

APPENDIX 2

SUMMARY OF OBSERVED, ESTIMATED, INCIDENTAL, (LETHAL), AND [STRANDINGS] TAKE LEVELS, SEA TURTLE LIFE STAGE, GEOGRAPHIC REGION OF ACTIVITY, AND REFERENCE FOR PERMITTED AND NON-PERMITTED SPECIFIC AND GENERALIZED ACTIVITIES IMPACTING SEA TURTLES IN THE U.S. ATLANTIC, CARIBBEAN, AND GULF OF MEXICO

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APPENDIX 2.

Table 1. Summary of observed, estimated , <i>incidental</i> , (lethal), and [strandings] take levels, sea turtle life stage, geographic region of activity and reference for permitted and non-permitted specific activities in the U.S. Atlantic, Caribbean and Gulf of Mexico.									
	Annual Observed, Estimated , <i>Incidental</i> (Lethal) and [Strandings] Take Levels ¹						Life Stage	Geographic Region	Reference
	Loggerhead	Leatherback	Green	Kemp's	Hawksbill	Olive Ridley			
Federal Permitted Activities - NMFS									
Coast Guard Vessel Operation	<i>1(1)</i> ²	<i>1(1)</i> ²	<i>1(1)</i> ²	<i>1(1)</i> ²	<i>1(1)</i> ²	0	Adult, Immature	Atlantic	NMFS 1995a, 1996b, 1998b
Navy – SE Ops Area ³	<i>91(91)</i>	<i>17(17)</i> ²	<i>16(16)</i> ²	<i>16(16)</i> ²	<i>4(4)</i> ²	0	Adult, Immature	Atlantic, Gulf of Mexico	NMFS 1997b
Navy-NE Ops Area	<i>10(10)</i>	0	<i>1(1)</i> ²	<i>1(1)</i> ²	0	0	Adult, Immature	N. Atlantic	NMFS 1996f
Shipslock – Seawolf/Winston Churchill ⁴	<i>276(58)</i> ²	<i>276(58)</i> ²	<i>276(58)</i> ²	<i>276(58)</i> ²	<i>276(58)</i> ²	0	Adult, Immature	Atlantic coast of Florida	NMFS 1996c
COE Dredging-NE Atlantic	<i>29(29)</i>	<i>2(2)</i>	<i>7(7)</i> ²	<i>6(6)</i> ²	0	0	Adult, Immature	NE Atlantic	NMFS 1998i, NMFS 1998j, NMFS 2000g
COE Dredging – S. Atlantic	<i>35(35)</i>	0	<i>7(7)</i>	<i>7(7)</i>	<i>2(2)</i>	0	Adult, Immature	S. Atlantic	NMFS 1997f
COE Dredging - N & W Gulf of Mexico	<i>30(30)</i>	0	<i>8(8)</i>	<i>14(14)</i>	<i>2(2)</i>	0	Adult, Immature	N&W Gulf of Mexico	NMFS 1998k
COE Dredging - E Gulf of Mexico	<i>8 (8)</i> ⁵	<i>5(5)</i> ⁵	<i>5(5)</i> ⁵	<i>5(5)</i> ⁵	<i>5(5)</i> ⁵	0	Adult, Immature	E. Gulf of Mexico	NMFS 1996g
COE Rig Removal, Gulf of Mexico	<i>1(1)</i> ²	<i>1(1)</i> ²	<i>1(1)</i> ²	<i>1(1)</i> ²	<i>1(1)</i> ²	0	Adult, Immature	Gulf of Mexico	NMFS 1997g
Wilmington Harbor Project - Blasting	<i>1(1)</i>	<i>1(1)</i>	<i>1(1)</i>	<i>1(1)</i>	<i>1(1)</i>	0	Adult, Benthic immature	8/1 - 1/31 New Hanover & Brunswick Co, NC	NMFS 2000f
Wilmington Harbor Project - Gill nets	<i>undeterm.</i>	<i>undeterm.</i>	<i>undeterm.</i>	<i>undeterm.</i>	<i>undeterm.</i>	0	Adult, Benthic immature	8/1 - 1/31 New Hanover & Brunswick Co, NC	NMFS 2000f
MMS Destin Dome Lease Sales	<i>1(1)</i> ^{2;6}	<i>1(1)</i> ^{2;6}	<i>1(1)</i> ^{2;6}	<i>1(1)</i> ^{2;6}	<i>1(1)</i> ²⁶	0	Adult, Immature	eastern Gulf of Mexico	NMFS 2000h

MMS Rig Removal, Gulf of Mexico	10(10) ⁷	5(5) ^{2:7}	5(5) ^{2:7}	5(5) ^{2:7}	5(5) ^{2:7}	0	Adult, Immature	Gulf of Mexico	NMFS 1988, NMFS 1998l
NE Multispecies Sink Gillnet Fishery	10(10)	4(4)	4(4)	2(2)	0	0	Adult, Immature	Gulf of Maine, mid-Atlantic	NMFS 1989, 1993c, 1996d
NE Observer Program Sink Gillnet Fishery ⁸	0-2(0)	0	0	0	0	0	Adult, Immature	NE Atlantic	NEFSC unpubl. data (Richard Merrick ⁹ , Mike Tork ¹⁰ , personal communication)
NE Observer Program Bottom Coastal Gillnet ⁸	1-13(0-7)	0	0-2(0-2)	1-4(1-2)	0	0	Adult, Immature	Mid-Atlantic	NEFSC unpubl. data (Richard Merrick ⁹ , Mike Tork ¹⁰ , personal communication)
NE Observer Program Scallop Dredge ⁸	0-1(0)	0	0	0	0	0	Adult, Immature	Mass-Va.	NEFSC unpubl. data (Richard Merrick ⁹ , Mike Tork ¹⁰ , personal communication)
ASMFC Lobster Plan	10 (10)	4(4)	0	0	0	0	Adult, Pelagic immature	Atlantic- Maine-NC	NMFS 1998c
Bluefish	6(3)	0	0	6(6)	0	0	Adult, Immature	Atlantic - Maine-Florida	NMFS 1999b
Herring	6(3)	1(1)	1(1)	1(1)	0	0	Adult, Immature	NE Atlantic	NMFS 1999d
Mackerel, Squid, Butterfish	6(3)	1(1)	2(2)	2(2)	0	0	Adult, Immature	NE and Mid-Atlantic	NMFS 1999a
Monkfish Fishery ⁷	6(3)	1(1)	1(1)	1(1)	0	0	Adult, Immature	NE and Mid-Atlantic	NMFS 1998d
Dogfish Fishery	6(3)	1(1)	1(1)	1(1)	0	0	Adult, Immature	Atlantic-Maine-Fl	NMFS 1999c
Sargassum	30(30) ¹¹	1(1) ²	1(1) ²	1(1) ²	1(1) ²	0	Adult, Pelagic immature	Atlantic	NMFS 1999i
Summer Flounder, Scup & Black Sea Bass	15(5)	3(3) ²	3(3) ²	3(3) ²	3(3) ²	0	Adult, Immature	NE and Mid-Atlantic	NMFS 1996a
Shrimp Fishery	3450(3450) ¹²	650(650) ¹²	3450(3450) ¹²	3450(3450) ¹²	3450(3450) ¹²	0	Adult, Immature	Atlantic, Gulf of Mexico	NMFS 1998a

NE Observer Program - Otter Trawl ⁸	0-1(0)	0	0	0	0	0	Adult, Immature	NE and Mid-Atlantic	NEFSC unpubl. data (Richard Merrick ⁹ , Mike Tork ¹⁰ , personal communication)
NE Observer Program - Mid-Atlantic Coastal Trawl ⁸	3-15(1-4)	0	0	0-2(0)	0	0	Adult, Immature	Mid-Atlantic	NEFSC unpubl. data (Richard Merrick ⁹ , Mike Tork ¹⁰ , personal communication)
Weakfish	20(20)	0	0	2(2)	0	0	Adult, Immature	Atlantic	NMFS 1997h
HMS - Pelagic Longline Fishery ¹³	468(7)	358(6)	46(2)	23(1)	46(2)	0	Adult, Immature	Atlantic, Gulf of Mexico	NMFS 2000i
HMS - Pelagic Longline Fishery ¹⁴	931(1)	918(0)	0	0	0	0	Adult, Immature	Atlantic, Gulf of Mexico	Yeung <i>et al</i> 2000
NE Observer Program Longline Fishery ⁸	8-119(0)	2-45(0)	0-2(0)	0	0	0	Adult, Pelagic immature	Maine-Florida	NEFSC unpubl. data (Richard Merrick ⁹ , Mike Tork ¹⁰ , personal communication)
HMS - Shark gillnet Fishery ¹⁵	20(20)	2(2)	2(2)	2(2)	2(2)	0	Adult, Immature	Georgia, Florida coastal waters	NMFS 2000i
NE Observer Program - Pelagic Drift Gillnet ^{11a}	6-35(1-10)	5-27(2-12)	0-2(0-1)	0-1(0-1)	0	0	Adult, Immature	Maine-Florida	NEFSC unpubl. data (Richard Merrick ⁹ , Mike Tork ¹⁰ , personal communication)
HMS - Bottom Longline Fishery ¹⁵	12(12)	2(2)	2(2)	2(2)	2(2)	0	Adult, Immature	Atlantic, Caribbean, Gulf of Mexico	NMFS 2000i
HMS - all other gears ¹⁵	3(3)	3(3)	3(3)	3(3)	3(3)	0	Adult, Immature	Atlantic, Caribbean, Gulf of Mexico	NMFS 2000i
NRC – St. Lucie, FL ¹⁶	<i>unlimited(2)</i>	<i>unlimited(1)</i>	<i>unlimited(3)</i>	<i>unlimited(1)</i>	<i>unlimited(1)</i>	0	Adult, Benthic immature	Florida	NMFS 1997a
NRC – Brunswick, NC	50 (6) ²	50 ²	50 (3) ²	50 (2) ²	50 ²	0	Adult, Benthic immature	North Carolina	NMFS 2000j

