

# A Summary of Fish Tagging in Texas Bays: 1975-1990

by  
B. G. Bowling

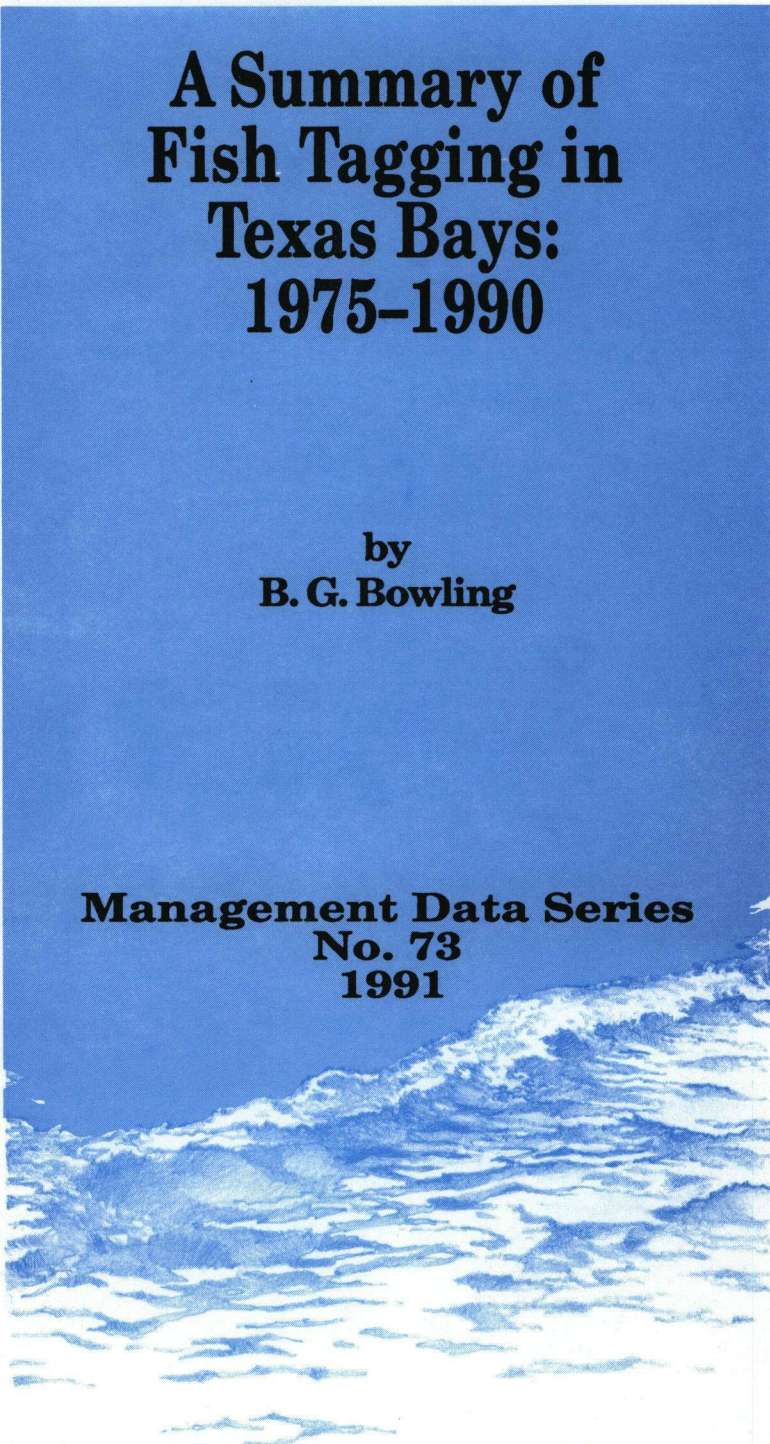
Management Data Series  
No. 73  
1991



TEXAS  
PARKS & WILDLIFE  
DEPARTMENT

FISHERIES & WILDLIFE  
DIVISION

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## ABSTRACT

During November 1975-December 1990, 85,144 fish (47 species) were tagged in Texas marine waters. Red drum (Sciaenops ocellatus) constituted 33% and spotted seatrout (Cynoscion nebulosus) and black drum (Pogonias cromis) each constituted 23% of the total tagged, respectively. Overall, 8% of all fishes tagged were returned; red drum had the highest return rate of 15%. Of 6,747 tagged fish returned, 73% were by sport fishermen, 21% were by commercial fishermen and 4% were by Texas Parks and Wildlife Department personnel. Of all tags returned, 83% came from the same bay system where the fishes were tagged. Total monetary rewards paid for returned tags to date are \$13,392.

## INTRODUCTION

Fish tagging on the Texas coast began in 1950 as a cooperative study between the Copano Research Foundation and the Texas Game, Fish and Oyster Commission (Simmons and Breuer 1982, Green 1986). These early tagging efforts were limited almost exclusively to Matagorda Bay southward. Important food and game fishes were marked with monel jaw tags, Peterson disc tags or floy tags and internal abdominal anchor tags with attached streamers. Nearly 74,000 fish were tagged and released between April 1950 and October 1975. Of these, 3,386 tags were returned (Green 1986). In November 1975, the Texas Parks and Wildlife Department (TPWD) expanded and intensified fish tagging efforts in seven bay systems (Figure 1) on the Texas coast (Marwitz 1986). Tagging efforts were initiated in East Matagorda Bay in October 1976. Sabine Lake was added on a routine basis in January 1986. Cedar Lakes, adjacent to the Galveston Bay system, was added in August 1988.

The objectives of the ongoing tagging program are to obtain data needed to estimate movement, growth, mortality and population size of finfishes. Red drum (Sciaenops ocellatus), spotted seatrout (Cynoscion nebulosus), black drum (Pogonias cromis), sheepshead (Archosargus probatocephalus), southern flounder (Paralichthys lethostigma), and gulf flounder (P. albigutta) were primary species tagged.

The present report summarizes fish tagging and tagged fish returns from November 1975 through December 1990. Differences in this report compared to previous reports are due to updating of the data base; the most recent report should be considered the most accurate.

## MATERIALS AND METHODS

The majority of tagged fish were collected from Sabine Lake, Galveston, East Matagorda, Matagorda, San Antonio, Aransas, Corpus Christi, upper and lower Laguna Madre bay systems during November 1975 through December 1990. Fish for tagging were obtained during TPWD routine and special sampling with rods and reels, gill nets, trammel nets, bag seines, beach seines, shrimp trawls, trotlines (Matlock and Weaver 1979, Hegen et al. 1984, McEachron and Green 1985, Meador et al. 1988, Dailey et al. 1988), longlines and fish traps (TPWD unpublished data). Some stocked hatchery fish (Dailey 1988) and fish captured by electrofishing (TPWD unpublished data) were also tagged prior to being released into Texas bays. Uniquely numbered internal abdominal anchor tags with external streamers were surgically inserted into a fish's abdominal cavity. Only fish judged to be healthy were tagged using the technique described by Moffett (1961). Date and location of release and length of each fish were recorded; individual weight was recorded until June 1981. Tags were made of semi-hard glossy blue, green or red-orange plastic (25.4 x 6.4 x 0.8 mm or 14.3 x 4.8 x 0.8 mm) with round corners; since 1982 only red-orange tags have been used. Bright yellow flexible plastic hollow tubing (about 50 mm long; O.D. = 2.1 mm; I.D. = 1.0 mm) extended from a single hole in the center of each tag. "Texas PWD, Rockport" or "Texas PWD Seabrook" was printed on each tag; since 1982 only "Texas PWD, Rockport" tags have been used.

Posters were placed in commercial fish houses, at recreational access points, in sporting goods stores and on fishing piers to publicize the tagging program. Information on the tagging program was presented on radio and television stations in cities adjacent to each bay system as well as in newspapers throughout Texas and in the TPWD magazine. Each fisherman reporting a recaptured tagged fish was categorized as sport (did not sell fish), commercial (sold fish), or TPWD personnel (caught fish while performing official duties). If a tag was returned during a TPWD routine creel survey, it was categorized as sport/survey (turned in during sport fisheries survey), commercial/survey (turned in during commercial fisheries survey) or unknown (information not available). For every 100 tags released, there were two preselected \$25 rewards, five \$10 rewards, five \$5 rewards and 88 \$1 rewards. Rewards were paid by the National Marine Fisheries Service (NMFS) until November 1978 and by the Gulf Coast Conservation Association (GCCA) since December 1978. A reward was paid for each tag returned by a fisherman regardless of information given.

## RESULTS

In Texas marine waters, 85,144 fish (47 species) were tagged from November 1975 through December 1990 (Tables 1 and 2). Red drum constituted 33% and spotted seatrout and black drum each constituted 23% of the total fish tagged. An average 5,609 fish were tagged annually, exclusive of 1975 (an incomplete year); annual number tagged ranged from 3,111 in 1984 to 10,222 in 1987. Total number of tagged fish released in each bay ranged from 909 in Sabine Lake to 23,412 in Galveston Bay. In the Gulf of Mexico, 859 fish were tagged.

