

**1989 Annual Report of the Sea Turtle Stranding and Salvage  
Network: Atlantic and Gulf Coasts of the United States**

**January - December 1989**

**Wendy G. Teas**

**and**

**Anthony Martinez**

**National Oceanic and Atmospheric Administration  
National Marine Fisheries Service  
Southeast Fisheries Science Center  
Miami Laboratory  
75 Virginia Beach Drive  
Miami, FL 33149**

**Miami Laboratory  
Contribution Number MIA-91/92-39**

**March 1992**

The Sea Turtle Stranding and Salvage Network (STSSN) was formally established in 1980 to collect information on and document strandings of marine turtles along the U.S. Gulf of Mexico and Atlantic coasts. The network encompasses the coastal areas of the eighteen state region from Maine through Texas, and includes portions of the U.S. Caribbean. Data are compiled through the efforts of network participants who document marine turtle strandings in their respective areas and contribute those data to the centralized STSSN data base.

This report summarizes marine turtle strandings documented through the efforts of the STSSN during calendar year 1989. These numbers are considered minimum stranding figures, as they are reported strandings only, not all stranding events. Effort expended in the collection of stranding data during 1989 varied both geographically and temporally. Coverage ranged from systematic weekly (or more frequent) sampling to no sampling at all in some areas.

A total of 2216 stranded marine turtles were reported during 1989. Of these, 2192 were "wild" strandings and the remaining 24 were known headstarted turtles. Headstarted turtles are hatched and raised in captivity for approximately one year before being tagged and released. Strandings of headstarted turtles are documented in Table 32, but are not included in any of the figures presented in the text or in the histograms. Strandings of headstarted turtles are excluded because they may represent a bias if their stranding was an artifact of captive rearing and release. Reports of incidentally captured turtles and live sighting reports received through the network were archived, but are not included in this report as these records were not considered to be true strandings. True strandings are defined as turtles which wash ashore dead or alive or are found floating dead or alive (generally in a weakened condition).

Seventeen states reported strandings during the twelve month period. They are: Texas, Louisiana, Mississippi, Alabama, Florida, Georgia, South Carolina, North Carolina, Virginia, Maryland, Delaware, New Jersey, New York, Connecticut, Rhode Island, Massachusetts and Maine. No stranding reports were received from New Hampshire. For the U.S. Caribbean, records were received from Puerto Rico and the U.S. Virgin Islands.

#### **ANNUAL COMPARISON**

Figure 1 depicts annual stranding totals for all species combined over the entire network area. Direct annual comparisons are complicated by the variation in effort between and/or within years. Network-wide, data collection efforts have been most consistent since 1984. The 1989 stranding total of 2192 is a 10.0% increase over the 1988 stranding total. The 1989 total is the second highest annual total, surpassed only by 1987, and accounts for 13.2% of all reported strandings over the ten year period 1980-1989.

## STATE AND REGIONAL DISTRIBUTION

Reported strandings during 1989 are summarized by state in Table 1 and Figure 2. Florida reported the highest number of strandings during 1989, accounting for 54% of the total (17% Florida-Gulf, 37% Florida-Atlantic). Texas accounted for 12% of the total reported strandings, followed by Georgia and North Carolina accounting for 8% and 7%, respectively.

Regionally, 33.3% of total strandings were reported from the Gulf of Mexico (TX, LA, MS, AL, FL-Gulf), 56.2% from the southeast U.S. Atlantic (FL-Atlantic, GA, SC, NC), 10.0% from the northeast U.S. Atlantic (VA, MD, DE, NJ, NY, CT, RI, MA, NH, ME), and 0.5% from the U.S. Caribbean (PR, USVI). Stranding records are summarized on a detailed state by state basis in Tables 4-23. These tables summarize strandings by species and month (all counties combined) and by county and month (all species combined).

Network-wide, 78% of all reports were classified as offshore strandings and 22% were classified as inshore strandings. Offshore strandings are defined as strandings occurring on the ocean beaches, while inshore strandings are those occurring landward of the ocean coastline, primarily in bays and sounds. The regional distribution of inshore versus offshore strandings for 1989 (excluding the Caribbean) is as follows:

	<u>GULF</u>	<u>SOUTHEAST U.S.</u>	<u>NORTHEAST U.S.</u>
INSHORE	117 (24.2%)	168 (13.6%)	133 (60.7%)
OFFSHORE	553 (75.8%)	1065 (86.4%)	86 (39.3%)

## SPECIES COMPOSITION

Throughout the network, loggerheads (Caretta caretta) were the most frequently stranded species making up 65.3% (1432) of the total. Green turtles (Chelonia mydas) were the second most frequently reported species at 15.0% (328); Kemp's ridley (Lepidochelys kempi) strandings comprised 8.4% (184) of the total; leatherbacks (Dermochelys coriacea) accounted for 4.7% (104) of all reports; and hawksbills (Eretmochelys imbricata) were reported least frequently making up 1.6% (35) of the total. Turtles not identified to species accounted for 5.0% (109) of all reports. Figures 3-5 depict total strandings by species for the Gulf of Mexico, southeast U.S. Atlantic, and northeast U.S. Atlantic, respectively.

Within each region (excepting the Caribbean), loggerheads were the most frequently stranded species accounting for 56% (408), 72% (886), and 63% (138) of the region totals for the Gulf, southeast U.S. Atlantic, and northeast U.S. Atlantic, respectively. In the Gulf of Mexico, green turtles were the second most frequently stranded species comprising 18% (128) of the total, followed by

Kemp's ridleys comprising 13% (98). In the southeast U.S. Atlantic, green turtles were the second most frequently stranded species accounting for 16% (191) of all reports, while leatherbacks and Kemp's ridleys each accounted for 4%, (52) and (43) respectively. In the northeast U.S. Atlantic, Kemp's ridley strandings accounted for 20% (43) of the region total, with leatherbacks comprising 12% (26). A single hawksbill stranded in Massachusetts in November. This is the first hawksbill stranding ever reported to the STSSN from the northeast U.S.

As compared to 1988, strandings of green turtles increased 65% for all regions combined. This increase occurred primarily in the Gulf of Mexico and southeast U.S. Atlantic with green turtle strandings in these two regions increasing from 45 to 128 and 147 to 191, respectively. Approximately 60 of the strandings from the Gulf of Mexico were the direct result of a cold-stunning event which happened in southern Texas in February. Green turtle strandings in the northeast U.S. and U.S. Caribbean were consistent with 1988 levels.

Strandings of leatherbacks and hawksbills in 1989 increased 31% and 29%, respectively, over 1988 totals for all regions combined. The increase in leatherback strandings occurred in the Gulf of Mexico and southeast U.S. Atlantic with increases from 10 to 25 and 30 to 52, respectively. Leatherback strandings in the northeast U.S. Atlantic decreased from 38 to 26 during this same time period. The increase in hawksbill strandings occurred in the Gulf of Mexico with strandings increasing from 15 in 1988 to 25 in 1989. Strandings of hawksbills in all other regions remained consistent with 1988 totals.

Strandings of Kemp's ridleys decreased 16% for all regions combined. This overall decrease occurred only in the southeast U.S. Atlantic with strandings going from 123 in 1988 to 43 in 1989. Strandings of Kemp's ridleys increased in the Gulf of Mexico and northeast U.S. Atlantic from 78 to 98 and 19 to 43, respectively.

Strandings of loggerheads in 1989 remained consistent with 1988 levels for all regions combined. Loggerhead strandings increased from 309 to 408 in the Gulf of Mexico and decreased from 158 to 138 in the northeast U.S. Atlantic. Strandings of loggerheads in the southeast U.S. remained virtually unchanged.

#### DISTRIBUTION BY STATISTICAL ZONE

Strandings were summarized by statistical zones to examine the geographic distribution within regions. The statistical zones utilized were originally designed by the Bureau of Commercial Fisheries (now NMFS) for shrimp catch and effort data collection and have subsequently been used to define areas where turtle excluder devices (TEDs) are required. The actual coastal areas encompassed by each of the zones are not equal. Tables 24-26 summarize 1989 strandings by month and zone for the Gulf of Mexico, southeast U.S. Atlantic and northeast U.S. Atlantic, respectively.

There are 23 zones in the U.S. Gulf of Mexico (Figure 6). Zones 1 through 21 are numbered consecutively along the Gulf coast from the Florida Keys to the Mexico border. Zones 24 and 25 are partial zones, shared with the southeast U.S. Atlantic region, and include the area west of longitude 80° 30'. Total strandings by zone for the Gulf of Mexico are depicted in Figure 6. Strandings in the eastern Gulf of Mexico (zones 1-12, 24, 25) accounted for 63% (462) of the total, while strandings in the western Gulf (zones 13-21) accounted for the other 37% (268). In the eastern Gulf, over half of the strandings occurred in zones 4 and 5, with 125 and 116 being reported, respectively. This represents a 105% increase over the 1988 total for strandings in these two zones. Fifty-seven percent (57%) (56) of all Gulf Kemp's ridley strandings were reported from the western Gulf, with the majority of these turtles stranding in zones 18, 19, and 20 along the Texas coast.

Thirteen statistical zones are defined by degree of latitude for the southeast U.S. Atlantic. Zones are numbered from south to north, based on the line of latitude which forms the southern boundary of the zone (Figure 7). Zones 24 and 25 are partial zones which include the area east of longitude 80° 30'. Zone 36 is also a partial zone, ending at the North Carolina/Virginia border. Figure 7 depicts total southeast U.S. strandings by statistical zone. The highest stranding total was reported from zone 30 off the northeast Florida coast and southern tip of Georgia with 18% (218) of all southeast U.S. strandings occurring in this zone. Zone 30 has had the highest number of strandings in the network since 1984, however, the total for 1989 represents a 23% decrease in strandings from the 1988 total. Zones 29 and 27 off the Florida coast accounted for the second and third highest stranding frequencies, comprising 16% and 15% of the region total, respectively. Zones 29, 30 and 31 accounted for 72% of all southeast U.S. Kemp's ridley strandings. Kemp's ridley strandings in these zones decreased from 101 in 1988 to 31 in 1989. Strandings of Kemp's ridleys in all other zones remained relatively consistent with 1988 levels.

Nine statistical zones are defined for the northeast U.S. Atlantic beginning with the Virginia portion of Zone 36 and continuing north through Zone 44, ending at the Canadian border (Figure 8). The northeast U.S. portion of zone 36 and zone 37 accounted for 55% of the total northeast U.S. strandings and primarily represent turtles stranding in Chesapeake Bay and along the Virginia barrier beaches. Strandings in zones 40 and 41 accounted for 32% of the total northeast U.S. strandings. Approximately half of these strandings were the result of cold-stunning as water temperatures dropped in late fall and early winter. Seventy-nine percent (79%) of all northeast U.S. Kemp's ridley strandings were reported from zones 41 and 42, the majority resulting from cold-stunning.

#### SYSTEMATIC SAMPLING

Sampling in selected statistical zones was completed systematically to develop an index of mortality that can be compared spatially and

temporally. For 1989, sampling was conducted either aerially or on the ground within zones 4 and 5 by the Florida Department of Natural Resources. Sampling within zones 17 through 21 was coordinated by the NMFS Southeast Fisheries Center, Galveston Laboratory. Dr. Lew Ehrhart, University of Central Florida, continued to sample via aerial survey in zones 28 through 30. The Georgia Department of Natural Resources conducted ground surveys in zone 31. In South Carolina, the Department of Wildlife and Marine Resources continued to sample, as in the past, on a systematic basis within zone 32.

Given the systematic sampling regime within these zones and that the stranding data reported still represents minimum numbers, these data, when standardized for effort, should provide an index of total mortality. The peak in total strandings in the western Gulf of Mexico (zones 17-21) occurred in February and was a direct result of many green turtles being affected by cold-stunning in zones 20 and 21. A secondary peak in zones 17-21 occurred during April/May (Table 28). In the eastern Gulf of Mexico (zones 4 and 5) strandings peaked during March/April with almost half of the strandings in these zones occurring in these two months (Table 27). August was the peak stranding month for zones 28-30, accounting for 21% of all strandings in these zones (Table 29). In zone 31 almost half the total strandings for the year occurred in August/September (Table 30). In South Carolina (zone 32) the peak in total strandings occurred during the summer months with 77% of total strandings reported during June, July and August (Table 31).

#### TEMPORAL DISTRIBUTION OF STRANDINGS

Table 2 summarizes 1989 strandings by state and month for all species combined. Table 3 summarizes strandings by species and month for all states combined. Figures 9-11 depict monthly stranding frequencies for 1988 and 1989 for the Gulf of Mexico, southeast U.S. Atlantic and northeast U.S. Atlantic, respectively.

The monthly frequency distribution for Gulf of Mexico strandings is presented in Figure 9. Strandings occurred in all months with a peak during April. Strandings in the Gulf of Mexico increased over 1988 levels in all months except July and November.

In the southeast U.S. Atlantic (Figure 10), strandings peaked during the summer months of May - August. Strandings were relatively consistent with the previous year with the exception of January which had twice as many strandings and December which had less than half the number of strandings reported in 1988.

In the northeast U.S. Atlantic (Figure 11), June was the peak stranding month. Overall stranding frequencies followed the same general trend by month in 1989 as they did in 1988 with the exception of November and December which were higher due to an increased number of cold-stunned turtles.

