVIDUAL		c
Caribbean sharpnose shark	<i>Rhizoprionodon porosus</i>	2006-2010	4,685.93	INDIVIDUAL	0.84	
Cartilaginous fishes	<i>Chondrichthyes</i>	2006-2010	44,993.37	INDIVIDUAL	0.51	

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COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Cobia	<i>Rachycentron canadum</i>	2010	9,557.00	INDIVIDUAL	20.7	
Conger eel	<i>Conger oceanicus</i>	2006-2010	19.14	INDIVIDUAL		
Cottonwick	<i>Haemulon melanurum</i>	2006-2010	14.44	INDIVIDUAL		
Crevalle jack	<i>Caranx hippos</i>	2006-2010	30,801.96	INDIVIDUAL	1.58	
Cusk	<i>Brosme brosme</i>	2006-2010	12.42	INDIVIDUAL		c
Dealfish	<i>Trachipterus arcticus</i>	2006-2010	134.73	INDIVIDUAL		
Dogfish sharks	Squalidae	2006-2010	121.63	INDIVIDUAL	0.62	
Dolphinfish	Coryphaena	2006-2010	3,805.94	INDIVIDUAL	1.03	
Dusky shark	<i>Carcharhinus obscurus</i>	2006-2010	255.84	INDIVIDUAL	1.37	
Flatfishes	Pleuronectiformes	2006-2010	265.56	INDIVIDUAL		
Gag	<i>Mycteroperca microlepis</i>	2008	1,004.00	INDIVIDUAL		
Glasseye snapper	<i>Heteropriacanthus cruentatus</i>	2006-2010	5.50	INDIVIDUAL		
Goliath grouper	<i>Epinephelus itajara</i>	2006-2010	4,366.01	INDIVIDUAL	0.6	
Gray snapper	<i>Lutjanus griseus</i>	2006-2010	34,527.14	INDIVIDUAL	0.96	
Gray triggerfish	<i>Balistes capriscus</i>	2006-2010	13,879.71	INDIVIDUAL	0.53	
Graysby	<i>Cephalopholis cruentata</i>	2006-2010	26.35	INDIVIDUAL		
Great hammerhead	<i>Sphyrna mokarran</i>	2006-2010	7.46	INDIVIDUAL		
Greater amberjack	<i>Seriola dumerili</i>	2009	13,901.00	INDIVIDUAL		
Groupers and sea basses	Serranidae	2006-2010	54,120.23	INDIVIDUAL	1.41	
Grunts	Haemulidae	2006-2010	10,650.88	INDIVIDUAL	1.09	
Hammerhead sharks	Sphyrnidae	2006-2010	253.65	INDIVIDUAL	1.78	
Hogfish	<i>Lachnolaimus maximus</i>	2006-2010	2,522.22	INDIVIDUAL		
Horse-eye jack	<i>Caranx latus</i>	2006-2010	164.31	INDIVIDUAL	1.41	
Jacks and pompanos	Carangidae	2006-2010	986.55	INDIVIDUAL	0.39	
King mackerel	<i>Scomberomorus cavalla</i>	2006-2010	25,944.82	INDIVIDUAL	0.94	
Knobbed porgy	<i>Calamus nodosus</i>	2006-2010	244.12	INDIVIDUAL	0.9	
Ladyfish	<i>Elops saurus</i>	2006-2010	21.04	INDIVIDUAL	0.82	
Lane snapper	<i>Lutjanus synagris</i>	2006-2010	11,742.19	INDIVIDUAL	1.48	
Lemon shark	<i>Negaprion brevirostris</i>	2006-2010	945.90	INDIVIDUAL	0.47	
Leopard shark	<i>Triakis semifasciata</i>	2006-2010	121.63	INDIVIDUAL		
Lesser amberjack	<i>Seriola fasciata</i>	2006-2010	467.64	INDIVIDUAL	1.23	
Little tunny	<i>Euthynnus alletteratus</i>	2006-2010	1,234.98	INDIVIDUAL	0.98	
Mako sharks	<i>Isurus</i>	2006-2010	7.16	INDIVIDUAL	0.54	