Of all gears used to capture fish for tagging, gill nets caught 41%, rods and reels caught 25% and trammel nets caught 19% of all fish tagged (Table 3). Other gears were used infrequently.

Of 6,747 tags returned to TPWD, sport fishermen returned 73%, commercial fishermen returned 21% and TPWD personnel returned 4% (Table 4). In 1990, commercial fishermen returns were 2% compared to 89% from sportfishermen and 6% from TPWD personnel. Mean number of tags returned/year, excluding 1975, was 449. The year with the most returns was 1980 with 822 tags returned; 1990 had the least returns with 130 tags returned (Tables 4 and 5).

Based on returned tags, 83% were returned from the same bay system in which the fish were tagged (Table 5). Of all red drum returned, 85% were recovered from the same bay as released. Intrabay recovery rates for spotted seatrout, black drum, sheepshead, southern flounder and gulf flounder were 84%, 77%, 62%, 79% and 88%, respectively. Movement of tagged fish from the original bay in which they were tagged was either into other bay systems (7%), into the Texas Territorial Sea (TTS) (5%) or into waters outside the TTS (<1%); 5% of the returns were not identifiable as to location of capture.

Overall, 8% of all fish tagged were returned. Red drum had highest return rate with 15% followed by spotted seatrout with 7%, southern flounder with 6%, black drum with 5% and gulf flounder and sheepshead with 3%.

Total monetary rewards paid for returned tags were \$13,392 (Table 6). There were 5,732 \$1 rewards, 299 \$5 rewards, 294 \$10 rewards and 129 \$25 rewards. Mean annual reward payment, excluding 1975, was \$892; the greatest amount was paid in 1980 (\$1,767) and the least amount in 1990 (\$217).

#### DISCUSSION

The 15% recovery rate for red drum exceeded the 12% reported by Matlock and Weaver (1979) and the 6-13% reported by Simmons and Breuer (1962); it was lower than the 20% reported by Marwitz (1986) and the 35-46% reported from Florida tagging programs conducted during 1962-1964 (Beaumariage 1964, Beaumariage and Wittich 1966). The 7% spotted seatrout recovery rate was similar to that reported by Marwitz (1986) and was lower than the 9% reported by Vogelbein and Overstreet (1987), 9% reported by McEachron and Matlock (1980) and the 16% reported in Florida by Beaumariage (1964). The 5% black drum recovery rate is higher than the 3% reported by Matlock and Weaver (1979) and the 0-4% rate reported by Simmons and Breuer (1962) but is lower than the 7% reported by Marwitz (1986). Recovery rates of 25-49% (Beaumariage 1964, Beaumariage and Wittich 1966) from the 1962-1964 Florida tagging program exceed Texas rates. The 3% recovery rate for sheepshead was similar to that reported by Marwitz (1986) and Matlock and Weaver (1979). The 6% recovery rate for southern flounder was between the 8% reported by Marwitz (1986) and the 4% reported by Matlock and Weaver (1979). The 3% recovery rate for gulf flounder was slightly lower than that reported by Marwitz (1986); it was lower than the 9% reported by Matlock and Weaver (1979). Recovery rates for all species were similar to rates reported by Marwitz (1989).

The high Florida recovery rates may have been influenced by extensive publicity and payment of high monetary rewards (Matlock and Weaver 1979). When rewards as high as \$10,000 were offered to Florida anglers, they returned over 50% of the tagged red drum released (Beaumariage 1969). Excessive rewards may result in biased estimates of exploitation rates or population sizes if anglers actively seek tagged fish or have privileged knowledge of when and where fish were released (Matlock 1981).

Rawston (1971) and Matlock (1981) reported monetary rewards increase reporting rates. Rewards paid by the NMFS and GCCA probably enhanced recovery rates. Visibility of tags is important to fishermen reporting recaptured tagged fish (Green and Matlock 1983). They found angler reporting rates in Texas were 35% for red drum, 33% for spotted seatrout, 17% for black drum, 15% for sheepshead and 31% for flounder. Interviews with anglers that returned tags revealed 50% knew a reward would be paid (Matlock 1981), but 78% of the anglers who had not returned "surreptitiously implanted" tags reported they did not find tags. These results suggest recovery rates could be increased by offering higher rewards, increasing public awareness and by making tags more visible (Matlock 1981).

Few tags are returned by commercial fishermen. Beginning in 1979, the recovery rate from commercial fishermen began declining. The decline may be attributed to commercial fishermen opposition to state laws and Texas Parks

and Wildlife Commission regulations restricting commercial fishing activities. Statutory and regulatory changes that may have contributed to the decline in recovery rates were the prohibition of the use of nets and trotlines on weekends during 1977, the requirement of reporting individual commercial finfish fishermen harvest during 1978, the establishment of commercial red drum harvest quotas (Anonymous 1979, 1981), the prohibition of sale of native red drum and spotted seatrout (Anonymous 1983) and the prohibition of netting on Texas coastal waters (Anonymous 1989). Commercial fishermen have stated at public hearings and during TPWD commercial surveys that they would no longer return TPWD fish tags as a protest to the regulations (Marwitz 1986).

Most recaptured fish are caught in the bay in which they were tagged. This corresponds to previous findings (Matlock and Weaver 1979, Osburn et al. 1982, Osburn and Matlock 1984, Marwitz 1986, 1989). This is important for management. Bay specific size and bag limits may be appropriate for selected species. Additionally, the stocking of genetically different populations of the same species can be done discretely to protect the integrity of previously existing gene pools. For fishery managers, it can be reassuring to know that a genetically different stocked fish will generally remain in a defined stocking area in order to determine stocking effects.

Tagging results presented in this report can be used to determine growth, mortality and population size, as well as to further define species movement and to improve the efficiency of the TPWD tagging program. Annual updates are needed to assess changes in finfish populations in Texas.



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Figure 1. Nine major Texas bay systems in which tagging occurred during November 1975 through December 1990.

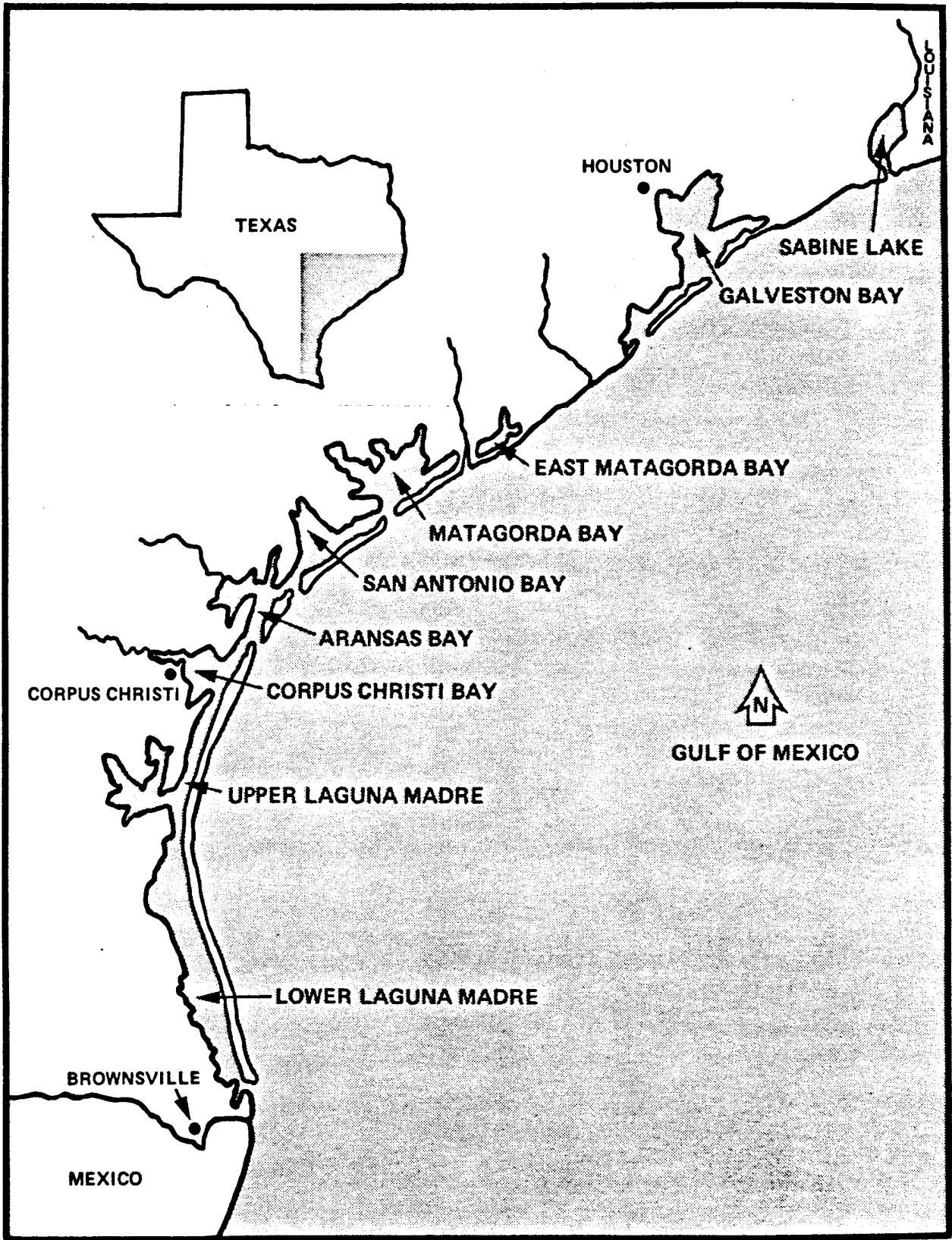


Table 1. List of common and scientific names of species tagged in Texas bays during November 1975-December 1989<sup>a</sup>.

