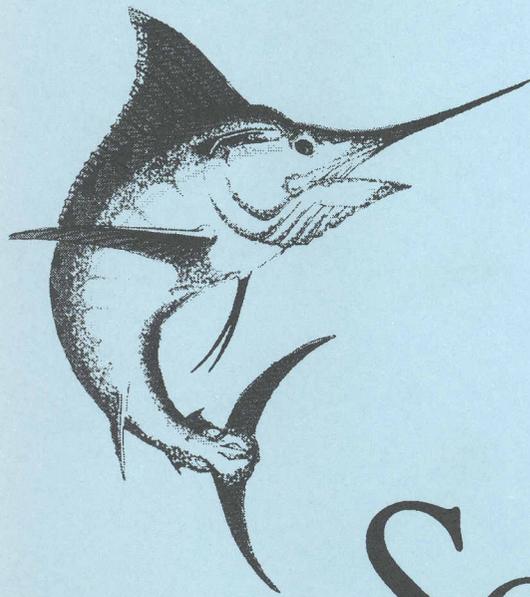
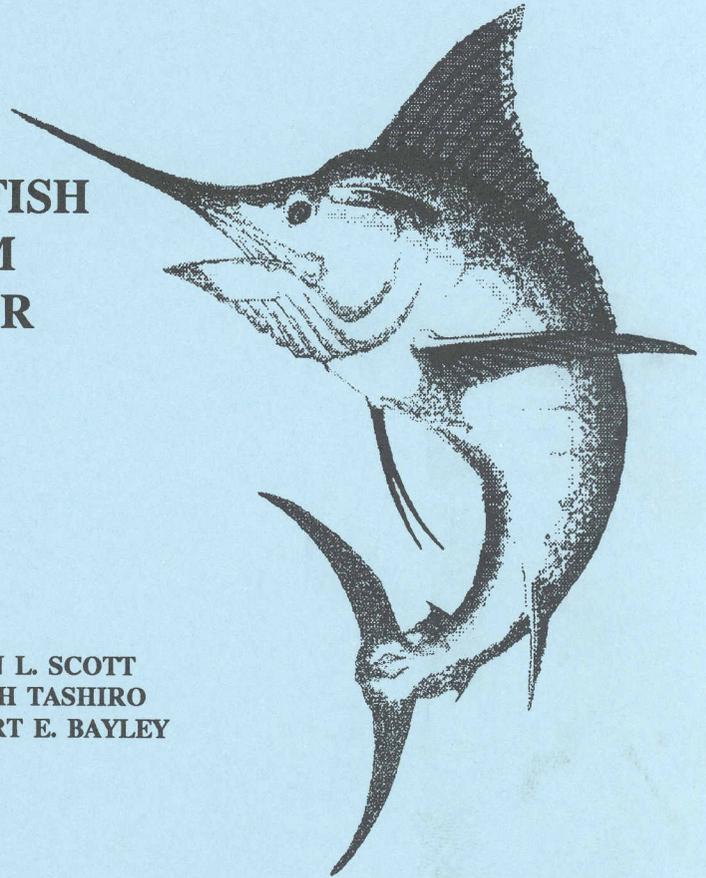


**COOPERATIVE GAME FISH
TAGGING PROGRAM
ANNUAL NEWSLETTER
1989¹**



**EDWIN L. SCOTT
JOSEPH TASHIRO
ROBERT E. BAYLEY**



Southeast
FISHERIES CENTER

¹Contribution MIA-89/90-03 from the Southeast Fisheries Center, Miami, Laboratory, Oceanics Pelagics Division

NOAA Technical Memorandum NMFS-SEFC-258

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National Oceanic and Atmospheric Administration
John A. Knauss, Administrator
National Marine Fisheries Service
William W. Fox, Jr., Assistant Administrator

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Miami, FL 33149

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The Cooperative Game Fish Tagging Program is a joint research effort by scientists, recreational, and commercial fishermen. It is designed to provide basic information on the movements and biology of game fish populations in the Atlantic Ocean, Gulf of Mexico, and the Caribbean Sea through the direct participation of the public in scientific research.

In 1989, program cooperators and scientists tagged and released 8,101 fish of 41 species in the Atlantic Ocean, Gulf of Mexico, and the Caribbean Sea. A total of 5,330 billfish were tagged and released: 2,103 sailfish, 1,179 white marlin, 1,887 blue marlin, and 161 swordfish. There were 536 tunas tagged and released: 296 yellowfin, 104 bluefin, and 136 miscellaneous tunas. Other species tagged and released by program cooperators were: 963 red drum, 431 tarpon, 268 king mackerel, 211 amberjack, and 37 cobia. In addition, 325 fish of 30 miscellaneous species were tagged and released.

Sailfish

In 1989, 2,103 sailfish were tagged and released. Recreational fishermen tagged and released 2,046. Commercial fishermen tagged 57 fish. As in past years, the east coast of Florida was the leading tagging area with 1,016 releases. Areas where more than 100 fish were tagged and released were: 332 off Cancun, Mexico, 253 off Venezuela, 234 off Cozumel, Mexico, 156 off the mid-Atlantic states (North Carolina to New Jersey). Tagging of sailfish was also conducted by program cooperators in the Gulf of Mexico, Bahamas, Puerto Rico, Virgin Islands, and the west coast of Africa.

There were 31 sailfish recaptures in 1989 (Table 1; Figure 1): 28 by recreational fishermen, 2 by commercial fishermen, and 1 where gear was unknown. Fifteen (15) were recaptures of

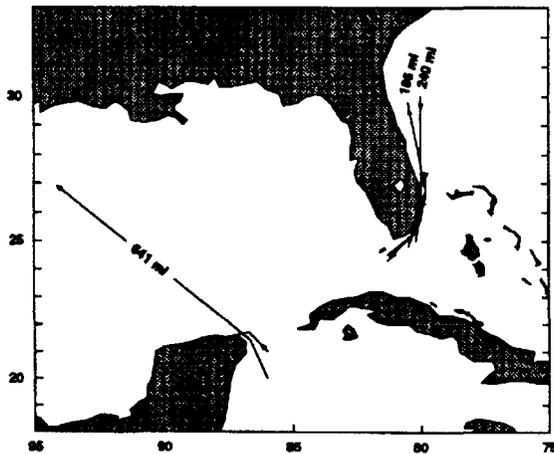


Figure 1: Straight-line travel distance of 1989 sailfish recaptures.

fish released off Palm Beach, Florida: 6 were recaptured in the same general area of release, 4 off the Florida Keys, 4 off Ft. Lauderdale, Florida, and 1 off St Augustine, Florida. There were 6 recaptures of sailfish released off the Florida Keys: 2 in the same area of release, 3 off the Palm Beach area, and 1 off Ft. Lauderdale. There were 5 recaptures of sailfish

released off Ft. Lauderdale: 1 in the area of release, 2 off the Florida Keys, and 1 each off Miami, Florida and Palm Beach. There was 1 recapture each of fish released in the following areas: Dakar, Senegal, recaptured in the same area; Belize, recovered in the Gulf of Mexico off the south Texas coast; Miami, recaptured off Palm Beach; Isla Mujeres, Mexico, recaptured in the same area of release; Venezuela, recaptured in the same area of release.