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COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Moray eels	Muraenidae	2006-2010	332.59	INDIVIDUAL	1.89	
Mutton snapper	<i>Lutjanus analis</i>	2010	3,667.00	INDIVIDUAL	0.6	b
Nassau grouper	<i>Epinephelus striatus</i>	2006-2010	150.90	INDIVIDUAL	1.06	
Night shark	<i>Carcharhinus signatus</i>	2006-2010	124.35	INDIVIDUAL		
Nurse shark	<i>Ginglymostoma cirratum</i>	2006-2010	2,672.51	INDIVIDUAL	1.12	
Osteichthyes	<i>Osteichthyes</i>	2006-2010	10,160.83	INDIVIDUAL	1.15	
Parrotfishes	Scaridae	2006-2010	176.18	INDIVIDUAL	1.41	
Permit	<i>Trachinotus falcatus</i>	2006-2010	2,919.09	INDIVIDUAL		
Pilotfish	<i>Naucrates ductor</i>	2006-2010	887.73	INDIVIDUAL		
Pinfish	<i>Lagodon rhomboides</i>	2006-2010	3,274.81	INDIVIDUAL	1.87	
Queen triggerfish	<i>Balistes vetula</i>	2006-2010	99.19	INDIVIDUAL		
Rainbow runner	<i>Elagatis bipinnulata</i>	2006-2010	1.73	INDIVIDUAL		
Red drum	<i>Sciaenops ocellatus</i>	2006-2010	20,017.49	INDIVIDUAL	0.81	
Red grouper	<i>Epinephelus morio</i>	2009	276,448.50	INDIVIDUAL		
Red hind	<i>Epinephelus guttatus</i>	2006-2010	160.63	INDIVIDUAL	0.36	
Red porgy	<i>Pagrus pagrus</i>	2006-2010	9,181.05	INDIVIDUAL	0.88	
Red snapper	<i>Lutjanus campechanus</i>	2010	1,559,720.00	INDIVIDUAL		
Reef shark	<i>Carcharhinus perezii</i>	2006-2010	1,486.58	INDIVIDUAL	0.89	
Remora	<i>Remora</i>	2006-2010	21,428.47	INDIVIDUAL	0.54	
Rock hind	<i>Epinephelus adscensionis</i>	2006-2010	303.92	INDIVIDUAL	0.85	
Rock sea bass	<i>Centropristis philadelphica</i>	2006-2010	10,987.90	INDIVIDUAL	1	
Sailfish	<i>Istiophorus platypterus</i>	2006-2010	149.22	INDIVIDUAL		
Sailors choice	<i>Haemulon parra</i>	2006-2010	382.83	INDIVIDUAL		
Sand perch	<i>Diplectrum formosum</i>	2006-2010	1,554.63	INDIVIDUAL	0.81	c
Sand tiger	<i>Carcharias taurus</i>	2006-2010	175.68	INDIVIDUAL		
Sandbar shark	<i>Carcharhinus plumbeus</i>	2006-2010	2,727.97	INDIVIDUAL	0.49	
Scalloped hammerhead	<i>Sphyrna lewini</i>	2006-2010	129.76	INDIVIDUAL		
Scamp	<i>Mycteroperca phenax</i>	2006-2010	20,151.76	INDIVIDUAL	0.55	
Scomber	<i>Scomber</i>	2006-2010	427.60	INDIVIDUAL	0.89	
Sea catfishes	Ariidae	2006-2010	3,503.93	INDIVIDUAL	1.41	
Sea chubs	<i>Kyphosidae</i>	2006-2010	1,508.90	INDIVIDUAL	1.32	
Sheepshead	<i>Archosargus probatocephalus</i>	2006-2010	729.77	INDIVIDUAL		
Silk snapper	<i>Lutjanus vivanus</i>	2006-2010	22.41	INDIVIDUAL		

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COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Silky shark	<i>Carcharhinus falciformis</i>	2006-2010	636.58	INDIVIDUAL	0.24	
Smooth dogfish	<i>Mustelus canis</i>	2006-2010	3.66	INDIVIDUAL		
Snappers	Lutjanidae	2006-2010	53,690.86	INDIVIDUAL	0.94	
Snowy grouper	<i>Epinephelus niveatus</i>	2006-2010	631.92	INDIVIDUAL	0.9	
Soliderfishes and squirrelfishes	Holocentridae	2006-2010	554.52	INDIVIDUAL	1.29	
Spadefishes	Ephippidae	2006-2010	5,097.85	INDIVIDUAL	0.32	
Spanish mackerel	<i>Scomberomorus maculatus</i>	2010	15,244.00	INDIVIDUAL	41.5	b
Speckled hind	<i>Epinephelus drummondhayi</i>	2006-2010	863.88	INDIVIDUAL	1.26	
Spinner shark	<i>Carcharhinus brevipinna</i>	2006-2010	1,801.88	INDIVIDUAL	1.34	
Thresher sharks	<i>Alopias</i>	2006-2010	29.84	INDIVIDUAL		
Tiger shark	<i>Galeocerdo cuvier</i>	2006-2010	1,458.58	INDIVIDUAL	0.76	
Tilefish	<i>Lopholatilus chamaeleonticeps</i>	2006-2010	1,416.79	INDIVIDUAL	1.38	
Tilefish	Malacanthidae	2006-2010	630.17	INDIVIDUAL	0.99	
Toad fishes	Batrachoididae	2006-2010	12.49	INDIVIDUAL	0.79	
Tomtate	<i>Haemulon aurolineatum</i>	2006-2010	5,711.07	INDIVIDUAL	0.39	
Triggerfishes	Balistidae	2006-2010	57,876.34	INDIVIDUAL	1.6	
True eels	Anguilliformes	2006-2010	4.93	INDIVIDUAL	0.47	
Vermilion snapper	<i>Rhomboplites aurorubens</i>	2006-2010	74,246.82	INDIVIDUAL	0.7	
Wahoo	<i>Acanthocybium solandri</i>	2006-2010	245.40	INDIVIDUAL		
Warsaw grouper	<i>Epinephelus nigritus</i>	2006-2010	1,076.87	INDIVIDUAL	1.68	
White grunt	<i>Haemulon plumierii</i>	2006-2010	9,154.50	INDIVIDUAL	1.34	
Whitebone porgy	<i>Calamus leucosteus</i>	2006-2010	241.02	INDIVIDUAL	1.37	
Worm eels and snake eels	Ophichthidae	2006-2010	3.16	INDIVIDUAL		
Yellowedge grouper	<i>Epinephelus flavolimbatus</i>	2006-2010	1,997.83	INDIVIDUAL	1.45	
Yellowtail snapper	<i>Ocyurus chrysurus</i>	2010	73,545.00	INDIVIDUAL	0.48	
TOTAL FISHERY BYCATCH			2,772,396.42	INDIVIDUAL		
TOTAL FISHERY LANDINGS			7,164,455.00	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)			**			
Gulf of Mexico Shrimp Trawl						
Atlantic croaker	<i>Micropogonias undulatus</i>	2010	33,465,067.62	POUND	0.1	
Black drum	<i>Pogonias cromis</i>	2010	479,983.08	POUND	0.16	
Cobia	<i>Rachycentron canadum</i>	2010	22,506.41	POUND	0.45	
Grouped finfish other than listed - Gulf of Mexico		2010	111,707,635.80	POUND	0.1	b