NRC – Crystal River, FL	55 (1) ²	55 (1) ²	55 (1) ²	55 (1) ²	55 (1) ²	0	Adult, Benthic immature	Florida	NMFS 1999j
Oyster Creek Nuclear Generating Station ¹⁷	10(3)	0	2(1)	3(1)	0	0	Adult, Benthic immature	New Jersey	NMFS 1995b
Salem&Hope Creek Nuclear Generating Station	30(5)	0	5(2)	5(1)	0	0	Adult, Benthic immature	New Jersey	NMFS 1993a, 1998e
Sneads Ferry Shrimp Trawling, NCDMF	2 - 0	1 - 0	1 - 0	1 - 0	1 - 0	0	Adult, Benthic immature	Sneads Ferry, North Carolina	NMFS 1996e Permit # 1008
Grays Reef National Marine Sanctuary	30 - 1(0)	0	0	0	0	0	Adult	Georgia	NMFS 1997c Permit # 1030
Atlantic, Gulf of Mexico, U.S. Virgin Islands, Puerto Rico Research	200 - 13(0)	8 - 4(0)	20 - 20(1)	20 - 4(0)	1 - 0	0	Adult	Georgia & Florida	NMFS 1997d Permit # 1033
Eastern Atlantic Ocean Research, Dr. Molly Lutcavage, New England Aquarium	0	8 - 4(0)	0	0	0	0	Adult, Pelagic immature	Puerto Rico	NMFS 1997e Permit # 1053
Flower Gardens National Marine Sanctuary Research, Dr. David Owens	15 - 3(0)	0	0	10 - 0	5 - 0	0	Adult	Texas	NMFS 1998f Permit #1106
Galveston Texas Research, Dr. Andre M. Landry, Jr.	100 - 2(0)	0	150 - 2(0)	200 - 47(0)	20 - 0	0	Adult, Immature	Calcasieu & Sabine Pass, TX	NMFS 1998g Permit # 1133
Pierce Inlet Indian River Lagoon Research, Bruce D. Peery and Michael J. Bressette	25 - 13(0)	0	100 - 64(0)	5 - 0	0	0	Adult	Florida	NMFS 1998h Permit # 1144
Northwest Atlantic Ocean, Stepen M.H. Connett, St. George's School	50 - 6(0)	0	5 - 81(0)	5 - 0	5 - 37(0)	0	Adult, Immature	Bahamas	NMFS 1999e Permit # 1187
Florida Bay Research, Florida Fish and Wildlife Conservation Commission	300 - 46(0)	5 - 0	250 - 5(0)	100 - 2(0)	25 - 0	0	Adult, Immature	Florida Bay	NMFS 1999f Permit # 1198
Florida Bay Research, Florida Fish and Wildlife Conservation Commission	400 - 126(10) found dead	0	0	0	0	0	Hatchling	Florida Bay	NMFS 1999f Permit # 1198
Alabama Research, Dr. Thane Wibbels	100 - 0	0	100 - 0	50 - 0	0	0	Benthic immature	Alabama	NMFS 1999g Permit # 1201
Mosquito Lagoon, Florida Research, Dr. Jane Provancha	100 - 1(0)	0	100 - 10(0)	0	0	0	Adult, Benthic immature	Florida	NMFS 1999h Permit # 1214
Indian River Lagoon Estuary Research, Dr. Llewellyn M. Ehrhart ¹⁸	135	1	600	3	2	0	Adult, Benthic immature	Florida	NMFS 2000a Permit # 1231

Virgin Islands Research, Dr. Jack Musick, Virginia Institute of Marine Sciences ¹⁸	0	5	10	0	20	0	Adult, Immature	US Virgin Islands	NMFS 2000b Permit # 1236
Trawling SC to FL Research , J. David Whitaker, SCDNR ¹⁸	200	1	1	23	0	0	Adult, Immature	SC to Florida	NMFS 2000c Permit # 1245
Puerto Rico Research, Carlos Diez, PRDRNA ¹⁸	0	0	300	0	300	0	Adult, Benthic immature	Puerto Rico	NMFS 2000d Permit # 1253
NC Flounder Gillnet Fishery ITP NCDENR, DMF ^{18,19}	112 (56) [14] 8(2) 51.0(7.4)	2(2) 0	72 (36) [9] 6(3) 93.1(43.5)	192 (96) [24] 34.5 (28.3)	2 (2)	0	Adult, Benthic immature	Pamlico Sound, NC	NMFS 2000e Permit # 1259
Federal Permitted Activities - FWS ²⁰									
Region 5 (NE) - Beach Nourishment - Colonel Robert Reardon, COE	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Hatchling	ACOE Va. Beach, VA	FWS,1996a
Beach Nourishment - Ms. Valerie Hilliard, USN	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Hatchling	USN - Dam Neck, VA	FWS,1995a
Transportation of live stranded, injured - Ms. Dana Hartley, NE region Stranding Network coordinator	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Immature	ME, Mass, Conn, NY, NJ, Del, Md, Va	FWS,1999d
Holding of turtles for rehabilitation and display purposes- Ms. Dana Hartley, NE region Stranding Network coordinator	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Immature	Mass, Va	FWS 1999d
Tagging of Nesting Females- Ms. Dana Hartley, NE region Stranding Network coordinator	1	0	0	0	0	0	Adult	Virginia	FWS 1999d
Region 4 (SE) - Beach driving Incidental Take Permit - County of Volusia, FL	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Hatchling	Volusia Co., FL	FWS,1999i Permit#TE811813-4 Atlanta Ga field office
Collection of blood & tissue samples, Kathryn Craven, Texas A&M Univ, College Station, TX	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Immature	Florida & Texas	FWS 2000m Texas A&M Permit #TE025759-0
Collection of blood & tissue samples - Dr. Andrew Kemmerer, Regional Administrator, NMFS, SERO, St. Petersburg, FL	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Immature	Va to FL, Gulf of Mexico, Caribbean	FWS 1999j SEFSC Permit #TE676379-2

Seismic Surveys	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Hatchling	Breton NWR, Louisiana	Informal consult. Debbie Fuller ²¹ Lafayette, LA Field Office
Beach Nourishment - District Engineer, Mobile District, COE, Mobile, AL	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Hatchling	City of Gulf Shores, AL	FWS 2000n Daphne, AL
Dune restoration - Brett Real Estate, Robinson Development Co, Inc	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Hatchling	Orange Beach, AL	FWS 1996c IT Permit PRT-809898 Daphne,AL
Construction - Brett Real Estate, Robinson Development Co, Inc	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Hatchling	Orange Beach, AL	FWS 1996c IT Permit PRT-809898 Daphne, AL
Emergency berm - District Engineer, Mobile District, COE, Mobile, AL	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Hatchling	south shore of Dauphin Island, Mobile Co., AL	FWS 2000o Daphne, AL
Coast of Florida Study - Beach Nourishment - Colonel Terry Rice, COE	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Hatchling	27 projects spanning 93 km in Palm Beach, Broward & Dade Co, FL	FWS 1996b Vero Beach, FL
Coast of Florida Study amendment- 63 rd Street Beach Nourishment-James Duck, COE	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Hatchling	0.5 mile of beach, Miami-Dade Co, FL	FWS 2000d Log# 4-1-00-F-701 Vero Beach, FL
Coast of Florida Study amendment- South Palm Beach Island Nourishment-Bryce McCoy, Project Manager, COE	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Hatchling	1.9 mile of beach, Palm Beach Co, FL	FWS 2000e Log# 4-1-00-F-497 Vero Beach, FL
Coast of Florida Study amendment- Jupiter Inlet deposition of dredge spoil-Bryce McCoy, Project Manager, COE	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Hatchling	beach south of Jupiter Inlet, Palm Beach Co, FL	FWS 2000c Log# 4-1-00-I-233 Vero Beach, FL
Lido Beach Shore Project - renourishment-Colonel Joe Miller, COE	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Hatchling	3,600 ft on Lido Key, Sarasota Co, FL	FWS 2000f Log# 4-1-99-F-252 Vero Beach, FL
Lighthouse Point Beach Groin Construction-Colonel Joe Miller, COE	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Hatchling	Sarasota Co, FL	FWS 2000g Log# 4-1-99-F-99 Vero Beach, FL

Fisher Island deposition of dredge spoil- Colonel Joe Miller, COE	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Hatchling	0.168 km Fisher Island, Miami-Dade Co, FL	FWS 1999f Log# 4-1-98-F-643 Vero Beach, FL
Lee County Shore Project - nourishment - Colonel Joe Miller, COE	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Hatchling	11.7 km in Lee County, FL	FWS 1999g Log# 4-1-99-F-812 Vero Beach, FL
US MMS-Central Gulf of Mexico Lease Sales- Assoc. Director for Offshore Leasing, MMS	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Hatchling	Central Gulf of Mexico nesting beaches	FWS 1997 Log# 4-P-97-075 Panama City, FL
US MMS-Eastern Gulf of Mexico Lease-develop, produce and transport natural gas from the Destin Dome 56 Unit to Alabama near Mobile - Regional Dir. MMS, New Orleans, LA	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Hatchling	Eastern Gulf of Mexico nesting beaches	FWS 2000h Log# 4-P-00-003 Panama City, FL
Beachfront construction-artificial lighting - Deputy Regional Director, FWS Atlanta, GA	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Hatchling	427m of Gulf of Mexico beachfront	FWS 2000i June 8, 2000 Panama City, FL
FEMA Emergency Berm - Mr. Brett Bowen, FEMA, Atlanta, GA	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Hatchling	May 1-19 24, 125 linear ft Okaloosa Co, FL	FWS 2000j Log# 4-P-00-102 Panama City, FL
FEMA Emergency Berm - Mr. Brett Bowen, FEMA, Atlanta, GA	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Hatchling	May 1-15 24,000 linear ft. Cape San Blas/St. Joseph Peninsula, Gulf Co, FL	FWS 2000k Log# 4-P-00-103 Panama City, FL
Deposition of dredged material - Mr. J. Tracy Howell, South Walton Tourist Development Council	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Hatchling	Miramar Beach, Walton Co, FL	FWS 2000l Log# 4-P-00-144 Panama City, FL
Panama City Beach Nourishment - Colonel Joe Miller, COE	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Hatchling	27 km of Panama Beach, Bay Co, FL	FWS 1998g Log# 4-P-97-108 Panama City, FL
Theater Missile Defense systems testing -vehicles and lights on beach - US Air Force	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Hatchling	Eglin Air Force Base at Cape San Blas and Santa Rosa Island, FL	FWS 1999h Panama City, FL

Tyndall Air Force Base - driving on beach - Brigadier General Gary Rubus, US Air Force	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Hatchling	Tyndell AFB beachfront (20.6km) Bay Co, Fl	FWS 1998e Log# 4-P-98-020 Panama City, FL
Lake Powell Outlet excavation - Colonel Joe Miller, COE	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Hatchling	1500 ft beach front, Camp Helen, Bay Co, Fl	FWS 1998f Log# 4-P-97-089 Panama City, FL
Renourishment	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Hatchling	22 miles Brevard Co Fl	Don Palmer ²² Jacksonville Office, FL
Renourishment	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Hatchling	Patrick Air Force Base, FL	Don Palmer ²² Jacksonville Office, FL
ACOE revetment on beach	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Hatchling	Glynn Co., Georgia	FWS 1992 Log#4-4-93-032 Athens, Ga.
ACOE beach nourishment, breakwater, groin	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Hatchling	Glynn Co., Georgia	FWS 1995b Log#4-4-95-071 Athens, Ga.
Wilmington Harbor Project - nourishment- Colonel James DeLony, COE	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Hatchling	Carolina Beach to Holden Beach, NC	FWS 2000b Raleigh, NC
Wilmington Harbor Project - deposition of dredged material	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Hatchling	Bald Head Island & Caswell Beach, NC	FWS 2000b Raleigh, NC
Deposition of dredged material on Nags Head- Colonel James DeLony, COE	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Hatchling	Nags Head and South Nags Head, NC	FWS 1999e Raleigh, NC
Naval training exercises - Rear Admiral J.K. Moran, Commander Navy Region Southeast, Naval Air Station, Jacksonville, Fl, 32212	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Hatchling	eastern end of Vieques Island, PR	FWS 2000p Boqueron Field Office
Construction of buildings-Mr. William V. Mailloux, Culebra Northshore,SE	0	2	0	0	2	0	Adult & Hatchling	Tortola beach, Culebra Island, PR	FWS 2000q Incidental Take Permit# TE026114