## CONDITION OF STRANDED TURTLES

Of 2192 stranded turtles, 91.8% were dead, 7.0% were alive, and the conditions of the remaining 1.2% were not recorded. Of the 154 live turtles, 27% were released, 47% subsequently died, and the fates of the remaining 40 turtles (26%) are unknown. A total of 126 turtles (5.7%) were reported as necropsied. The conditions of the 2013 turtles stranded dead were reported as follows:

Fresh Dead	484 (24.0%)
Moderately Decomposed	792 (39.3%)
Severely Decomposed	585 (29.1%)
Dried Carcass	59 (2.9%)
Skeleton, Bones Only	93 (4.6%)

## CARCASS ANOMALIES

Observations (not necessarily causes of death) recorded on stranding reports are coded as a permanent part of each stranding record. Selected carcass anomalies are summarized below; 1988 values are given for comparison. These figures are considered minimum percent occurrences, as a report form lacking remarks does not always indicate a "clean" turtle. Used herein, "entangled" implies washed ashore (i.e. a true stranding) with the entangling materials still attached to the turtle.

	<u>1988</u>	<u>1989</u>
Boat Related Injuries (Prop or Collision)	8.6%	8.2%
Carapace Damage (Unknown Cause)	10.3%	9.6%
Plastron Damage (Unknown Cause)	0.9%	1.0%
Skull Injuries	2.4%	2.8%
Skull Missing	3.2%	3.4%
Skull & Flipper(s) Combination Missing	7.4%	7.2%
Flipper(s) Missing (Unknown Cause)	7.7%	6.3%
Flipper(s) Missing (Man Induced)	0.9%	0.3%
Partial Flipper Damage (Unknown Cause)	9.5%	7.8%
Bullet Wounds	0.5%	0.7%
Apparent Shark Wounds	1.0%	1.9%
External Tumors	1.3%	1.9%
Apparent Deliberate Mutilation	3.0%	2.8%
Tar or Oil Impact	0.2%	0.2%
Cold Stun Related	0.3%	5.3%
Entangled in Fishing Line	0.6%	1.1%
Entangled in Fishing Net	0.3%	0.2%
Entangled in Non-Fishing Gear Materials	0.2%	0.3%
Rope(s) Tied to Flippers, Neck or Body	0.7%	0.4%
Fishing Line Protruding From Mouth or Cloaca	0.4%	0.3%
Fishing Hook in Mouth	0.3%	0.3%
Plastic Ingestion (Non-Fishing Gear)	4.9%*	3.2%*
Fishing Hook in Digestive Tract	0.7%*	0.0%*
Fishing Line in Digestive Tract	0.7%*	0.0%*

\*Rates of occurrence of anomalies observable only upon necropsy are expressed as a percentage of turtles necropsied (N=126).

## **ACKNOWLEDGEMENTS**

We would like to thank the many network participants who documented strandings of marine turtles during 1989. Special thanks go to the state coordinators (listed on the following pages) for verifying reports and making sure they are received at the centralized database in a timely manner. It is through the dedicated efforts of these people that the network functions effectively.

**SEA TURTLE STRANDING AND SALVAGE NETWORK (STSSN)**

**U.S. Atlantic and Gulf of Mexico**

**(March 1992)**

**Network Coordinator:**

Wendy Teas  
National Marine Fisheries Service  
Miami Laboratory  
75 Virginia Beach Drive  
Miami, FL 33149  
(305) 361-4544

**Cooperating Coordinators:**

Chuck Oravetz  
National Marine Fisheries  
Service  
Southeast Regional Office  
9450 Koger Boulevard  
St. Petersburg, FL 33702  
(813) 893-3366

Jack Woody  
U.S. Fish and Wildlife Service  
P.O. Box 1306  
Albuquerque, NM 87103  
(505) 766-8062

Doug Beach/Colleen Coogan  
National Marine Fisheries  
Service  
Northeast Regional Office  
#2 State Fish Pier  
Gloucester, MA 01930  
(617) 281-3600

Edward Klima/Charles Caillouet  
National Marine Fisheries  
Service  
Galveston Laboratory  
4700 Avenue U  
Galveston, TX 77550  
(409) 766-3500

Earl Possardt  
U.S. Fish and Wildlife Service  
3100 University Blvd. South  
Jacksonville, FL 32216  
(904) 791-2580

State Coordinators:

Texas

Donna Shaver  
Padre Island National Seashore  
9405 South Padre Island Drive  
Corpus Christi, TX 78418  
(512) 949-8173

Mississippi

Gary Hopkins  
Gulf Islands National Seashore  
3500 Park Road  
Ocean Springs, MS 39564  
(601) 875-9057

Florida

Barbara Schroeder  
Florida DNR  
Bureau of Marine Research  
19100 SE Federal Hwy.  
Tequesta, FL 33469  
(407) 575-5408

South Carolina

Sally Murphy  
South Carolina Wildlife and  
Marine Resources Department  
Box 12559  
Charleston, SC 29412  
(803) 795-6350

Virginia/Maryland

Jack Musick, Ph.D.  
College of William & Mary  
Virginia Inst. of Marine  
Science  
Gloucester Point, VA 23062  
(804) 642-7317

Louisiana

Steve Rabalais  
Louisiana Univ. Mar. Consortium  
Marine Res. & Education Center  
Chauvin, LA 70344  
(504) 851-2800

Alabama

Robert Shipp, Ph.D.  
University of South Alabama  
Department of Biology  
Mobile, AL 36688  
(205) 460-6351

Georgia

Charles Maley  
Georgia DNR  
Marine Resources Division  
1200 Glynn Avenue  
Brunswick, GA 31523  
(912) 264-7218

North Carolina

Tom Henson  
North Carolina Wildlife  
Resources Commission  
Route 1, Box 724B  
Chocowinity, NC 27817  
(919) 946-1969

Delaware

Janis Thomas  
Delaware DNR  
Division of Fish and Wildlife  
P.O. Box 1401  
Dover, DE 19903  
(302) 736-4782

**State Coordinators:** (Continued)

**New Jersey**

Robert Schoelkopf  
Marine Mammal Stranding Center  
P.O. Box 773  
Brigantine, NJ 08203  
(609) 266-0538  
(609) 348-5018

**New York**

Sam Sadove  
Okeanos Foundation  
P.O. Box 776  
Hampton Bays, NY 11946  
(516) 728-4522  
(516) 728-4523

**Connecticut**

Robert Nawojchik  
Mystic Marinelife Aquarium  
55 Coogan Blvd.  
Mystic, CT 06355  
(203) 536-9631

**Rhode Island**

C. Robert Shoop, Ph.D.  
University of Rhode Island  
Department of Zoology  
Kingston, RI 02882  
(401) 792-2372

**Massachusetts (Boston South)**

Robert Prescott  
Massachusetts Audubon Society  
Wellfleet Bay Wildlife  
Sanctuary  
P.O. Box 236  
South Wellfleet, MA 02663  
(508) 349-2615

**Puerto Rico**

Kathy Hall  
Puerto Rico DNR  
P.O. Box 560  
San Antonio, PR 00690  
(809) 872-6513

**Massachusetts (Boston North), New Hampshire, Maine**

Greg Early  
New England Aquarium  
Central Wharf  
Boston, MA 02110  
(617) 973-5247  
(617) 973-5200

**U.S. Virgin Islands**

Ralf Boulon  
Department of Conservation and Cultural Affairs  
Division of Fish and Wildlife  
101 Estate Nazareth  
St. Thomas, USVI 00802  
(809) 775-6762

Table 1. Marine turtle strandings reported from 1 January - 31 December 1989 by state and species of occurrence. All months are combined. Only states which reported strandings are included.

<u>State</u>	<u>Species*</u>						
	<u>CC</u>	<u>CM</u>	<u>DC</u>	<u>EI</u>	<u>LK</u>	<u>UN</u>	<u>TOTAL</u>
Texas	111	66	5	22	48	3	255
Louisiana	17	0	2	0	12	24	55
Mississippi	5	0	5	0	6	0	16
Alabama	7	0	10	0	3	8	28
Florida (Gulf)	268	62	3	3	29	11	376
Florida (Atlantic)	550	173	27	6	15	41	812
Georgia	136	2	5	0	21	5	169
South Carolina	76	2	12	0	4	2	96
North Carolina	124	14	9	0	2	7	156
Virginia	111	2	3	0	5	1	122
Maryland	1	0	0	0	0	0	1
Delaware	0	0	0	0	0	7	7
New Jersey	15	0	3	0	1	0	19
New York	5	0	11	0	12	0	28
Connecticut	1	0	0	0	0	0	1
Rhode Island	1	0	7	0	0	0	8
Massachusetts	4	1	0	1	26	0	32
Maine	0	0	1	0	0	0	1
Puerto Rico	0	1	1	1	0	0	3
U.S. Virgin Islands	0	5	0	2	0	0	7
<b>TOTAL</b>	<b>1432</b>	<b>328</b>	<b>104</b>	<b>35</b>	<b>184</b>	<b>109</b>	<b>2192</b>

\*CC = C.caretta, CM = C.mydas, DC = D.coriacea, EI = E.imbricata,  
LK = L.kempi, UN = Unidentified

Table 2. Marine turtle strandings reported from 1 January - 31 December 1989 by state and month of occurrence. All species are combined.

STATE	MONTH												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Texas	8	51	16	43	35	8	11	26	15	20	12	10	255
Louisiana	0	0	0	1	8	21	9	13	3	0	0	0	55
Mississippi	0	0	0	2	4	6	1	3	0	0	0	0	16
Alabama	0	0	0	1	4	15	6	2	0	0	0	0	28
Florida (Gulf)	26	38	66	83	40	27	20	19	8	13	9	27	376
FL Florida (Atl)	74	32	39	59	94	47	101	140	59	85	53	29	812
Georgia	1	1	0	5	9	15	22	43	41	18	13	1	169
South Carolina	1	0	0	1	12	31	19	15	11	2	4	0	96
North Carolina	5	2	3	4	33	30	18	17	7	4	24	9	156
Virginia	0	0	0	0	26	40	16	9	13	8	3	7	122
Maryland	0	0	0	0	0	0	0	0	0	1	0	0	1
Delaware	0	0	0	0	0	0	0	0	0	7	0	0	7
New Jersey	0	0	0	0	0	3	2	6	6	2	0	0	19
New York	0	0	0	0	3	1	1	7	3	2	5	6	28

(continued)

Table 2. Continued.

<u>STATE</u>	<u>MONTH</u>											<u>TOTAL</u>	
	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	
Connecticut	0	0	0	0	0	0	0	0	1	0	0	0	1
Rhode Island	0	0	0	1	0	1	0	4	1	0	1	0	8
Massachusetts	0	0	0	1	1	0	0	0	0	1	18	11	32
Maine	0	0	0	0	0	0	0	0	0	1	0	0	1
Puerto Rico	0	0	0	0	3	0	0	0	0	0	0	0	3
Virgin Islands	0	1	2	0	0	0	0	0	0	0	2	0	7
<b>TOTAL</b>	<b>115</b>	<b>125</b>	<b>126</b>	<b>203</b>	<b>272</b>	<b>245</b>	<b>226</b>	<b>304</b>	<b>168</b>	<b>164</b>	<b>144</b>	<b>100</b>	<b>2192</b>

Table 3. Marine turtle strandings reported from 1 January - 31 December 1989 by species and month of occurrence. All states are combined.

SPECIES	MONTH												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
<u>C. caretta</u>	60	58	85	145	197	170	164	221	129	107	68	28	1432
<u>C. mydas</u>	36	52	20	18	26	18	29	24	11	21	28	45	328
<u>D. coriacea</u>	1	3	5	14	24	17	2	17	8	1	10	2	104
<u>E. imbricata</u>	1	1	3	2	1	1	1	14	5	0	2	4	35
<u>L. kempii</u>	13	8	7	21	14	16	14	11	11	20	30	19	184
Unidentified	4	3	6	3	10	23	16	17	4	15	6	2	109
TOTAL	115	125	126	203	272	245	226	304	168	164	144	100	2192

Table 4 (a). Marine turtle strandings reported from TEXAS, 1 January - 31 December 1989 by species and month of occurrence.

<u>SPECIES</u>	<u>MONTH</u>												<u>TOTAL</u>
	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	
<u>C. caretta</u>	5	4	10	26	23	3	8	5	9	10	6	2	111
<u>C. mydas</u>	3	45	1	2	3	1	3	1	0	0	1	5	66
<u>D. coriacea</u>	0	0	0	2	2	0	0	1	0	0	0	0	5
<u>E. imbricata</u>	0	0	0	0	0	1	0	13	5	0	1	2	22
<u>L. kempfi</u>	0	2	5	13	7	2	2	4	0	10	3	0	48
<u>Unidentified</u>	0	0	0	0	0	1	0	0	0	0	1	1	3
<b>TOTAL</b>	<b>8</b>	<b>51</b>	<b>16</b>	<b>43</b>	<b>35</b>	<b>8</b>	<b>11</b>	<b>26</b>	<b>15</b>	<b>20</b>	<b>12</b>	<b>10</b>	<b>255</b>

Table 4 (b). Marine turtle strandings reported from TEXAS, 1 January - 31 December 1989 by county and month of occurrence. All species are combined. Only counties from which strandings were reported are included.