Table 4.1

NBR FIRST EDITION UPDATE

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Grouped sharks - Gulf of Mexico		2010	1,994,576.99	POUND	0.07	b
King mackerel	<i>Scomberomorus cavalla</i>	2010	38,449.74	POUND	0.27	
Lane snapper	<i>Lutjanus synagris</i>	2010	542,262.00	POUND	0.09	
Longspine porgy	<i>Stenotomus caprinus</i>	2010	8,296,931.67	POUND	0.05	b, c
Non-crustacean invertebrates - Gulf of Mexico		2010	21,793,087.30	POUND	0.1	b
Non-penaeid shrimp crustacean - Gulf of Mexico		2010	23,669,462.26	POUND	0.1	b
Other snappers - Gulf of Mexico		2010	4,126.76	POUND	0.86	b
Red drum	<i>Sciaenops ocellatus</i>	2010	1,387,057.83	POUND	0.11	
Red snapper	<i>Lutjanus campechanus</i>	2010	490,405.59	POUND	0.06	
Seatrout and weakfish - Gulf of Mexico	<i>Cynoscion</i>	2010	23,928,931.81	POUND	0.1	b
Southern flounder	<i>Paralichthys lethostigma</i>	2010	673,027.14	POUND	0.15	b
Spanish mackerel	<i>Scomberomorus maculatus</i>	2010	662,019.16	POUND	0.13	b
Vermilion snapper	<i>Rhomboplites aurorubens</i>	2010	87,426.93	POUND	0.15	
TOTAL FISHERY BYCATCH			229,242,958.09	POUND		
TOTAL FISHERY LANDINGS			129,540,595.00	POUND		
TOTAL CATCH (Bycatch + Landings)			358,783,553.09	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)			0.64			
Southeastern Atlantic Coastal Migratory Pelagic Troll						
African pompano	<i>Alectis ciliaris</i>	2006-2010	121.89	INDIVIDUAL		
Albacore	<i>Thunnus alalunga</i>	2006-2010	139.30	INDIVIDUAL		
Almaco jack	<i>Seriola rivoliana</i>	2006-2010	216.19	INDIVIDUAL	0.67	
Amberfishes, banded rudderfish, amberjacks, and yellowtails	<i>Seriola</i>	2006-2010	395.05	INDIVIDUAL	0.59	
Atlantic bonito	<i>Sarda sarda</i>	2006-2010	2,476.07	INDIVIDUAL	0.46	
Atlantic sharpnose shark	<i>Rhizoprionodon terraenovae</i>	2006-2010	988.84	INDIVIDUAL	0.71	
Barracudas	Sphyraenidae	2006-2010	289.18	INDIVIDUAL	0.62	
Black grouper	<i>Mycteroperca bonaci</i>	2006-2010	122.46	INDIVIDUAL	0.98	
Black sea bass	<i>Centropristis striata</i>	2006-2010	5,140.82	INDIVIDUAL	1.39	
Blackfin tuna	<i>Thunnus atlanticus</i>	2006-2010	241.76	INDIVIDUAL	0.91	
Blacktip shark	<i>Carcharhinus limbatus</i>	2006-2010	395.16	INDIVIDUAL	0.6	
Blue runner	<i>Caranx crysos</i>	2006-2010	1,904.94	INDIVIDUAL	1.48	
Bluefin tuna	<i>Thunnus thynnus</i>	2006-2010	153.11	INDIVIDUAL		
Bluefish	<i>Pomatomus saltatrix</i>	2006-2010	1,483.61	INDIVIDUAL	1.08	
Breams and porgies	Sparidae	2006-2010	1,880.73	INDIVIDUAL		

Table 4.1

NBR FIRST EDITION UPDATE

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Bull shark	<i>Carcharhinus leucas</i>	2006-2010	365.22	INDIVIDUAL	0.64	
Cartilaginous fishes	Chondrichthyes	2006-2010	1,229.35	INDIVIDUAL	0.65	
Cobia	<i>Rachycentron canadum</i>	2010	19.00	INDIVIDUAL	14.1	
Crevalle jack	<i>Caranx hippos</i>	2006-2010	797.38	INDIVIDUAL	1.77	
Dealfish	<i>Trachipterus arcticus</i>	2006-2010	49.62	INDIVIDUAL		
Dogfish sharks	Squalidae	2006-2010	39.70	INDIVIDUAL		
Dolphinfish	Coryphaena	2006-2010	4,556.76	INDIVIDUAL	0.45	
Dusky shark	<i>Carcharhinus obscurus</i>	2006-2010	105.92	INDIVIDUAL	0.97	
Gag	<i>Mycteroperca microlepis</i>	2006-2010	387.78	INDIVIDUAL	1.11	
Goliath grouper	<i>Epinephelus itajara</i>	2006-2010	63.78	INDIVIDUAL	1.01	
Gray snapper	<i>Lutjanus griseus</i>	2006-2010	43.34	INDIVIDUAL		
Gray triggerfish	<i>Balistes capriscus</i>	2006-2010	357.26	INDIVIDUAL		
Greater amberjack	<i>Seriola dumerili</i>	2006-2010	451.64	INDIVIDUAL	0.32	
Groupers and sea basses	Serranidae	2006-2010	78.74	INDIVIDUAL	0.71	
Grunts	Haemulidae	2006-2010	9,185.59	INDIVIDUAL	1.34	
Hakes	<i>Urophycis</i>	2006-2010	853.54	INDIVIDUAL	0.92	
Hammerhead sharks	<i>Sphyrnidae</i>	2006-2010	40.09	INDIVIDUAL	0.92	
King mackerel	<i>Scomberomorus cavalla</i>	2006-2010	29,506.11	INDIVIDUAL	0.45	
Ladyfish	<i>Elops saurus</i>	2006-2010	460.06	INDIVIDUAL		
Lane snapper	<i>Lutjanus synagris</i>	2006-2010	39.70	INDIVIDUAL		
Lemon shark	<i>Negaprion brevirostris</i>	2006-2010	168.61	INDIVIDUAL		
Lesser amberjack	<i>Seriola fasciata</i>	2006-2010	146.27	INDIVIDUAL		
Little tunny	<i>Euthynnus alletteratus</i>	2006-2010	4,671.28	INDIVIDUAL	0.78	
Longfin mako	<i>Isurus paucus</i>	2006-2010	19.95	INDIVIDUAL		
Mutton snapper	<i>Lutjanus analis</i>	2010	3,667.00	INDIVIDUAL	0.6	b
Night shark	<i>Carcharhinus signatus</i>	2006-2010	211.92	INDIVIDUAL		
Nurse shark	<i>Ginglymostoma cirratum</i>	2006-2010	473.85	INDIVIDUAL		
Osteichthyes	Osteichthyes	2006-2010	118.93	INDIVIDUAL	0.59	
Red drum	<i>Sciaenops ocellatus</i>	2006-2010	46.98	INDIVIDUAL	0.08	
Red grouper	<i>Epinephelus morio</i>	2006-2010	322.93	INDIVIDUAL	1	
Red porgy	<i>Pagrus pagrus</i>	2006-2010	4,246.07	INDIVIDUAL	1	
Red snapper	<i>Lutjanus campechanus</i>	2006-2010	1,757.67	INDIVIDUAL	1.04	
Reef shark	<i>Carcharhinus perezii</i>	2006-2010	161.11	INDIVIDUAL	1.37	