<u>Common name</u>	<u>Scientific name</u>
Alligator gar	<u>Lepisosteus spatula</u>
Atlantic croaker	<u>Micropogonias undulatus</u>
Atlantic spadefish	<u>Chaetodipterus faber</u>
Black drum	<u>Pogonias cromis</u>
Blacktip shark	<u>Carcharhinus limbatus</u>
Blue catfish	<u>Ictalurus furcatus</u>
Bluefish	<u>Pomatomus saltatrix</u>
Bonnethead	<u>Sphyrna tiburo</u>
Common snook	<u>Centropomus undecimalis</u>
Cravelle jack	<u>Caranx hippos</u>
Crested cusk-eel	<u>Ophidion welsbi</u>
Fat snook	<u>Centropomus parallelus</u>
Flathead catfish	<u>Pylodictus olivaris</u>
Florida pompano	<u>Trachinotus carolinus</u>
Fringed flounder	<u>Etropus crossotus</u>
Hardhead catfish	<u>Arius felis</u>
Gafftopsail catfish	<u>Bagre marinus</u>
Gizzard shad	<u>Dorosoma cepedianum</u>
Greater amberjack	<u>Seriola dumerili</u>
Gulf flounder	<u>Paralichthys albigutta</u>
Gulf kingfish	<u>Menticirrhus littoralis</u>
Gulf menhaden	<u>Brevoortia patronus</u>
Ladyfish	<u>Elops saurus</u>
Lane snapper	<u>Lutjanus synagris</u>
Largemouth bass	<u>Micropterus salmoides</u>
Lemon shark	<u>Negaprion brevirostris</u>
Ocellated flounder	<u>Ancylopsetta quadrocellata</u>
Palometa	<u>Trachinotus goodei</u>
Pigfish	<u>Orthopristis chrysoptera</u>
Pinfish	<u>Lagodon rhomboides</u>
Red drum	<u>Sciaenops ocellatus</u>
Red snapper	<u>Lutjanus campechanus</u>
Sand seatrout	<u>Cynoscion arenarius</u>
Sheepshead	<u>Archosargus probatocephalus</u>
Smallmouth buffalo	<u>Ictiobus bubalus</u>
Southern flounder	<u>Paralichthys lethostigma</u>
Southern kingfish	<u>Menticirrhus americanus</u>
Southern stingray	<u>Dasyatis americana</u>
Spot	<u>Leiostomus xanthurus</u>
Spotted gar	<u>Lepisosteus oculatus</u>
Spotted seatrout	<u>Cynoscion nebulosus</u>
Striped bass	<u>Morone saxatilis</u>
Striped mullet	<u>Mugil cephalus</u>
Tarpon	<u>Megalops atlanticus</u>
Tripletail	<u>Lobotes surinamensis</u>
White bass	<u>Morone chrysops</u>
Yellow bass	<u>Morone mississippiensis</u>

<sup>a</sup>Common and scientific names provided by Robins et al. (1980).

Table 2. Number of fishes tagged with internal abdominal anchor tags for each calendar year during November 1975-December 1990. Only years where fish were tagged are listed.

Bay/area	Year	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other species	All species
Sabine Lake	1975	5	0	2	0	0	0	0	7
	1976	5	0	8	0	0	0	0	13
	1986	105	17	150	0	36	0	4 <sup>a</sup>	312
	1987	92	5	90	0	36	0	1 <sup>b</sup>	208
	1988	77	4	51	6	4	0	3 <sup>c</sup>	145
	1989	79	1	50	3	5	0	0	138
	1990	61	0	19	3	3	0	0	86
	1975	80	0	47	8	2	0	0	137
	1976	246	572	332	27	47	0	60 <sup>d</sup>	1,284
	1977	152	65	192	13	41	0	0	463
1978	287	132	282	68	58	1	0	828	
1979	260	227	173	37	33	1	0	731	
1980	241	803	11	17	19	0	0	1,091	
1981	126	762	109	25	14	0	0	1,036	
1982	210	869	43	11	5	0	0	1,138	
1983	1,513	697	94	11	3	0	8 <sup>a</sup>	2,326	
1984	860	301	141	34	36	0	5 <sup>a</sup>	1,377	
1985	1,423	301	218	20	47	0	40 <sup>e</sup>	2,049	
1986	678	59	136	1	6	0	93 <sup>f</sup>	973	
1987	252	51	199	0	37	0	7,119 <sup>g</sup>	7,658	
1988	206	53	217	2	37	0	444 <sup>h</sup>	959	
1989	139	54	216	23	20	0	177 <sup>i</sup>	629	
1990	359	103	209	7	29	0	26 <sup>j</sup>	733	
Cedar Lakes	1988	0	0	0	0	0	0	408 <sup>k</sup>	408
	1989	101	0	0	0	0	0	115 <sup>k</sup>	216
	1990	57	4	0	0	0	0	575 <sup>k</sup>	636
East Matagorda	1976	73	0	216	13	42	0	0	344
	1977	69	0	143	78	65	0	0	355
	1978	79	0	96	56	22	0	0	253
	1979	53	0	45	4	10	0	0	112
	1980	102	0	47	30	2	0	0	181
	1981	37	327	27	13	4	0	0	408
	1982	83	453	106	27	11	0	0	680
	1983	102	605	110	95	8	0	0	920
	1984	108	35	63	33	17	0	0	256
	1985	42	0	76	25	3	0	0	146
	1986	792	0	44	33	38	0	0	907
	1987	487	0	65	2	14	0	0	568
	1988	91	1	80	12	17	0	4 <sup>l</sup>	205
	1989	112	2	147	28	19	0	7 <sup>l</sup>	315
	1990	100	11	77	54	30	0	1 <sup>m</sup>	273

Table 2. (Cont'd.)

Bay/area	Year	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other species	All species	
Matagorda	1975	74	0	29	0	11	0	0	114	
	1976	462	1	323	36	58	2	3 <sup>n</sup>	885	
	1977	539	0	480	81	28	1	1 <sup>o</sup>	1,130	
	1978	522	217	267	79	27	0	0	1,112	
	1979	771	0	155	60	18	5	0	1,009	
	1980	285	0	63	10	8	0	0	366	
	1981	121	405	22	8	3	0	0	559	
	1982	72	633	67	10	4	0	0	786	
	1983	166	626	100	30	16	0	0	939	
	1984	46	305	60	33	3	0	1 <sup>p</sup>	939	
	1985	63	0	107	15	12	0	4 <sup>p</sup>	451	
	1986	200	0	133	35	24	0	1 <sup>q</sup>	198	
	1987	139	0	93	10	19	0	0	392	
	1988	118	1	98	14	12	0	0	261	
	1989	61	1	141	10	22	0	0	243	
	1990	122	0	102	17	12	0	1 <sup>m</sup>	235	
									254	
	San Antonio	1975	97	0	77	0	6	0	0	180
		1976	532	0	185	95	40	17	3 <sup>r</sup>	872
		1977	180	0	105	70	21	11	0	387
1978		261	66	101	40	40	0	1 <sup>s</sup>	509	
1979		676	0	154	179	73	3	5 <sup>s</sup>	1,090	
1980		278	0	179	80	14	1	1 <sup>t</sup>	553	
1981		143	343	132	128	19	4	0	769	
1982		50	637	47	2	4	0	0	740	
1983		60	616	51	3	26	0	0	756	
1984		83	23	28	3	28	1	0	166	
1985		62	0	64	11	45	0	0	182	
1986		169	0	65	5	48	0	1 <sup>u</sup>	288	
1987		212	42	127	8	44	0	1 <sup>v</sup>	434	
1988		156	6	112	14	7	4	0	299	
1989		153	35	126	25	11	1	1 <sup>w</sup>	352	
1990		88	7	81	37	26	2	58 <sup>x</sup>	299	
Arenas		1975	36	0	61	0	3	0	0	100
		1976	344	23	415	240	38	7	28 <sup>y</sup>	1,095
		1977	147	0	135	38	28	2	0	350
		1978	409	73	238	110	33	8	0	871
	1979	443	164	226	157	46	6	1 <sup>z</sup>	1,043	
	1980	1,194	219	188	98	51	0	4 <sup>a</sup>	1,754	
	1981	691	703	149	104	44	4	0	1,695	
	1982	296	760	297	70	50	2	0	1,475	
	1983	131	686	209	49	30	0	0	1,105	
	1984	63	34	74	24	36	2	280 <sup>z</sup>	233	
	1985	122	9	61	12	31	0	0	515	
	1986	127	2	87	4	14	1	1 <sup>aa</sup>	235	
	1987	79	4	79	4	3	0	0	170	
	1988	90	11	97	3	10	2	0	213	
	1989	91	26	260	17	31	0	1 <sup>bb</sup>	426	
	1990	169	37	212	23	31	0	2 <sup>m</sup>	474	



Table 2. (Cont'd.)