Region 2 (SW) - Transport and rehabilitation of injured sea turtles- Mr. Anthony Amos, Univ. Texas at Austin	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Immature	Gulf coast of Texas	FWS 1999b Permit#TE30177-0 Albuquerque, NM
Transport and rehabilitation of injured sea turtles - Donna Shaver-Miller	20	0	50	50	30	0	Adult, Immature	Padre Island Nat'l Seashore, TX	FWS 2000a Permit#TE840727-0 Albuquerque, NM
Flipper tagging females - Donna Shaver-Miller	10	10	10	30	10	0	Adult	Padre Island Nat'l Seashore, TX	FWS 2000a Permit#TE840727-0 Albuquerque, NM
Incubation of eggs and release of surviving hatchlings - Donna Shaver-Miller ²³	1000(10)	400(10)	1000(10)	4000(10)	400(10)	0	Hatchling	Padre Island Nat'l Seashore, TX	FWS 2000a Permit#TE840727-0 Albuquerque, NM
Netting of juveniles - Donna Shaver-Miller	0	0	150	0	5	0	Benthic immature	Mansfield Channel, TX	FWS 2000a Permit#TE840727-0 Albuquerque, NM
Satellite tagging females - Donna Shaver-Miller	0	0	0	6	0	0	Adult	Padre Island Nat'l Seashore, TX	FWS 2000a Permit#TE840727-0 Albuquerque, NM
Attachment of sonic/radio tags, ultrasound and laparoscopic procedures - Dr. Andre Landry	200	0	300	200	20	0	Benthic immature	Gulf coast of Texas	FWS 1999a Permit#TE776123-0 Albuquerque, NM
MMS OCS oil and gas lease sales	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Immature	Gulf of Mexico Western Planning area	FWS 1998a
Seismic survey work - Mr. Phil Martin Legal Services/NRDA Section, Texas General Land Office, Austin, TX ²⁴	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Immature	Coastal public land in Redfish, Aransas, Corpus Christi Bays, Texas	FWS 1998c
Seismic survey work - Mr. Phil Martin, Legal Services/NRDA Section, Texas General Land Office, Austin, TX ²⁴	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Immature	Laguna Madre, Baffin Bay, Gulf of Mexico in Kleberg & Kenedy Co, TX	FWS 1999c
Seismic survey work - Mr. Phil Martin Legal Services/NRDA Section, Texas General Land Office, Austin, TX ²⁴	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Immature	Laguna Madre & Corpus Christi Bay, Nueces & Kleberg Co, TX	FWS 1998d

Seismic survey work - Mr. Richard P. Courtemanche, Jr., Project Scientist Coastal Environments, Inc., Baton Rouge, LA ²⁴	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Immature	Padre Island in Nueces & Kleberg, Co, Texas	FWS 1998b
State Permitted Activities									
N. Carolina - Tagging of Nesting Females: John Townsend, Camp Lejeune; D. Webster, UNC; K. Rittmaster, NC Maritime Museum; S. Bland, Hammocks Beach SP; George Baird, CP&L	No Data	No Data	No Data	No Data	No Data	No Data	Adult	N. Carolina	NCWRC (Ruth Boettcher personal communication ²⁵)
Relocation of Turtle Nests: Pea Island National Wildlife Refuge; NC National Estuarine Research ; ACOE; Cape Lookout National Seashore; Cape Hatteras National Seashore; Mackay Island NWR; Oak Island Sea Turtle Project; Ocean Isle Sea Turtle Program; Caswell Beach Turtle Program; Sunset Beach Sea Turtle Project; Holden Beach Turtle Watch Program; Town of Emerald Isle; Wrightsville Beach Turtle Project; Topsail Sea Turtle Project; Atlantic Beach Sea Turtle Project; Pine Knoll Shores Sea Turtle Project; Carolina/Kure Bch. Sea Turtle Project; Figure Eight Sea Turtle Project; Emerald Isle Turtle Trotters; Network for Endangered Sea Turtles; Campbell University; John Townsend Camp Lejeune; D. Webster, UNC; K. Rittmaster, NC Maritime Museum; Hammocks Beach SP; Fort Fisher Recreation Area; Fort Macon State Park	No Data	No Data	No Data	No Data	No Data	No Data	Hatchling	N. Carolina	NCWRC (Ruth Boettcher, personal communication ²⁵)
Clinical Trials - Craig A. Harms, D.V.M., Ph.D.	No Data	No Data	No Data	No Data	No Data	No Data	Immature	N. Carolina	NCWRC (Ruth Boettcher, personal communication ²⁵)

<p>Treatment of injured sea turtles: Claire F. Hohenwarter, DVM; Mary Burkhart, DVM; Bill Rabon, DVM; Dr. Michael Stoskopf, DVM; Christy Redfearn, DVM; Karen Beasley Sea Turtle Rescue and Rehabilitation Center; Cathy Kreis, DVM; Craig A. Harms, D.V.M., Ph.D.</p>	<p>No Data</p>	<p>No Data</p>	<p>No Data</p>	<p>No Data</p>	<p>No Data</p>	<p>No Data</p>	<p>Adult, Immature</p>	<p>N. Carolina</p>	<p>NCWRC (Ruth Boettcher, personal communication²⁵)</p>
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<p>Transportation/possession of live turtles: Preston P. Pate, Jr., NCDMF; John Townsend Camp Lejeune; Donald Hoss, NMFS; D. Webster, UNC; K. Rittmaster, NC Maritime Museum; Hammocks Beach SP; Fort Macon State Park; Fort Fisher Recreation Area; Discovery Place, Inc.; Claire F. Hohenwarter, DVM; George Baird, CP&L; Ocean Isle Museum of Coastal Carolina; Natural Science Center of Greensboro; Ken Lohmann, UNC; William F. Shaw; Larry Crowder, Duke Marine Lab; Jennifer Keller, Duke Marine Lab; Pea Island National Wildlife Refuge; NC National Estuarine Research; ACOE; Cape Lookout National Seashore; Cape Hatteras National Seashore; Mackay Island NWR; Oak Island Sea Turtle Project; Ocean Isle Sea Turtle Program; Caswell Beach Turtle Program; Sunset Beach Sea Turtle Project; Holden Beach Turtle Watch Program; Town of Emerald Isle; Wrightsville Beach Turtle Project; Topsail Sea Turtle Project; Atlantic Beach Sea Turtle Project; Pine Knoll Shores Sea Turtle Project; Carolina/Kure Bch. Sea Turtle Project; Figure Eight Sea Turtle Project; Emerald Isle Turtle Trotters; Network for Endangered Sea Turtles; Campbell University; Kristy Long; Jockey Ridge State Park; Pricey T. Harrison; Richard Metz; Hatteras Rescue Squad; Brad Colaw; Cape Fear River Watch; Jackie Harris ; Jeannine S. Gurganus; Martha Pat Garber; Kim Horstman; Phil and Jacob Kouwe; Ron Metz; William A. McLellan; John Henderson; Barrier Island Kayaks; David L. Frum; Bill Vancura; Dee and Larry Hardham; Ralph Barile; Ray Midgett; Sidney Maddock; Kenny and Carisa Marshall; Gretchen Kreitler; Marcie Shoemaker; Angela Marshall; Lake Mattamuskeet National Wildlife Refuge</p>	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Immature	N. Carolina	NCWRC (Ruth Boettcher, personal communication ²⁵)
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Handling of Live Hatchlings- Larry Crowder, Duke Marine Lab	120	0	0	0	0	0	Hatchling	N. Carolina	NCWRC (Ruth Boettcher, personal communication ²⁵)
Display of Live Hatchlings: NC Division of Aquariums	15	0	0	0	0	0	Hatchling	N. Carolina	NCWRC (Ruth Boettcher, personal communication ²⁵)
Display of Live Juveniles - NC Division of Aquariums	No Data	No Data	No Data	No Data	No Data	No Data	Immature	N. Carolina	NCWRC (Ruth Boettcher, personal communication ²⁵)
S. Carolina - Tagging of Nesting Females	88(0)	No Data	No Data	No Data	No Data	No Data	Adult	S. Carolina	SCDNR (Sally Murphy, personal communication ²⁶)
Relocation of Turtle Nests	No Data	No Data	No Data	No Data	No Data	No Data	Hatchling	S. Carolina	SCDNR (Sally Murphy, personal communication ²⁶)
Probing Nests	No Data	No Data	No Data	No Data	No Data	No Data	Hatchling	S. Carolina	SCDNR (Sally Murphy, personal communication ²⁶)
Releasing Disoriented Hatchlings	No Data	No Data	No Data	No Data	No Data	No Data	Hatchling	S. Carolina	SCDNR (Sally Murphy, personal communication ²⁶)
Holding of Live Turtles For Rehab	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Immature	S. Carolina	SCDNR (Sally Murphy, personal communication ²⁶)
Public Turtle Watches	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Hatchling	S. Carolina	SCDNR (Sally Murphy, personal communication ²⁶)

Georgia - Tagging of Nesting Females - Kris Carrol, Caretta Research Project; Rebecca Bell, Little Cumberland Island Sea Turtle Project	No Data	No Data	No Data	No Data	No Data	No Data	Adult	Georgia	GDNR (Mark Dodd, personal communication ²⁷)
Relocation of Turtle Nests - Jennifer Bjork, Cumberland Island National Seashore; Carol Ruckdeschel, GADNR volunteer; Rebecca Bell, Little Cumberland Island Sea Turtle Project; Jan Caton Jekyll Island Sea Turtle Project; Donna Stewart, Jekyll Island 4-H Center; Catherine Quinn, St. Simons Island Sea Turtle Project; Tom Henslee, Sea Island Company; Eric Kellon, Little St. Simons Island; Sarah Gaines, GADNR sea turtle intern - Sapelo Island; Debra Keinath, USFWS - Blackbeard Island; Dr. Gale Bishop, St. Catherine Island Sea Turtle Project; Jordan Lundy & Liberty Moore, GADNR - sea turtle interns on Ossabaw Island; Kris Carrol, Caretta Research Project; Danny Carpenter, Tybee Island Public Works	No Data	No Data	No Data	No Data	No Data	No Data	Hatchling	Georgia	GDNR (Mark Dodd, personal communication ²⁷)
Probing Nests - Jennifer Bjork, Cumberland Island National Seashore; Carol Ruckdeschel, GADNR volunteer; Rebecca Bell, Little Cumberland Island Sea Turtle Project; Jan Caton Jekyll Island Sea Turtle Project; Donna Stewart, Jekyll Island 4-H Center; Catherine Quinn, St. Simons Island Sea Turtle Project; Tom Henslee, Sea Island Company; Eric Kellon, Little St. Simons Island; Sarah Gaines, GADNR sea turtle intern - Sapelo Island; Debra Keinath, USFWS - Blackbeard Island; Dr. Gale Bishop, St. Catherine Island Sea Turtle Project; Jordan Lundy & Liberty Moore, GADNR - sea turtle interns on Ossabaw Island; Kris Carrol, Caretta Research Project; Danny Carpenter, Tybee Island Public Works	No Data	No Data	No Data	No Data	No Data	No Data	Hatchling	Georgia	GDNR (Mark Dodd, personal communication ²⁷)