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NBR FIRST EDITION UPDATE

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Remora	<i>Remora</i>	2006-2010	471.25	INDIVIDUAL	0.73	
Sailfish	<i>Istiophorus platypterus</i>	2006-2010	229.14	INDIVIDUAL	0.57	
Sand perch	<i>Diplectrum formosum</i>	2006-2010	88.67	INDIVIDUAL		c
Sandbar shark	<i>Carcharhinus plumbeus</i>	2006-2010	101.47	INDIVIDUAL	1.02	
Scamp	<i>Mycteroperca phenax</i>	2006-2010	163.64	INDIVIDUAL	0.67	
Scomber	<i>Scomber</i>	2006-2010	2,394.19	INDIVIDUAL		
Skipjack tuna	<i>Katsuwonus pelamis</i>	2006-2010	281.06	INDIVIDUAL	1.04	
Smooth dogfish	<i>Mustelus canis</i>	2006-2010	42.53	INDIVIDUAL		
Spanish mackerel	<i>Scomberomorus maculatus</i>	2010	1,269.00	INDIVIDUAL	29.8	b
Spinner shark	<i>Carcharhinus brevipinna</i>	2006-2010	162.86	INDIVIDUAL		
Spiny dogfish	<i>Squalus acanthias</i>	2006-2010	2,826.22	INDIVIDUAL	1.37	
Spottail pinfish	<i>Diplodus holbrookii</i>	2006-2010	29,969.72	INDIVIDUAL		
Swordfish	<i>Xiphias gladius</i>	2006-2010	39.90	INDIVIDUAL		
Vermilion snapper	<i>Rhomboplites aurorubens</i>	2006-2010	2,774.88	INDIVIDUAL	1.32	
Wahoo	<i>Acanthocybium solandri</i>	2006-2010	74.10	INDIVIDUAL	0.35	
Yellowfin tuna	<i>Thunnus albacares</i>	2006-2010	287.80	INDIVIDUAL	0.69	
Yellowtail snapper	<i>Ocyurus chrysurus</i>	2006-2010	161.76	INDIVIDUAL	0.74	
TOTAL FISHERY BYCATCH			121,930.45	INDIVIDUAL		
TOTAL FISHERY LANDINGS			334,307.00	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)			**			
Southeastern Atlantic Snapper-Grouper Bottom Longline						
Amberfishes, banded rudderfish, amberjacks, and yellowtails	<i>Seriola</i>	2006-2010	249.34	INDIVIDUAL		
Atlantic sharpnose shark	<i>Rhizoprionodon terraenovae</i>	2006-2010	3,166.03	INDIVIDUAL	0.95	
Barracudas	Sphyraenidae	2006-2010	188.03	INDIVIDUAL	1.51	
Bignose shark	<i>Carcharhinus altimus</i>	2006-2010	266.07	INDIVIDUAL	1.09	
Black grouper	<i>Mycteroperca bonaci</i>	2008	104.00	INDIVIDUAL		
Black sea bass	<i>Centropristis striata</i>	2006-2010	565.91	INDIVIDUAL	1.28	
Blacknose shark	<i>Carcharhinus acronotus</i>	2006-2010	29.31	INDIVIDUAL		
Blacktip shark	<i>Carcharhinus limbatus</i>	2006-2010	926.91	INDIVIDUAL	1.09	
Blowfish	<i>Tetraodontidae</i>	2006-2010	1.31	INDIVIDUAL		
Blue shark	<i>Prionace glauca</i>	2006-2010	957.45	INDIVIDUAL		c
Bluefin tuna	<i>Thunnus thynnus</i>	2006-2010	136.78	INDIVIDUAL		
Bluefish	<i>Pomatomus saltatrix</i>	2006-2010	208.99	INDIVIDUAL		