Bay/area	Year	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other species	All species	
Corpus Christi	1975	60	0	54	28	39	8	2 <sup>a</sup>	191	
	1976	155	18	135	131	46	36	75 <sup>cc</sup>	596	
	1977	225	1	77	55	29	7	4 <sup>dd</sup>	398	
	1978	268	10	108	127	43	17	3 <sup>ee</sup>	576	
	1979	337	106	113	98	53	13	283 <sup>ff</sup>	1,003	
	1980	307	160	49	29	26	0	2 <sup>gg</sup>	573	
	1981	190	445	106	7	12	0	0	760	
	1982	96	673	64	3	3	0	0	839	
	1983	46	632	113	0	8	0	0	799	
	1984	80	36	113	11	24	3	0	267	
	1985	142	18	39	27	29	7	0	262	
	1986	124	49	115	8	41	8	0	345	
	1987	113	70	85	7	19	10	0	304	
	1988	119	20	189	10	17	9	0	364	
	1989	122	33	284	48	17	0	0	504	
	1990	188	62	220	95	44	1	0	610	
	Upper Laguna Madre	1975	31	0	129	0	6	0	0	166
		1976	121	8	248	7	3	6	42 <sup>hh</sup>	435
		1977	65	3	102	5	0	0	0	175
		1978	94	27	1,463	0	15	0	0	1,599
1979		113	49	96	0	2	0	0	260	
1980		203	44	124	22	8	0	0	401	
1981		92	353	142	0	7	0	0	594	
1982		66	624	78	0	17	0	0	785	
1983		40	602	41	0	12	0	0	695	
1984		86	0	85	0	2	0	0	173	
1985		201	9	241	0	24	0	8 <sup>a</sup>	483	
1986		51	4	208	1	21	0	0	285	
1987		77	4	208	0	3	0	0	292	
1988		73	1	285	3	5	0	2 <sup>ii</sup>	369	
1989		28	14	544	7	3	2	1 <sup>u</sup>	599	
1990		50	1	290	23	4	2	8 <sup>jj</sup>	378	
Lower Laguna Madre		1975	32	0	72	0	13	0	0	117
		1976	198	16	209	20	19	1	182 <sup>kk</sup>	645
		1977	139	2	285	10	11	0	0	447
		1978	421	174	481	242	31	4	2 <sup>o</sup>	1,355
	1979	183	57	140	75	21	4	21 <sup>a</sup>	501	
	1980	218	53	90	8	6	3	0	378	
	1981	298	467	54	10	4	1	2 <sup>a</sup>	836	
	1982	185	637	38	0	3	0	0	863	
	1983	96	612	7	0	5	0	3 <sup>ll</sup>	723	
	1984	160	21	7	0	0	0	0	188	
	1985	349	11	153	0	1	0	1 <sup>w</sup>	515	
	1986	133	0	163	1	23	0	1 <sup>w</sup>	321	
	1987	82	3	168	2	20	0	5 <sup>mm</sup>	280	
	1988	109	2	145	1	6	1	0	264	
	1989	116	6	106	1	1	0	0	229	
	1990	201	8	263	0	2	0	1 <sup>z</sup>	475	

Table 2. (Cont'd.)

Bay/area	Year	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other species	All species
Gulf of Mexico off Sabine Lake	1987	0	2	2	0	1	0	2nn	7
	1988	3	41	8	1	2	0	4700	102
	1989	2	18	25	0	4	0	5pp	54
	1990	0	15	11	0	1	0	2u	29
Gulf of Mexico off Galveston Bay	1976	9	0	0	0	0	0	0	9
	1977	8	0	0	0	0	0	0	8
	1988	2	59	6	1	7	0	28qq	103
	1989	4	49	6	0	4	0	0	63
	1990	1	32	3	2	0	0	3rr	41
Gulf of Mexico off Matagorda-San Antonio-Aransas Bays	1981	7	0	0	0	0	0	0	7
	1982	3	0	0	0	0	0	0	3
	1987	4	11	8	0	0	0	3ss	26
	1988	7	50	9	1	0	0	7tt	74
	1989	3	26	15	1	0	0	3uu	48
	1990	5	12	26	0	0	0	11vv	54
	1990	0	5	3	0	2	0	0	10
Gulf of Mexico off Corpus Christi-Upper Laguna Madre Bays	1988	1	8	5	1	0	0	9ss	24
	1989	6	16	35	1	2	0	15ww	75
	1990	12	16	27	1	3	0	31xx	90
	1988	0	6	1	1	0	0	377	11
Gulf of Mexico off Upper and Lower Laguna Madre Bays	1989	2	1	2	0	0	0	0	5
	1990	1	6	4	0	0	0	1z	12
Coastwide	1975	415	0	471	36	80	8	2	1,012
	1976	2,145	638	2,071	569	293	69	393	6,178
	1977	1,524	71	1,519	350	223	21	5	3,713
	1978	2,341	699	3,036	722	269	30	6	7,103
	1979	2,836	603	1,102	610	256	32	310	5,749
	1980	2,828	1,279	751	294	134	4	7	5,297
	1981	1,705	3,805	741	295	107	9	2	6,664
	1982	1,061	5,286	740	123	97	2	0	7,309
	1983	2,154	5,076	725	188	108	0	12	8,263
	1984	1,486	755	571	138	146	6	9	3,111
	1985	2,404	348	959	110	192	7	330	4,350
	1986	2,379	131	1,101	88	251	9	99	4,058
	1987	1,537	200	1,127	33	183	10	7,132	10,222
	1988	1,052	263	1,303	70	124	16	955	3,783
	1989	1,019	282	1,957	163	139	3	325	3,888
	1990	1,414	314	1,544	262	185	5	720	4,444
Grand Total		28,200	19,750	19,718	4,051	2,787	231	10,307	85,144

<sup>a</sup>Atlantic croaker.

<sup>b</sup>Yellow bass.

<sup>c</sup>Atlantic croaker (1) and gafftopsail catfish (2).

<sup>d</sup>Atlantic croaker (46), gizzard shad (2), spot (1), hardhead catfish (6), striped mullet (4) and tripletail (1).

Table 2. (Cont'd.)

f	Tarpon (1) and striped bass (39).
f	Tarpon (2) and striped bass (91).
g	Striped bass.
h	Striped bass (436), Atlantic croaker (7) and gizzard shad (1).
i	Striped bass (173), seftopsail catfish (3) and sand seatrout (1).
j	Striped bass (24), seftopsail catfish (1) and striped mullet (1).
k	Striped bass.
l	Hardhead catfish.
m	Tripletail.
n	Hardhead catfish (1) and southern kingfish (2).
o	Crevalle jack.
p	Striped bass.
q	Crested cusk-eel.
r	Florida pompano (1) and Atlantic croaker (2).
s	White bass.
t	Largemouth bass.
u	Florida pompano.
v	Flathead catfish.
w	Seftopsail catfish.
x	Hardhead catfish (2), seftopsail catfish (40), striped mullet (1), blue catfish (1), crevalle jack (1), smallmouth buffalo (3), Atlantic spadefish (1), tripletail (1), alligator gar (1), spotted gar (2), tarpon (1), Florida pompano (3) and lemon shark (1).
y	Gizzard shad (1), Gulf menhaden (3), spot (9), hardhead catfish (3), striped mullet (10) and alligator gar (2).
z	Common snook.
aa	Tarpon.
bb	Alligator gar.
cc	Atlantic croaker (52), spot (7), hardhead catfish (8) and striped mullet (8).
dd	Atlantic croaker (1), bonnethead (2) and ocellated flounder (1).
ee	Ocellated flounder.
ff	Atlantic croaker (9), gizzard shad (1), crevalle jack (2), lane snapper (2), southern kingfish (1), red snapper (265) and greater amberjack (3).
gg	Atlantic croaker (1) and sand seatrout (1).
hh	Atlantic croaker (28), hardhead catfish (8), striped mullet (4) and pinfish (2).
ii	Atlantic croaker (1) and Atlantic spadefish (1).
jj	Atlantic spadefish (1) and Florida pompano (7).
kk	Atlantic croaker (37), spot (40), hardhead catfish (25), striped mullet (54), pinfish (3) and pigfish (3).
ll	Ladyfish (2) and common snook (1).
mm	Common snook (4) and fat snook (1).
nn	Atlantic croaker (1) and sand seatrout (1).
oo	Atlantic croaker (25), spot (16), bluefish (1), Florida pompano (3) and sand seatrout (2).
pp	Atlantic croaker (1) and striped mullet (4).
qq	Atlantic croaker (10), spot (11) and sand seatrout (7).
rr	Florida pompano (2) and southern kingfish (1).
ss	Gulf kingfish.
tt	Gulf kingfish (6) and southern kingfish (1).
uu	Gulf kingfish (2) and southern kingfish (1).
vv	Gulf kingfish (8), southern kingfish (2) and blacktip shark (1).
ww	Gulf kingfish (8), Florida pompano (2), palometa (4) and spot (1).
xx	Spot (1), southern stingray (1), gulf kingfish (2), southern kingfish (3) and red snapper (24).
yy	Fat snook (1), spot (1) and Florida pompano (1).