<u>COUNTY</u>	<u>MONTH</u>												<u>TOTAL</u>
	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	
Jefferson	1	0	1	3	2	0	0	0	0	0	3	0	10
Galveston	1	1	0	1	10	0	1	4	5	9	4	0	36
Brazoria	0	0	1	2	4	0	0	2	0	0	0	0	9
Matagorda	2	1	2	1	2	1	0	1	0	5	3	0	18
Calhoun	1	0	0	1	0	0	2	2	0	1	0	0	8
Aransas	0	1	1	0	1	2	2	1	0	0	0	0	8
San Patricio	0	0	0	0	0	0	1	0	0	0	0	0	1
Nueces	0	2	6	11	5	1	4	8	6	0	1	2	46
Kleberg	0	0	0	8	2	1	0	7	2	0	2	2	24
Kenedy	0	8	2	8	3	1	0	0	2	0	0	0	10
Willacy	1	6	0	0	3	0	1	1	0	1	0	1	27
Cameron	2	32	3	8	3	1	1	1	0	0	0	0	58
<b>TOTAL</b>	<b>8</b>	<b>51</b>	<b>16</b>	<b>43</b>	<b>35</b>	<b>8</b>	<b>11</b>	<b>26</b>	<b>15</b>	<b>20</b>	<b>12</b>	<b>10</b>	<b>255</b>

Table 5(a). Marine turtle strandings reported from LOUISIANA, 1 January - 31 December 1989 by species and month of occurrence.

<u>SPECIES</u>	<u>MONTH</u>												<u>TOTAL</u>
	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	
<u>C. caretta</u>	0	0	0	0	3	5	4	5	0	0	0	0	17
<u>C. mydas</u>	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>D. coriacea</u>	0	0	0	0	0	0	2	0	0	0	0	0	2
<u>E. imbricata</u>	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>L. kempi</u>	0	0	0	1	2	3	2	2	2	0	0	0	12
Unidentified	0	0	0	0	3	11	3	6	1	0	0	0	24
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>8</b>	<b>21</b>	<b>9</b>	<b>13</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>55</b>

Table 5(b). Marine turtle strandings reported from LOUISIANA, 1 January - 31 December 1989 by parish and month of occurrence. All species are combined. Only parishes from which strandings were reported are included.

<u>PARISH</u>	<u>MONTH</u>												<u>TOTAL</u>
	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	
St. Bernard	0	0	0	0	3	20	6	8	0	0	0	0	37
Plaquemines	0	0	0	0	4	0	2	0	0	0	0	0	6
Jefferson	0	0	0	0	0	1	1	0	0	0	0	0	2
St. Mary	0	0	0	0	0	0	0	0	1	0	0	0	1
Cameron	0	0	0	1	1	0	0	5	2	0	0	0	9
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>8</b>	<b>21</b>	<b>9</b>	<b>13</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>55</b>

Table 6(a).

Marine turtle strandings reported from MISSISSIPPI, 1 January - 31 December 1989 by species and month of occurrence.

<u>SPECIES</u>	<u>MONTH</u>												<u>TOTAL</u>
	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	
<i>C. caretta</i>	0	0	0	1	2	1	0	1	0	0	0	0	5
<i>C. mydas</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>D. coriacea</i>	0	0	0	0	1	3	0	1	0	0	0	0	0
<i>E. imbricata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>L. kempi</i>	0	0	0	1	1	2	1	1	0	0	0	0	5
Unidentified	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>4</b>	<b>6</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16</b>

Table 6(b).

Marine turtle strandings reported from MISSISSIPPI, 1 January - 31 December 1989 by county and month of occurrence. All species are combined. Only counties from which strandings were reported are included.

COUNTY

<u>COUNTY</u>	<u>MONTH</u>												<u>TOTAL</u>
	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	
Jackson	0	0	0	1	0	4	1	2	0	0	0	0	8
Harrison	0	0	0	1	4	1	0	1	0	0	0	0	7
Hancock	0	0	0	0	0	1	0	0	0	0	0	0	1
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>4</b>	<b>6</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16</b>

Table 7(a). Marine turtle strandings reported from ALABAMA, 1 January - 31 December 1989 by species and month of occurrence.

SPECIES	MONTH											TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
<i>C. caretta</i>	0	0	0	0	1	5	1	0	0	0	0	7
<i>C. mydas</i>	0	0	0	0	0	0	0	0	0	0	0	0
<i>D. coriacea</i>	0	0	0	1	3	4	1	1	0	0	0	10
<i>E. imbricata</i>	0	0	0	0	0	0	0	0	0	0	0	0
<i>L. Kempí</i>	0	0	0	0	0	2	0	1	0	0	0	3
Unidentified	0	0	0	0	0	4	4	0	0	0	0	8
TOTAL	0	0	0	1	4	15	6	2	0	0	0	28

<sup>1</sup> 8

Table 7(b). Marine turtle strandings reported from ALABAMA, 1 January - 31 December 1989 by county and month of occurrence. All species are combined. Only counties from which strandings were reported are included.

COUNTY	MONTH											TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
Baldwin	0	0	0	0	0	9	4	1	0	0	0	14
Mobile	0	0	0	1	4	6	2	1	0	0	0	14
TOTAL	0	0	0	1	4	15	6	2	0	0	0	28

Table 8(a). Marine turtle strandings reported from FLORIDA (GULF), 1 January - 31 December 1989 by species and month of occurrence.

SPECIES	MONTH												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
<i>C. caretta</i>	11	29	54	73	35	21	12	12	4	8	5	4	268
<i>C. mydas</i>	5	1	8	3	3	5	4	2	5	3	20	62	62
<i>D. coriacea</i>	0	0	1	0	0	0	0	0	0	0	0	0	3
<i>E. imbricata</i>	1	1	0	0	0	0	0	0	0	0	0	1	3
<i>L. kempii</i>	8	6	1	5	1	1	2	0	2	0	1	2	29
Unidentified	1	1	2	2	1	2	1	1	0	0	0	0	11
TOTAL	26	38	66	83	40	27	20	19	6	13	9	27	376

Table 8(b). Marine turtle strandings reported from FLORIDA (GULF), 1 January - 31 December 1989 by county and month of occurrence. All species are combined. Only counties from which strandings were reported are included.

COUNTY	MONTH												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Monroe	7	4	11	9	6	2	7	7	4	5	2	11	75
Collier	0	3	2	6	0	0	2	1	1	0	1	0	16
Lee	10	21	29	22	2	4	4	2	0	0	0	1	95
Charlotte	0	0	3	3	2	0	0	1	0	0	0	0	9
Sarasota	1	5	8	10	1	2	2	2	0	0	2	2	35
Manatee	0	1	2	8	1	0	2	2	0	1	0	0	17
Hillsborough	0	0	1	4	5	1	0	0	1	0	0	0	12
Pinellas	5	3	5	12	13	12	1	2	1	3	4	6	67
Citrus	0	0	0	0	2	1	0	0	0	0	0	0	3
Franklin	0	0	0	2	0	0	0	0	0	1	0	0	3
Gulf	2	1	3	2	3	3	1	0	0	2	0	4	21
Bay	0	0	2	4	2	2	1	0	0	1	0	2	15
Okaloosa	1	0	0	1	0	0	0	0	0	0	1	3	3
Santa Rosa	0	0	0	0	0	1	0	0	0	0	0	0	1
Escambia	0	0	0	0	0	2	0	0	2	0	0	0	4
TOTAL	26	38	66	83	40	27	20	19	8	13	9	27	376

Table 9(a). Marine turtle strandings reported from FLORIDA (ATLANTIC), 1 January - 31 December 1989 by species and month of occurrence.

SPECIES	MONTH												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
<i>C. caretta</i>	40	23	19	37	68	32	73	111	48	60	29	10	550
<i>C. mydas</i>	28	5	10	11	18	14	23	17	5	15	11	16	173
<i>D. coriacea</i>	1	2	4	8	2	0	0	2	3	0	4	1	27
<i>E. imbricata</i>	0	0	1	2	0	0	1	1	0	0	0	1	6
<i>L. kempfi</i>	4	0	1	0	0	0	1	1	0	4	4	0	15
Unidentified	1	2	4	1	6	1	3	8	3	6	5	1	41
TOTAL	74	32	39	59	94	47	101	140	59	85	53	29	812

Table 9(b). Marine turtle strandings reported from FLORIDA (ATLANTIC), 1 January - 31 December 1989 by county and month of occurrence. All species are combined. Only counties from which strandings were reported are included.

COUNTY	MONTH												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Nassau	1	0	1	1	5	3	6	8	5	6	3	1	40
Duval	3	5	0	5	7	4	4	19	9	12	4	1	73
St. John's	6	0	1	8	7	7	6	13	8	20	10	3	89
Flagler	1	1	3	2	5	0	4	2	2	6	1	0	27
Volusia	26	10	10	7	10	1	13	46	12	22	8	4	169
Brevard	16	5	6	10	18	9	24	15	14	1	11	4	133
Indian River	1	3	5	4	10	4	16	14	0	12	3	3	75
St. Lucie	4	4	1	10	11	7	7	4	2	2	1	5	58
Martin	3	2	2	3	5	1	7	6	4	1	3	1	38
Palm Beach	12	1	3	4	9	3	6	4	1	1	5	4	53
Broward	0	0	3	1	6	5	4	6	1	2	1	1	31
Dade	0	0	2	4	1	3	4	2	1	0	2	1	20
Monroe	1	1	2	0	0	0	0	1	0	0	0	1	6
TOTAL	74	32	39	59	94	47	101	140	59	85	53	29	812

**Table 10(a).** Marine turtle strandings reported from GEORGIA, 1 January - 31 December 1989 by species and month of occurrence

<u>SPECIES</u>	<u>MONTH</u>												<u>TOTAL</u>
	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	
<u>C. caretta</u>	1	0	0	4	8	13	17	41	34	11	7	0	136
<u>C. mydas</u>	0	0	0	0	0	0	0	0	2	0	0	0	2
<u>D. coriacea</u>	0	1	0	1	1	0	0	0	0	0	2	0	5
<u>E. imbricata</u>	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>L. kempii</u>	0	0	0	0	0	0	2	3	1	5	4	1	21
Unidentified	0	0	0	0	0	0	0	2	1	0	2	0	5
<b>TOTAL</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>5</b>	<b>9</b>	<b>15</b>	<b>22</b>	<b>43</b>	<b>41</b>	<b>18</b>	<b>13</b>	<b>1</b>	<b>169</b>

**Table 10(b).** Marine turtle strandings reported from GEORGIA, 1 January - 31 December 1989 by county and month of occurrence. All species are combined. Only counties from which strandings were reported are included.

<u>COUNTY</u>	<u>MONTH</u>												<u>TOTAL</u>
	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	
Chatham	0	0	0	0	1	0	3	10	10	2	3	2	31
Liberty	0	0	0	0	0	4	3	0	3	1	0	0	11
McIntosh	0	0	0	0	1	1	6	0	1	2	2	0	13
Glynn	1	1	0	2	6	1	4	19	19	5	4	0	62
Camden	0	0	0	1	2	1	5	13	15	7	7	1	52
<b>TOTAL</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>5</b>	<b>9</b>	<b>15</b>	<b>22</b>	<b>43</b>	<b>41</b>	<b>18</b>	<b>13</b>	<b>1</b>	<b>169</b>

Table 11(a).

Marine turtle strandings reported from SOUTH CAROLINA, 1 January - 31 December 1989 by species and month of occurrence.

<u>SPECIES</u>	<u>MONTH</u>												<u>TOTAL</u>
	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	
<u>C. caretta</u>	1	0	0	0	4	28	15	15	10	2	1	0	76
<u>C. mydas</u>	0	0	0	0	1	0	0	1	0	0	0	0	2
<u>D. coriacea</u>	0	0	0	1	7	1	0	0	0	0	3	0	12
<u>E. imbricata</u>	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>L. kempi</u>	0	0	0	0	0	2	2	0	0	0	0	0	4
Unidentified	0	0	0	0	0	0	2	0	0	0	0	0	2
<b>TOTAL</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>12</b>	<b>31</b>	<b>19</b>	<b>15</b>	<b>11</b>	<b>2</b>	<b>4</b>	<b>0</b>	<b>96</b>

Table 11(b). Marine turtle strandings reported from SOUTH CAROLINA, 1 January - 31 December 1989 by county and month of occurrence. All species are combined. Only counties from which strandings were reported are included.

<u>COUNTY</u>	<u>MONTH</u>												<u>TOTAL</u>
	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	
Horry	0	0	0	0	0	1	4	1	1	0	0	0	7
Georgetown	0	0	0	0	3	2	0	2	3	0	0	0	10
Charleston	0	0	0	1	9	23	14	8	6	1	3	0	65
Colleton	0	0	0	0	0	1	0	0	0	1	1	0	3
Beaufort	1	0	0	0	0	4	1	4	1	0	0	0	11
<b>TOTAL</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>12</b>	<b>31</b>	<b>19</b>	<b>15</b>	<b>11</b>	<b>2</b>	<b>4</b>	<b>0</b>	<b>96</b>

Table 12(a). Marine turtle strandings reported from NORTH CAROLINA, 1 January - 31 December 1989 by species and month of occurrence.

SPECIES	MONTH												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
<u>C. caretta</u>	2	2	2	4	28	22	17	17	6	4	15	5	124
<u>C. mydas</u>	0	0	1	0	0	0	0	0	0	1	9	4	14
<u>D. coriacea</u>	0	0	0	0	4	4	0	0	0	0	0	0	9
<u>E. imbricata</u>	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>L. Kempii</u>	1	0	0	0	1	0	0	0	0	0	0	0	2
Unidentified	2	0	0	0	0	4	1	0	0	0	0	0	7
TOTAL	5	2	3	4	33	30	18	17	7	4	24	9	156

Table 12(b). Marine turtle strandings reported from NORTH CAROLINA, 1 January - 31 December 1989 by county and month of occurrence. All species are combined. Only counties from which strandings were reported are included.