Florida - Tagging of Nesting Females - Kennard Watson, St. Andrew Bay Resource Management Assoc.; John McCarthy, Manasota Key Sea Turtle Project; Dr. Raymond Carthy, Univ. of Fla.; David Addison, The Conservancy of SW Florida; Jerris Foote, Mote Marine Lab;	>80	No Data	No Data	No Data	No Data	No Data	Adult	Florida	FFWCC (Beth Morford, personal communication ²⁸) Permit#TP038 Permit#TP062 Permit#TP094 Permit#TP116 Permit#TP126
Measuring coelomic pressure - Richie Moretti, Hidden Harbor Marine Environmental Project	25	0	25	25	0	0	Adult & immature	Florida	FFWCC (Beth Morford, personal communication ²⁸) Permit#TP103
Developmental ecology of immature turtles - Wayne Witzell, NMFS	4	0	1	44	1	0	Benthic immature	Gullivan Bay, Florida	FFWCC (Beth Morford, personal communication ²⁸) Permit#TP030
Relocation of Turtle Nests - Dr. David Nelson, USACOE	No Data	No Data	No Data	No Data	No Data	No Data	Hatchling	Florida	FFWCC (Beth Morford, personal communication ²⁸) Permit#TP070
Temperature Loggers in Nests - Dennis Kellenberger, Clearwater Marine Aquarium	120	0	0	0	0	0	Hatchling	Florida	FFWCC (Beth Morford, personal communication ²⁸) Permit#TP013
Satellite Tagging- Dr. Lew Ehrhart, Univ. Central Florida; Mark Nicholas, Gulf Islands National Seashore; Jerris Foote, Mote Marine Laboratory	12	6	6	0	0	0	Adult, Immature	Florida	FFWCC (Beth Morford, personal communication ²⁸) Permit#TP025 Permit#TP032 Permit#TP126
Magnetic Navigation By Hatchlings - Dr. Kenneth Lohmann, UNC-Chapel Hill; Dr. Jeanette Wyneken, Florida Atlantic University	328	0	0	0	0	0	Hatchling	Florida	FFWCC (Beth Morford, personal communication ²⁸) Permit#TP065 Permit#TP073
Nutritional/Behavior Studies - Dr. Jeanette Wyneken, Florida Atlantic University	1205	30	35	0	0	0	Hatchling	Florida	FFWCC (Beth Morford, personal communication ²⁸) Permit#TP073

Net Capture of Immature Turtles - Dr. Raymond Carthy, Univ. of Florida	No Data	No Data	No Data	No Data	No Data	No Data	Immature	St. Joseph Bay, Florida	FFWCC (Beth Morford, personal comm ²⁸) Permit#TP094
Turtles in Captivity For Rehab - Richie Moretti, Hidden Harbor Marine Environmental Project	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Immature	Florida	FFWCC (Beth Morford, personal comm ²⁸) Permit#TP103
Fibropapillomatosis Transmission Study - Dr. Lawrence Herbst, Institute for Animal Studies; Dr. Paul Klein, Univ. of Florida	0	0	<10 (lethal)	0	0	0	Immature	Florida	FFWCC (Beth Morford, personal comm ²⁸) Permit#TP106 Permit#TP129
Caging Nests - David Addison, The Conservancy of SW Florida	No Data	No Data	No Data	No Data	No Data	No Data	Hatchling	Florida	FFWCC (Beth Morford, personal comm ²⁸) Permit#TP116
Collection of blood samples from netted sea turtles - Jerris Foote, Mote Marine Laboratory	0	0	0	2	0	0	Adult & Immature	Casey Key Beach, FL	FFWCC (Beth Morford, personal comm ²⁸) Permit#TP126
Relocating nests - Elaine C. Akers, Ivey, Harris & Walls, Inc.; Ana Barragan, Violetta Villanueva-Mayor, Phillipe Mayor, Rafe Boulon _ Sandy Point Leatherback Project; Zandy Hillis-Starr, Brendalee Phillips, Joyce Wakefield, Catherine Clark, Cat Jung, Myrto Argyropolou, VI National Park Service, St. Croix; Rafe Boulon, Thomas Kelly, Sheri Caseau, VI National Park Service, St. John; Amy Mackay, James Rebholtz, Sera Harold, Tom Mizak USFWS	No Data	No Data	No Data	No Data	No Data	No Data	Hatchling	USVI	USFWS, US Virgin Islands (Donna Griffin, personal communication ²⁹)
Tagging Nesting Females - Ana Barragan, Violetta Villanueva-Mayor, Phillipe Mayor, Rafe Boulon _ Sandy Point Leatherback Project; Zandy Hillis-Starr, Brendalee Phillips, Joyce Wakefield, Catherine Clark, Cat Jung, Myrto Argyropolou, VI National Park Service, St. Croix	No Data	No Data	No Data	No Data	No Data	No Data	Adult	St. Croix	USFWS, US Virgin Islands (Donna Griffin, personal communication ²⁹)

Collecting blood samples - Zandy Hillis-Starr, Brendalee Phillips, Joyce Wakefield, Catherine Clark, Cat Jung, Myrto Argyropolou, VI National Park Service, St. Croix	No Data	No Data	No Data	No Data	No Data	No Data	Adult	St. Croix	USFWS, US Virgin Islands (Donna Griffin, personal communication ²⁹)
Caribbean Relocating nests - Hector Horta (DNER); Lesbia Montero (Sea Grant-UPR); Milagros Justiniano (DNER); Jovino Marquez (DNER); Carlos E. Diez (DNER); Ana Ruiz (grad student); Oscar Diez (Navy biologist); Robert van Dam (DNER)	No Data	No Data	No Data	No Data	No Data	No Data	Hatchling	USVI	DRNA-PR (Carlos Diez, personal communication ³⁰)
Tagging nesting females - Hector Horta (DNER); Lesbia Montero (Sea Grant-UPR) Milagros Justiniano (DNER); Jovino Marquez (DNER); Carlos E. Diez (DNER); Robert van Dam (DNER)	No Data	No Data	No Data	No Data	No Data	No Data	Adult	Humacao, Fajardo, Majagues Project, Caja de Muertos, Culebra, Puerto Rico	DRNA-PR (Carlos Diez, personal communication ³⁰)
Moving injured sea turtles - Hector Horta (DNER); Debora Moore (private veterinary); Antonico Mignucci (Metropolitan University); Carlos E. Diez (DNER); Robert van Dam (DNER)	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Immature	2 rehab facilities in PR	DRNA-PR (Carlos Diez, personal communication ³⁰)
Collecting blood samples - Hector Horta (DNER); Debora Moore (private veterinary); Carlos E. Diez (DNER); Robert van Dam (DNER)	No Data	No Data	No Data	No Data	No Data	No Data	Adult	Humacao, Fajardo	DRNA-PR (Carlos Diez, personal communication ³⁰)
Non-Permitted Activities									
Massachusetts Bottom Trawl Gear ³¹	1(0)	No Data	No Data	No Data	No Data	No Data	Immature	Mass state waters	Wellfleet Bay Wildlife Sanctuary (Robert Prescott, personal communication ³²)

Massachusetts Lobster Pot Fishery ³³	No Data	[85] / [116]	No Data	No Data	No Data	No Data	Adult, Immature	Mass offshore waters	Prescott, 1988; Wellfleet Bay Wildlife Sanctuary (Robert Prescott, personal communication ³²)
Massachusetts Pound Net (Weir) Fishery ³⁴	No Data	No Data	No Data	No Data	No Data	No Data	Benthic Immature	Nantucket Sound, MA	Wellfleet Bay Wildlife Sanctuary (Robert Prescott, personal communication ³²)
Massachusetts pound net incidental captures ³⁵	0	1(0)	0	0	0	0	Benthic Immature	Massachusetts	STSSN (Wendy Teas, personal communication ³⁶)
Massachusetts gill net incidental captures ³⁵	1(0)	0	0	0	0	0	Immature	Massachusetts	STSSN (Wendy Teas, personal communication ³⁶)
Massachusetts non-shrimp trawl incidental captures ³⁵	0	0	0	1(0)	0	0	No Data	Massachusetts	STSSN (Wendy Teas, personal communication ³⁶)
Massachusetts fish trap incidental captures ³⁵	1 (0)	0	0	0	0	0	No Data	Massachusetts	STSSN (Wendy Teas, personal communication ³⁶)
Massachusetts Hook-and-line incidental captures ³⁵	1(0)	0	0	0	0	0	Immature	Massachusetts	STSSN (Wendy Teas, personal communication ³⁶)
Massachusetts unknown capture method incidental captures	1(0)	0	0	0	0	0	Immature	Massachusetts	STSSN (Wendy Teas, personal communication ³⁶)
Rhode Island Bottom Trawl Gear	occasionally	0	0	0	0	0	Adult, Immature	Rhode Island state waters	Anonymous 1995

Rhode Island Gillnetting	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Immature	Rhode Island inshore and nearshore	Anonymous 1995
Rhode Island Large Fish Traps	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Immature	off of Newport, RI	Anonymous 1995
Rhode Island Fish trap incidental captures ³⁵	2(0)	10(0)	0	0	0	0	Immature	Rhode Island	STSSN (Wendy Teas, personal communication ³⁶)
Rhode Island Lobster Pots	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Immature	Rhode Island inshore and offshore	Anonymous 1995
Rhode Island pound net incidental captures ³⁵	0	2(0)	0	0	0	0	Immature	Rhode Island	STSSN (Wendy Teas, personal communication ³⁶)
Rhode Island non-shrimp trawl incidental captures ³⁵	0	1(1)	0	0	0	0	Immature	Rhode Island	STSSN (Wendy Teas, personal communication ³⁶)
Connecticut Bottom Trawl Gear	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Immature	Apr - Oct Block Island Sound, CT	Anonymous 1995
Connecticut Gillnetting	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Immature	Long Island Sound and adj marine waters, CT	Anonymous 1995
Connecticut Lobster Pots	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Immature	Long Island Sound and adj marine waters, CT	Anonymous 1995
New York Bottom Trawl Gear ³⁷	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Immature	offshore in state and fed waters, Long Island So, Block Island So, Peconic-Gardiners Bay	Anonymous 1995

New York Pound Net Fishery	144(0)	0	43(0)	52(0)	0	0	Immature	Long Island Sound, NY	Morreale and Standora 1998
New York Gillnet Fishery	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Immature	New York	Anonymous 1995
New York fish trap incidental captures ³⁵	2 (0)	0	1 (0)	0	0	0	Immature	New York	STSSN (Wendy Teas, personal communication ³⁶)
New York non-shrimp trawl incidental captures ³⁵	2(0)	2(2)	0	0	0	0	Immature-CC No Data for DC	New York	STSSN (Wendy Teas, personal communication ³⁶)
New York fishing net incidental captures ³⁵	1(0)	0	0	0	0	0	Immature	New York	STSSN (Wendy Teas, personal communication ³⁶)
New York gill net incidental captures ³⁵	1 (0)	0	1 (0)	0	0	0	Immature	New York	STSSN (Wendy Teas, personal communication ³⁶)
New York Lobster Fishery	Mostly	Mostly	Fewer	Fewer	0	0	Adult, Immature	New York	Long Island Univ. (Sam Sadove, personal communication ³⁸)
New York set net incidental captures ³⁵	0	0	0	1(0)	0	0	Immature	New York	STSSN (Wendy Teas, personal communication ³⁶)
New Jersey Bottom Trawl Gear ³⁹	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Immature	offshore New Jersey	Anonymous 1995
New Jersey Gillnet Fishery	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Immature	NJ State waters and offshore	Anonymous 1995
New Jersey non-shrimp trawl incidental captures ³⁵	2(0)	0	0	0	0	0	Immature	New Jersey	STSSN (Wendy Teas, personal communication ³⁶)