Table 3. Number of fishes tagged with internal abdominal anchor tags, by capture gear for each calendar year during November 1975-December 1989. Only years where fish were tagged are listed.

Bay/area	Year	Gear <sup>a</sup>	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other <sup>b</sup> species	All species	
Sabine Lake	1975	GN	5	0	2	0	0	0	0	7	
	1976	GN	5	0	8	0	0	0	0	13	
	1986	GN	105	17	148	0	36	0	0	4	310
		ST	0	0	2	0	0	0	0	0	2
	1987	GN	91	5	89	0	20	0	0	1	206
		ST	0	0	1	0	0	0	0	0	1
		BS	1	0	0	0	0	0	0	0	1
	1988	GN	77	4	47	0	4	0	0	3	135
		ST	0	0	4	6	0	0	0	0	10
	1989	GN	77	1	49	1	4	0	0	0	132
		ST	0	0	1	2	1	0	0	0	4
		UK	2	0	0	0	0	0	0	0	2
	1990	GN	61	0	19	1	3	1	1	1	84
		ST	0	0	0	2	0	0	0	0	2
	Galveston	1975	GN	80	0	47	8	2	0	0	137
1976		GN	111	3	64	9	8	0	14	209	
		TN	134	0	268	18	38	0	46	504	
1977		RR	1	569	0	0	1	0	0	0	571
		GN	74	0	81	8	8	0	0	0	171
		TN	78	0	111	5	33	0	0	0	227
1978		RR	0	65	0	0	0	0	0	0	65
		GN	48	0	87	6	8	0	0	0	149
		TN	238	4	195	60	47	1	0	0	545
1979		BS	1	0	0	2	0	0	0	0	3
		RR	0	128	0	0	3	0	0	0	131
		GN	91	0	7	7	6	0	0	0	111
1980		TN	169	5	166	30	27	1	0	0	398
		RR	0	222	0	0	0	0	0	0	222
		GN	23	0	8	8	1	0	0	0	40
1981	TN	207	0	3	9	17	0	0	0	236	
	RR	11	803	0	0	1	0	0	0	815	
	GN	59	1	106	6	6	0	0	0	178	
1982	TN	54	0	3	19	8	0	0	0	84	
	BS	1	0	0	0	0	0	0	0	1	
	RR	12	761	0	0	0	0	0	0	773	
1983	GN	142	0	43	11	5	0	0	0	201	
	RR	68	869	0	0	0	0	0	0	937	
	GN	57	1	87	11	2	0	0	0	158	
1984	BS	0	0	0	0	0	0	0	8	8	
	RR	1,456	696	7	0	1	0	0	0	2,160	
	GN	123	32	138	34	11	0	0	5	343	
1985	RR	737	269	3	0	25	0	0	0	1,034	
	GN	180	34	201	20	21	0	0	1	457	
		RR	1,243	267	17	0	26	0	39	1,592	



Table 3. (Cont'd.)

Bay/area	Year	Gear <sup>a</sup>	Red drum	Spotted seatrout	Black drum	Sheephead flounder	Southern flounder	Gulf flounder	Other <sup>b</sup> species	All species	
Matagorda	1975	GN	74	0	29	0	11	0	0	114	
	1976	GN	247	1	239	23	10	0	1	521	
	1977	TN	215	0	84	13	48	2	2	2	364
		GN	149	0	215	29	9	0	0	1	403
		TN	390	0	265	52	19	1	0	0	727
	1978	GN	65	0	31	6	7	0	0	0	109
		TN	457	0	236	73	20	0	0	0	786
		RR	0	217	0	0	0	0	0	0	217
	1979	GN	265	0	65	4	0	0	0	0	334
		TN	506	0	90	56	18	5	0	0	675
	1980	GN	42	0	1	0	0	0	0	0	43
		TN	243	0	62	10	8	0	0	0	323
	1981	UK	1	0	0	0	0	0	0	0	1
		GN	48	0	4	0	1	0	0	0	53
		TN	66	0	14	7	2	0	0	0	89
		RR	6	405	4	1	0	0	0	0	416
	1982	GN	71	0	67	10	4	0	0	0	152
		RR	1	633	0	0	0	0	0	0	634
	1983	GN	166	0	100	30	16	0	0	1	313
		RR	0	626	0	0	0	0	0	0	626
	1984	GN	43	0	60	33	3	0	0	0	139
		RR	3	305	0	0	0	0	0	0	308
		SK	0	0	0	0	0	0	0	4	4
1985	GN	63	0	107	15	12	0	0	1	198	
	GN	200	0	133	35	22	0	0	0	390	
1986	ST	0	0	0	0	1	0	0	0	1	
	BS	0	0	0	0	1	0	0	0	1	
	GN	139	0	93	10	18	0	0	0	260	
1987	BS	0	0	0	0	1	0	0	0	1	
	GN	97	1	98	14	12	0	0	0	222	
1988	BS	1	0	0	0	0	0	0	0	1	
	SK	20	0	0	0	0	0	0	0	20	
	GN	61	1	140	10	20	0	0	0	232	
1989	BS	0	0	1	0	2	0	0	0	3	
	GN	48	0	101	17	10	0	0	1	177	
1990	BS	0	0	1	0	2	0	0	0	3	
	RR	74	0	0	0	0	0	0	0	74	
	GN	97	0	77	0	6	0	0	0	180	
San Antonio	1975	GN	97	0	77	0	6	0	0	180	
	1976	GN	233	0	138	44	29	9	2	455	
1977	TN	299	0	47	51	11	47	8	1	417	
	GN	73	0	48	5	3	3	2	0	131	
1978	TN	107	0	57	65	18	57	9	0	256	
	GN	52	0	16	6	8	0	0	1	83	
	TN	209	0	85	34	32	0	0	0	360	
RR	0	66	0	0	0	0	0	0	66		

Table 3. (Cont'd.)

Bay/area	Year	Cear <sup>a</sup>	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other <sup>b</sup> species	All species
	1979	UK	1	0	0	0	0	0	0	1
		GN	285	0	106	89	50	2	0	532
	1980	TN	390	0	48	90	23	1	5	557
		GN	139	0	118	54	9	1	1	322
	1981	TN	139	0	61	26	5	0	0	231
		GN	85	0	110	123	17	3	0	338
		TN	56	0	19	5	2	1	0	83
	1982	RR	2	343	4	0	0	0	0	348
		GN	50	0	47	2	2	0	0	101
	1983	RR	0	637	0	0	2	0	0	639
		GN	60	0	51	3	26	0	0	140
	1984	RR	0	616	0	0	0	0	0	616
		GN	56	0	25	3	23	1	0	108
		DS	22	8	3	0	1	0	0	34
	1985	RR	5	15	0	0	4	0	0	24
		GN	62	0	64	11	45	0	0	182
	1986	GN	169	0	65	5	47	0	1	287
		SI	0	0	0	0	1	0	0	1
	1987	GN	212	42	127	8	44	0	1	434
	1988	GN	156	6	112	14	6	4	0	298
		BS	0	0	0	0	1	0	0	1
	1989	GN	153	35	125	25	11	1	1	351
		BS	0	0	1	0	0	0	0	1
	1990	GN	88	7	81	37	26	2	58	299
Aransas	1975	GN	36	0	61	0	3	0	0	100
	1976	GN	178	1	299	220	24	7	5	734
		TN	166	22	116	20	14	0	23	361
	1977	GN	53	0	103	10	10	2	0	178
		TN	94	0	32	28	18	0	0	172
	1978	GN	51	0	40	25	7	0	0	123
		TN	355	33	185	85	26	8	0	692
		BS	0	0	12	0	0	0	0	12
		IL	3	0	1	0	0	0	0	4
	1979	RR	0	40	0	0	0	0	0	40
		GN	132	3	87	86	26	4	1	339
		TN	306	68	138	70	20	2	0	604
	1980	RR	5	93	1	1	0	0	0	100
		UK	3	0	3	0	1	0	0	7
		GN	167	16	90	47	21	0	2	343
		TN	1,022	190	95	49	28	0	2	1,386
		BS	2	0	0	2	1	0	0	5
	1981	RR	0	13	0	0	0	0	0	13
		GN	226	23	101	60	24	2	0	436
		TN	461	216	47	38	20	1	0	783
		BS	3	0	1	3	0	0	0	7
		RR	1	464	0	3	0	1	0	469

Table 3. (Cont'd.)