COUNTY	MONTH												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Currituck	0	0	0	0	0	1	0	0	0	0	2	0	3
Dare	3	2	1	2	6	1	3	2	1	1	10	4	36
Hyde	0	0	0	0	2	1	0	0	0	0	0	0	3
Craven	1	0	0	0	0	0	0	0	0	0	0	0	1
Carteret	0	0	2	1	17	21	12	11	4	0	9	5	82
Onslow	1	0	0	1	0	2	2	1	0	0	2	0	9
Pender	0	0	0	0	2	0	0	0	0	0	0	0	2
New Hanover	0	0	0	0	2	2	0	2	1	2	1	0	10
Brunswick	0	0	0	0	4	1	1	1	1	1	0	0	9
Beaufort	0	0	0	0	0	0	1	0	0	0	0	0	1
TOTAL	5	2	3	4	33	30	18	17	6	4	24	9	156

Table 13(a). Marine turtle strandings reported from VIRGINIA, 1 January - 31 December 1989 by species and month of occurrence.

SPECIES	MONTH												<u>TOTAL</u>
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
<i>C. caretta</i>	0	0	0	0	25	37	14	8	12	7	2	6	111
<i>C. mydas</i>	0	0	0	0	0	0	0	0	0	1	1	0	2
<i>D. coriacea</i>	0	0	0	0	1	1	0	0	0	0	0	0	3
<i>E. imbricata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>L. kempii</i>	0	0	0	0	0	2	1	0	1	0	0	1	5
Unidentified	0	0	0	0	0	0	0	1	0	0	0	0	1
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>26</b>	<b>40</b>	<b>16</b>	<b>9</b>	<b>13</b>	<b>8</b>	<b>3</b>	<b>7</b>	<b>122</b>

Table 13(b). Marine turtle strandings reported from VIRGINIA, 1 January - 31 December 1989 by county and month of occurrence. All species are combined. Only counties from which strandings were reported are included.

COUNTY	MONTH												<u>TOTAL</u>
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Accomack	0	0	0	0	0	1	0	1	2	0	0	0	4
Northampton	0	0	0	0	12	15	3	2	0	0	0	1	33
Mathews	0	0	0	0	0	1	0	0	0	0	0	0	1
Gloucester	0	0	0	0	3	9	5	0	0	0	0	0	18
York	0	0	0	0	0	1	2	1	0	0	2	0	6
Hampton	0	0	0	0	3	4	1	0	2	1	0	0	11
Norfolk	0	0	0	0	1	1	4	2	2	2	0	2	14
Virginia Beach	0	0	0	0	6	7	2	4	7	2	3	4	35
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>26</b>	<b>40</b>	<b>16</b>	<b>9</b>	<b>13</b>	<b>8</b>	<b>3</b>	<b>7</b>	<b>122</b>

Table 14(a). Marine turtle strandings reported from MARYLAND, 1 January - 31 December 1989 by species and month of occurrence.

<u>SPECIES</u>	<u>MONTH</u>												<u>TOTAL</u>
	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	
<u>C. caretta</u>	0	0	0	0	0	0	0	0	0	0	1	0	0
<u>C. mydas</u>	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>D. coriacea</u>	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>E. imbricata</u>	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>L. Kempí</u>	0	0	0	0	0	0	0	0	0	0	0	0	0
Unidentified	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>

Table 14(b). Marine turtle strandings reported from MARYLAND, 1 January - 31 December 1989 by county and month of occurrence. All species are combined. Only counties from which strandings were reported are included.

<u>COUNTY</u>	<u>MONTH</u>												<u>TOTAL</u>
	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	
Calvert	0	0	0	0	0	0	0	0	0	0	1	0	0
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>

Table 15(a). Marine turtle strandings reported from DELAWARE, 1 January - 31 December 1989 by species and month of occurrence.

SPECIES	MONTH												<u>TOTAL</u>
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
<u>C. caretta</u>	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>C. mydas</u>	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>D. coriacea</u>	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>E. imbricata</u>	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>L. kempi</u>	0	0	0	0	0	0	0	0	0	0	0	0	0
Unidentified	0	0	0	0	0	0	0	0	0	7	0	0	7
TOTAL	0	0	0	0	0	0	0	0	0	7	0	0	7

Table 15(b). Marine turtle strandings reported from DELAWARE, 1 January - 31 December 1989 by county and month of occurrence. All species are combined. Only counties from which strandings were reported are included.

COUNTRY	MONTH												<u>TOTAL</u>
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Sussex	0	0	0	0	0	0	0	0	0	7	0	0	7
TOTAL	0	0	0	0	0	0	0	0	0	7	0	0	7

Table 16(a). Marine turtle strandings reported from NEW JERSEY, 1 January - 31 December 1989 by species and month of occurrence.

<u>SPECIES</u>	<u>MONTH</u>												<u>TOTAL</u>
	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	
<u>C. caretta</u>	0	0	0	0	0	3	2	4	4	2	0	0	15
<u>C. mydas</u>	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>D. coriacea</u>	0	0	0	0	0	0	0	0	2	1	0	0	3
<u>E. imbricata</u>	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>L. kempii</u>	0	0	0	0	0	0	0	0	0	0	0	0	1
Unidentified	0	0	0	0	0	0	0	0	1	0	0	0	0
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>2</b>	<b>6</b>	<b>6</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>19</b>

Table 16(b). Marine turtle strandings reported from NEW JERSEY, 1 January - 31 December 1989 by county and month of occurrence. All species are combined. Only counties from which strandings were reported are included.

<u>COUNTY</u>	<u>MONTH</u>												<u>TOTAL</u>
	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	
Atlantic	0	0	0	0	0	0	1	0	0	0	0	0	1
Cape May	0	0	0	0	0	2	1	1	3	1	0	0	8
Monmouth	0	0	0	0	0	0	0	2	3	1	0	0	6
Ocean	0	0	0	0	0	1	0	3	0	0	0	0	4
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>2</b>	<b>6</b>	<b>6</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>19</b>

Table 17(a). Marine turtle strandings reported from NEW YORK, 1 January - 31 December 1989 by species and month of occurrence.

SPECIES	MONTH												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
<i>C. caretta</i>	0	0	0	0	0	0	1	1	1	1	1	0	5
<i>C. mydas</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>D. coriacea</i>	0	0	0	0	0	2	1	0	5	2	0	0	11
<i>E. imbricata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>L. kempi</i>	0	0	0	0	1	0	0	1	0	1	4	5	12
Unidentified	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	3	1	1	7	3	2	5	6	28

Table 17(b). Marine turtle strandings reported from NEW YORK, 1 January - 31 December 1989 by county and month of occurrence. All species are combined. Only counties from which strandings were reported are included.

COUNTY	MONTH												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Kings	0	0	0	0	0	0	0	0	0	1	0	0	1
Nassau	0	0	0	0	1	0	0	2	2	0	0	0	5
Suffolk	0	0	0	0	2	1	1	5	1	1	5	6	22
TOTAL	0	0	0	0	3	1	1	7	3	2	5	6	28

Table 18(a).

Marine turtle strandings reported from CONNECTICUT, 1 January - 31 December 1989 by species and month of occurrence.

<u>SPECIES</u>	<u>MONTH</u>												<u>TOTAL</u>
	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	
<u>C. caretta</u>	0	0	0	0	0	0	0	0	1	0	0	0	1
<u>C. mydas</u>	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>D. coriacea</u>	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>E. imbricata</u>	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>L. Kempfi</u>	0	0	0	0	0	0	0	0	0	0	0	0	0
Unidentified	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>

Table 18(b).

Marine turtle strandings reported from CONNECTICUT, 1 January - 31 December 1989 by county and month of occurrence. All species are combined. Only counties from which strandings were reported are included.

<u>COUNTY</u>	<u>MONTH</u>												<u>TOTAL</u>
	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	
<b>Fairfield</b>	0	0	0	0	0	0	0	0	1	0	0	0	1
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>

Table 19(a).

Marine turtle strandings reported from RHODE ISLAND, 1 January - 31 December 1989 by species and month of occurrence.

SPECIES	MONTH												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
<i>C. caretta</i>	0	0	0	0	0	0	0	1	0	0	0	0	1
<i>C. mydas</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>D. coriacea</i>	0	0	0	1	0	1	0	3	1	0	1	0	7
<i>E. imbricata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>L. kempii</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
Unidentified	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	1	0	1	0	4	1	0	1	0	8

Table 19(b).

Marine turtle strandings reported from RHODE ISLAND, 1 January - 31 December 1989 by county and month of occurrence. All species are combined. Only counties from which strandings were reported are included.

COUNTY	MONTH												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Newport	0	0	0	1	0	1	0	1	0	0	1	0	4
Washington	0	0	0	0	0	0	0	3	1	0	0	0	4
TOTAL	0	0	0	1	0	1	0	4	1	0	1	0	8

Table 20(a). Marine turtle strandings reported from MASSACHUSETTS, 1 January - 31 December 1989 by species and month of occurrence.

SPECIES	MONTH												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
<u>C. caretta</u>	0	0	0	0	0	0	0	0	0	1	2	1	4
<u>C. mydas</u>	0	0	0	0	0	0	0	0	0	0	1	0	1
<u>D. coriacea</u>	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>E. imbricata</u>	0	0	0	0	0	0	0	0	0	0	0	1	1
<u>L. Kempfi</u>	0	0	0	1	1	0	0	0	0	0	14	10	26
Unidentified	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	1	1	0	0	0	0	1	18	11	32

Table 20(b).

Marine turtle strandings reported from MASSACHUSETTS, 1 January - 31 December 1989 by county and month of occurrence. All species are combined. Only counties from which strandings were reported are included.

COUNTY	MONTH												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Barnstable	0	0	0	1	1	0	0	0	0	1	18	10	31
Dukes	0	0	0	0	0	0	0	0	0	0	0	1	1
TOTAL	0	0	0	1	1	0	0	0	0	1	18	11	32

Table 21(a). Marine turtle strandings reported from MAINE, 1 January - 31 December 1989 by species and month of occurrence.

<u>SPECIES</u>	<u>MONTH</u>												<u>TOTAL</u>
	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	
<u>C. caretta</u>	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>C. mydas</u>	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>D. coriacea</u>	0	0	0	0	0	0	0	0	0	1	0	0	1
<u>E. imbricata</u>	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>L. kempfi</u>	0	0	0	0	0	0	0	0	0	0	0	0	0
Unidentified	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	0	0	0	0	0	0	0	0	0	1	0	0	1

32

Table 21(b). Marine turtle strandings reported from MAINE, 1 January - 31 December 1989 by county and month of occurrence. All species are combined. Only counties from which strandings were reported are included.

<u>COUNTRY</u>	<u>MONTH</u>												<u>TOTAL</u>
	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	
Cumberland	0	0	0	0	0	0	0	0	0	1	0	0	1
<b>TOTAL</b>	0	0	0	0	0	0	0	0	0	1	0	0	1

Table 22. Marine turtle strandings reported from PUERTO RICO, 1 January - 31 December 1989 by species and month of occurrence.

SPECIES	MONTH												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
<i>C. caretta</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>C. mydas</i>	0	0	0	0	1	0	0	0	0	0	0	0	0
<i>D. coriacea</i>	0	0	0	0	1	0	0	0	0	0	0	0	1
<i>E. imbricata</i>	0	0	0	0	1	0	0	0	0	0	0	0	1
<i>L. kempi</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
Unidentified	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	3	0	0	0	0	0	0	0	3

Table 23. Marine turtle strandings reported from VIRGIN ISLANDS, 1 January - 31 December 1989 by species and month of occurrence.

SPECIES	MONTH												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
<i>C. caretta</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>C. mydas</i>	0	1	0	2	0	0	0	0	0	0	0	0	0
<i>D. coriacea</i>	0	0	0	0	0	0	0	0	0	0	2	0	5
<i>E. imbricata</i>	0	0	2	0	0	0	0	0	0	0	0	0	0
<i>L. kempi</i>	0	0	0	0	0	0	0	0	0	0	0	0	2
Unidentified	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	1	2	2	0	0	0	0	0	0	0	2	0

Table 24. Marine turtle strandings reported from GULF REGION, 1 January - 31 December 1989 by zone and month of occurrence.

STATISTICAL ZONE	MONTH											TOTAL	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
ZONE 1	5	3	6	5	3	2	3	5	3	2	1	6	44
ZONE 2	0	0	0	0	0	0	1	0	0	0	0	0	1
ZONE 3	0	0	0	0	0	0	2	0	0	0	0	0	2
ZONE 4	10	24	34	34	4	4	6	5	1	0	2	1	125
ZONE 5	5	8	15	30	16	15	5	5	2	4	3	8	116
ZONE 6	2	1	1	1	6	1	0	0	0	0	2	0	14
ZONE 7	0	0	0	2	0	0	0	0	0	1	0	0	3
ZONE 8	2	1	5	6	5	2	0	0	1	3	0	6	36
ZONE 9	1	0	0	1	2	0	0	1	0	0	0	1	6
ZONE 10	0	0	0	0	0	1	9	4	1	13	0	0	15
ZONE 11	0	0	0	0	3	11	29	11	13	0	0	0	67
ZONE 12	0	0	0	0	0	4	3	0	0	0	0	0	7
ZONE 13	0	0	0	0	0	0	1	1	0	0	0	0	2
ZONE 14	0	0	0	0	0	0	0	0	0	0	1	0	10
ZONE 15	0	0	0	0	0	0	0	0	0	0	0	0	0
ZONE 16	0	0	0	0	0	0	1	1	0	0	2	1	10
ZONE 17	0	0	0	0	0	1	4	7	0	1	4	0	40
ZONE 18	2	1	1	4	7	0	3	4	6	0	4	0	46
ZONE 19	3	2	3	4	11	3	4	6	5	15	9	0	87
ZONE 20	0	10	8	21	7	4	5	1	1	1	2	1	5
ZONE 21	3	38	4	14	10	1	1	1	1	1	2	1	81
ZONE 24	1	4	4	3	0	1	2	1	0	0	0	0	26
ZONE 25	0	0	1	0	0	0	0	0	0	0	0	0	1
TOTAL	34	89	82	130	91	77	47	63	26	33	21	37	730

Table 25. Marine turtle strandings reported from SOUTHEAST REGION, 1 January - 31 December 1989 by zone and month of occurrence.