There were 5 recaptures from previous years reported in 1989: 2 recaptures from 1986 and 1987 that did not have release data; a 1984 release from the Gulf of Mexico, recaptured in the Gulf of Mexico; 2 releases from 1988, one released off Jupiter, Florida and recaptured off Miami, and one released off Juno, Florida, and recaptured near Islamorada.

Seventeen (17) sailfish were recaptured that had been at large for less than 1 year, 7 for 1-2 years, 6 for 2-3 years, and 1 for over 4 years (Figure 2). The longest distance traveled by a sailfish recaptured in 1989 was by a fish tagged and released and recaptured in the Gulf of Mexico, 641 miles from the release point.

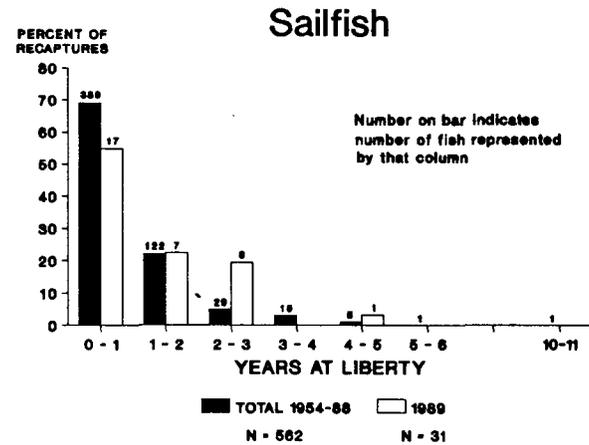


Figure 2: Percent of sailfish recaptures, 1954-88 and 1989.

White Marlin

There were 1,179 white marlin tagged and released in 1989. Recreational fishermen tagged 1,094 white marlin, commercial fishermen tagged 85. The leading tagging area was the mid-Atlantic states with 615 releases, followed by La Guaira, Venezuela, with 195 fish, 113 in the Gulf of Mexico, 51 off the east Florida coast, 44 off Cancun, 34 off St. Thomas, U.S. Virgin Islands, 35 in the Bahamas, 28 off Cozumel, 23 off Puerto Rico. Tagging was also conducted by program cooperators in: Hispaniola, off the northeastern coast of the United States, Bermuda, Jamaica, Cuba, west coast of Africa, and the western Atlantic (more than 100 miles offshore of the U.S. coast).

There were 11 white marlin recaptures reported in 1989 (Table 1; Figure 3). Eight were recaptured from releases off the mid-Atlantic states: 4 were recaptured in the same general area of release, 3 in the Gulf of Mexico, and 1 off the Bahamas.

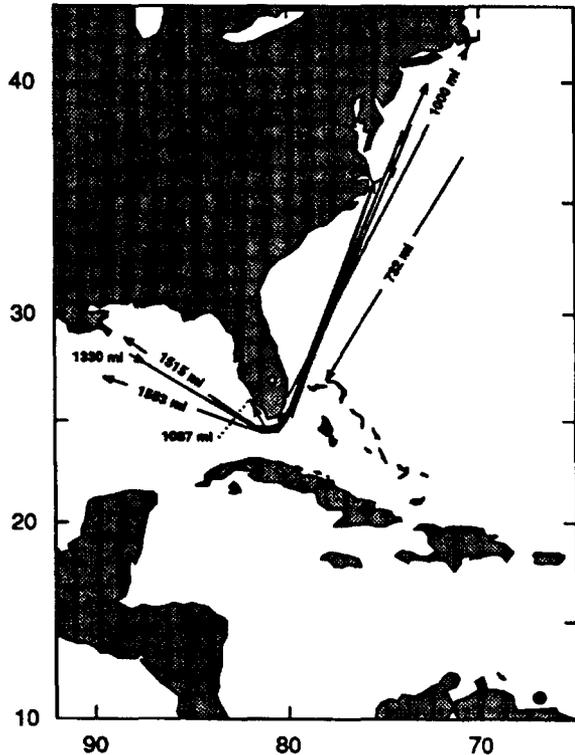


Figure 3: Straight-line travel distance of 1989 white marlin recaptures.

There were 2 recaptures from Florida east coast releases: 1 off Martha's Vineyard, Massachusetts, and 1 off the mid-Atlantic states. A white tagged and released off La Guaira was recaptured in the same area of release. There were 2 recaptures from 1988 and 1 from 1987 reported in 1989; only 1 recapture from 1988 had release data, a white released off Miami was recaptured off Cuba.

There were 5 white marlin at large for less than 1 year, 4 for 1-2 years, 1 for 4-5 years, and 1 for over 5 years (Figure 4). The longest distance traveled by a white marlin was from a release off the Mid-Atlantic Bight recaptured in the Gulf of Mexico, a distance of 1,608 miles (down the coast and around Florida).

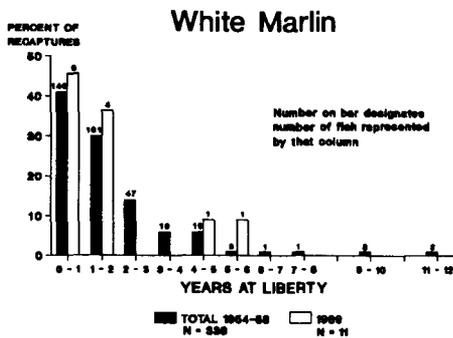


Figure 4: Percent of white marlin recaptures, 1954-88 and 1989.

Blue Marlin

There were 1,887 blue marlin tagged and released in 1989: 1,832 by recreational fishermen, and 55 by commercial fishermen. This is the third year in a row that a record has been set for the most blue marlin tagged in a single year. As in past years, it was due in part to the number of blue marlin tagged off St. Thomas, where 823 were tagged and released. Other areas of tagging were: 276 off Puerto Rico, 204 in the Gulf of Mexico, 141 in the Bahamas, 114 off the east coast of Florida, 105 off the west coast of Africa, and 77 off the northeastern coast of the United States. Additional areas where program cooperators tagged blue marlin were Cozumel and Cancun, Mexico, the Caribbean Sea, and the western Atlantic.

There were 11 blue marlin recaptures in 1989 (Table 1; Figure 5). Five of the recaptures were from blue marlin tagged and released off St. Thomas: 2 of the recaptures were from the

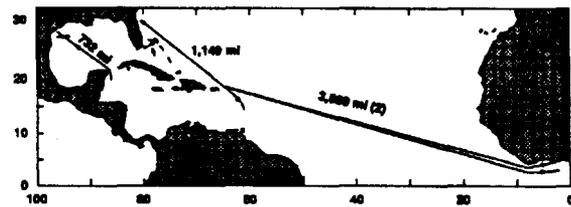


Figure 5: Straight-line travel distance of 1989 blue marlin recaptures.