Bay/area	Year	Gear <sup>a</sup>	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other <sup>b</sup> species	All species	
Corpus Christi	1982	GN	244	107	282	62	43	2	0	740	
		TN	10	27	0	0	2	0	0	39	
		BS	1	0	1	1	2	0	0	5	
	1983	RR	41	626	14	7	3	0	0	0	691
		GN	121	43	207	43	27	0	0	0	441
		TN	6	0	0	0	0	0	0	0	6
		BS	1	0	0	1	0	0	0	0	2
	1984	RR	3	643	2	5	3	0	0	0	656
		GN	62	15	74	22	36	2	2	0	211
		BS	0	0	0	1	0	0	0	0	1
		RR	1	19	0	1	0	0	0	0	21
	1985	GN	122	9	61	12	28	0	0	0	232
		BS	0	0	0	0	3	0	0	0	3
		SK	0	0	0	0	0	0	0	280	280
		GN	127	2	87	4	14	1	1	0	235
	1986	GN	79	4	79	4	3	0	0	1	170
		GN	90	10	96	3	10	2	2	0	211
	1987	BS	0	0	1	0	0	0	0	0	1
		UK	0	1	0	0	0	0	0	0	1
		GN	89	26	260	17	31	0	0	1	424
BS		2	0	0	0	0	0	0	0	2	
1988	GN	169	37	212	22	31	0	0	2	473	
	BS	0	0	0	1	0	0	0	0	1	
1975	GN	60	0	54	28	39	0	8	2	191	
	GN	117	1	99	112	41	25	8	6	403	
	TN	38	17	36	19	5	11	67	193		
	GN	71	1	51	34	16	1	2	2	176	
	TN	154	0	26	21	13	6	2	2	222	
	GN	42	0	20	32	16	1	0	0	111	
	TN	226	6	88	95	27	16	3	3	461	
	RR	0	4	0	0	0	0	0	0	4	
	GN	45	1	45	42	17	2	2	3	155	
	TN	289	89	68	56	36	11	10	10	559	
	BS	2	0	0	0	0	0	0	0	2	
	RR	1	16	0	0	0	0	0	0	17	
1976	FT	0	0	0	0	0	0	0	270	270	
	GN	79	5	38	19	10	0	0	0	151	
	TN	222	147	11	10	16	0	0	0	406	
	RR	6	8	0	0	0	0	0	2	16	
1977	GN	87	26	97	0	8	0	0	0	218	
	TN	100	128	9	7	3	0	0	0	247	
	RR	3	291	0	0	1	0	0	0	295	
	GN	84	10	64	1	3	0	0	0	162	
1978	RR	12	663	0	2	0	0	0	0	677	
	GN	35	10	113	8	0	0	0	0	166	
RR	11	622	0	0	0	0	0	0	633		



Table 3. (Cont'd.)

Bay/area	Year	Coast <sup>a</sup>	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other <sup>b</sup> species	All species	
Upper Laguna Madre	1984	GN	78	5	113	11	24	3	0	234	
		RR	2	31	0	0	0	0	0	33	
	1985	GN	142	18	39	27	29	7	0	262	
	1986	GN	124	49	115	8	41	8	0	345	
	1987	GN	113	70	85	7	19	10	0	304	
	1988	GN	119	20	189	10	17	9	0	364	
	1989	GN	122	33	284	48	17	0	0	504	
	1990	GN	188	62	220	93	43	1	0	607	
		RS	0	0	0	2	0	0	0	2	
		RR	0	0	0	0	1	0	0	1	
		GN	31	0	129	0	6	0	0	0	166
	1976	GN	85	0	247	6	3	1	31	373	
		TN	36	8	1	1	0	5	11	62	
	1977	GN	38	3	102	5	0	0	0	148	
		TN	27	0	0	0	0	0	0	27	
1978	GN	10	0	1,348	0	3	0	0	0	1,361	
	TN	84	27	115	0	12	0	0	0	238	
1979	GN	2	0	49	0	0	0	0	0	51	
	TN	111	49	47	0	2	0	0	0	209	
1980	GN	32	2	60	12	3	0	0	0	109	
	TN	171	38	64	10	5	0	0	0	288	
	RR	0	4	0	0	0	0	0	0	4	
1981	GN	63	12	129	0	6	0	0	0	210	
	TN	28	27	13	0	1	0	0	0	69	
	RR	1	314	0	0	0	0	0	0	315	
1982	GN	66	0	78	0	17	0	0	0	161	
	RR	0	624	0	0	0	0	0	0	624	
1983	GN	40	0	41	0	12	0	0	0	93	
	RR	0	602	0	0	0	0	0	0	602	
1984	GN	81	0	85	0	2	0	0	0	168	
	TL	5	0	0	0	0	0	0	0	5	
1985	GN	58	0	193	0	24	0	1	1	276	
	TL	143	9	48	0	0	0	7	7	207	
1986	GN	47	4	207	1	21	0	0	0	280	
	TL	4	0	1	0	0	0	0	0	5	
1987	GN	77	4	208	0	3	0	0	0	292	
1988	GN	73	1	285	3	5	0	2	2	369	
1989	GN	28	14	544	7	3	2	1	1	599	
1990	GN	50	1	290	23	4	2	8	8	378	
Lower Laguna Madre	1975	GN	32	0	72	0	13	0	0	117	
	1976	GN	79	0	188	18	6	1	48	340	
		TN	119	16	21	2	13	0	134	305	
	1977	GN	86	0	280	9	7	0	0	382	
		TN	53	2	5	1	4	0	0	65	

Table 3. (Cont'd.)

Bay/area	Year	Gear <sup>a</sup>	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other <sup>b</sup> species	All species
1978	GN	148	6	232	68	9	2	0	465	
	TN	208	139	96	112	14	2	2	573	
	TL	65	17	153	62	8	0	0	305	
1979	RR	0	12	0	0	0	0	0	12	
	GN	66	5	104	37	12	1	0	225	
	TN	117	34	36	38	9	3	21	258	
1980	RR	0	18	0	0	0	0	0	18	
	GN	21	0	56	6	4	1	0	88	
	TN	197	46	34	2	2	2	0	283	
1981	RR	0	7	0	0	0	0	0	7	
	GN	147	2	48	4	3	1	2	207	
	TN	150	165	6	6	1	0	0	328	
1982	RR	1	300	0	0	0	0	0	301	
	GN	178	0	37	0	0	0	0	215	
	RR	7	637	1	0	3	0	0	648	
1983	GN	87	0	7	0	5	0	3	102	
	RR	9	612	0	0	0	0	0	621	
	GN	140	0	7	0	0	0	0	147	
1984	TL	16	0	0	0	0	0	0	16	
	RR	4	21	0	0	0	0	0	25	
	GN	137	1	77	0	1	0	1	217	
1985	TL	212	10	76	0	0	0	0	298	
	GN	133	0	148	1	22	0	1	305	
	BS	0	0	0	0	1	0	0	1	
1987	TL	0	0	15	0	0	0	0	15	
	GN	82	3	168	2	19	0	5	279	
	ST	0	0	0	0	1	0	0	1	
1988	GN	109	2	145	1	6	1	0	264	
	GN	116	6	106	0	1	0	0	229	
	GN	201	8	263	0	2	0	1	475	
Gulf of Mexico off Sabine Lake	DS	0	2	2	0	1	0	2	7	
	DS	3	41	8	1	2	0	47	102	
	GN	0	0	15	0	0	0	0	15	
1990	DS	2	18	10	0	4	0	5	39	
	DS	0	15	11	0	1	0	2	29	
	RR	9	0	0	0	0	0	0	9	
Gulf of Mexico off Galveston Bay	RR	8	0	0	0	0	0	0	8	
	DS	0	3	0	0	1	0	0	4	
	DS	2	59	6	1	7	0	28	103	
1989	DS	4	48	6	0	4	0	0	62	
	BS	0	1	0	0	0	0	0	1	
	DS	1	29	3	2	0	0	3	38	
1990	BS	0	3	0	0	0	0	0	3	

Table 3. (Cont'd.)