STATISTICAL ZONE	MONTH											<u>TOTAL</u>	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
<u>ZONE 24</u>	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>ZONE 25</u>	1	1	4	4	1	3	5	3	1	0	0	2	3
<u>ZONE 26</u>	12	1	6	5	16	8	9	10	3	3	7	4	28
<u>ZONE 27</u>	10	11	11	20	25	12	33	24	7	15	9	10	84
<u>ZONE 28</u>	23	6	4	9	21	9	25	23	12	2	11	4	187
<u>ZONE 29</u>	22	8	13	9	12	8	14	48	18	34	9	4	149
<u>ZONE 30</u>	6	5	1	13	21	8	20	45	33	39	22	5	199
<u>ZONE 31</u>	1	1	0	3	7	13	14	26	26	9	6	0	218
<u>ZONE 32</u>	1	0	0	2	5	29	18	16	4	3	4	0	106
<u>ZONE 33</u>	0	0	0	0	11	4	5	4	8	1	0	0	82
<u>ZONE 34</u>	2	0	2	2	21	22	13	13	4	2	10	4	33
<u>ZONE 35</u>	3	2	1	2	8	6	3	3	2	1	11	5	95
<u>ZONE 36</u>	0	0	0	0	7	9	7	6	9	4	6	6	54
<b>TOTAL</b>	81	35	42	69	155	131	166	221	127	113	97	44	1282

Table 26. Marine turtle strandings reported from NORTHEAST REGION, 1 January - 31 December 1989 by zone and month of occurrence.

STATISTICAL ZONE	MONTH											<u>TOTAL</u>	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
<u>ZONE 37</u>	0	0	0	0	19	32	10	3	2	4	0	1	71
<u>ZONE 38</u>	0	0	0	0	0	2	0	0	3	8	0	0	13
<u>ZONE 39</u>	0	0	0	0	0	1	2	3	2	1	0	0	9
<u>ZONE 40</u>	0	0	0	0	3	0	0	9	5	2	1	1	21
<u>ZONE 41</u>	0	0	0	1	1	2	1	5	3	2	19	14	48
<u>ZONE 42</u>	0	0	0	1	0	0	0	0	0	0	4	2	7
<u>ZONE 43</u>	0	0	0	0	0	0	0	0	0	0	1	0	1
<b>TOTAL</b>	0	0	0	2	23	37	13	20	15	18	24	18	170

Table 27. Marine turtle strandings by species and month of occurrence for zones 4 and 5. Sampling was conducted systematically throughout 1989.

<u>SPECIES</u>	<u>MONTH</u>												<u>TOTAL</u>
	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	
<u>C. caretta</u>	7	28	46	57	19	17	9	10	1	4	4	2	204
<u>C. mydas</u>	1	0	0	1	0	0	0	0	0	0	1	5	9
<u>D. coriacea</u>	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>E. imbricata</u>	0	0	0	0	0	0	0	0	0	0	0	1	1
<u>L. kempii</u>	7	4	1	4	1	1	2	0	2	0	0	1	23
Unidentified	0	0	2	2	0	0	0	0	0	0	0	0	4
<b>TOTAL</b>	<b>15</b>	<b>32</b>	<b>49</b>	<b>64</b>	<b>20</b>	<b>19</b>	<b>11</b>	<b>10</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>9</b>	<b>241</b>

Table 28. Marine turtle strandings by species and month of occurrence for zones 17 thru 21. Sampling was conducted systematically throughout 1989.

<u>SPECIES</u>	<u>MONTH</u>												<u>TOTAL</u>
	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	
<u>C. caretta</u>	5	4	10	26	23	3	8	7	9	10	6	2	113
<u>C. mydas</u>	3	45	1	2	3	1	1	3	1	0	1	5	66
<u>D. coriacea</u>	0	0	0	2	2	0	0	1	0	0	0	0	5
<u>E. imbricata</u>	0	0	0	0	0	1	0	13	5	0	1	2	22
<u>L. kempii</u>	0	2	5	14	8	2	2	6	1	10	3	0	53
Unidentified	0	0	0	0	0	1	0	1	1	0	1	1	5
<b>TOTAL</b>	<b>8</b>	<b>51</b>	<b>16</b>	<b>44</b>	<b>36</b>	<b>8</b>	<b>11</b>	<b>31</b>	<b>17</b>	<b>20</b>	<b>12</b>	<b>10</b>	<b>264</b>

Table 29. Marine turtle strandings by species and month of occurrence for zones 28 thru 30. Sampling was conducted systematically throughout 1989.

SPECIES	MONTH											TOTAL	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		
<u>C. caretta</u>	36	16	9	20	46	22	55	105	58	62	28	6	463
<u>C. mydas</u>	10	0	2	2	0	3	2	2	1	0	5	5	28
<u>D. coriacea</u>	1	2	3	8	3	0	0	1	0	0	5	1	24
<u>E. imbricata</u>	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>L. kempfi</u>	3	0	1	0	0	0	0	1	1	1	6	1	22
Unidentified	1	1	3	1	5	0	1	7	3	6	1	0	29
TOTAL	51	19	18	31	54	25	59	116	63	75	42	13	566

Table 30. Marine turtle strandings by species and month of occurrence for zone 31. Sampling was conducted systematically throughout 1989.

SPECIES	MONTH											TOTAL	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV		
<u>C. caretta</u>	1	0	0	3	7	11	9	26	20	5	5	0	87
<u>C. mydas</u>	0	0	0	0	0	0	0	0	2	0	0	0	2
<u>D. coriacea</u>	0	1	0	0	0	0	0	0	0	0	1	0	2
<u>E. imbricata</u>	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>L. kempfi</u>	0	0	0	0	2	3	0	4	2	0	0	0	11
Unidentified	0	0	0	0	0	2	0	0	2	0	0	0	4
TOTAL	1	1	0	3	7	13	14	26	26	9	6	0	106

Table 31. Marine turtle strandings by species and month of occurrence for Zone 32. Sampling was conducted systematically throughout 1989.

<u>SPECIES</u>	<u>MONTH</u>											<u>TOTAL</u>	
	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>		
<u>C. caretta</u>	1	0	0	0	2	26	15	16	4	2	1	0	67
<u>C. mydas</u>	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>D. coriacea</u>	0	0	0	2	3	1	0	0	0	0	3	0	9
<u>E. imbricata</u>	0	0	0	0	0	0	0	0	0	0	0	0	0
<u>L. kempi</u>	0	0	0	0	0	2	2	0	0	1	0	0	5
Unidentified	0	0	0	0	0	0	1	0	0	0	0	0	1
<b>TOTAL</b>	1	0	0	2	5	29	18	16	4	3	4	0	82

Table 32. Strandings of headstarted turtles reported through the STSSN, 1 January - 31 December 1989.

Species:	<u>Lepidochelys kempi</u>												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Texas	0	0	0	0	3	1	0	0	1	0	1	0	6
Louisiana	0	0	0	0	0	0	0	1	0	0	0	0	1
Alabama	0	0	0	0	0	1	0	0	0	0	0	0	1
Florida (Gulf)	0	0	0	1	2	2	0	1	0	0	2	0	8
Georgia	0	0	0	0	0	0	0	0	0	1	0	0	1
TOTAL	0	0	0	0	4	4	2	1	1	1	1	3	17

# MARINE TURTLE STRANDINGS

1980 - 1989

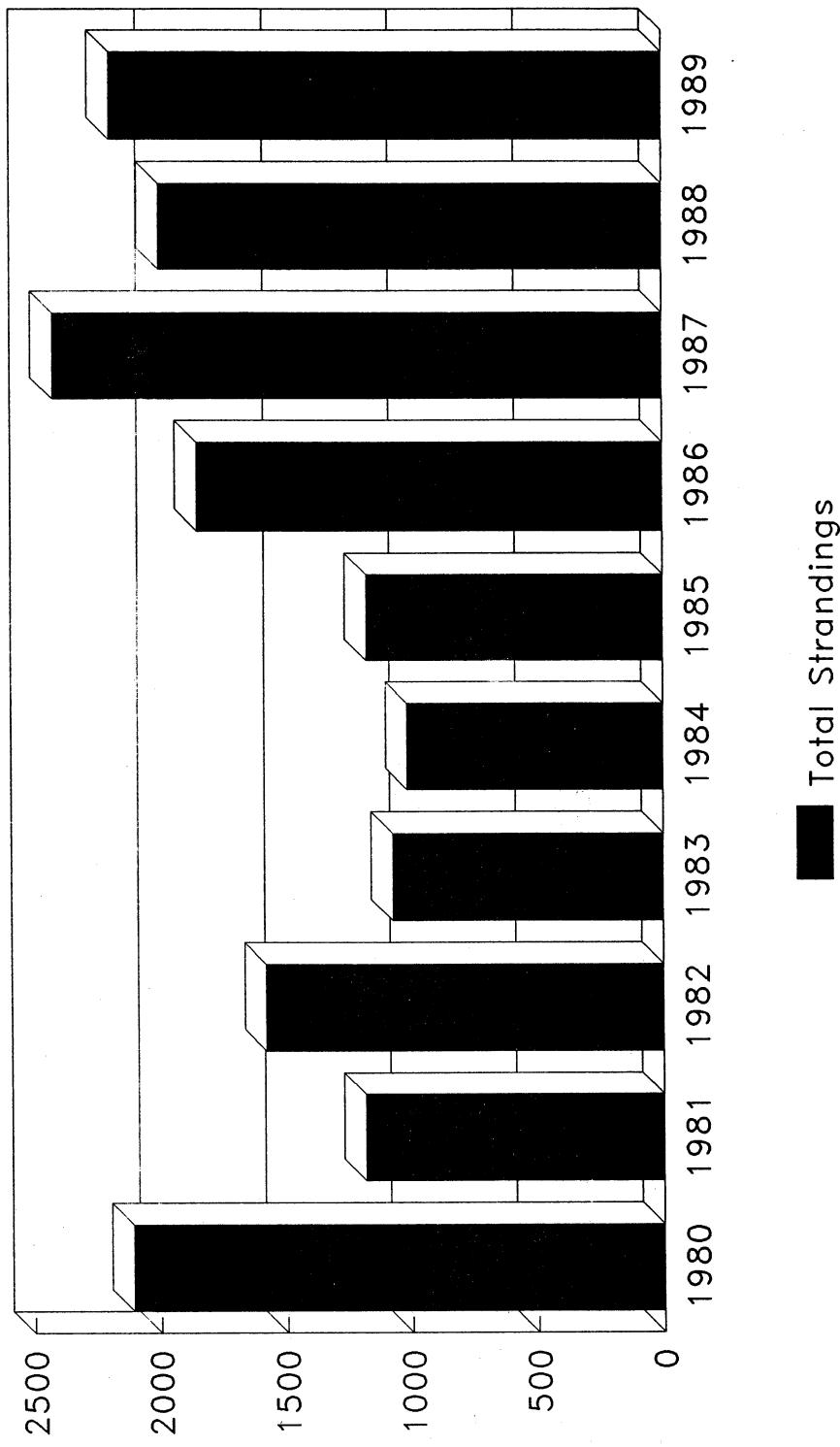


Figure 1. Marine turtle strandings reported annually from the U.S. Atlantic and Gulf of Mexico, 1980 - 1989.  
All species are combined.