Island of Guadeloupe, West Indies, 1 off the Florida east coast, and 2 fish made a transatlantic migration to the Gulf of Guinea, off the coast of Ghana, western Africa. Two blue marlin recaptures were from releases off the Bahamas: 1 was recaptured in the eastern Bahamas and the other off Miami Beach, Florida. Two blue marlin released in the Gulf of Mexico were recaptured in the Gulf of Mexico. A blue tagged and released at Horta Faial, Azores, was recaptured in the same area. A blue tagged and released at Cozumel, Mexico, was recaptured in the Gulf of Mexico.

There were 6 blue marlin at large for less than 1 year, 1 for 1-2 years, 1 for 2-3 years, 2 for 3-4 years, and 1 for over 7 years (Figure 6). The longest distance traveled by blue marlin

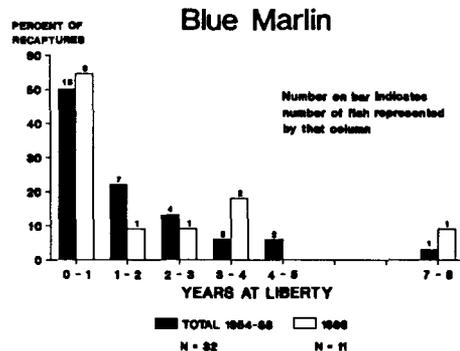


Figure 6: Percent of blue marlin recaptures, 1954-1988 and 1989.

One bluefin was at large for less than 1 year, for 1-2 years, 1 for 6-7 years, 2 for 8-9 years, 2 for 9-10 years, 1 for 11-12 years, and 1 for over 15 years which was the longest time at large for a bluefin in 1989 (Figure 10). The longest distance

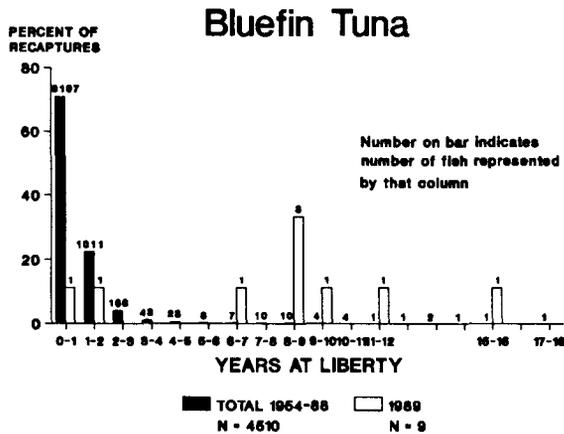


Figure 10: Percent of bluefin tuna recaptures, 1954-88 and 1989.

traveled by a bluefin recaptured in 1989 was from a release east of Virginia Beach, Virginia, recaptured near Malta in the Mediterranean Sea, a straight line distance of 5,380 miles.

Yellowfin Tuna

There were 296 yellowfin tuna tagged and released in 1989. Recreational fishermen tagged and released 284 fish, and commercial fishermen tagged and released 12 fish. The major tagging area was off the mid-Atlantic states where 212 yellowfin were tagged; 42 in the northern Gulf of Mexico, 17 off the Florida coast, 9 in the Bahamas, 9 off the northeastern United States. Other tagging areas were Bermuda, Virgin Islands, and the western north Atlantic.

There were 8 yellowfin tuna recaptures reported in 1989 (Table 1; Figure 11). There were 6 recaptures from mid-Atlantic releases: 4 were recaptured near their release points, and 2 made transatlantic migrations to the west coast of

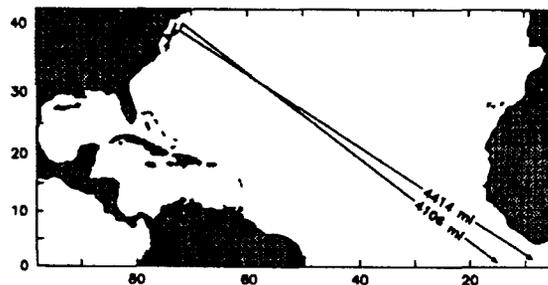


Figure 11: Straight-line travel distances of 1989 yellowfin tuna recaptures.

Africa, one traveling 4,414 miles in 836 days to an area 600 miles southwest of Liberia, and the other traveling 4,100 miles in 1,231 days and 821 miles southeast of Liberia. There were

2 recaptures of yellowfin released in the Gulf of Mexico and recaptured in the Gulf of Mexico.

There were 4 yellowfin at large for less than 1 year, 2 for 1-2 years, 1 for 2-3 years, and 1 for 3-4 years (Figure 12).

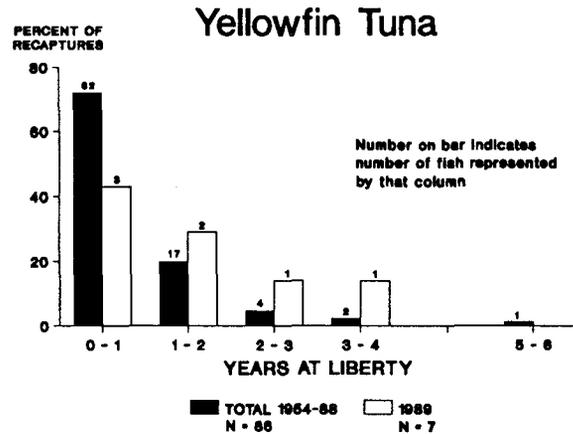


Figure 12: Percent of yellowfin tuna recaptures, 1954-88 and 1989.

Tarpon

There were 431 tarpon tagged and released in 1989. The majority of the releases were from the west coast of Florida where 231 tarpon were tagged and released; 117 were tagged and released in the Gulf of Mexico (primarily off the west coast of Florida), and 83 off the Florida east coast.

Eleven (11) tarpon recaptures were reported in 1989: 5 recaptures were from releases at Boca Grande, Florida: 2 were recaptured near the point of release, and 3 were recaptured off the west coast of Florida. There were 4 recaptures of fish released at Key West: 3 were recaptured in Key West, and 1 was recaptured off New Smyrna Beach, Florida.

Due to budget cuts we were forced to drop tarpon from our list of target species. Because of interest expressed by tarpon fishing enthusiasts and those concerned about the conservation of this species, we will continue to maintain the data base and provide our data for analysis. The distribution and purchasing of tags is now being managed by the Florida League of Anglers. They are attempting to provide tags to those who request them and are purchasing the tags with donations made to them by clubs and individuals. If you would like to assist them by tagging or by sending a donation please contact:

Florida League of Anglers
 c/o Norma Stopplebein
 P.O. Box 1109
 Sanibel, Florida 33957

Amberjack

Program cooperators tagged and released 210 amberjack in 1989. The leading tagging area was the south coast of Florida, with 72 fish tagged, followed by the north Florida coast with 46, 44 off the mid-Atlantic states, 43 off the Florida panhandle, and 5 tagged along the coast of Texas.