Bay/area	Year	Gear <sup>a</sup>	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other <sup>b</sup> species	All species	
Gulf of Mexico off Mateagorda- San Antonio- Aransas Bays	1981	RR	7	0	0	0	0	0	0	7	
	1982	RR	3	0	0	0	0	0	0	3	
	1987	BS	1	0	0	0	0	0	0	1	
	1988	DS	3	11	8	0	0	0	0	3	25
		DS	7	49	9	1	0	0	0	7	73
	1989	BS	0	1	0	0	0	0	0	0	1
		DS	2	26	15	1	0	0	0	3	47
	1990	BS	1	0	0	0	0	0	0	0	1
		DS	4	11	26	0	0	0	0	10	51
		BS	1	1	0	0	0	0	0	0	2
			RR	0	0	0	0	0	0	1	1
	Gulf of Mexico off Corpus Christi -Upper Laguna Madre Bays	1987	DS	0	5	3	0	2	0	0	10
1988		DS	1	8	5	1	0	0	9	24	
		DS	5	16	35	1	2	0	15	74	
1990		LL	1	0	0	0	0	0	0	0	1
		DS	1	16	27	1	3	0	0	7	55
		ST	0	0	0	0	0	0	0	24	24
			LL	11	0	0	0	0	0	0	11
Gulf of Mexico off Upper and Lower Laguna Madre Bays	1988	DS	0	6	1	1	0	0	3	11	
	1989	DS	2	1	2	0	0	0	0	5	
	1990	DS	1	6	4	0	0	0	1	12	
	Coastwide	1975	GN	415	0	471	36	80	8	2	1,012
			GN	1,078	6	1,301	437	147	43	109	3,121
1976		TN	1,057	63	770	132	145	26	284	2,477	
		RR	10	569	0	0	1	0	0	580	
1977		GN	594	4	975	174	82	5	3	1,837	
		TN	922	2	544	176	141	16	2	1,803	
		RR	8	65	0	0	0	0	0	73	
1978		GN	495	6	1,870	199	80	3	1	2,654	
		TN	1,777	209	1,000	459	178	27	5	3,655	
		RR	0	467	0	0	3	0	0	470	
		BS	1	0	12	2	0	0	0	15	
		TL	68	17	154	62	8	0	0	309	
	GN	939	9	508	269	121	9	4	1,859		
1979	TN	1,888	245	593	340	135	23	36	3,260		
	RR	6	349	1	1	0	0	0	357		
	BS	2	0	0	0	0	0	0	2		
	FT	0	0	0	0	0	0	270	270		
1980	UK	1	0	0	0	0	0	0	0	1	
	GN	605	23	418	176	50	2	3	1,277		
	TN	2,201	421	330	116	81	2	2	3,153		
	RR	17	835	0	0	1	0	2	855		
	BS	2	0	0	2	1	0	0	5		
	UK	3	0	3	0	1	0	0	7		

Table 3. (Cont'd.)

Bay/area	Year	Gear <sup>a</sup>	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other <sup>b</sup> species	All species
1981	GN	750	64	622	206	69	6	2	1,719	
	TN	915	536	111	82	37	2	0	1,683	
	RR	35	3,205	7	4	1	1	0	3,253	
	BS	4	0	1	3	0	0	0	8	
1982	UK	1	0	0	0	0	0	0	1	
	GN	918	119	724	113	85	2	0	1,961	
	TN	10	27	0	0	2	0	0	39	
	RR	132	5,140	15	9	8	0	0	5,304	
1983	BS	1	0	1	1	2	0	0	5	
	GN	634	54	712	161	104	0	4	1,689	
	TN	6	0	0	0	0	0	0	6	
	RR	1,513	5,022	13	6	4	0	0	6,558	
1984	BS	1	0	0	1	0	0	8	10	
	GN	684	52	565	136	116	6	5	1,564	
	RR	759	695	3	1	29	0	0	1,487	
	BS	0	0	0	1	0	0	0	1	
1985	TL	21	0	0	0	0	0	0	21	
	SK	0	0	0	0	0	0	4	4	
	DS	22	8	3	0	1	0	0	34	
	GN	806	62	818	110	163	7	4	1,970	
1986	RR	1,243	267	17	0	26	0	39	1,592	
	BS	0	0	0	0	3	0	0	3	
	TL	355	19	124	0	0	0	7	505	
	SK	0	0	0	0	0	0	280	280	
1987	GN	1,358	86	1,076	88	243	9	10	2,870	
	RR	334	45	7	0	0	0	2	388	
	BS	0	0	0	0	6	0	0	6	
	TL	4	0	16	0	0	0	0	20	
1988	SK	683	0	0	0	0	0	0	683	
	ST	0	0	2	0	2	0	0	4	
	EF	0	0	0	0	0	0	87	87	
	GN	1,050	179	1,113	33	176	10	8	2,569	
1989	RR	69	0	0	0	0	0	0	69	
	BS	2	0	0	0	2	0	0	4	
	SK	413	0	0	0	0	0	6,778	7,191	
	ST	0	0	1	0	1	0	0	2	
1990	EF	0	0	0	0	0	0	341	341	
	DS	3	21	13	0	4	0	5	46	
	GN	971	98	1,269	59	114	16	17	2,544	
	ST	0	0	4	6	0	0	0	10	
1991	RR	47	0	0	0	0	0	1	48	
	EF	0	0	0	0	0	0	435	435	
	BS	1	1	1	0	1	0	0	4	
	SK	20	0	0	0	0	0	408	428	
1992	UK	0	1	0	0	0	0	0	1	
	DS	13	163	29	5	9	0	94	313	

Table 3. (Cont'd.)

Bay/area	Year	Gear <sup>a</sup>	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other <sup>b</sup> species	All species
	1989	GN	897	171	1886	159	126	3	15	3,257
		ST	0	0	1	2	1	0	0	4
		RR	101	0	0	0	0	0	0	101
		BS	3	1	2	0	2	0	0	8
		DS	15	109	68	2	10	0	23	227
		SK	0	0	0	0	0	0	115	115
		EF	0	0	0	0	0	0	172	172
		LL	1	0	0	0	0	0	0	1
		UK	2	0	0	0	0	0	0	2
	1990	GN	1,053	218	1,472	254	176	5	74	3,252
		ST	0	0	0	2	0	0	24	26
		RR	343	15	0	0	2	0	24	384
		BS	1	4	1	3	3	0	0	12
		DS	7	77	71	3	4	0	23	185
		SK	0	0	0	0	0	0	575	575
		LL	11	0	0	0	0	0	0	11
Grand Total			28,200	19,750	19,718	4,051	2,787	231	10,307	85,144

<sup>a</sup>BS = bag seine, DS = drag seine, EF = electrofishing, FT = fishtrap, GN = gill net, LL = longline, RR = rod and reel, ST = shrimp trawl, SK = stocked hatchery fish, TN = trammel net, TL = trotline and UK = unknown.

<sup>b</sup>List of other species captured can be found in footnote, Table 2.

Table 4. Number of fish tags returned by fishing category by bay system and recapture year during November 1975-December 1989. Only categories where returns occurred are listed.

Bay/area	Recapture Year	Fishing category	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other species	All species	
Sabine Lake	1986	Sport	8	0	1	0	1	0	0	10	
		Total	8	0	1	0	1	0	0	10	
	1987	Sport	11	0	6	0	1	0	0	0	18
		TPWD	3	0	0	0	0	0	0	0	3
	Total	14	0	6	0	1	0	0	0	21	
	1988	Sport	2	2	0	0	0	0	0	1 <sup>a</sup>	5
		Total	2	2	0	0	0	0	0	1	5
	1989	Sport	6	0	3	0	0	0	0	0	9
		Total	6	0	3	0	0	0	0	0	9
	1990	Sport	1	0	1	0	0	0	0	0	2
		Total	1	0	1	0	0	0	0	0	2
	Unknown	Sport	1	0	0	0	0	0	0	0	1
Total		1	0	0	0	0	0	0	0	1	
1975	Sport	2	0	0	0	0	0	0	0	2	
	Total	2	0	0	0	0	0	0	0	2	
1976	Sport	15	28	3	0	1	0	0	1 <sup>a</sup>	48	
	Commercial	1	0	0	0	0	0	0	0	1	
	TPWD	1	0	1	0	0	0	0	0	2	
	Unknown	1	3	1	1	1	0	0	0	6	
Total	18	31	5	0	2	0	0	1	57		
1977	Sport	12	20	4	0	1	0	0	0	37	
	Commercial	0	0	2	0	0	0	0	0	2	
	TPWD	2	0	0	0	0	0	0	0	2	
	Unknown	3	4	1	0	0	0	0	0	8	
Total	17	24	7	0	1	0	0	0	49		
1978	Sport	25	12	3	0	5	0	0	0	45	
	Commercial	3	0	1	0	0	0	0	0	4	
	Total	28	12	4	0	5	0	0	0	49	
1979	Sport	23	5	1	1	4	0	0	0	34	
	Commercial	4	1	1	0	1	0	0	0	7	
	TPWD	1	0	0	0	0	0	0	0	1	
	Unknown	2	0	1	0	0	0	0	0	3	
Total	30	6	3	1	5	0	0	0	45		

Table 4. (Cont'd.)