# 1989 Strandings by State

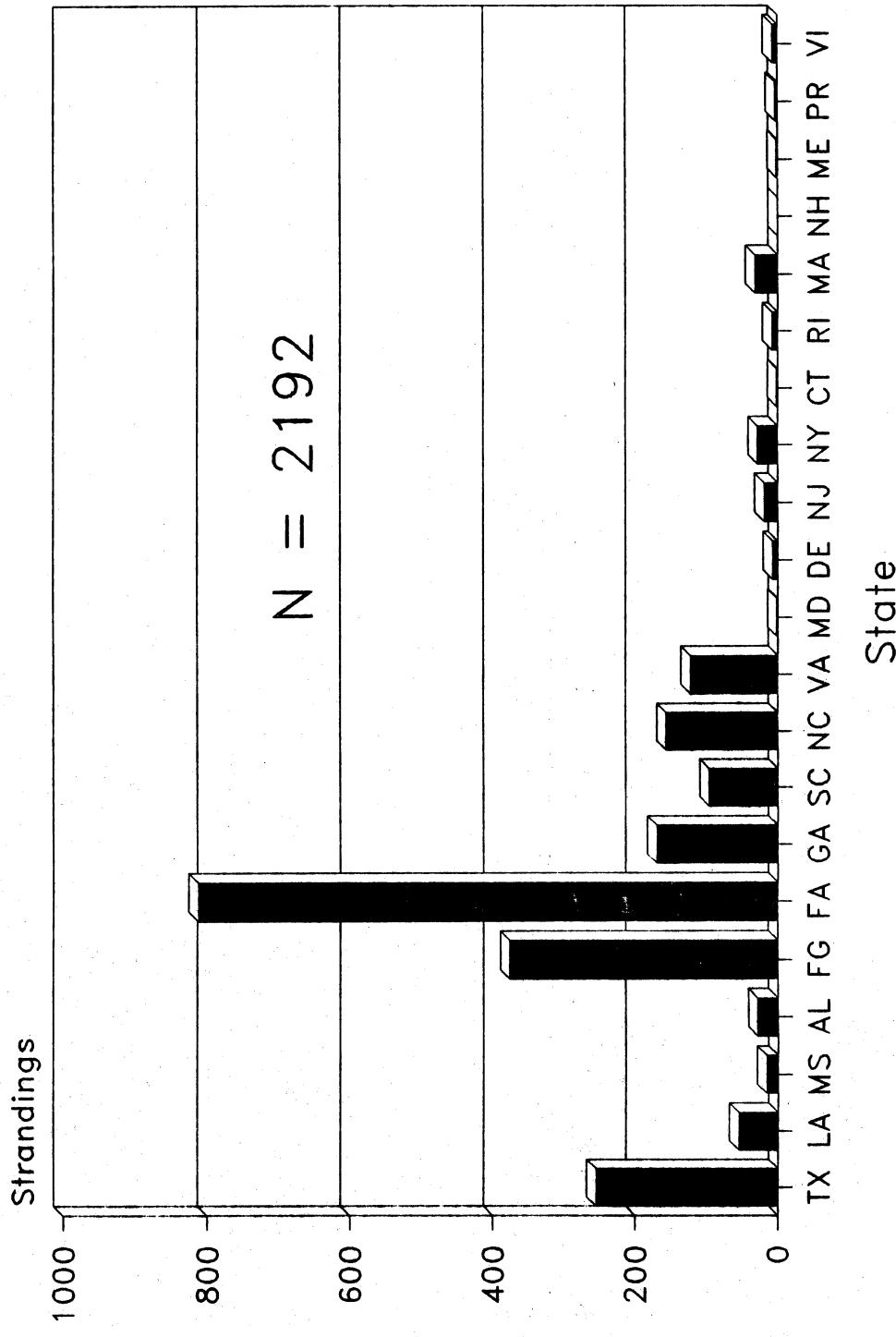


Figure 2. Marine turtle strandings reported from the U.S. Atlantic and Gulf of Mexico, 1989.  
FG = Florida(Gulf), FA = Florida(Atlantic).

# Gulf of Mexico Strandings

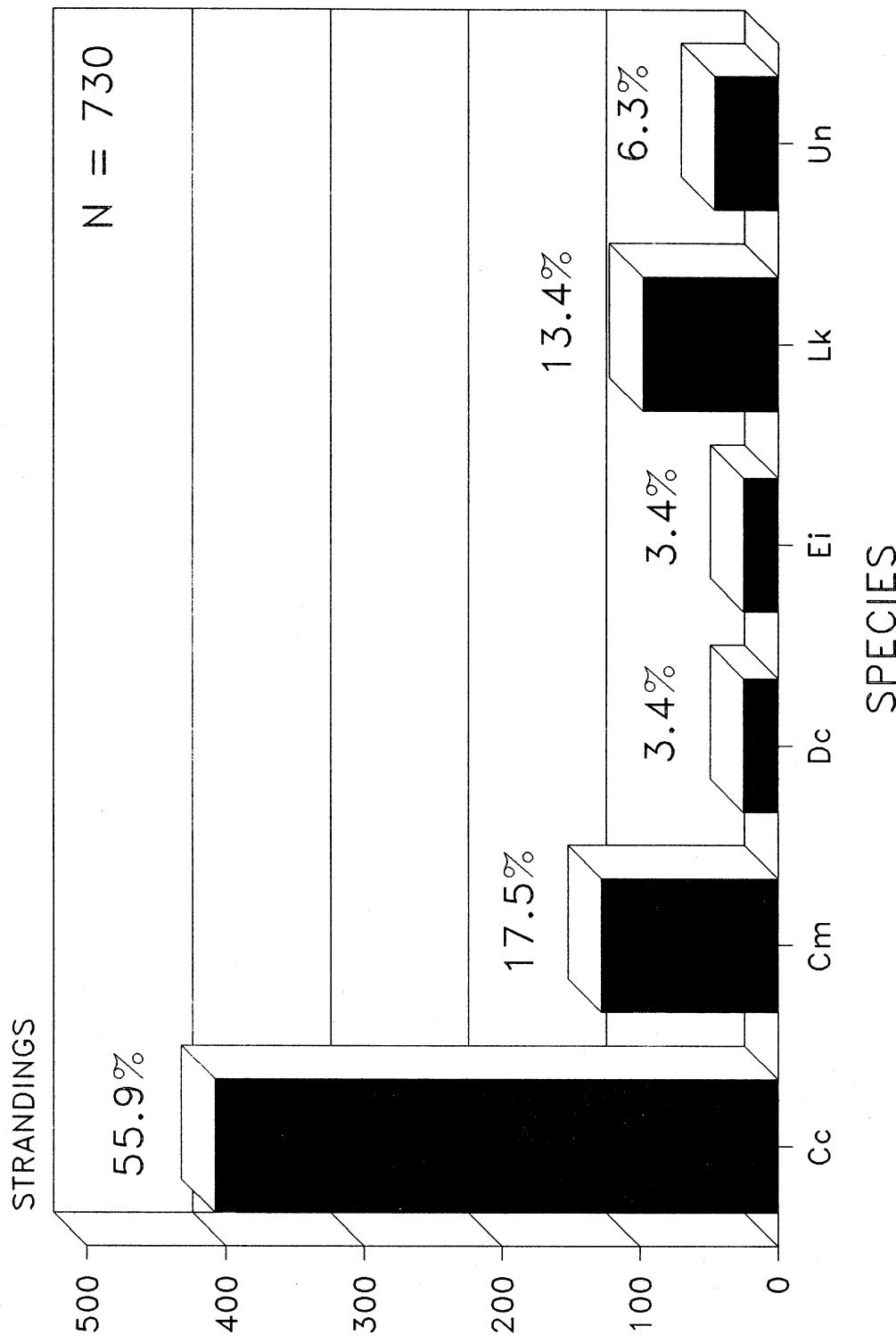


Figure 3. Species composition of stranded marine turtles reported from the Gulf of Mexico, 1989.

# Southeast U.S. Strandings

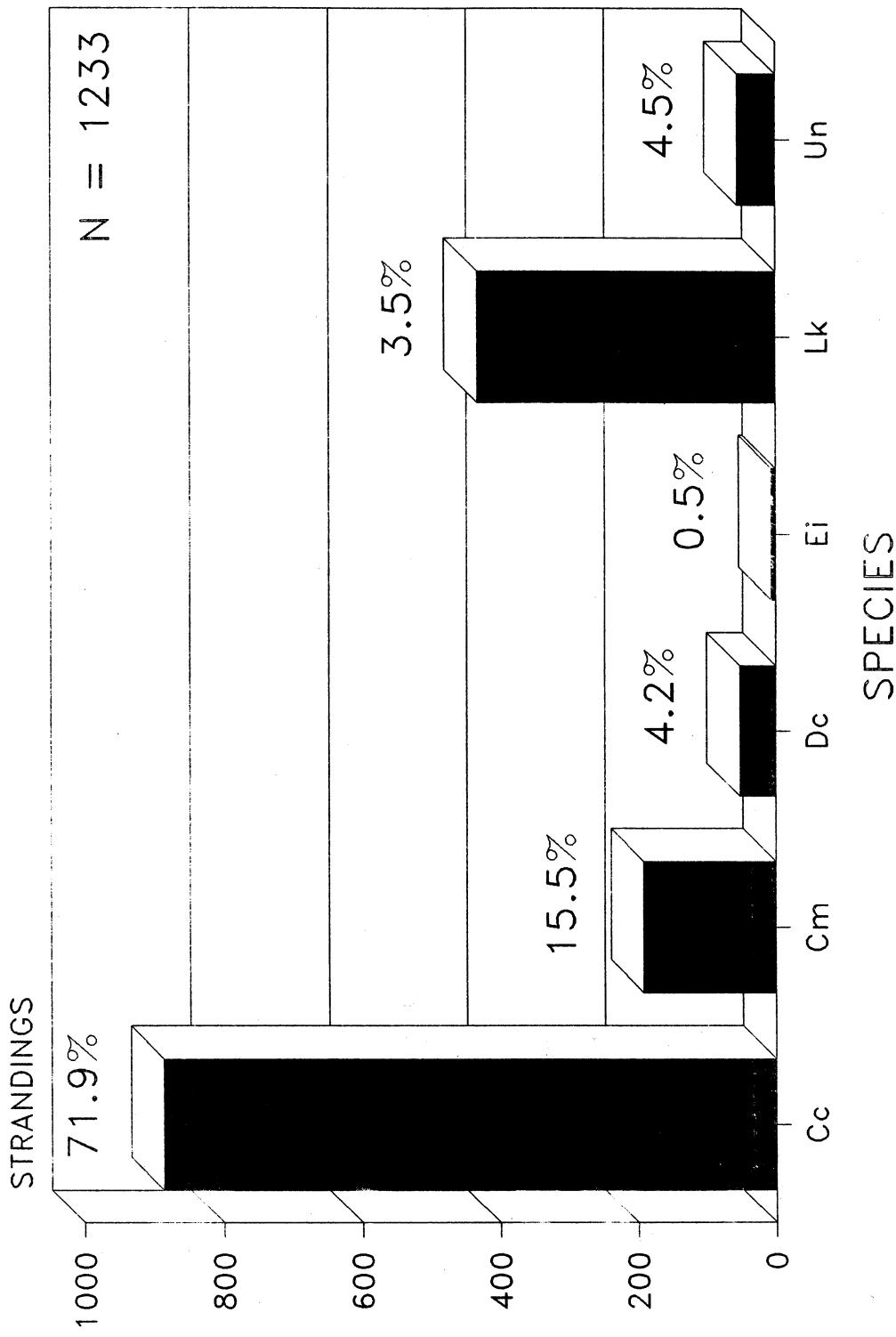


Figure 4. Species composition of stranded marine turtles reported from the southeast U.S. Atlantic, 1989.

# North east U.S. Strandings

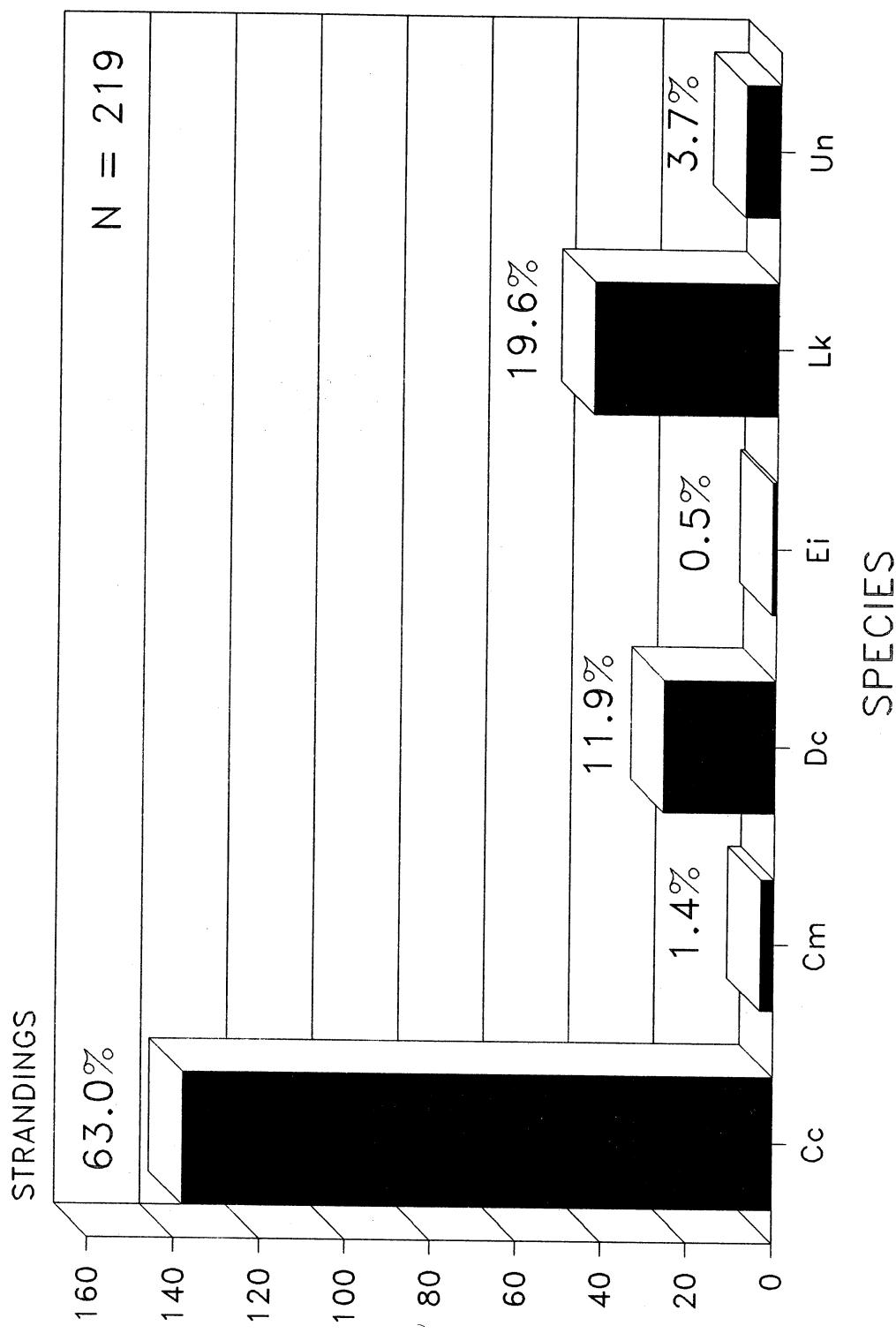


Figure 5. Species composition of stranded marine turtles reported from the northeast U.S. Atlantic, 1989.