Ten (10) amberjack recaptures were reported in 1989. There were 3 recaptures from releases off the Florida panhandle: 2 were recaptured in the same area as released, 1 was recaptured in the Florida Keys. Amberjack from the follow areas were recaptured near the area of release: 2 off the Florida Keys, 2 off south Florida, 1 off the north Florida coast, and 1 off North Carolina. One amberjack recaptured off North Carolina did not have release information available.

All 10 amberjack recaptured in 1989 were at large for less than one year, the longest being 360 days for one of the south Florida coast recaptures. The longest distance traveled was nearly 600 miles, by an amberjack tagged and released near Miami and recaptured 100 days later off Panama City, Florida.

King Mackerel

King Mackerel and Red Drum were added as target species in 1986. In this report only the recreationally associated releases and recaptures will be discussed in detail--recaptures of fish released by scientists will be discussed in general. A report of scientific taggings will be released at a later date.

There were 268 king mackerel tagged and released in 1989 by recreational fishermen: 110 were tagged off Texas, 89 off the east coast of Florida, 39 in the northern Gulf of Mexico and 30 off North Carolina.

There were 138 recaptures of king mackerel tagged and released by scientific staff and recreational fishermen. Scientific staff tagged and released 131. Of these, ninety-three (93) recaptures were from releases off the Florida east coast: 87 were recaptured in the same area of release, 2 from the Florida Keys, 1 each from Georgia, North Carolina, Texas, and Louisiana. There were 15 recaptures from North Carolina releases: 10 in the same area of release, and 5 off the Florida east coast. There were 11 recaptures from the Florida panhandle releases: 8 in the same area of release, 2 off Texas, and 1 off Louisiana. There were 5 recaptures from Louisiana releases: 2 in the same area of release, and 3 from Texas. There were 5 recaptures from Texas releases: 4 in the same area of release, and 1 in the Florida panhandle. There was 1 recapture from each of the following areas: Florida Keys, recaptured off the east coast of Florida, and Mexico, recaptured off Louisiana.

Seven of the 138 recaptures were from recreational releases. Four of the recaptures had been tagged and released off the Florida Keys: 2 were recaptured near the point of release and 2 were recaptured off Palm Beach. There was one recapture from each of the following release areas: Port Aransas, Texas, recaptured at Freeport, Texas; Calcasieu Lake, Louisiana, recaptured in the same area; Miami Beach, Florida, recaptured at St. Joe Bay, Florida.

The longest time-at-large for a king mackerel was from a release off Grand Isle, Louisiana recaptured 2,370 days later off Galveston, Texas.

Red Drum

There were 963 red drum tagged by recreational fishermen in 1989. The majority of these (750) were tagged in the northern Gulf of Mexico, 207 off the east coast of Florida, and 6 off the coasts of North and South Carolina.

There were 23 red drum recaptures reported in 1989. Nine were from releases off Pensacola Pass, Florida, and were all recaptured in the same area of release; 9 released from South Pass, Louisiana were recaptured in the same area of release; 2 released at Boca Grande, Florida, were recaptured in the same area of release; 3 recaptures did not have release information available.

There were 47 recaptures of scientifically tagged and released red drum: 38 were from releases off the Florida Panhandle--all were recaptured in the same area of release; 7 were from Louisiana releases, 6 recaptured in the same area of release and 1 recaptured off the Texas coast. Two recaptures were from Texas releases and were recovered in the same area as released.

The longest time-at-large for a red drum was from a release off Timbalier Bay, Louisiana, and recaptured 946 days later off Grand Isle, Louisiana.

Bait Box

For 8 years we have examined the tagging data concerning the use of live bait and its possible effect on the mortality of sailfish. In 1981, we had data on 175 releases that provided information on bait use. By 1989, data providing information of bait use increased to 2,642 reports. During this period the use of live bait has shown a dramatic increase. This increase is probably due to improved reporting techniques. From 1981 to 1982, the recapture rate was greater for dead bait. In 1983, the recapture rate was the same for both baits, and for the period 1984-89, the recapture rates have been greater for live bait. This pattern continues to support our contention, based on tagging data, that there does not appear to be increased mortality of sailfish tagged and released using live bait compared to dead bait.

Tagging Awards

In 1989, the Cooperative Game Fish Tagging Program began a cooperative effort with AFTCO TAG/FLAG Tournament in the conservation of our marine fish resources. Several other tagging program also backed the program, including Fish Trackers, Gulf Coast Conservation Association Tag Program, and the South Carolina Marine Game Fish Tag Program. Anglers and Captains were able to compete for handsome trophies for those tagging the most of each of the nine designated species. The species covered in the tournament include albacore, bluefin tuna, yellowfin and bigeye (combined species), blue marlin, white marlin, sailfish, amberjack, and cobia. All species designated above had to be tagged and released in the Atlantic, Gulf of Mexico, or Caribbean Sea. Anglers and captains who tagged a designated number of the

listed species received an AFTCO Tag Flag award. The number for each species is listed as follows: albacore 5, amberjack 10, bigeye and yellowfin 5, bluefin 5, blue marlin 3, white marlin 5, sailfish 10, and cobia 10.

For further information about the AFTCO TAG/FLAG Tournament contact the Cooperative Game Fish Tagging Program or the AFTCO Manufacturing Co., 17351 Murphy Av., Irvine, CA 92714.

The winners of the individual trophies awarded to both anglers and captains tagging the most fish in the designated species are listed below:

SPECIES	CAPTAIN	ANGLER
Albacore Donated by:	Ben Tribken American Fishing Tackle Association	Jeff Merrill New York Sport Fishing Federation
Bluefin Donated by:	Dennis Merten International Game Fishing Association	James Ranno International Game Game Fishing Association
Bigeye and Yellowfin Donated by:	Walter Von Koppen American Fishing Tackle Association	David Bregman American Fishing Tackle Association
Blue Marlin Donated by:	Dan Timmons National Coalition for Marine Conservation	Rus Hensley National Coalition for Marine Conservation
White Marlin Donated by:	Luis Suarez The Billfish Foundation	Rus Hensley The Billfish Foundation
Sailfish Donated by:	Brad Simonds Sport Fishing Institute	Rus Hensley International Game Fishing Association
Amberjack Donated by:	Bill Mathews Atlantic Coastal Conservation Assoc.	Richard Wilcox The Florida Conservation Association
Cobia Donated by:	Joe Richard The Florida Conservation Association	Fred Anderson Atlantic Coastal Conservation Assoc.
King Mackerel Donated by:	David Cibulka Florida League of Anglers	—

The Angler of the Year was Rus Hensley; the trophy was sponsored by the AFTCO Manufacturing Company. The Cooperative Game Fish Tagging Program sponsors a trophy to the commercial captain who tags the most fish--the winner for 1989 was Captain Hank Halliger, the same captain who won the trophy in 1988.

The CGFTP extends its congratulations to the winning anglers, captains, and to the sponsoring organizations for their effort and cooperation in the conservation of our great natural resources.