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COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Bull shark	<i>Carcharhinus leucas</i>	2006-2010	751.09	INDIVIDUAL	1.55	
Caribbean sharpnose shark	<i>Rhizoprionodon porosus</i>	2006-2010	78,834.49	INDIVIDUAL		
Cartilaginous fishes	Chondrichthyes	2006-2010	40.19	INDIVIDUAL		
Dasyatidae	Dasyatidae	2006-2010	281.35	INDIVIDUAL		
Dogfish sharks	Squalidae	2006-2010	79.23	INDIVIDUAL	0.43	
Dolphinfish	Coryphaena	2006-2010	116.69	INDIVIDUAL		
Dusky shark	<i>Carcharhinus obscurus</i>	2006-2010	2,671.33	INDIVIDUAL	0.91	
Gag	<i>Mycteroperca microlepis</i>	2006-2010	518.62	INDIVIDUAL		
Goliath grouper	<i>Epinephelus itajara</i>	2006-2010	68.39	INDIVIDUAL		
Hakes	<i>Urophycis</i>	2006-2010	719.27	INDIVIDUAL	0.31	
Hammerhead sharks	Sphyrnidae	2006-2010	982.45	INDIVIDUAL	1.13	
Lemon shark	<i>Negaprion brevirostris</i>	2006-2010	170.97	INDIVIDUAL		
Lesser amberjack	<i>Seriola fasciata</i>	2006-2010	41.27	INDIVIDUAL		
Night shark	<i>Carcharhinus signatus</i>	2006-2010	30.72	INDIVIDUAL	0.92	
Nurse shark	<i>Ginglymostoma cirratum</i>	2006-2010	738.54	INDIVIDUAL	0.94	
Rays, sawfish, and skates	Rajiformes	2006-2010	396.79	INDIVIDUAL		
Red drum	<i>Sciaenops ocellatus</i>	2006-2010	68.39	INDIVIDUAL		
Red grouper	<i>Epinephelus morio</i>	2006-2010	51.29	INDIVIDUAL		
Red porgy	<i>Pagrus pagrus</i>	2006-2010	471.35	INDIVIDUAL	1.04	
Sailfish	<i>Istiophorus platypterus</i>	2006-2010	159.19	INDIVIDUAL		
Sand tiger	<i>Carcharias taurus</i>	2006-2010	1,996.45	INDIVIDUAL	1.35	
Sandbar shark	<i>Carcharhinus plumbeus</i>	2006-2010	9,365.02	INDIVIDUAL	1.84	
Scalloped hammerhead	<i>Sphyrna lewini</i>	2006-2010	2,811.90	INDIVIDUAL		
Scamp	<i>Mycteroperca phenax</i>	2006-2010	31.22	INDIVIDUAL	1.16	
Silky shark	<i>Carcharhinus falciformis</i>	2006-2010	415.18	INDIVIDUAL	1.17	
Skates	Rajidae	2006-2010	279.83	INDIVIDUAL		
Smalltooth sawfish	<i>Pristis pectinata</i>	2006-2010	1,583.95	INDIVIDUAL	0.11	a
Smooth dogfish	<i>Mustelus canis</i>	2006-2010	8,842.82	INDIVIDUAL	1.78	
Snowy grouper	<i>Epinephelus niveatus</i>	2006-2010	116.04	INDIVIDUAL	0.63	
Spinner shark	<i>Carcharhinus brevipinna</i>	2006-2010	76.21	INDIVIDUAL	0.97	
Spiny dogfish	<i>Squalus acanthias</i>	2006-2010	14,509.29	INDIVIDUAL	1.6	
Sunfish	Centrarchidae	2006-2010	8.55	INDIVIDUAL		
Tiger shark	<i>Galeocerdo cuvier</i>	2006-2010	7,706.04	INDIVIDUAL	0.92	

Table 4.1

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COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Tilefish	<i>Lopholatilus chamaeleonticeps</i>	2006-2010	12.14	INDIVIDUAL		
Toad fishes	Batrachoididae	2006-2010	320.57	INDIVIDUAL		
True eels	Anguilliformes	2006-2010	42.74	INDIVIDUAL		
White hake	<i>Urophycis tenuis</i>	2006-2010	39.82	INDIVIDUAL		
White shark	<i>Carcharodon carcharias</i>	2006-2010	76.47	INDIVIDUAL	0.18	
TOTAL FISHERY BYCATCH			142,225.98	INDIVIDUAL		
TOTAL FISHERY LANDINGS			696,846.00	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)						**
Southeastern Atlantic Snapper-Grouper Vertical Line						
Acanthuridae	Acanthuridae	2006-2010	77.27	INDIVIDUAL		
Albacore	<i>Thunnus alalunga</i>	2006-2010	75.11	INDIVIDUAL		
Almaco jack	<i>Seriola rivoliana</i>	2006-2010	200.73	INDIVIDUAL	1.69	
Amberfishes, banded rudderfish, amberjacks, and yellowtails	<i>Seriola</i>	2006-2010	10,457.90	INDIVIDUAL	1.32	
Atlantic bonito	<i>Sarda sarda</i>	2006-2010	5,693.18	INDIVIDUAL	0.89	
Atlantic needlefish	<i>Strongylura marina</i>	2006-2010	3,074.10	INDIVIDUAL	1.73	
Atlantic sharpnose shark	<i>Rhizoprionodon terraenovae</i>	2006-2010	9,479.00	INDIVIDUAL	0.62	
Ballyhoo	<i>Hemiramphus brasiliensis</i>	2006-2010	23,204.63	INDIVIDUAL	1.39	
Banded rudderfish	<i>Seriola zonata</i>	2006-2010	1,730.34	INDIVIDUAL	1.61	
Bank sea bass	<i>Centropristis ocyurus</i>	2006-2010	23.40	INDIVIDUAL		
Bar jack	<i>Carangoides ruber</i>	2006-2010	1,394.95	INDIVIDUAL	1.33	
Barracudas	Sphyraenidae	2006-2010	715.91	INDIVIDUAL	1.3	
Barrelfish	<i>Hyperoglyphe perciformis</i>	2006-2010	85.62	INDIVIDUAL		
Bigeye	<i>Priacanthus arenatus</i>	2006-2010	112.33	INDIVIDUAL		
Bigeye scad	<i>Selar crumenophthalmus</i>	2006-2010	826.17	INDIVIDUAL		
Black grouper	<i>Mycteroperca bonaci</i>	2008	1,295.00	INDIVIDUAL		
Black margate	<i>Anisotremus surinamensis</i>	2006-2010	58.53	INDIVIDUAL	1.07	
Black sea bass	<i>Centropristis striata</i>	2010	21,245.00	INDIVIDUAL		
Black snapper	<i>Apsilus dentatus</i>	2006-2010	289.13	INDIVIDUAL		
Blackbelly rosefish	<i>Helicolenus dactylopterus</i>	2006-2010	406.01	INDIVIDUAL	1.33	
Blackfin snapper	<i>Lutjanus buccanella</i>	2006-2010	2.56	INDIVIDUAL		
Blackfin tuna	<i>Thunnus atlanticus</i>	2006-2010	61.74	INDIVIDUAL	0.6	
Blacktip shark	<i>Carcharhinus limbatus</i>	2006-2010	2,873.03	INDIVIDUAL	1.5	
Blowfish	Tetraodontidae	2006-2010	583.86	INDIVIDUAL	0.42	