## Gulf of Mexico Strandings 1989

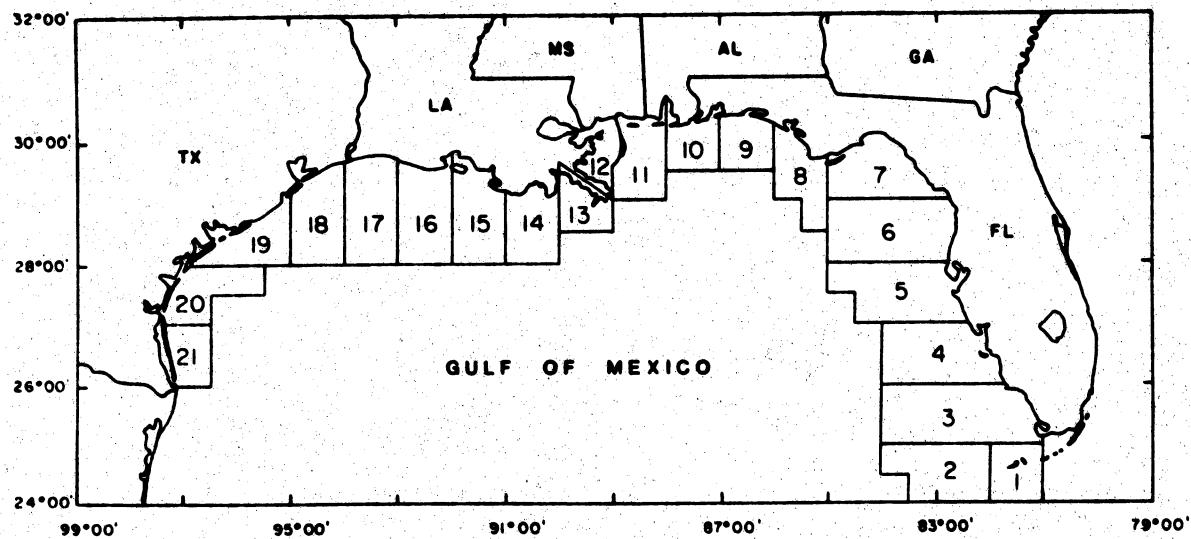
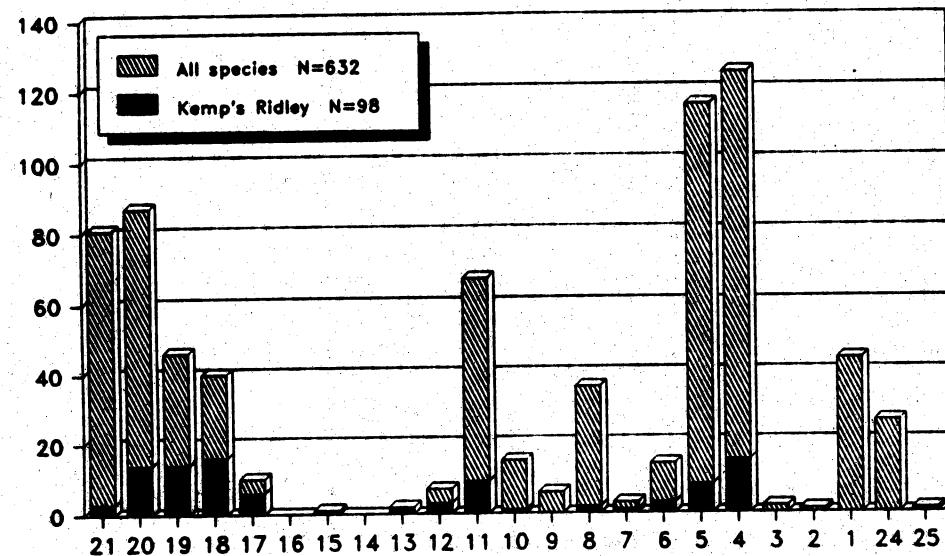


Figure 6. Marine turtle strandings reported from the Gulf of Mexico by statistical zone, 1989.

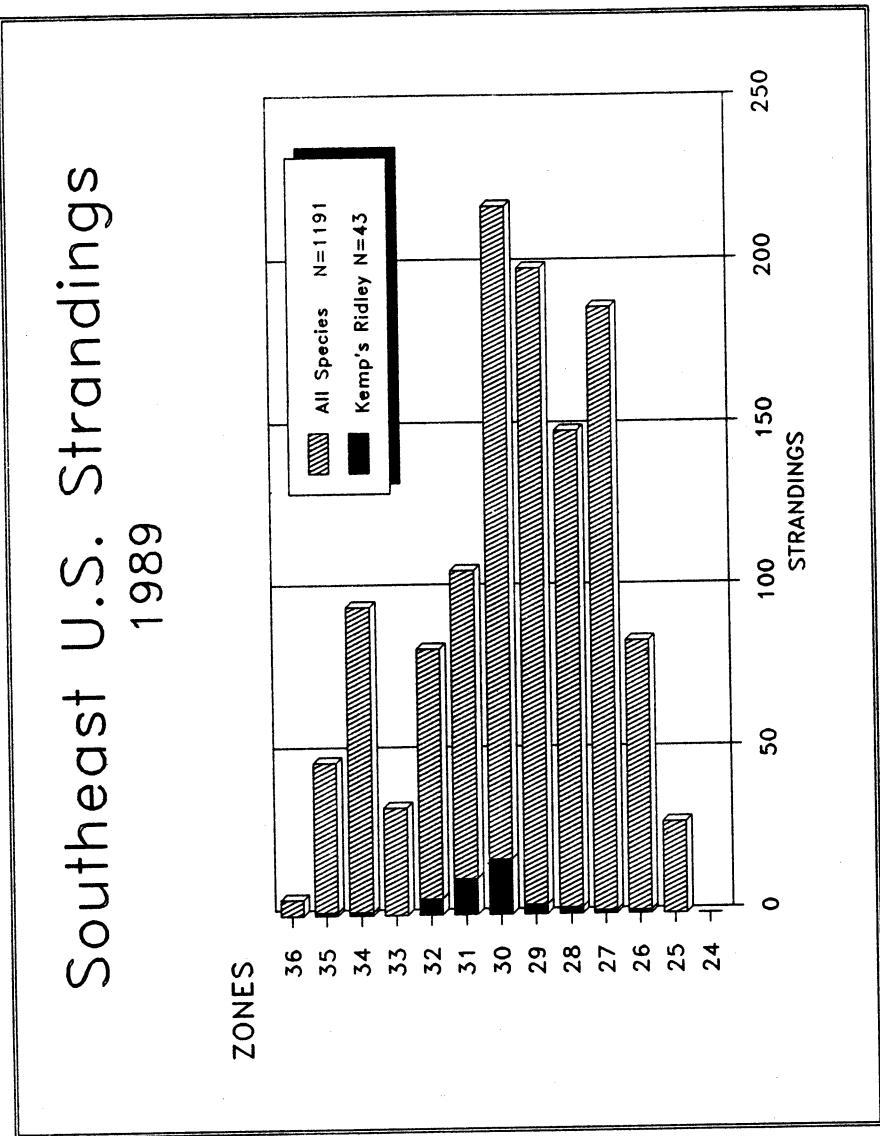
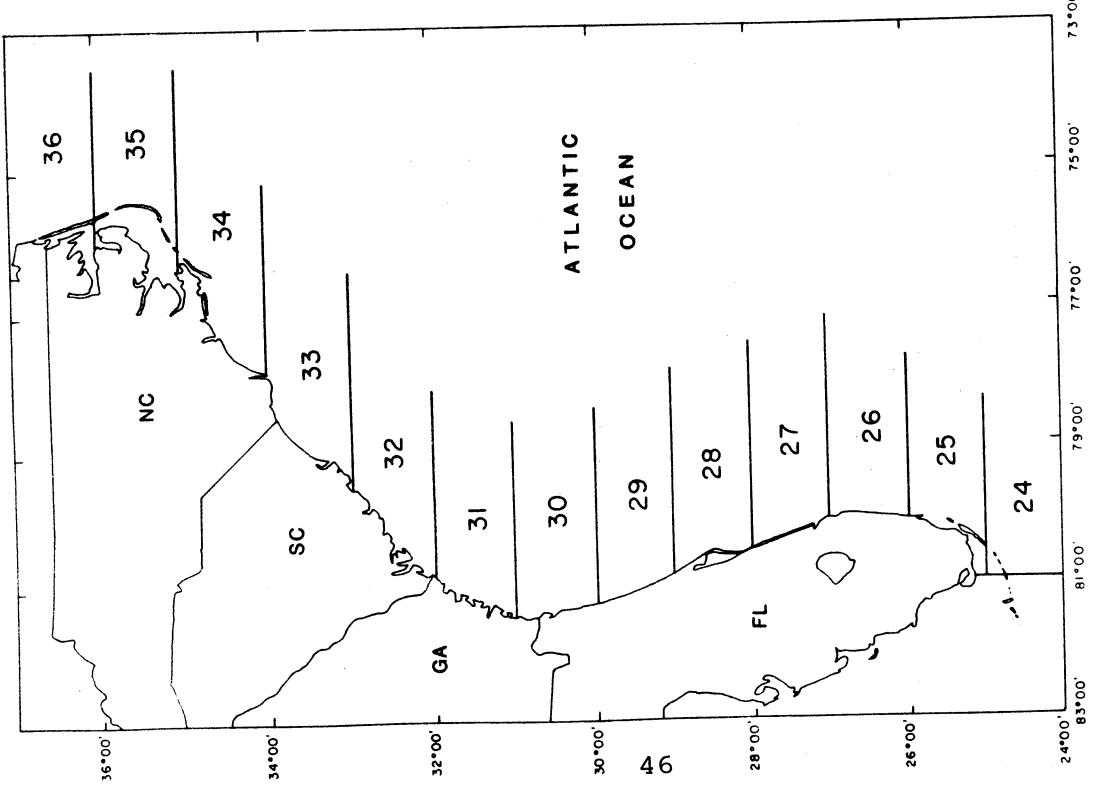


Figure 7. Marine turtle strandings reported from the southeast U.S. Atlantic by statistical zone, 1989.

# Northeast U.S. Strandings 1989

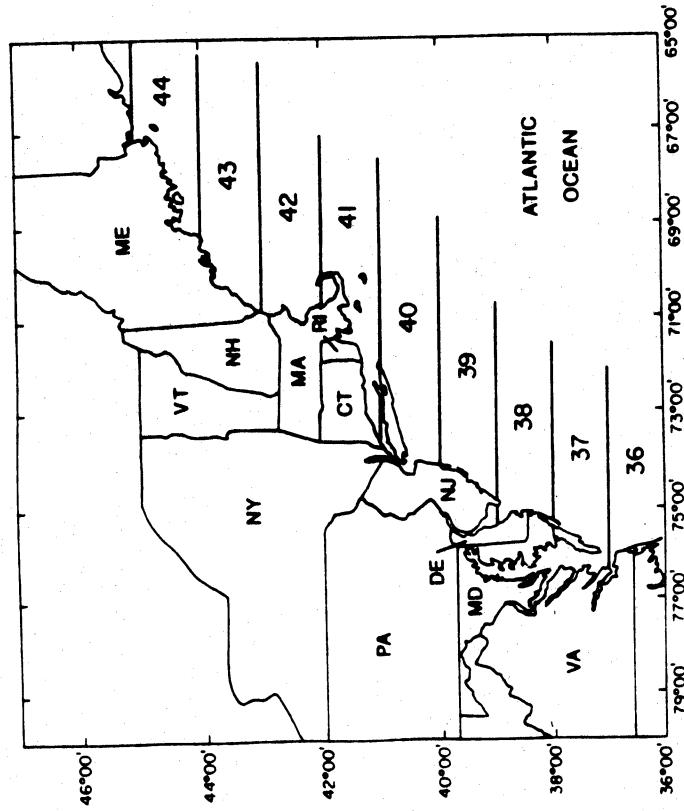
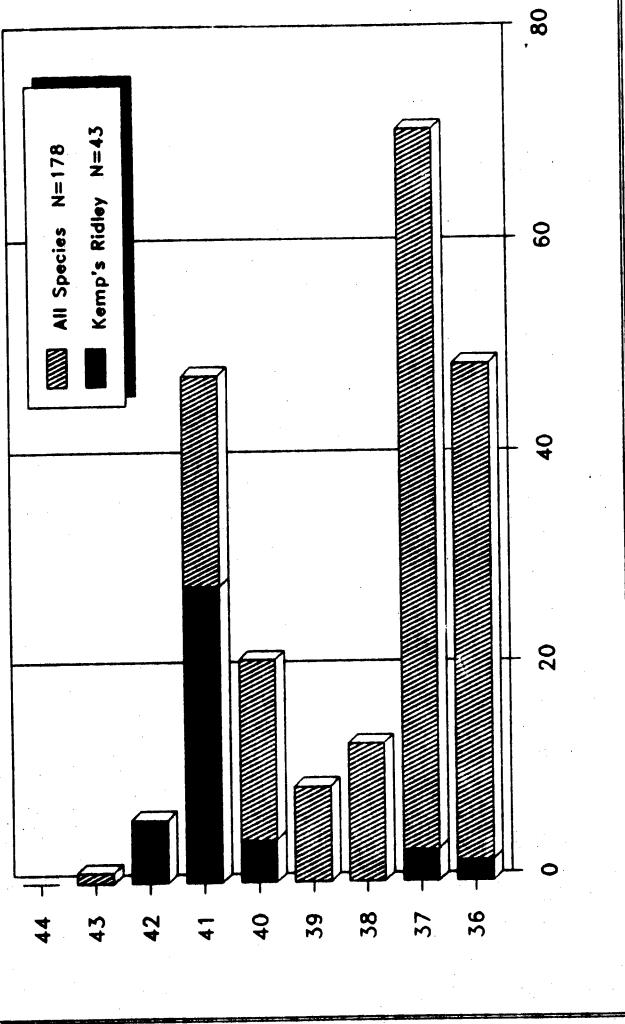


Figure 8. Marine turtle strandings reported from the northeast U.S. Atlantic by statistical zone, 1989.