Tagging Box

We began to acknowledge participants of the CGFTP in 1976. Program participants are acknowledged again this year (see Tables 2 and 3) for target species tagged and released in the Atlantic Ocean, Gulf of Mexico, and the Caribbean Sea. We cannot give participants credit for fish tagged and released unless we receive the tag-release cards. We send you acknowledgment cards as a check to ensure that we have received the release cards and to inform participants that we have received the tagging information. Please make sure your return addresses are correct and legible. Due to operational changes, tag acknowledgement cards will only be sent to the captains. If a name and address is not listed for a captain, acknowledgment cards will be sent to the anglers. If you want an acknowledgment card to be sent to both angler and captain, please note this in the remarks section on the release report card. If you do not receive an acknowledgement card, please inform us as soon as possible. The tag-release cards are occasionally lost in the mail, and if we can find out about the loss before too much time passes, there may be a possibility that we can work together and retrieve the lost data. We also think that it would be a good idea to keep a log of tagging information so that you can provide us with accurate information in case the tag release card is lost in the mail.

If you wish to tag fish in the Pacific Ocean or to tag fish not in our program, please contact the following:

Sharks - Atlantic Ocean
Cooperative Shark Tagging Program
Mr. Jack Casey
NOAA/NMFS
Northeast Fisheries Center
Narragansett Laboratory
P. O. Box 522A
Narragansett, RI 02882

Unrestricted Species (angler pays nominal fee for tags)
American Littoral Society Fish Tagging Program
American Littoral Society
NOAA/NMFS
Sandy Hook Laboratory
Highlands, NJ 02882

Billfishes - other Atlantic areas
International Commission for Conservation of
Atlantic Tunas
Principe de Vergara, 17 - 7
28001 Madrid SPAIN

Billfishes - Pacific Ocean
Cooperative Marine Game Fish Tagging Program
Mr. James L. Squire, Jr.
NOAA/NMFS
La Jolla Laboratory
P. O. Box 271
La Jolla, CA 92027

All Species Recognized by IGFA - Australia
New South Wales State Fisheries
Box N211
Grosvenor St. Post Office
Sydney, NSW 2000, Australia

Table 1. Tagged oceanic pelagic fishes recaptured during 1989 as part of the Cooperative Game Fish Tagging Program, National Marine Fisheries Service, Miami Laboratory. Methods of fishing are: rod and reel (R/R), longline (LL), purse seine (PS), handline (HL), harpoon (HAR), impoundment (IM), and gill net (GIL). Country abbreviations are: Canada (CA), Japan (JAP), Mexico (MX), United States (US), Dominican Republic (DR), Virgin Islands (VI), Cuba (CU), Puerto Rico (PR), Ghana (GH), Granada (GN), Bahamas (BA), Spain (SP), and Venezuela (VE).

Location and Release Date	Location and Recapture Date	Days at Large	Tagger Captain	Method	Finder Captain	Method
Sailfish						
Stuart, FL 1-2-89	Stuart, FL 1-2-89	0	Peggy Parker Bob Parker	R/R	Thad Hicks ---	R/R
Big Pine Key, FL 10-29-89	Ft. Lauderdale, FL 11-3-89	5	Patrick Kelly Frank Kirwin	R/R	Tom Stephens John Stephens	R/R
Ft. Lauderdale, FL 11-07-89	Hillsboro, FL 11-17-89	10	Dennis Martin Pete Luckenback	R/R	Stan Reuwer ---	R/R
Hobe Sound, FL 2-11-89	Key Largo, FL 2-27-89	16	Robert Frevert ---	R/R	William Martica Jerry Pohl	R/R
Dakar, Senegal 7-27-89	Dakar, Senegal 8-17-89	21	J. Claude Dufour B. Christian	R/R	Mousse Diop Samb ---	N/A
20°00'N, 86°00'W 5-22-89	26°55'N, 94°08'W 6-13-89	22	Kevin Deerman Kevin Deerman	R/R	Tuong Huynh ---	US LL
Ft. Lauderdale, FL 1-26-89	Miami, FL 2-21-89	26	Howard Blitslein Peter Fallon	R/R	Robert Tracy John B. Dudas	R/R
Islamorada, FL 2-6-89	Islamorada, FL 3-6-89	28	Steven A. Bohanan Clyde Upchurch	R/R	Don Gurgiolo ---	R/R
Key Largo, FL 3-3-89	Palm Beach, FL 4-15-89	43	Bert Iseminger Charles Griffis	R/R	Charles Bouchard Adrienne Sorg	R/R
Islamorada, FL 11-30-88	Stuart, FL 1-30-89	61	W. R. Hirni Bill Harbaugh	R/R	Larris Tolson ---	R/R
Boca Raton, FL 12-4-88	Key Largo, FL 2-22-89	80	Bill Hanifin Drew Anderson	R/R	Jerry Pohl ---	R/R
Islamorada, FL 12-11-88	Boynton Beach, FL 4-15-89	125	Lee Pender Bill Hartman	R/R	Dan Olson ---	US LL
Jupiter, FL 4-2-89	29°52'N, 80°28'W 11-4-89	216	Charles Bouchard ---	R/R	Ted Bozarth Bob Thousand	R/R
Miami, FL 4-22-88	Palm Beach, FL 1-14-89	267	Mike Wyden ---	R/R	John M. Forcum Rocky Harrison	R/R
Stuart, FL 12-25-88	Boca Raton, FL 11-18-89	328	Andrea Lake Boyd Myers	R/R	Gary Koback ---	R/R
Mayport, FL 8-3-88	Ft. Lauderdale, FL 7-1-89	332	Debra Scanlan Mike Scanlan	R/R	Bill Roberts ---	R/R

Sailfish (continued)