New Jersey Hook-and-line incidental captures ³⁵	1(0)	0	0	0	0	0	Immature	New Jersey	STSSN (Wendy Teas, personal communication ³⁶)
New Jersey pound net incidental captures ³⁵	16(0)	0	0	0	0	0	Immature	New Jersey	STSSN (Wendy Teas, personal communication ³⁶)
New Jersey Unknown capture method incidental captures ³⁵	1(1)	0	0	0	0	0	Adult	New Jersey	STSSN (Wendy Teas, personal communication ³⁶)
Delaware Horseshoe Crab Fishery - benthic trawls	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Benthic Immature	Delaware Bay	Spotila <i>et al.</i> 1998
Delaware non-shrimp trawl incidental captures ³⁵	9(1)	0	0	3(0)	0	0	Immature	Delaware	STSSN (Wendy Teas, personal communication ³⁶)
Delaware Gillnet Fishery ⁴⁰	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Benthic Immature	Delaware Bay	Anonymous 1995
Delaware Fish Trap Fisheries ⁴¹	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Immature	EEZ off Delaware	Anonymous 1995
Hook-and-line Fisheries - Delaware Bay	12	0	0	0	0	0	Benthic Immature	Delaware Bay	Spotila <i>et al.</i> 1998
Delaware Drift net incidental captures ³⁵	2(0)	0	0	0	0	0	Immature	Delaware	STSSN (Wendy Teas, personal communication ³⁶)
Maryland Bottom Trawl Gear	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Pelagic Immature	state water > 1nm	Anonymous 1995
Maryland Gillnet Fishery	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Immature	state offshore waters, Chesapeake Bay, MD	Anonymous 1995
Maryland Poundnet Fishery	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Benthic Immature	Chesapeake Bay, MD	Anonymous 1995

Maryland Poundnet Fishery incidental captures ³⁵	0	0	0	3(0)	0	0	Immature	Maryland	STSSN (Wendy Teas, personal communication ³⁶)
Maryland Hook-and-line Fisheries	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Immature	Md. state waters	Anonymous 1995
Maryland non-shrimp trawl incidental captures ³⁵	1(0)	0	0	0	0	0	Immature	Maryland	STSSN (Wendy Teas, personal communication ³⁶)
Maryland unknown capture method incidental captures ³⁵	2(0)	0	0	0	0	0	No Data	Maryland	STSSN (Wendy Teas, personal communication ³⁶)
Va. Pound Net Fishery incidental captures ³⁵	82(1)	1(0)	0	6(0)	0	0	Immature	Virginia	STSSN (Wendy Teas, personal communication ³⁶)
Va. Hook-and-line incidental captures ³⁵	4(1)	0	0	0	0	0	Immature	Virginia	STSSN (Wendy Teas, personal communication ³⁶)
Va. fishing net incidental captures ³⁵	1(1)	0	0	0	0	0	Immature	Virginia	STSSN (Wendy Teas, personal communication ³⁶)
Va. non-shrimp trawl incidental captures ³⁵	2(0)	0	0	0	0	0	Immature	Virginia	STSSN (Wendy Teas, personal communication ³⁶)
Va. Gill net incidental captures ³⁵	1(1)	0	0	0	0	0	Immature	Virginia	STSSN (Wendy Teas, personal communication ³⁶)
North Carolina Pound Net Fishery ⁴²	2898 - 156(0)	0	531 - 30(3)	221 - 10(0)	0	0	Adult, Benthic Immature	Core & Pamlico Sound, NC	Epperly <i>et al.</i> 2000

North Carolina Hook-and-line Fisheries ^{35 43}	70(0)	1	3	22(0)	0	0	Immature, Adult	North Carolina	NMFS unpublished data (Joanne Braun-McNeill, personal communication ⁴⁴) STSSN (Wendy Teas, personal communication ³⁶)
North Carolina fishing net incidental captures ³⁵	2(1)	1(0)	0	1(0)	0	0	Immature	North Carolina	STSSN (Wendy Teas, personal communication ³⁶)
North Carolina seine net incidental captures ³⁵	2(1)	0	0	0	0	0	Immature	North Carolina	STSSN (Wendy Teas, personal communication ³⁶)
North Carolina gill net incidental captures ³⁵	34(4)	6 (2)	19(4)	10 (0)	1 (0)	0	Immature	North Carolina	NMFS unpublished data (Joanne Braun-McNeill, personal communication ⁴⁴) STSSN (Wendy Teas, personal communication ³⁶)
North Carolina shrimp trawl incidental captures ³⁵	22(2)	0	2(0)	5(0)	0	0	Adult & Immature	North Carolina	STSSN (Wendy Teas, personal communication ³⁶)
North Carolina non-shrimp trawl incidental captures ³⁵	53(6)	0	2(0)	31(1)	1(1)	0	Adult & Immature	North Carolina	STSSN (Wendy Teas, personal communication ³⁶)
North Carolina unknown capture method incidental captures ³⁵	1(0)	0	1	0	0	0	Immature	North Carolina	STSSN (Wendy Teas, personal communication ³⁶)
North Carolina Long Haul Seine Fisheries	13(0)	0	0	1(0)	0	0	Immature	North Carolina inshore waters	NMFS unpublished data (Joanne Braun-McNeill, personal communication ⁴⁴)
North Carolina Beach Seine Fisheries	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Immature	North Carolina inshore and offshore waters	Epperly and Thayer, unpubl. manuscript
North Carolina Stop Net Fishery	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Immature	North Carolina offshore waters	Epperly and Thayer, unpubl. manuscript

North Carolina Purse Net Fishery	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Immature	North Carolina inshore and offshore waters	Epperly and Thayer, unpubl. manuscript
North Carolina Fish Traps Fishery	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Immature	North Carolina offshore waters	Epperly and Thayer, unpubl. manuscript
North Carolina Flynet Fishery	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Immature	North Carolina offshore waters	Epperly and Thayer, unpubl. manuscript
North Carolina Channel Net Fisheries	2(0)	1(0)	1(0)	1(0)	0	0	Immature	North Carolina inshore waters	NMFS unpublished data (Joanne Braun-McNeill, personal communication ⁴⁴)
North Carolina Eel Pots Fishery	No Data	No Data	No Data	No Data	No Data	No Data	Benthic Immature	North Carolina inshore waters	Epperly and Thayer, unpubl. manuscript
North Carolina Shrimp Pots Fishery	No Data	No Data	No Data	No Data	No Data	No Data	Benthic Immature	North Carolina inshore waters	Epperly and Thayer, unpubl. manuscript
North Carolina Crab Pot Fisheries	0	1(0)	0	0	0	0	Immature	North Carolina inshore waters	NMFS unpublished data (Joanne Braun-McNeill, personal communication ⁴⁴)
North Carolina Pelagic Longline Fisheries	0.0046-0.0218/1000 hooks	0.0116-0.1183/1000 hooks	0	0	0	0	Adult & Pelagic Immature	North Carolina offshore waters	Epperly and Thayer, unpubl. manuscript
North Carolina Benthic Longline Fisheries	No Data	No Data	No Data	No Data	No Data	No Data	Benthic Immature	North Carolina inshore waters	Epperly and Thayer, unpubl. manuscript
South Carolina gill net incidental captures ³⁵	4(4)	0	1(1)	0	0	0	Immature	South Carolina	STSSN (Wendy Teas, personal communication ³⁶)
South Carolina whelk trawling fishery ⁴⁵	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Immature	South Carolina	SCDNR (David Cupka, personal communication ⁴⁶)
South Carolina Hook-and-line Fisheries ³⁵	0	0	0	2 (0)	0	0	Immature	South Carolina	STSSN (Wendy Teas, personal communication ³⁶)
South Carolina shrimp trawl incidental captures ³⁵	1(1)	0	0	1(0)	0	0	Immature	South Carolina	STSSN (Wendy Teas, personal communication ³⁶)

Georgia Shrimp bait fishery -otter trawls ⁴⁷	No Data	No Data	No Data	No Data	No Data	No Data	Immature	Georgia	GDNR (Mark Dodd ²⁷ , personal communication)
Georgia whelk fishery ⁴⁸	2	0	2	3	0	0	Immature	Georgia	GDNR (Mark Dodd ²⁷ , personal communication)
Georgia blue crab fishery (entanglements)	No Data	No Data	No Data	No Data	No Data	No Data	Immature, Adult	Georgia	GDNR (Mark Dodd ²⁷ , personal communication)
Georgia shrimp trawl incidental captures ³⁵	3(2)	0	0	2(1)	0	0	Immature	Georgia	STSSN (Wendy Teas, personal communication ³⁶)
Georgia non-shrimp trawl incidental captures ³⁵	0	0	0	1(0)	0	0	No Data	Georgia	STSSN (Wendy Teas, personal communication ³⁶)
Georgia Hook-and-line	No Data	No Data	No Data	No Data	No Data	No Data	Immature	Georgia	GDNR (Mark Dodd ²⁷ , personal communication)
Florida - Hook-and-line ³⁵	7(1)	0	30(0)	4(0)	0	0	Immature	Florida-Atlantic	STSSN (Wendy Teas, personal communication ³⁶)
Florida - Hook-and-line ³⁵	7(1)	0	1(0)	20(0)	0	0	Immature	Florida-Gulf	STSSN (Wendy Teas, personal communication ³⁶)
Florida fish trap incidental captures ³⁵	1(1)	0	0	0	0	0	Adult	Florida-Gulf	STSSN (Wendy Teas, personal communication ³⁶)
Florida try net incidental captures ³⁵	1(0)	0	2(0)	0	0	0	Immature	Florida-Atlantic	STSSN (Wendy Teas, personal communication ³⁶)
Florida shrimp trawl incidental captures ³⁵	4(1)	0	0	0	0	0	Adult & Immature	Florida-Atlantic	STSSN (Wendy Teas, personal communication ³⁶)

Florida shrimp trawl incidental captures ³⁵	0	0	0	7(1)	0	0	Immature	Florida-Gulf	STSSN (Wendy Teas, personal communication ³⁶)
Florida non-shrimp trawl incidental captures ³⁵	5(0)	0	0	0	0	0	Adult & Immature	Florida-Gulf	STSSN (Wendy Teas, personal communication ³⁶)
Florida fishing net incidental captures ³⁵	2(0)	0	0	0	0	0	Immature	Florida	STSSN (Wendy Teas, personal communication ³⁶)
Florida gill net incidental captures ³⁵	1(1)	0	1(1)	0	0	0	Immature	Florida-Atlantic	STSSN (Wendy Teas, personal communication ³⁶)
Florida gill net incidental captures ³⁵	1(0)	0	2(1)	1(0)	0	0	Immature	Florida-Gulf	STSSN (Wendy Teas, personal communication ³⁶)
Florida long line incidental captures ³⁵	2(2)	0	0	0	0	0	Adult & Immature	Florida-Gulf	STSSN (Wendy Teas, personal communication ³⁶)
Florida cast net incidental captures ³⁵	0	0	1(0)	0	0	0	Immature	Florida-Atlantic	STSSN (Wendy Teas, personal communication ³⁶)
Florida set net incidental captures ³⁵	1(0)	0	12(0)	0	0	0	Immature	Florida-Atlantic	STSSN (Wendy Teas, personal communication ³⁶)
Florida unknown capture method incidental captures ³⁵	0	0	1(0)	0	2(0)	0	Immature	Florida-Atlantic	STSSN (Wendy Teas, personal communication ³⁶)
Alabama shrimp trawl incidental captures ³⁵	0	0	1 (0)	1 (0)	0	0	Adult & Immature	Alabama	STSSN (Wendy Teas, personal communication ³⁶)
Mississippi Hook-and-line incidental captures ³⁵	0	0	0	7(0)	0	0	Immature	Mississippi	STSSN (Wendy Teas, personal communication ³⁶)
Mississippi shrimp trawl incidental captures ³⁵	3(0)	0	0	13(1)	1(0)	0	Immature	Mississippi	STSSN (Wendy Teas, personal communication ³⁶)