# DISTRIBUTION OF STRANDINGS GULF OF MEXICO (1988-1989)

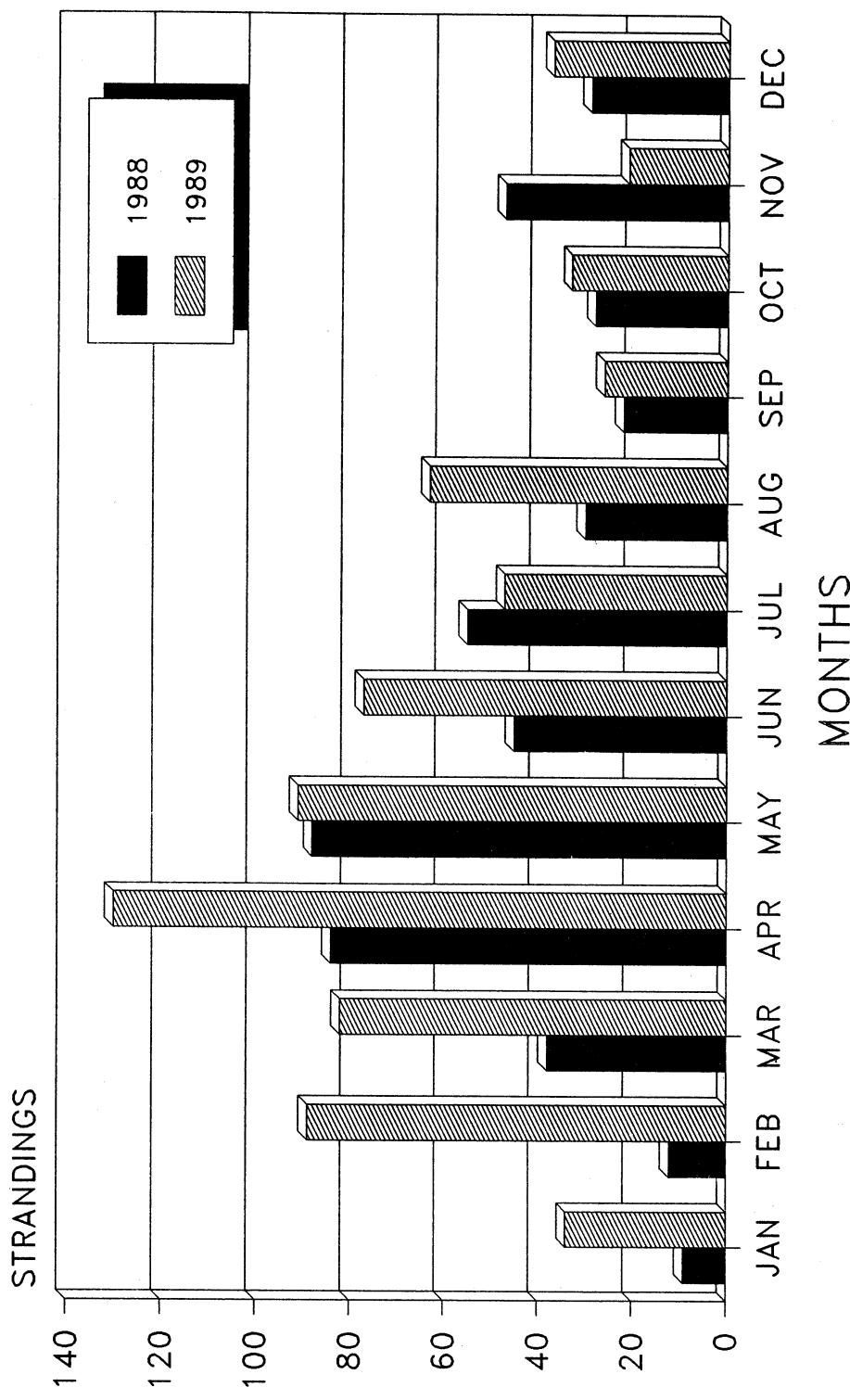


Figure 9. Monthly distribution of marine turtle strandings reported from the Gulf of Mexico, 1988 and 1989.  
All species are combined.

# DISTRIBUTION OF STRANDINGS SOUTHEAST U.S. ATLANTIC (1988-1989)

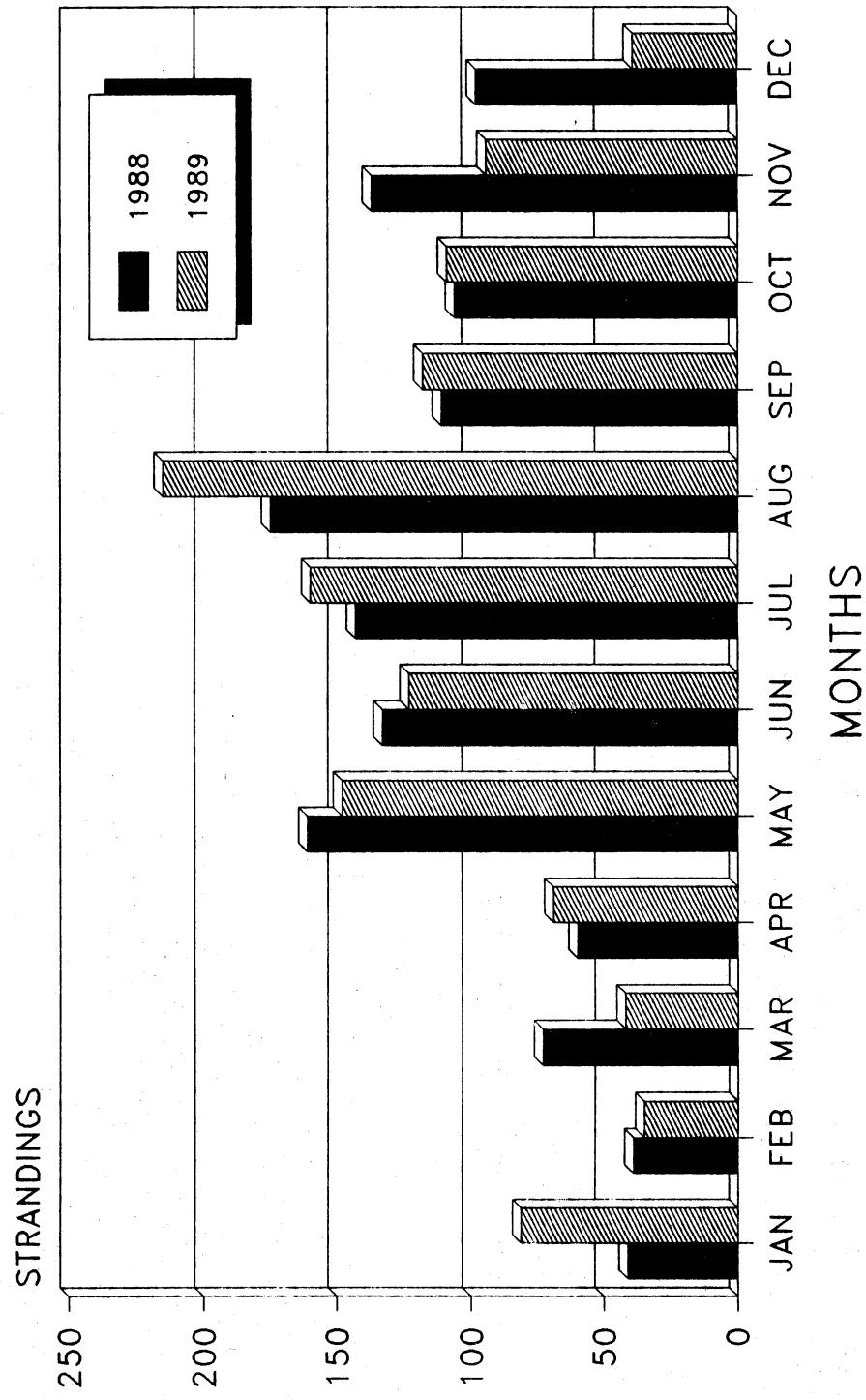


Figure 10. Monthly distribution of marine turtle strandings reported from the southeast U.S. Atlantic, 1988 and 1989.  
All species are combined.

# DISTRIBUTION OF STRANDINGS NORTHEAST U.S. ATLANTIC (1988-1989)

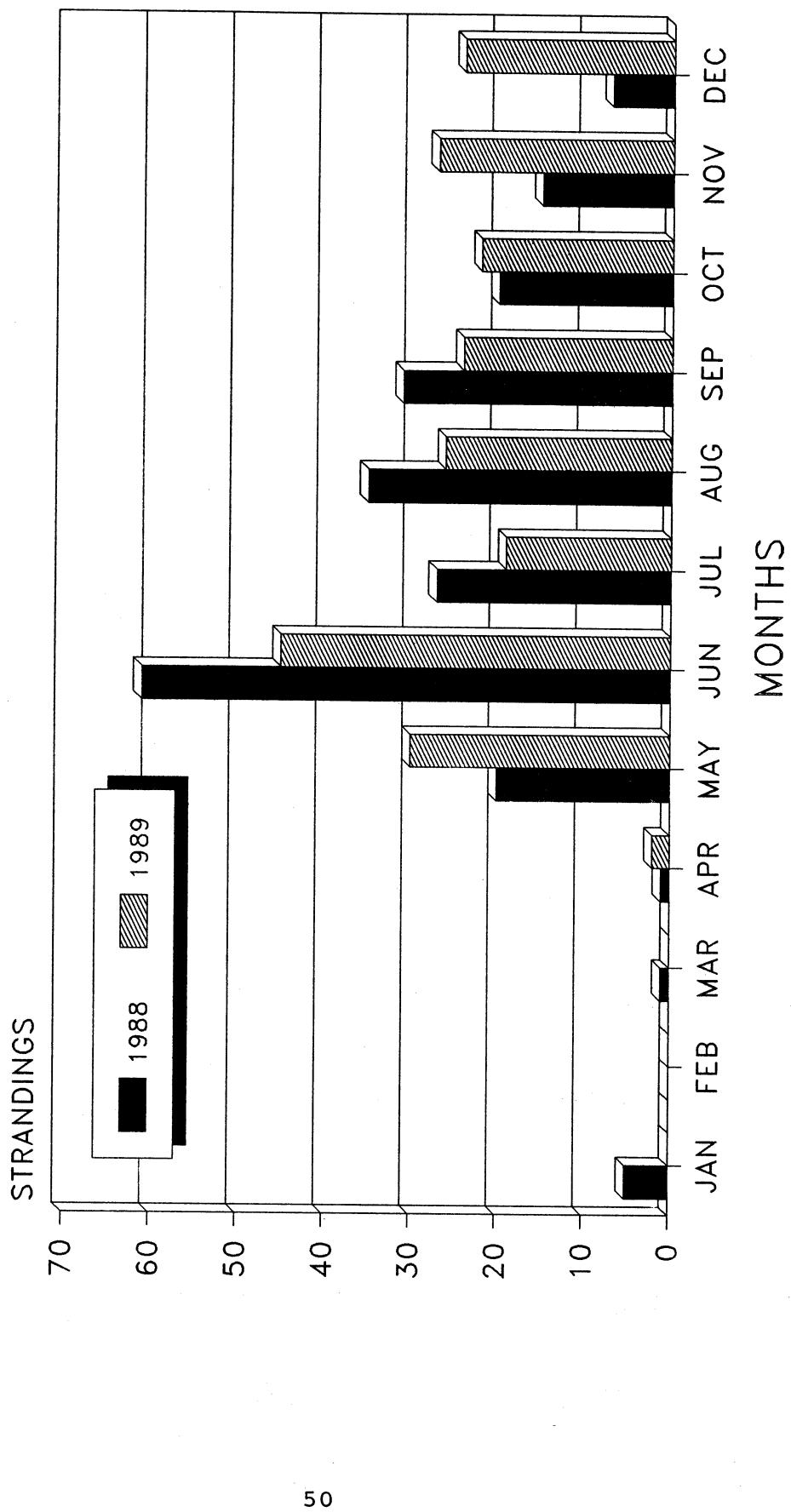


Figure 11. Monthly distribution of marine turtle strandings reported from the northeast U.S. Atlantic, 1988 and 1989.  
All species are combined.