Hollywood, FL 12-4-88	Ft. Lauderdale, FL 11-18-89	349	Mike Leech ---	R/R	Nancy Cohen Bob Dowling	R/R
Juno, FL 3-16-88	Pompano Beach, FL 5-2-89	413	J. R. Jeck ---	R/R	Robert Lohmeyer Mary Strickland	R/R
St. Lucie, FL 12-11-87	Palm Beach, FL 1-31-89	417	J. E. Imhoff Charlie Waring	R/R	Uzelle Ellis ---	R/R
Pompano Beach, FL 12-22-87	Islamorada, FL 3-8-89	441	David Baggett ---	R/R	Don Gurgiolo ---	R/R
Ft. Lauderdale, FL 12-19-87	Key Largo, FL 3-5-89	442	Tom Zack ---	R/R	Amy Musia ---	R/R
Stuart, FL 8-29-87	Jupiter, FL 1-6-89	496	Beth Clark Lowell Clark	R/R	Michael Spivey ---	R/R
Delray Beach, FL 12-22-87	Hillsboro Inlet, FL 11-10-89	689	Brian Manchester ---	R/R	Dean Anderson Stan Reuwer	R/R
Stuart, FL 5-1-87	Key Largo, FL 4-1-89	700	Gloria Applegate Nelson Applegate	R/R	Billie Watson Matt Shunk	R/R
Juno Beach, FL 12-17-86	Ft. Lauderdale, FL 1-24-89	769	Tom Wood Peter Foley	R/R	Lindsay Forde ---	R/R
Boynton Beach, FL 2-14-87	Looe Key, FL 4-20-89	796	Arthur H. Lang ---	R/R	Bruce O'Grady ---	R/R
Islamorada, FL 11-28-86	Islamorada, FL 2-28-89	823	Al Norman John R. Hopwood	R/R	Tim Wright ---	R/R
Isla Mujeres, Mex. 5-12-87	Prt. El Cuyo, Yucatan 12-21-89	954	Bob Atlen Robert L. Kolb	R/R	Gilberto Pech ---	R/R
La Guaira, Venez. 10-28-86	La Guaira, Venez. 9-23-89	1061	Scott Storer ---	R/R	Eloy Penot ---	R/R
Jupiter, FL 1-24-87	St. Lucie, FL 12-29-89	1070	Allen Sitzle Eddie Herbert	R/R	Robert Franklin ---	R/R
Riviera Beach, FL 1-24-85	Hollywood, FL 3-21-89	1517	Sean Schaeffer Bill Hart	R/R	Bud Hollman Bill Robinson	R/R
No Release Information	Boca Raton, FL 1-4-86*	---	---	---	Ed Patenaude Jim Muhs	R/R
No Release Information	Islamorada, FL 12-11-87*	---	---	---	Dale E. Percy Steven Riley	R/R
Juno, FL 11-7-88	Islamorada, FL 11-17-88*	10	Charles Bouchard ---	R/R	Lee Robinson ---	US HL
South Pass, LA 6-23-83	26°40'N, 90°40'W 3-1-84*	251	Louis Freeman John Peters	R/R	---	US LL
Jupiter, FL 3-15-87	Miami, FL 2-28-88*	389	Bill Gamper ---	R/R	David Ross Brown ---	R/R

* = other years' recaptures reported in 1989

White Marlin

37°31'N, 74°07'W 10-16-88	39°52'N, 72°40'W 7-2-89	259	Wade Bailey ---	US LL	James Signorin ---	R/R
Hillsboro Bch, FL 12-7-88	Martha's V'yrd, MA 9-1-89	268	Sandra Storer Scott Storer	R/R	Gary K. Wetmore ---	R/R
Ocean City, MD 9-3-88	27°07'N, 89°32'W 6-20-89	290	Pat Fenwick Chet Rohrbach	R/R	Dao Van Hue ---	US LL
Norfolk Canyon 9-18-88	Naples, FL 7-24-89	309	Don Stratman Tim Lecky	R/R	Clinton Golden James Lando	R/R
La Guaira, Venez. 10-11-88	La Guaira, Venez. 8-20-89	313	Rus Hensley Dan Timmons	R/R	Aquiles Garcia ---	N/A
Oregon Inlet, NC 7-27-88	Virginia Beach, VA 8-5-89	374	Mary Leigh Harmony John Bayliss	R/R	Gene Meekins Earl Richardson	R/R
Ocean City, MD 8-8-88	28°52'N, 88°22'W 8-20-89	377	Brad Watkins Glen Munford	R/R	Tommy Austin ---	US LL
28°08'N, 88°08'W 7-3-88	Oregon Inlet, NC 8-29-89	422	W.F. Foster M. Pratte	R/R	Vernon Saunders ---	R/R
25°15'N, 79°51'W 4-25-88	Oregon Inlet, NC 8-26-89	488	Hank Halliger ---	US LL	Stuart C. Lee Bill Duval	R/R
36°57'N, 70°57'W 7-10-84	Walkers Cay, Bahamas 5-2-89	1757	NMFS Observer ---	JAP LL	Bruce Dorbeck Ted Porter	R/R
37°00'N, 74°30'W 7-12-84	36°07'N, 74°35'W 8-16-89	1861	Merrill B. Smith Tim Lecky	R/R	Robert Cox ---	R/R
No Release Information	Oregon Inlet, NC 7-31-87*	---	---	N/A	Mike Merritt ---	R/R
No Release Information	La Guaira, Venez. 1988*	---	---	N/A	Robert Greathouse ---	R/R
29°08'N, 87°14'W 9-7-88	Havana, Cuba 12-24-88*	108	Gregory Werhan ---	US LL	Louis Hernandez ---	N/A

* = other years' recaptures reported in 1989

Blue Marlin

St. Thomas, VI 8-25-89	15°55'N, 61°40'W 9-2-89	8	Brad Simonds ---	R/R	Juno Blondin ---	N/A
Horta Faial, Azores 9-2-89	Horta Faial, Azores 9-23-89	21	Luke Van Puyenbroeck Don Merten	R/R	(Vessel: Cecilia) ---	R/R
Corpus Christi, TX 6-3-89	27°20'N, 96°10'W 7-21-89	48	Roger Kertamus Gary Watson	R/R	John Saunders Rick Ogle	R/R
Cozumel, Mexico 5-19-89	Prt. O'Connor, TX 7-14-89	56	Tony Fraseone James Roberts	R/R	Bob Bird ---	R/R

Blue Marlin (continued)

St. Thomas, VI 9-14-89	Axim, Ghana 12-27-89	104	Rus Hensley Dan Timmons	R/R	Anthony Quaison ---	N/A
St. Thomas, VI 7-15-89	29°55'N, 80°20'W 12-6-89	144	Jim Hilibs John Sabonis	R/R	---	US LL
St. Thomas, VI 7-25-88	Basse Terre, Guadel. 9-16-89	418	Patty Motta Joe Motta	R/R	Francis Ricart ---	R/R
Bimini, Bahamas 3-25-87	Miami Beach, FL 8-9-89	868	Rus Hensley Dan Timmons	R/R	Larry Males ---	R/R
Treasure Cay, Bhms 7-21-86	25°12'N, 79°42'W 10-13-89	1180	Eric Reed Jimbo Barnes	R/R	Hank Halliger ---	US LL
Port Aransas, TX 10-12-85	27°08'N, 93°15'W 1-7-89	1183	Michael Gully R. H. Smith	R/R	Nho Le ---	US LL
St. Thomas, VI 7-16-81	Axim, Ghana 5-29-89	2874	Tommy Faust Arty Trager	R/R	Mallam Krakue ---	GH GIL
St. Thomas, VI 8-26-88	Pt. Noire, Guadel. 9-16-88*	21	Ed Windes ---	R/R	Harry Laugier ---	US HL