Table 4.1

NBR FIRST EDITION UPDATE

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Blue runner	<i>Caranx crysos</i>	2006-2010	30,325.24	INDIVIDUAL	1.31	
Blue shark	<i>Prionace glauca</i>	2006-2010	3,194.44	INDIVIDUAL		c
Bluefin tuna	<i>Thunnus thynnus</i>	2006-2010	811.29	INDIVIDUAL		
Bluefish	<i>Pomatomus saltatrix</i>	2006-2010	2,197.48	INDIVIDUAL	0.67	
Blueline tilefish	<i>Caulolatilus microps</i>	2006-2010	135.19	INDIVIDUAL		
Bluestriped grunt	<i>Haemulon sciurus</i>	2006-2010	392.84	INDIVIDUAL	1.29	
Bonnethead	<i>Sphyrna tiburo</i>	2006-2010	1,055.22	INDIVIDUAL	0.75	
Breams and porgies	Sparidae	2006-2010	1,275.16	INDIVIDUAL	1.72	
Bull shark	<i>Carcharhinus leucas</i>	2006-2010	212.82	INDIVIDUAL	0.99	
Butterflyfishes	Chaetodontidae	2006-2010	171.57	INDIVIDUAL	1.41	
Caribbean sharpnose shark	<i>Rhizoprionodon porosus</i>	2006-2010	1,100.94	INDIVIDUAL	0.81	
Cartilaginous fishes	Chondrichthyes	2006-2010	14,050.84	INDIVIDUAL	0.96	
Cobia	<i>Rachycentron canadum</i>	2010	218.00	INDIVIDUAL	26.6	
Coney	<i>Cephalopholis fulva</i>	2006-2010	34.27	INDIVIDUAL		c
Conger eel	<i>Conger oceanicus</i>	2006-2010	1.00	INDIVIDUAL		
Coregonus	<i>Coregonus</i>	2006-2010	204.10	INDIVIDUAL	1.3	
Crevalle jack	<i>Caranx hippos</i>	2006-2010	324.27	INDIVIDUAL	1.37	
Dealfish	<i>Trachipterus arcticus</i>	2006-2010	21.13	INDIVIDUAL		
Dogfish sharks	Squalidae	2006-2010	919.35	INDIVIDUAL	0.65	
Dolphinfish	Coryphaena	2006-2010	6,443.86	INDIVIDUAL	0.58	
Dusky shark	<i>Carcharhinus obscurus</i>	2006-2010	35.33	INDIVIDUAL	0.22	
Florida pompano	<i>Trachinotus carolinus</i>	2006-2010	1,484.54	INDIVIDUAL		
French grunt	<i>Haemulon flavolineatum</i>	2006-2010	155.18	INDIVIDUAL	1.25	
Gag	<i>Mycteroperca microlepis</i>	2006-2010	17,073.35	INDIVIDUAL	0.54	
Goliath grouper	<i>Epinephelus itajara</i>	2006-2010	1,575.05	INDIVIDUAL	0.66	
Gray snapper	<i>Lutjanus griseus</i>	2006-2010	166,791.19	INDIVIDUAL	0.8	
Gray triggerfish	<i>Balistes capriscus</i>	2006-2010	3,424.32	INDIVIDUAL	1.02	
Graysby	<i>Cephalopholis cruentata</i>	2006-2010	50.89	INDIVIDUAL	1.19	
Greater amberjack	<i>Seriola dumerili</i>	2006-2010	7,207.13	INDIVIDUAL	0.51	
Groupers and sea basses	Serranidae	2006-2010	4,449.67	INDIVIDUAL	1.17	
Grunts	<i>Haemulidae</i>	2006-2010	18,154.88	INDIVIDUAL	1.35	
Hakes	<i>Urophycis</i>	2006-2010	76.06	INDIVIDUAL		
Hammerhead sharks	Sphyrnidae	2006-2010	133.36	INDIVIDUAL	1.49	