Mississippi non-shrimp trawl incidental captures ³⁵	1(0)	0	0	0	0	0	Adult	Mississippi	STSSN (Wendy Teas, personal communication ³⁶)
Mississippi gill net incidental captures ³⁵	0	1 (0)	0	0	0	0	Immature	Mississippi	STSSN (Wendy Teas, personal communication ³⁶)
Mississippi unknown capture method incidental captures ³⁵	0	0	0	1(0)	0	0	Immature	Mississippi	STSSN (Wendy Teas, personal communication ³⁶)
Louisiana shrimp trawl incidental captures ³⁵	2(0)	0	1(0)	12(5)	0	0	Immature	Louisiana	STSSN (Wendy Teas, personal communication ³⁶)
Louisiana gill net incidental captures ³⁵	0	0	0	2(0)	0	0	Immature	Louisiana	STSSN (Wendy Teas, personal communication ³⁶)
Louisiana fishing net incidental captures ³⁵	0	0	0	1(0)	0	0	Immature	Louisiana	STSSN (Wendy Teas, personal communication ³⁶)
Louisiana set net incidental captures ³⁵	0	0	0	1(0)	0	0	Immature	Louisiana	STSSN (Wendy Teas, personal communication ³⁶)
Louisiana non-shrimp trawl incidental captures ³⁵	1(1)	0	0	0	0	0	No Data	Louisiana	STSSN (Wendy Teas, personal communication ³⁶)
Louisiana Hook-and-line incidental captures ³⁵	0	0	0	1(0)	0	0	Immature	Louisiana	STSSN (Wendy Teas, personal communication ³⁶)
Louisiana seine net incidental captures ³⁵	2(0)	0	0	1(0)	0	0	Adult & Immature	Louisiana	STSSN (Wendy Teas, personal communication ³⁶)
Louisiana unknown capture method incidental captures ³⁵	0	0	1(0)	0	0	0	No Data	Louisiana	STSSN (Wendy Teas, personal communication ³⁶)
Texas Hook-and-line Fisheries ⁴⁹	0	0	0	288 (91)	0	0	Benthic Immature	Texas	Canon and Flannagan 1996, Cannon <i>et al.</i> 1994

Texas Hook-and-line incidental captures ³⁵	3 (0)	0	9(1)	99 (0)	4 (0)	0	Immature	Texas	STSSN (Wendy Teas, personal communication ³⁶)
Texas fishing net incidental captures ³⁵	0	0	0	2(1)	0	0	Immature	Texas	STSSN (Wendy Teas, personal communication ³⁶)
Texas gill net incidental captures ³⁵	0	0	7(4)	4(3)	0	0	Immature	Texas	STSSN (Wendy Teas, personal communication ³⁶)
Texas cast net incidental captures ³⁵	0	0	3(0)	0	0	0	Immature	Texas	STSSN (Wendy Teas, personal communication ³⁶)
Texas seine net incidental captures ³⁵	0	0	3(0)	0	0	0	Immature	Texas	STSSN (Wendy Teas, personal communication ³⁶)
Texas set net incidental captures ³⁵	0	0	0	0	1(1)	0	Immature	Texas	STSSN (Wendy Teas, personal communication ³⁶)
Texas trot line incidental captures ³⁵	0	0	1(0)	0	0	0	Immature	Texas	STSSN (Wendy Teas, personal communication ³⁶)
Texas shrimp trawl incidental captures ³⁵	5(2)	0	2(0)	20(3)	1(0)	0	Immature	Texas	STSSN (Wendy Teas, personal communication ³⁶)
Texas non-shrimp trawl incidental captures ³⁵	2(0)	0	0	1(0)	0	0	Immature	Texas	STSSN (Wendy Teas, personal communication ³⁶)
Texas try net incidental captures ³⁵	0	0	0	1(0)	0	0	No Data	Texas	STSSN (Wendy Teas, personal communication ³⁶)
Texas unknown capture method incidental captures ³⁵	0	0	1(0)	2(0)	0	0	Immature	Texas	STSSN (Wendy Teas, personal communication ³⁶)
Boat strikes - USVI ⁵⁰	[0]	[0] / [42]	[38] / [42]	[0]	[4] / [42]	0	Adult & Immature	USVI	Boulon 2000
Poaching - USVI ⁵¹	[0]	[4] / [16]	[4] / [16]	[0]	[8] / [16]	0	Adult & Immature	USVI	Boulon 2000

Entanglement in fishing gear - USVI ⁵²	[0]	[1] / [13]	[9] / [13]	[0]	[3] / [13]	0	Adult & Immature	USVI	Boulon 2000
USVI fish trap incidental captures ³⁵	0	0	2(1)	0	0	0	Immature	USVI	STSSN (Wendy Teas, personal communication ³⁶)
Boat strikes - Puerto Rico	No Data	No Data	No Data	No Data	No Data	No Data	Adult & Immature	Puerto Rico	Maria Calixta Ortiz Rivera 2000
Poaching - Puerto Rico	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Immature, eggs	USVI, Puerto Rico	Boulon, 2000 Maria Calixta Ortiz Rivera 2000
Entanglement in fishing gear - Puerto Rico	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Immature	USVI, Puerto Rico	Boulon, 2000 Maria Calixta Ortiz Rivera 2000
Puerto Rico Fishing net incidental captures ³⁵	0	0	2(0)	0	0	0	Immature	Puerto Rico	STSSN (Wendy Teas, personal communication ³⁶)
Puerto Rico Hook-and-line incidental captures ³⁵	0	0	0	0	2 (0)	0	Immature	Puerto Rico	STSSN (Wendy Teas, personal communication ³⁶)
Beach and coastal lighting - Caribbean	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Hatchling	USVI, Puerto Rico	DRNA-PR (Carlos Diez, personal communication ³⁰); Virgin Islands National Park (Rafe Boulon, personal communication ⁵³)
Marine Debris in the Caribbean ⁵⁴	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Hatchling	USVI	Rafe Boulon, 2000
Foreign Activities									
Canada Longline	No Data	No Data	No Data	No Data	No Data	No Data	Pelagic Immature	NW Atlantic	James 2000
Canada Gillnet	No Data	No Data	No Data	No Data	No Data	No Data	Pelagic	NW Atlantic (coastal)	Goff & Lien 1988, Goff <i>et al.</i> 1994, Anonymous 1996
Uruguay Longline	No Data	No Data	No Data	No Data	No Data	No Data	Pelagic Immature	SW Atlantic	Achaval <i>et al.</i> 2000

Mexico Longline ⁵⁵	43	2	0	1	4	0	Pelagic Immature	Gulf of Mexico	Ramirez & Ania 2000
Spain Longline ⁵⁶	1098	2	0	0	0	0	Pelagic Immature	Western Med	Aguilar <i>et al.</i> 1995
Spain Longline ⁵⁷	443-8389 1,953-19,987	0	0	0	0	0	Pelagic Immature	Western Med	Caminas 1997
Spain Gillnet	24(1) 236	2	0	0	0	0	No Data	Western Med	Silvani <i>et al.</i> 1999
Italy Longline ⁵⁸	650	0	0	0	0	0	Pelagic Immature	Central Med	Argano <i>et al.</i> 1992
Italy Gillnet ⁵⁹	397	0	0	0	0	0	Pelagic Immature	Central Med	Argano <i>et al.</i> 1992
Italy Longline ⁶⁰	275	“few”	0	0	0	0	Pelagic Immature	Central Med	DeMetrio & Megalfonou 1988
Italy Gillnet ⁶¹	16,000	0	0	0	0	0	Pelagic	Central Med	DeMetrio & Megalfonou 1988
Italy Longline ⁶²	1817	6	0	0	0	0	Pelagic Immature	Central Med	DeMetrio <i>et al.</i> 1983
Malta Longline ⁶³	1500-2500 (500-600)	0	0	0	0	0	Pelagic Immature	Central Med	Gramentz 1989
Greece Longline ⁶⁴	116	0	0	0	0	0	Pelagic Immature	Eastern Med	Panou <i>et al.</i> 1991, Panou <i>et al.</i> 1992
French Guyana Gill net ⁶⁵	No Data	0	0	0	0	0	Pelagic Immature	French Guyana (coastal)	Chevalier <i>et al.</i> 1999
Portugal Bottom set line ⁶⁶	500	0	0	0	0	0	Pelagic Immature	Madeira	Dellinger and Encarnacao 2000
West Africa poaching	‘large numbers taken’	0	0	0	0	0	Adult	Cape Verde nesting beaches	Cabrera <i>et al</i> 2000
West Africa nets, hook(gaff) and hand	No Data	No Data	No Data	No Data	No Data	No Data	Adult and Immature	Sao Tome coastal waters	Graff 1995, Castroviejo <i>et al</i> , 1994

Nicaragua gill net, spear	No Data	No Data	No Data	No Data	No Data	No Data	Adult and Immature	Nicaraguan coastal waters	Lagueux 1998, Lagueux <i>et al.</i> 1998, Lima <i>et al.</i> 1999
Venezuela unknown gear	0	0	“often captured”	0	0	0	Adult and Immature	La Blanquilla Island, Venezuela	Fallabrino <i>et al.</i> 2000
Venezuela shrimp trawl ⁶⁷	15	6	16	0	11	0	Adult and Immature	NE coastal Venezuela	Marcano and Alio-M 2000
Cuba - unknown gear ⁶⁸	No Data	No Data	No Data	No Data	No Data	No Data	Adult	Coastal Cuba	Gavilan 2000, Alvarez 2000
Trinidad/Tobago gillnet ⁶⁹	[43]	[0]	[0]	[0]	[0]	[0]	Adult	Coastal Trinidad & Tobago	Newsday 2000, (Scott Eckert, personal communication ⁷⁰); Eckert and Lien 1999
Ghana ⁷¹	No Data	No Data	No Data	No Data	No Data	No Data	Adult	Ghana beaches	BBC News 2000
Belize nets (trawl & gill net), harpoon, hook, and spear ⁷²	No Data	No Data	No Data	No Data	No Data	No Data	Adult and Immature	Coastal Belize	Smith <i>et al.</i> , 1992
Suriname net (trawl, drift and set) and hand captures ⁷³	No Data	No Data	No Data	No Data	No Data	No Data	Adult and Immature	Coastal waters and beaches of Suriname	Reichart and Fretey 1993
Antigua/Barbuda longline trammel nets, seines and gill nets ⁷⁴	No Data	No Data	No Data	No Data	No Data	No Data	Adult and Immature	Coastal waters	Fuller <i>et al.</i> 1992
St. Lucia net and hand captures ⁷⁵	No Data	No Data	No Data	No Data	No Data	No Data	Adult	Coastal waters and beaches	d’Auvergne and Eckert 1993
St. Kitts and Nevis turtle nets, gill nets, beach seines and hand captures ⁷⁶	No Data	No Data	No Data	No Data	No Data	No Data	Adult and immature	Coastal waters and beaches	Eckert and Honebrink 1992
St. Vincent and the Grenadines turtle nets, spear gun and hand (longline) captures ⁷⁷	No Data	No Data	No Data	No Data	No Data	No Data	Adult and immature	Coastal waters and beaches	Scott and Horrocks 1993
Netherland Antilles net (purse seine), longline and spear gun captures ⁷⁸	No Data	No Data	No Data	No Data	No Data	No Data	Adult and immature	Coastal waters	Sybesma 1992
Aruba seine and longline captures ⁷⁹	No Data	No Data	No Data	No Data	No Data	No Data	Immature	Coastal waters	Barnes <i>et al.</i> 1993