* = 1988 recapture reported in 1989

Swordfish

40°23'N, 66°56'W 12-7-88	42°50'N, 63°00'W 10-12-89	309	NMFS Observer ---	JAP LL	George Hopkins ---	CA LL
25°31'N, 79°53'W 7-23-88	31°37'N, 79°12'W 7-14-89	356	Rick Halliger ---	US LL	'Don Ryhnn ---	US LL
26°45'N, 79°37'W 6-21-88	31°12'N, 78°31'W 8-17-89	422	Rick Ross ---	US LL	Chris Coats ---	US LL
40°25'N, 66°54'W 12-10-87	20°33'N, 72°37'W 4-20-89	496	NMFS Observer ---	JAP LL	Ric Krantz ---	US LL
39°12'N, 69°35'W 11-7-87	40°18'N, 67°57'W 8-1-89	633	NMFS Observer ---	JAP LL	Jim Thayer ---	US GIL
39°29'N, 68°25'W 9-25-87	40°45'N, 66°41'W 8-10-89	685	NMFS Observer ---	JAP LL	Jim Thayer ---	US GIL
40°28'N, 67°14'W 12-7-86	41°33'N, 66°11'W 7-24-89	960	NMFS Observer ---	JAP LL	Arley Wickens ---	CA HAR
39°23'N, 67°01'W 11-3-86	41°51'N, 65°08'W 8-13-89	1014	NMFS Observer ---	JAP LL	G. W. Donaldson ---	CA LL
39°45'N, 68°53'W 7-17-86	40°20'N, 68°10'W 9-1-89	1142	NMFS Observer ---	JAP LL	Fred Mattera ---	US GIL
39°40'N, 71°00'W 9-6-85	40°44'N, 66°40'W 8-10-89	1434	James Hardee ---	US LL	Jim Thayer ---	US GIL
33°00'N, 76°00'W 5-5-83	41°33'N, 66°11'W 7-6-89	2254	Louis Paskas, Jr ---	US LL	G. W. Donaldson ---	CA HL

Bluefin Tuna

SE of Fire Island 10-20-88	38°04'N, 74°46'W 7-18-89	271	A. Angelo ---	R/R	Mark Samson ---	R/R
Montauk, NY 8-11-88	39°52'N, 72°40'W 10-1-89	431	John DeMarco Pete Fisher	R/R	Bruce Weisinger ---	R/R
Montauk, NY 10-5-83	Cape Cod, MA 10-16-89	2203	Frank Mather Alan Anderson	R/R	Richard Topham ---	US HL
36°32'N, 75°19'W 6-21-81	40°00'N, 68°29'W 8-28-89	2990	Scientific Staff ---	US PS	Edmund Avila ---	US PS
36°32'N, 75°19'W 6-21-81	41°00'N, 69°00'W 9-2-89	2995	Scientific Staff ---	US PS	Mike Genovese ---	US PS
36°28'N, 75°40'W 6-22-80	35°05'N, 14°00'E 5-30-89	3264	Scientific Staff ---	US PS	Joseph Grech ---	N/A
36°29'N, 75°45'W 6-21-81	41°15'N, 69°15'W 9-14-89	3372	Scientific Staff ---	US PS	Sal Ingrande ---	US PS
41°00'N, 71°22'W 8-22-78	45°40'N, 42°05'W 9-17-89	4045	Scientific Staff ---	US PS	James Meade ---	CA HL
39°59'N, 73° 39'W 7-16-74	41°32'N, 69°40'W 8-16-89	5509	Scientific Staff ---	US PS	Laura Mason ---	US HAR
Montauk, NY 8-17-86	40°24'N, 66°39'W 12-8-88*	843	Robert J. Andris L. Lambrecht	R/R	Harry Upton ---	JAP LL

* = 1988 recapture reported in 1989

Yellowfin Tuna

38°00'N, 74°00'W 6-30-89	Ocean City, MD 9-17-89	79	Robert Brooks J. B. Brooks	R/R	Brian Porter ---	R/R
Wilmington Canyon 7-20-89	Hudson Canyon 10-24-89	96	Tommy Baldwin ---	R/R	G. Abrahamson ---	R/R
27°50'N, 91°40'W 7-28-88	27°23'N, 94°39'W 1-27-89	183	Glenn Giaey Allen Gallo	R/R	Hung Van Nguyen ---	US LL
Hudson Canyon 10-1-88	39°55'N, 71°29'W 9-2-89	336	Len Walsh Ed Dunn	R/R	Mike Finazzo ---	R/R
Grande Isle, LA 5-7-88	27°05'N, 93°28'W 7-8-89	427	Chip Young ---	R/R	Danny Truong ---	US LL
36°08'N, 74°31'W 10-3-87	39°52'N, 72°40'W 6-24-89	569	James Mears ---	US LL	Bob Hoste ---	R/R
Hudson Canyon 9-20-86	1°35'N, 8°40'W 1-3-89	836	Skip Kane Pete Barrett	R/R	F. X. Bard ---	SP PS
39°58'N, 71°24'W 7-15-86	00°59'N, 15°09'W 11-27-89	1231	Robin Lehman ---	R/R	F. X. Bard ---	SP PS

Table 2. Captains who made outstanding contributions to CGFTP in 1989 by assisting in the tagging of 10 or more blue marlin (BM), white marlin (WM), sailfish (SF), tunas (TN), and swordfish (SW). Angler column signifies fish tagged by captains while fishing as anglers and they are included in the total.

Captains	Species					Total	Tagged as Angler
	BM	WM	SF	SW	TN		
Dan Timmons	60	33	118	0	0	211	0
Brad Simonds	42	9	132	0	0	183	0
Luis Suarez	16	95	57	0	0	168	0
Hank Halliger	17	13	30	34	13	107	1
Fred Riffe	1	28	49	0	0	78	7
John Bayliss	2	45	0	0	28	75	0
Robt Dehart	19	20	28	0	0	67	0
Benazeth Christian	0	0	66	0	0	66	2
Randy Jendersee	40	3	22	0	0	65	1
Bob Grant	63	0	0	0	0	63	0
Luis Millan	4	10	49	0	0	63	0
Scott Walker	0	6	56	0	0	62	5
Tim McDonough	7	9	15	23	3	57	5
Luis Brau	40	9	7	0	0	56	0
O B Vernon O'Bryan	42	7	1	0	0	50	2
Al Nelson	25	1	22	0	0	48	0
Wooda G Wheeler	6	7	35	0	0	48	0
Robert Killey	44	3	0	0	0	47	1
Mike Merritt	2	38	0	0	6	46	3
James Roberts	4	8	33	0	0	45	0
Casey Shea	45	0	0	0	0	45	0
Walter Van Koppen	0	3	0	0	41	44	0
Donald Merten	40	3	0	0	0	43	0
John Sabonis	43	0	0	0	0	43	5
Robert Walters	1	2	37	0	0	40	0
Mike Benitez	35	4	0	0	0	39	12
Rick Ross	4	27	2	5	1	39	0
Kevin Deerman	1	7	29	0	0	37	0
Joseph "Spike" Herbert	28	5	3	0	0	36	1
Finn Crutch	32	1	0	0	0	33	1
Mike Lemon	26	2	2	0	0	30	0
Jay Berman	1	3	5	0	20	29	4
Lee Alonzo	28	0	0	0	0	28	5
Pete Barrett	0	1	0	0	25	26	0
Ben Tribken	0	2	0	0	24	26	0
J Barlia	20	5	0	0	0	25	3
Allen De Silva	19	6	0	0	0	25	0
Bill Borer	23	1	0	0	0	24	0
Guy McClave	0	1	1	22	0	24	1
Charles Brown	1	20	2	0	0	23	0
G Landi	0	13	10	0	0	23	2
Gregory Werhan	2	11	3	7	0	23	0
Timothy J Hyde	0	11	10	0	1	22	0
Chet Rohrbach	0	22	0	0	0	22	0
John Skubal	21	1	0	0	0	22	0
Bill Noll	0	0	21	0	0	21	0
Bryunner Parks	1	14	1	0	5	21	0
Dean Adler	15	0	5	0	0	20	7
Tim Johnston	7	11	0	2	0	20	0
Phil Tedder	20	0	0	0	0	20	0
Mark E. Hill	1	14	4	0	0	19	0
Charles Ladnier	2	1	0	0	16	19	1
Dennis Merten	1	0	9	0	9	19	4