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NBR FIRST EDITION UPDATE

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Hogfish	<i>Lachnolaimus maximus</i>	2006-2010	879.53	INDIVIDUAL	1.47	
Horse-eye jack	<i>Caranx latus</i>	2006-2010	112.66	INDIVIDUAL		
Jacks and pompanos	Carangidae	2006-2010	26.91	INDIVIDUAL	0.71	
Jolthead porgy	<i>Calamus bajonado</i>	2006-2010	147.92	INDIVIDUAL	1.05	
Kelp bass	<i>Paralabrax clathratus</i>	2006-2010	91.48	INDIVIDUAL		
King mackerel	<i>Scomberomorus cavalla</i>	2006-2010	22,240.18	INDIVIDUAL	1.02	
Kingfishes	<i>Menticirrhus</i>	2006-2010	93.61	INDIVIDUAL		
Knobbed porgy	<i>Calamus nodosus</i>	2006-2010	405.64	INDIVIDUAL		
Ladyfish	<i>Elops saurus</i>	2006-2010	386.96	INDIVIDUAL	0.13	
Lane snapper	<i>Lutjanus synagris</i>	2006-2010	2,579.45	INDIVIDUAL	0.81	
Lemon shark	<i>Negaprion brevirostris</i>	2006-2010	165.01	INDIVIDUAL	0.26	
Lesser amberjack	<i>Seriola fasciata</i>	2006-2010	570.15	INDIVIDUAL	1.54	
Lionfish	<i>Pterois</i>	2006-2010	53.19	INDIVIDUAL		
Little tunny	<i>Euthynnus alletteratus</i>	2006-2010	2,992.08	INDIVIDUAL	1.19	
Littlehead porgy	<i>Calamus proridens</i>	2006-2010	18.72	INDIVIDUAL		
Mahogany snapper	<i>Lutjanus mahogoni</i>	2006-2010	7,921.46	INDIVIDUAL		
Mako sharks	<i>Isurus</i>	2006-2010	1.81	INDIVIDUAL		
Margate	<i>Haemulon album</i>	2006-2010	878.81	INDIVIDUAL	1.38	
Moray eels	Muraenidae	2006-2010	276.01	INDIVIDUAL	1.12	
Mugilidae	Mugilidae	2006-2010	210.62	INDIVIDUAL		
Mutton snapper	<i>Lutjanus analis</i>	2010	3,667.00	INDIVIDUAL	0.6	b
Nassau grouper	<i>Epinephelus striatus</i>	2006-2010	892.78	INDIVIDUAL	1.6	
Nurse shark	<i>Ginglymostoma cirratum</i>	2006-2010	414.47	INDIVIDUAL	0.88	
Ocean triggerfish	<i>Canthidermis sufflamen</i>	2006-2010	80.39	INDIVIDUAL	1.23	
Oceanic whitetip shark	<i>Carcharhinus longimanus</i>	2006-2010	398.93	INDIVIDUAL	1.25	
Octopus	Octopodidae	2006-2010	25.73	INDIVIDUAL		
Osteichthyes	Osteichthyes	2006-2010	1,126.13	INDIVIDUAL	0.93	
Parrotfishes	Scaridae	2006-2010	796.02	INDIVIDUAL	0.72	
Porkfish	<i>Anisotremus virginicus</i>	2006-2010	356.72	INDIVIDUAL	1	
Queen snapper	<i>Etelis oculatus</i>	2006-2010	45.06	INDIVIDUAL		
Queen triggerfish	<i>Balistes vetula</i>	2006-2010	187.71	INDIVIDUAL	1.13	
Rainbow runner	<i>Elagatis bipinnulata</i>	2006-2010	622.82	INDIVIDUAL	0.73	
Rays, sawfish, and skates	Rajiformes	2006-2010	66.00	INDIVIDUAL		

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COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Red drum	<i>Sciaenops ocellatus</i>	2006-2010	795.68	INDIVIDUAL	1.32	
Red grouper	<i>Epinephelus morio</i>	2008	1,993.00	INDIVIDUAL		
Red hind	<i>Epinephelus guttatus</i>	2006-2010	304.64	INDIVIDUAL	1.15	
Red porgy	<i>Pagrus pagrus</i>	2006-2010	72,977.80	INDIVIDUAL	0.24	
Red snapper	<i>Lutjanus campechanus</i>	2009	20,402.00	INDIVIDUAL	0.29	
Reef shark	<i>Carcharhinus perezii</i>	2006-2010	50.71	INDIVIDUAL		
Remora	<i>Remora</i>	2006-2010	6,824.90	INDIVIDUAL	0.92	
Rock hind	<i>Epinephelus adscensionis</i>	2006-2010	19.45	INDIVIDUAL	0.41	
Rock sea bass	<i>Centropristis philadelphica</i>	2006-2010	757.84	INDIVIDUAL	1.11	
Sailfish	<i>Istiophorus platypterus</i>	2006-2010	622.32	INDIVIDUAL	0.63	
Sand tiger	<i>Carcharias taurus</i>	2006-2010	160.42	INDIVIDUAL	1.36	
Sand tilefish	<i>Malacanthus plumieri</i>	2006-2010	882.94	INDIVIDUAL	1.05	
Sandbar shark	<i>Carcharhinus plumbeus</i>	2006-2010	478.76	INDIVIDUAL	0.58	
Scads	Carangidae	2006-2010	110.92	INDIVIDUAL		
Scamp	<i>Mycteroperca phenax</i>	2006-2010	6,936.67	INDIVIDUAL	0.3	
Schoolmaster	<i>Lutjanus apodus</i>	2006-2010	4.69	INDIVIDUAL		c
Scomber	<i>Scomber</i>	2006-2010	135.10	INDIVIDUAL		
Scorpionfishes	Scorpaenidae	2006-2010	73.73	INDIVIDUAL	1.61	
Sea catfishes	Ariidae	2006-2010	940.53	INDIVIDUAL	0.36	
Sea chubs	Kyphosidae	2006-2010	708.85	INDIVIDUAL	1.18	
Sheepshead	<i>Archosargus probatocephalus</i>	2006-2010	1,952.76	INDIVIDUAL		
Silk snapper	<i>Lutjanus vivanus</i>	2006-2010	7.20	INDIVIDUAL	0.43	
Silky shark	<i>Carcharhinus falciformis</i>	2006-2010	712.32	INDIVIDUAL	1.66	
Smooth dogfish	<i>Mustelus canis</i>	2006-2010	291.52	INDIVIDUAL	0.99	
Snappers	Lutjanidae	2006-2010	7,933.54	INDIVIDUAL	1.85	
Snowy grouper	<i>Epinephelus niveatus</i>	2006-2010	629.46	INDIVIDUAL	1.13	
Soliderfishes and squirrelfishes	Holocentridae	2006-2010	226.01	INDIVIDUAL	1.56	
Spadefishes	Ephippidae	2006-2010	5,757.55	INDIVIDUAL	1.19	
Spanish mackerel	<i>Scomberomorus maculatus</i>	2010	1,883.00	INDIVIDUAL	26.6	b
Speckled hind	<i>Epinephelus drummondhayi</i>	2006-2010	494.53	INDIVIDUAL	1.04	
Spinner shark	<i>Carcharhinus brevipinna</i>	2006-2010	114.13	INDIVIDUAL	0.47	
Spiny dogfish	<i>Squalus acanthias</i>	2006-2010	457.70	INDIVIDUAL	0.58	
Spottail pinfish	<i>Diplodus holbrookii</i>	2006-2010	1,546.00	INDIVIDUAL	0.73	