Barbados net, spear and hand captures ⁸⁰	No Data	No Data	No Data	No Data	1440; 400	No Data	Adult and immature	Coastal waters and beaches	Horrocks 1992
British Virgin Islands net and hand (longline) captures ⁸¹	No Data	No Data	No Data	No Data	No Data	No Data	Adult and immature	Coastal waters	Eckert <i>et al.</i> 1992, Cambers and Lima 1990, Tobias 1991

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Table 2. Summary of observed, **estimated**, *incidental*, (lethal), and [strandings] take levels, sea turtle life stage, and geographic region for generalized activities impacting sea turtles in the U.S. Atlantic, Caribbean and Gulf of Mexico. Reader should refer to Table 1 for details and references.

Generalized Activities	Annual Observed, Estimated , <i>Incidental</i> (Lethal) and [Strandings] Take Levels						Life Stage	Geographic Region
	Loggerhead	Leatherback	Green	Kemp's	Hawksbill	Olive Ridley		
Military	287(69)	277(59)	278(60)	277(59)	277(59)	0	Adult, Immature	Atlantic
	91(91)	17(17)	16(16)	16(16)	4(4)	0	Adult, Immature	Atlantic, Gulf of Mexico
Channel Maintenance (Dredging and Blasting: ACOE)	65(65)	3(3)	15(15)	14(14)	3(3)	0	Adult, Immature	Atlantic
	38(38)	5(5)	13(13)	19(19)	7(7)	0	Adult, Immature	Gulf of Mexico
Oil Activities - Lease Sales, Seismic Surveys, Rig Removal: MMS, ACOE⁸²	12(12)	7(7)	7(7)	7(7)	7(7)	0	Adult, Immature	Gulf of Mexico
Nuclear Power Plants	145-unlim. (17)	105-unlim. (2)	112-unlim. (10)	113-unlim. (6)	105-unlim. (2)	0	Adult, Immature	Atlantic
Fisheries								
Gillnets	142(86), 52(12), 7- 50(1-17), 51.0(7.4) , [14]	8(8), 6(2) 5-27(2-12)	78(42), 34(12), 0-4(0-3), 93.1(43.5) [9]	196(100), 10(0), 1- 5(1-3), 34.5(28.3) [24]	4(4), 1(0)	0	Adult, Immature	Atlantic
	1(0)	1(0)	9(5)	7(3)	0	0	Adult, Immature	Gulf of Mexico
	421(1) 16,236	2(0)	0	0	0	0	Adult, Immature	Mediterranean
	[43]	[0]	[0]	[0]	[0]	[0]	Adult	Caribbean

Longline	468(7) 931(1) 0.0046- 0.0218/1, 000 hooks	358(6) 918(0) 0.0116- 0.1183/1, 000 hooks	46(2)	23(1)	46(2)	0	Adult, Immature	Atlantic, Gulf of Mexico
	12(12)	2(2)	2(2)	2(2)	2(2)	0	Adult, Immature	Atlantic, Caribbean, Gulf of Mexico
	8-119(0)	2-45(0)	0-2(0)	0	0	0	Adult, Immature	Atlantic
	45(2)	2	0	1	4	0	Adult, Immature	Gulf of Mexico
	3956(0) 3453- 22,487 (500-600)	11	0	0	0	0	Immature	Mediterranean
Trawling	3450(3450)	650(650)	3450(3450)	3450(3450)	3450(3450)	0	Adult, Immature	Atlantic, Gulf of Mexico
	32(30) 102(13) 3- 16(1-4)	2(1)	2(1)	2(1)	2(1)	0	Adult, Immature	Atlantic
	19(3)	0	4(0)	47(9)	2(0)	0	Adult, Immature	Gulf of Mexico
	15	6	16	0	11	0	Adult, Immature	Caribbean
Pound Net	398(1) 2898	4(0)	73(3) 531	71(0) 221	0	0	Adult, Immature	Atlantic
Hook-and-Line ⁸²	95(2)	1(0)	33(0)	28(0)	0	0	Adult, Immature	Atlantic
	10(1)	0	10(1)	415(91)	4(0)	0	Immature	Gulf of Mexico
	0	0	0	0	2(0)	0	Immature	Caribbean

Scallop Dredge	0-1(0)	0	0	0	0	0	Adult, Immature	Atlantic
Pot/Trap	10(10) 5(0)	4(4) 11(0) [201]	0 1(0)	0	0	0	Adult, Immature	Atlantic
	1(1)	0	0	0	0	0	Adult	Gulf of Mexico
	0	0	2(1)	0	0	0	Immature	Caribbean
Bottom Set Line	500	0	0	0	0	0	Immature	Atlantic
Set Net	1(0)	0	12(0)	1(0)	0	0	Immature	Atlantic
	0	0	0	1(0)	1(1)	0	Immature	Gulf of Mexico
Cast Net	0	0	1(0)	0	0	0	Immature	Atlantic
	0	0	3(0)	0	0	0	Immature	Gulf of Mexico
Trot Line	0	0	1(0)	0	0	0	Immature	Gulf of Mexico
Seine Net	15(1)	0	0	1(0)	0	0	Adult, Immature	Atlantic
	2(0)	0	3(0)	1(0)	0	0	Adult, Immature	Gulf of Mexico
Stop Net	No Data	No Data	No Data	No Data	No Data	0	Adult, Immature	Atlantic
Purse Seine	No Data	No Data	No Data	No Data	No Data	0	Adult, Immature	Atlantic
Fly Net	No Data	No Data	No Data	No Data	No Data	0	Adult, Immature	Atlantic
Channel Net	2(0)	1(0)	1(0)	1(0)	0	0	Immature	Atlantic
Try Net	1(0)	0	2(0)	0	0	0	Immature	Atlantic
	0	0	0	1(0)	0	0	Unknown	Gulf of Mexico

Unknown/Miscellaneous Gear	11(3)	1(0)	2(0)	1(0)	2(0)	0	Adult, Immature	Atlantic
	0	0	2(0)	6(1)	0	0	Immature	Gulf of Mexico
	0	0	2(0)	0	0	0	Immature	Caribbean Error ! Bookmark not defined.
Fisheries Utilizing Multiple Gears								
Bluefish (Gillnets, pound nets, trawls, troll lines)	6(3)	0	0	6(6)	0	0	Adult, Immature	Atlantic
Herring (gill net, purse seine, trawl)	6(3)	1(1)	1(1)	1(1)	0	0	Adult, Immature	Atlantic
Mackerel, Squid, Butterfish (dredge, gill net, longline, pot/trap, purse seine, trawl)	6(3)	1(1)	2(2)	2(2)	0	0	Adult, Immature	Atlantic
Monkfish (dredge, gill net, longline, pot/trap, trawls)	6(3)	1(1)	1(1)	1(1)	0	0	Adult, Immature	Atlantic
Dogfish (gill net, trawl)	6(3)	1(1)	1(1)	1(1)	0	0	Adult, Immature	Atlantic
Summer Flounder, Scup and Black Sea Bass (hook-and-line, longline, trawl)	15(5)	3(3)	3(3)	3(3)	3(3)	3(3)	Adult, Immature	Atlantic
Weakfish (gill net, hook-and-line, trawl)	20(20)	0	0	2(2)	0	0	Adult, Immature	Atlantic
Research	1028, 198(0)	21, 4(0)	1102, 84(0)	176, 68(1)	28, 5(0)	0	Adult, Immature	Atlantic
	1740, 574(0)	30 0	35 0	0	0	0	Hatchlings	Atlantic
	425, 5(0)	10, 0	710, 2(0)	496, 47(0)	60, 0	0	Adult, Immature	Gulf of Mexico
	1000 (10)	400 (10)	1000(10)	4000(10)	4000(10)	0	Hatchling	Gulf of Mexico

	50, 6(0)	13, 4(0)	315, 81(0)	5, 0	325, 37(0)	0	Adult, Immature	Caribbean
Beach Activities - beach nourishment, beach lighting, beach construction, groins, beach driving, etc.	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Hatchling	Atlantic, Gulf of Mexico
Rehabilitation	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Immature	Atlantic, Gulf of Mexico
	20	0	50	50	30	0	Adult, Immature	Gulf of Mexico
	15	0	0	0	0	0	Hatchling	Atlantic
Entanglements	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Immature	Atlantic
	[0]	[1]/[13]	[9]/[13]	[0]	[3]/[13]	0	Adult, Immature	Caribbean
	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Immature, Hatchling	Caribbean
Boat Strikes ⁸²	[0]	[0]/[42]	[38]/[42]	[0]	[4]/[42]	0	Adult, Immature	Caribbean
Poaching	[0]	[4]/[16]	[4]/[16]	[0]	[8]/[16]	0	Adult, Immature	Caribbean
	No Data	No Data	No Data	No Data	No Data	No Data	Adult, Immature, Egg	Caribbean
Ingestion	No Data	No Data	No Data	No Data	No Data	No Data	Adult	Caribbean
Foreign Countries Utilizing Multiple Gears								
West Africa (nets, hook, hand	No Data	No Data	No Data	No Data	No Data	No Data		
Nicaragua (gill net, spear)	No Data	No Data	No Data	No Data	No Data	No Data		
Belize (gill net, harpoon, hook, spear)	No Data	No Data	No Data	No Data	No Data	No Data		

Suriname (drift net, hand, trawl, set net,)	No Data	No Data	No Data	No Data	No Data	No Data		
Antigua/Barguda (gill net, longline trammel net, seines)	No Data	No Data	No Data	No Data	No Data	No Data		
St. Lucia (hand, net)	No Data	No Data	No Data	No Data	No Data	No Data		
St. Kitts and Nevis (gill net, hand, seines, turtle nets)	No Data	No Data	No Data	No Data	No Data	No Data		
St. Vincent and the Grenadines (longline, spear gun, turtle nets)	No Data	No Data	No Data	No Data	No Data	No Data		
Netherland Antilles (longline, purse seine, spear gun)	No Data	No Data	No Data	No Data	No Data	No Data		
Aruba (longline, seine)	No Data	No Data	No Data	No Data	No Data	No Data		
Barbados (hand, net, spear)	No Data	No Data	No Data	No Data	No Data	No Data		
British Virgin Isles (longline, net)	No Data	No Data	No Data	No Data	No Data	No Data		

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¹ Number in parenthesis represents lethal take and is a subset of the total incidental take; numbers less than whole are rounded up.