Table 2 (continued)

Captains	Species					Total	Tagged as Angler
	BM	WM	SF	SW	TN		
Daniel Shawhan	0	0	0	13	6	19	0
Don Hamilton	16	1	1	0	0	18	0
Joe Motta	17	0	1	0	0	18	5
Mike Patrick	2	1	15	0	0	18	1
Ken Pontari	0	0	18	0	0	18	1
Steven Forman	0	2	1	14	0	17	0
Al Johnston IV	10	1	2	4	0	17	0
Ron Rhoades	0	2	15	0	0	17	1
F E Bubba Gaston	2	0	14	0	0	16	0
Victor Gonzalez	16	0	0	0	0	16	0
Paul Ivey	16	0	0	0	0	16	0
Mike McClamrock	15	1	0	0	0	16	0
Mark Montoya	15	1	0	0	0	16	0
Harry Hall	15	0	0	0	0	15	0
Rodman Leas	1	0	12	0	2	15	2
Timothy B Lecky	2	13	0	0	0	15	0
Allan P Paschall	0	13	2	0	0	15	0
Don Speicher	1	8	6	0	0	15	7
Carlos Hernandez	0	4	10	0	0	14	0
J Oriach R	0	9	5	0	0	14	0
Steve Smith	5	3	6	0	0	14	1
John Stranz	1	1	0	8	4	14	0
Jay Weed	2	0	12	0	0	14	0
Bob Croswait	1	12	0	0	0	13	0
Tim Day	4	5	2	0	2	13	0
Rich Mazol	2	8	0	0	3	13	3
Al Petrosky	12	1	0	0	0	13	0
Michael Smith	0	2	11	0	0	13	6
John Stack	0	0	0	0	13	13	2
Richard Stiers	13	0	0	0	0	13	0
Bruce Taymore	0	0	0	0	13	13	3
Oscar Acevedo Young	5	1	7	0	0	13	1
Michael Leech	0	0	12	0	0	12	2
Juan Tito Martinez	10	1	1	0	0	12	1
Alex Wood	2	7	3	0	0	12	0
Bob Zales II	0	2	0	0	10	12	0
Brian Bennett	1	5	5	0	0	11	2
Mark Magouirk	9	0	2	0	0	11	0
Jeff Roberts	0	0	11	0	0	11	5
Butch M Standeven	5	0	5	0	1	11	0
Robert Vlcek	0	11	0	0	0	11	0
Keith R Winter	1	2	0	0	8	11	3
Carlos Alemany	10	0	0	0	0	10	3
Frank Angelini	0	0	0	0	10	10	4
Robert Frevert	0	0	10	0	0	10	5
Bill Gamper	2	0	8	0	0	10	0
Jim Garrity	4	2	4	0	0	10	0
Bud Gramer	5	1	4	0	0	10	1
Don Griffin	0	6	4	0	0	10	0
Ron Katz	3	0	6	1	0	10	0
Andrew D Morris	2	8	0	0	0	10	0
John Jim O'Brien	0	0	0	0	10	10	5
Louis Pilotti	10	0	0	0	0	10	0
Dave Purdo	0	0	10	0	0	10	0
Dan Stephano	0	8	0	0	2	10	3
Casey Wagner	1	7	2	0	0	10	0

Table 3. Anglers who made outstanding contributions to CGFTP in 1989 by assisting in the tagging of 10 or more blue marlin (BM), white marlin (WM), sailfish (SF), tunas (TN), and swordfish (SW). Captain column signifies fish tagged by anglers while fishing as captains and they are included in the total.

Anglers	Species					Total	Tagged as Captain
	BM	WM	SF	SW	TN		
Rus Hensley	55	28	114	0	0	197	0
Charles E. Bouchard	1	9	68	0	0	78	25
Katie Riffe	0	19	35	0	0	54	0
David Bregman	0	3	0	0	41	44	0
Matthew Antell	37	0	0	0	0	37	0
John Ted Snipes	22	3	3	0	0	28	12
Odile Robelin	0	0	21	0	0	21	0
Rob Constantineau	0	0	20	0	0	20	2
Roland Dixon	8	1	8	0	0	17	0
J Richard Jeck	3	0	14	0	0	17	0
Page Robertson	1	10	1	0	5	17	0
Sylvia Azqueta	16	0	0	0	0	16	0
Drew Brookman	0	0	0	0	15	15	5
Pat Fenwick	0	15	0	0	0	15	0
Edward Gayton	15	0	0	0	0	15	0
Jack Christison	6	0	8	0	0	14	0
Phil Uchitel	0	2	12	0	0	14	0
Chuck Birge	0	0	13	0	0	13	0
Patrick Nicole	0	0	13	0	0	13	1
Rich Barrett	0	0	0	0	12	12	0
Mel Immergut	8	0	1	0	3	12	0
Jim Lowney	0	9	3	0	0	12	0
Frank Tatum Jr	1	0	0	0	11	12	0
F Thomas Westcott	5	2	5	0	0	12	5
Jim Busby	0	0	11	0	0	11	0
Jimmy David	0	0	11	0	0	11	3
Rick Eisenacher	0	6	5	0	0	11	1
Lawrence H Furman	0	11	0	0	0	11	0
Miguel Hernandez	11	0	0	0	0	11	0
James Ranno	0	1	0	0	10	11	0
Jim Royder	11	0	0	0	0	11	0
Mike Dew	0	0	10	0	0	10	0
Jim Edmiston	10	0	0	0	0	10	3
Edgar Figueroa	10	0	0	0	0	10	2
Roger Krekelberg	0	0	10	0	0	10	0
Paul D Motta	5	0	5	0	0	10	1
Hal Prewitt	10	0	0	0	0	10	0
W Schmolling	0	9	1	0	0	10	0
Joe Shaab	2	2	0	0	6	10	0
Alex Slendak	0	0	10	0	0	10	0
Phillipe Sleurs	0	0	10	0	0	10	0
Adrienne Sorg	1	0	9	0	0	10	2
William Spolar	9	1	0	0	0	10	1
Jonathan Steiner	0	9	1	0	0	10	0