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COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Swordfish	<i>Xiphias gladius</i>	2006-2010	1,606.07	INDIVIDUAL	1.2	
Thresher sharks	<i>Alopias</i>	2006-2010	14.19	INDIVIDUAL	0.83	
Tiger shark	<i>Galeocerdo cuvier</i>	2006-2010	329.23	INDIVIDUAL	0.88	
Tilefish	<i>Lopholatilus chamaeleonticeps</i>	2006-2010	363.91	INDIVIDUAL	1.6	
Tilefish	Malacanthidae	2006-2010	15.85	INDIVIDUAL		
Toad fishes	Batrachoididae	2006-2010	367.96	INDIVIDUAL	1.9	
Tomtate	<i>Haemulon aurolineatum</i>	2006-2010	6,733.68	INDIVIDUAL	0.99	
Triggerfishes	Balistidae	2006-2010	2,639.20	INDIVIDUAL	0.53	
True eels	Anguilliformes	2006-2010	157.85	INDIVIDUAL	1.3	
Vermilion snapper	<i>Rhomboplites aurorubens</i>	2006-2010	75,161.69	INDIVIDUAL	0.44	
Wahoo	<i>Acanthocybium solandri</i>	2006-2010	29.11	INDIVIDUAL	1.14	
Warsaw grouper	<i>Epinephelus nigritus</i>	2006-2010	181.04	INDIVIDUAL	1.79	
Weakfish	<i>Cynoscion regalis</i>	2006-2010	97.61	INDIVIDUAL		
White grunt	<i>Haemulon plumierii</i>	2006-2010	2,874.94	INDIVIDUAL	0.73	
White hake	<i>Urophycis tenuis</i>	2006-2010	17.55	INDIVIDUAL		
White marlin	<i>Kajikia albida</i>	2006-2010	42.37	INDIVIDUAL		
White shark	<i>Carcharodon carcharias</i>	2006-2010	1.12	INDIVIDUAL		
Whitebone porgy	<i>Calamus leucosteus</i>	2006-2010	306.57	INDIVIDUAL		
Wreckfish	<i>Polyprion americanus</i>	2006-2010	56.49	INDIVIDUAL	1.13	
Yellow jack	<i>Carangoides bartholomaei</i>	2006-2010	637.56	INDIVIDUAL	1.24	c
Yellowfin grouper	<i>Mycteroperca venenosa</i>	2006-2010	39.28	INDIVIDUAL	1.22	
Yellowfin tuna	<i>Thunnus albacares</i>	2006-2010	4,028.94	INDIVIDUAL	1.63	
Yellowtail snapper	<i>Ocyurus chrysurus</i>	2010	73,545.00	INDIVIDUAL	0.48	
TOTAL FISHERY BYCATCH			722,831.30	INDIVIDUAL		
TOTAL FISHERY LANDINGS			6,137,794.00	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)			**			
Southeastern Atlantic and Gulf of Mexico Shark Bottom Longline						
Atlantic sharpnose shark	<i>Rhizoprionodon terraenovae</i>	2010	22,143.15	INDIVIDUAL		
Blacknose shark	<i>Carcharhinus acronotus</i>	2010	7,559.77	INDIVIDUAL		
Blacktip shark	<i>Carcharhinus limbatus</i>	2010	4,182.00	INDIVIDUAL		
Bull shark	<i>Carcharhinus leucas</i>	2010	160.85	INDIVIDUAL		
Cobia	<i>Rachycentron canadum</i>	2010	53.62	INDIVIDUAL		
Gafftopsail catfish	<i>Bagre marinus</i>	2010	214.46	INDIVIDUAL		b

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COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Goliath grouper	<i>Epinephelus itajara</i>	2010	107.23	INDIVIDUAL		
Nurse shark	<i>Ginglymostoma cirratum</i>	2010	15,709.31	INDIVIDUAL		
Red drum	<i>Sciaenops ocellatus</i>	2010	214.46	INDIVIDUAL		
Sandbar shark	<i>Carcharhinus plumbeus</i>	2010	2,412.69	INDIVIDUAL		
Scalloped hammerhead	<i>Sphyrna lewini</i>	2010	428.92	INDIVIDUAL		
Tiger shark	<i>Galeocerdo cuvier</i>	2010	2,895.23	INDIVIDUAL		
TOTAL FISHERY BYCATCH			56,081.69	INDIVIDUAL		
TOTAL FISHERY LANDINGS			407,730.00	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).

a The take of this species is prohibited without prior authorization because it is listed as endangered under the ESA.

b The bycatch estimate for this species or group was generated using 2010 data only.

c A small amount of landings for this species is confidential and not included in this report.