² The incidental take level may represent any combination of species and thus is tallied under each column (note: in most cases, it is expected that takes of turtle species other than loggerheads will be minimal).

³ Includes Navy Operations along the Atlantic Coasts and Gulf of Mexico, Mine warfare center, Eglin AFB, Moody AFB

⁴ Total incidental take level includes acoustic harassment.

⁵ Up to 8 turtles total, of which, no more than 5 may be leatherbacks, greens, Kemp's or hawksbill, in combination

⁶ Total incidental take is 3 turtles of any combination over a 30-year period

⁷ Not to exceed 25 turtles, in total.

⁸ Represents range of observed takes (range of observed lethal takes) for 1995-1999 data.

⁹ Merrick, R. 2000. National Marine Fisheries Service, Northeast Fisheries Science Center, NE Observer Program data. Personal Communication to J Braun-McNeill. (Fax) November 28, 2000.

¹⁰ Tork, M. 2000. National Marine Fisheries Service, Northeast Fisheries Science Center, NE Observer data. Personal Communication to J. Braun-McNeill. (Fax) November 29 & December 8, 2000.

¹¹ Incidental take level for post-hatchlings for total period June 21, 1999 through January 2001

¹² Represents estimated incidental take levels, however the Incidental take statement cites observed take (5 loggerheads, 2 leatherbacks, or 3 Kemp's ridleys or greens or hawksbills in any combination) as a representative of the incidental take. The incidental take represents any combination of species other than the leatherback.

¹³ Represents incidental (observed lethal) take

¹⁴ Represents **estimated** (observed lethal) take for 1999 data only

¹⁵ Represents incidental (incidental lethal) take

¹⁶ Incidental take levels for non-lethal were not identified because entrainment is a function of turtle abundance & environmental conditions; lethal take is also expressed as 1.5% of the total number entrained in the plant, whichever is greater. Represents a minimum number of turtles taken annually because the majority of the take is observed take and is not an estimate of true numbers that are taken; the 'unlimited' lethal take for St.Lucie Power Plant is not incorporated in the Total. The numbers for each species are not additive because the total incidental take, in many cases, represents a combination of species.

¹⁷ NERO is in the process of reinitiating Oyster Creek

¹⁸ No report of take available to date; new research for FY00

¹⁹ Numbers represent Incidental Live Take - Estimated Lethal Take - Strandings

²⁰ FWS allows for 7% of nests needing relocation to be missed based on Schroeder, 1994.

²¹ Fuller, D. 2000. Fish and Wildlife Service, Lafayette Field Office, Lafayette, LA. Personal Communication to J Braun-McNeill. (Phone) December 12, 2000.

²² Palmer, D. 2000. Fish and Wildlife Service, Jacksonville Field Office, Jacksonville, FL. Personal Communication to J Braun-McNeill. (Phone) December 8, 2000.

²³ Max number of eggs to be removed (number of eggs allowed broken) each year

²⁴ FWS recommends activities be undertaken and completed between mid-Sept and March 31 to avoid impacting nesting sea turtles.

²⁵ Boettcher, R. 2000. North Carolina Wildlife Resources Commission, Gloucester, NC. Personal Communication to J. Braun-McNeill. (Email) November 28, 2000.

²⁶ Murphy, S. 2000. South Carolina Department of Natural Resources, Charleston, SC. Personal Communication to J. Braun-McNeill. (Phone) November 27, 2000.

²⁷ Dodd, M. 2000. Georgia Department of Natural Resources, Brunswick, GA. Personal Communication to J. Braun-McNeill. (Fax) December 8, 2000.

²⁸ Morford, B. 2000. Florida Fish and Wildlife Conservation Commission, Tequesta, Florida. Personal Communication to J. Braun-McNeill (Email) November 28, 2000.

²⁹ Griffin, D. 2000. US Fish and Wildlife Service, US Virgin Islands. Personal Communication to J. Braun-McNeill (phone) January 29, 2001.

³⁰ Diez, C. 2000. Programa de Especies Protegidas DRNA-PR San Juan, Puerto Rico. Personal Communication to J. Braun-McNeill (phone) December 7, 2000.

³¹ 1999 was first year a loggerhead was reported captured by inshore dragger; state waters closed to trawling May-Oct

³² Prescott R. 2000. Massachusetts Audubon Society's Wellfleet Bay Wildlife Sanctuary South Wellfleet, MA Personal Communication to J. Braun-McNeill (Email) December 1, 2000

³³ Numbers represent # leatherbacks stranded due to entanglement/total # leatherbacks stranded for period 1977-1996

³⁴ 200 lb leatherback captured in a weir several years ago; one dead loggerhead that washes ashore in Nantucket Sound each year assumed weir caught; 3 or 4 families that operate 12 weirs.

³⁵ Incidental capture data for 1980-1999; numbers represent live(dead) captures

³⁶ Teas, W.G. 2000. STSSN strandings data. Personal Communication to J.Braun-McNeill (Email of strandings data). December 12, 2000.

³⁷ Data from 1991 survey of 213 commercial fishermen; NYDMR conducted trawl/field surveys April-Nov since 1985 especially in Peconic Gardiner's Bay - no records of turtle takes or sightings

³⁸ Sadove, S. 2000. Long Island University, Southampton College, Southampton, New York (Phone) December 6, 2000

³⁹ Trawling is prohibited within 2 miles of the coastline, but summer sea turtle distribution co-occurs with this fishery.

⁴⁰ Majority of fishing activity occurs inside Delaware Bay

⁴¹ No incidental take in this fishery are known; traps may not exceed 125 cubic feet and must have escape panel

⁴² Numbers represent estimated take - observed (lethal) take. 1997 data

⁴³ Numbers represent observed take - fate of hooked turtles not known. From 1988-2000 data

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- ⁴⁴ Braun-McNeill, J. 2000. National Marine Fisheries Service, SEFSC, Beaufort, NC, unpublished data. December 21, 2000
- ⁴⁵ Season opens in late winter and early spring when offshore bottom waters are > 55; one criterion for closure is water temperature: whelk trawling will close for the season and not reopen throughout the State 6 days after water temperatures first hit 64 deg F in the Fort Johnson boat slip - after 6 days have lapsed, the water temperature will be 68 deg F, the temperature at which turtles move into State waters.
- ⁴⁶ Cupka, D. 2000. South Carolina Department of Natural Resources, Marine Resources Division, Office of Fisheries Management, Charleston, SC personal communication to J. Braun-McNeill (email of the Management Plan for South Carolina's Offshore Whelk Trawling Fishery - updated January 1999) December 18, 2000.
- ⁴⁷ 15 min tow times, but still take turtles
- ⁴⁸ Data from 28 observed tows in 1996 (18 tows) and 1997 (10 tows); CPUE=0.3097 turtles/100ft net hour; Fishery occurs mid-Dec to 4/1 within state waters; 10 vessels fish/day; TEDS required in state waters beginning 12/00; experimenting with a 'topless' net
- ⁴⁹ Numbers represent observed take (lethal + rehabilitated). 1980-1995 data
- ⁵⁰ Numbers represent #strandings due to boat strikes/total strandings
- ⁵¹ Numbers represent #strandings due to poaching/total strandings
- ⁵² Numbers represent #strandings due to entanglements/total strandings
- ⁵³ Boulon R. 2000. Resource Management, V.I. National Park, US Virgin Islands (Email to Joanne Braun-McNeill) December 7, 2000
- ⁵⁴ One green turtle reported tangled in a lounge chair; turtles (unknown species) reported falling into construction pit which resulted in changes in permitting requirements for coastal construction
- ⁵⁵ Numbers represent observed take; Data from 1994-95
- ⁵⁶ Numbers represent observed take; estimated 23,520 and 15,6000 loggerhead turtles captured in 1991 and 1992, respectively.
- ⁵⁷ Data from 1986-1995.
- ⁵⁸ Data from 1981-1990; loggerheads may be caught up to 8 times.
- ⁵⁹ Data from 1981-1990; mortality 73.6%
- ⁶⁰ Data from 1978-1986
- ⁶¹ Data from 1978-1986; numbers represent estimated captured/year; 30% mortality
- ⁶² Data from 1978-1981; vessels targeting tuna caught more and smaller turtles than vessels targeting swordfish
- ⁶³ Data from 1988; numbers reported are estimates caught (estimated killed)
- ⁶⁴ Data from 1989-1991; estimated 70-100 turtles captured annually; multiple recaptures noted
- ⁶⁵ Suspected cause for decline in leatherbacks
- ⁶⁶ 500 estimated captured annually
- ⁶⁷ Numbers are observed taken in 13,600 trawls; mortality estimated at 19%; 1370 turtles est. captured/year with 260 dead
- ⁶⁸ Green, loggerhead and hawksbill turtles are commercially harvested; landing trends ranged from 1,300 tons in 1975 to about 150 tons.
- ⁶⁹ Number of leatherbacks that washed ashore; estimated 500-1,000 adult female leatherbacks are killed in gill nets annually; many of the turtles do not drown but are butchered to get them out of the nets.
- ⁷⁰ Eckert, S. 2000. Hubbs-Sea World Research Institute, 2595 Ingraham Street, San Diego, California. Personal Communication (telephone) to Sheryan Epperly (NOAA/NMFS/SEFSC, Miami, Florida). October 3, 2000
- ⁷¹ Estimated "two-thirds of turtles that swim up onto the coast of Ghana are caught and slaughtered by local fishermen".
- ⁷² 500-800 turtles sold annually (60% green, 30% loggerhead and 10% hawksbill); hawksbills and greens mostly captured in shrimp trawls; longline fishing for sharks "reportedly catching leatherbacks".
- ⁷³ Incidental catch of green and leatherback turtles in shrimp trawls starts in Feb., peaks in March and May, ends July-Aug; net mortality is higher than trawl mortality.
- ⁷⁴ "Entanglement in pot line and longline perceived to be increasingly serious problem"; longline fishery estimated to catch "100 or more turtles each year, mostly loggerheads and leatherbacks"; hawksbill and green turtles captured intentionally for tortoise shell and meat.
- ⁷⁵ Small numbers of nesting leatherback, green and hawksbill turtles taken; green and hawksbill turtles incidentally taken on other (seine/gill nets?) fisheries.
- ⁷⁶ Turtle nets catch green and hawksbill turtles for meat and tortoise shell; a few nesting leatherbacks caught on the beach; expanding longline fishery, but no bycatch data.
- ⁷⁷ "at least 120 turtles landed each year", mostly green, hawksbill, and a few leatherbacks; some leatherbacks are also caught by longlines.
- ⁷⁸ An estimated 250 turtles taken annually for meat and tortoise shell; purse seine and longline vessels in area, but no bycatch data
- ⁷⁹ Small hawksbill turtles sometimes taken for tortoiseshell; foreign longline vessels in area, but no bycatch data.
- ⁸⁰ 1440 hawksbills harvested between 1970-1986; 400 harvested in 1990.
- ⁸¹ Local longliners at Anegada have caught some leatherbacks
- ⁸² There was additional information of sea turtle interaction for which no quantitative data were available