Bay/area	Receipture Year	Fishing category	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other species	All species
1980		Sport	51	25	0	0	1	0	0	77
		Commercial	6	1	0	1	0	0	0	8
		IPWD	1	0	0	0	0	0	0	1
		Total	58	26	0	1	1	0	0	86
1981		Sport	13	67	3	0	0	0	0	83
		Commercial	0	2	0	0	0	0	0	2
		Unknown	1	1	0	0	0	0	0	2
		Total	14	70	3	0	0	0	0	87
1982		Sport	27	98	0	0	1	0	0	126
		Commercial	0	1	0	0	0	0	0	1
		IPWD	2	0	0	0	0	0	0	2
		Total	29	99	0	1	1	0	0	129
1983		Sport	58	67	1	0	0	0	1 <sup>a</sup>	127
		IPWD	10	0	0	0	0	0	0	10
		Total	68	67	1	0	0	0	1	137
1984		Sport	52	28	0	0	0	0	0	80
		Commercial	1	0	0	0	0	0	0	1
		IPWD	1	1	0	0	0	0	0	2
		Unknown	1	0	0	0	0	0	1	
		Total	55	29	0	0	0	0	0	84
1985		Sport	69	10	1	1	3	0	3 <sup>b</sup>	87
		Commercial	1	0	1	0	1	0	0	3
		IPWD	2	0	1	0	0	0	0	3
		Total	72	10	3	1	4	0	3	93
1986		Sport	94	10	0	0	0	0	1 <sup>b</sup>	105
		Commercial	3	0	1	0	0	0	0	4
		IPWD	6	1	0	0	0	0	0	7
		Total	103	11	1	0	0	1	116	
1987		Sport	52	5	6	0	5	0	0	68
		Commercial	4	0	0	0	0	0	0	4
		IPWD	2	0	0	0	0	0	0	2
		Comm./survey	0	0	1	0	0	0	1	
		Total	58	5	7	0	5	0	0	75
1988		Sport	28	2	1	0	1	0	22 <sup>b</sup>	59
		Commercial	1	0	2	0	0	0	0	3
		Unknown	3	0	2	0	0	0	0	7
		Total	32	2	5	0	1	24	64	
1989		Sport	12	6	1	0	2	0	13 <sup>b</sup>	34
		IPWD	1	0	0	0	0	0	0	1
		Unknown	1	0	1	0	0	0	0	2
		Total	14	6	2	0	2	13	37	

Table 4. (Cont'd.)

Bay/area	Recapture Year	Fishing category	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other species	All species
Cedar Lakes	1990	Sport	15	6	5	0	2	0	1 <sup>b</sup>	29
		Commercial	0	0	1	0	0	0	0	1
		IPWD	3	0	0	0	0	0	0	0
		Unknown	0	0	1	0	0	0	0	1
		Total	18	6	7	0	2	0	1	34
Cedar Lakes	1989	Sport	0	0	0	0	0	0	1 <sup>b</sup>	1
		Total	0	0	0	0	0	0	1	1
		Total	0	0	0	0	0	0	0	0
East Matagorda	1976	Sport	5	0	1	0	0	0	0	6
		Commercial	7	0	5	0	0	0	0	12
		Unknown	1	0	0	0	0	0	0	1
		Total	13	0	6	0	0	0	0	0
East Matagorda	1977	Sport	13	0	4	0	5	0	0	22
		Commercial	9	0	19	0	2	0	0	30
		Unknown	0	0	4	0	1	0	0	5
		Total	22	0	27	0	8	0	0	57
East Matagorda	1978	Sport	5	0	7	0	2	0	0	14
		Commercial	5	0	8	1	1	0	0	15
		Unknown	1	0	0	0	0	0	0	1
		Total	11	0	15	1	3	0	0	0
East Matagorda	1979	Sport	3	0	4	0	2	0	0	9
		Commercial	2	0	2	2	0	0	0	6
		Total	5	0	6	2	2	0	0	0
East Matagorda	1980	Sport	9	0	0	0	0	0	0	9
		Commercial	1	0	0	0	1	0	0	2
		Total	10	0	0	0	1	0	0	0
East Matagorda	1981	Sport	6	23	5	0	1	0	0	35
		Total	6	23	5	0	1	0	0	0
East Matagorda	1982	Sport	7	26	4	1	1	0	0	39
		IPWD	0	0	1	0	0	0	0	1
		Unknown	0	1	0	0	0	0	0	1
		Total	7	27	5	1	1	0	0	0
East Matagorda	1983	Sport	7	37	1	0	0	0	0	45
		Commercial	0	1	0	0	0	0	0	1
		IPWD	0	1	0	0	0	0	0	1
		Total	7	39	1	0	0	0	0	47
East Matagorda	1984	Sport	11	6	1	0	0	0	0	18
		IPWD	0	0	2	0	0	0	0	2
		Total	11	6	3	0	0	0	0	0



Table 4. (Cont'd.)

Bay/area	Recapture Year	Fishing category	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other species	All species
1985	Sport	2	2	1	2	0	0	0	0	7
	Total	2	2	1	2	0	0	0	0	7
1986	Sport	9	0	5	1	1	0	0	0	16
	IFWD	1	0	0	0	0	0	0	0	1
	Total	10	0	5	1	1	0	0	0	17
1987	Sport	18	0	2	0	2	0	0	0	22
	IFWD	1	0	0	1	0	0	0	0	2
	Total	19	0	2	1	2	0	0	0	24
1988	Sport	8	1	2	0	1	0	0	0	12
	IFWD	2	0	1	0	0	0	0	0	3
	Total	10	1	3	0	1	0	0	0	15
1989	Sport	6	0	1	0	0	0	0	0	7
	Commercial	2	0	0	0	0	0	0	0	2
	Total	9	0	2	0	0	0	0	0	11
1990	Sport	4	0	3	0	1	0	0	0	8
	IFWD	0	0	1	0	0	0	0	0	1
	Total	4	0	5	0	1	0	0	0	10
Unknown	Sport	0	0	1	0	0	0	0	0	1
	Total	0	0	1	0	0	0	0	0	1
1975	Sport	1	0	0	0	0	0	0	0	1
	Total	1	0	0	0	0	0	0	0	1
1976	Sport	26	0	9	0	3	1	0	0	39
	Commercial	16	0	6	0	0	0	0	0	22
	IFWD	1	0	0	0	0	0	0	0	1
	Total	44	0	15	0	3	1	0	0	63
1977	Sport	63	0	15	1	3	0	0	0	82
	Commercial	14	0	12	0	0	0	0	0	26
	IFWD	3	0	3	0	0	0	0	0	6
	Total	85	0	33	1	3	0	0	0	122
1978	Sport	88	11	24	0	2	0	0	0	125
	Commercial	35	0	15	1	0	0	0	0	51
	IFWD	14	0	5	0	0	0	0	0	19
	Total	147	11	51	1	2	0	0	0	212

Table 4. (Cont'd.)

Bay/area	Recepture Year	Fishing category	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other species	All species
1979	Sport	92	5	8	1	1	0	0	0	107
	Commercial	18	0	9	0	0	0	0	0	27
	TPWD	6	1	1	0	0	0	0	0	8
	Unknown	0	0	0	1	0	0	0	0	1
Total	116	6	18	1	2	0	0	0	0	143
1980	Sport	100	1	2	1	0	0	0	0	104
	Commercial	6	0	2	0	0	0	0	0	8
	TPWD	1	0	1	0	0	0	0	0	2
	Total	107	1	5	1	0	0	0	0	114
1981	Sport	40	23	1	1	0	0	0	0	65
	Commercial	2	0	0	0	0	0	0	0	2
	TPWD	4	0	0	0	0	0	0	0	4
	Total	46	23	1	1	0	0	0	0	71
1982	Sport	18	46	1	0	0	0	0	0	65
	TPWD	0	0	1	0	0	0	0	0	1
	Unknown	0	1	0	0	0	0	0	0	1
	Total	18	47	2	0	0	0	0	0	67
1983	Sport	10	41	1	0	0	0	0	0	52
	TPWD	1	0	0	0	0	0	0	0	1
	Total	11	41	1	0	0	0	0	0	53
	Sport	12	38	4	0	1	1	0	0	55
Total	12	38	4	0	1	1	0	0	55	
1985	Sport	8	10	6	1	1	0	0	0	26
	TPWD	0	0	1	0	0	0	0	0	1
	Sport/survey	1	0	0	0	0	0	0	0	1
	Total	9	10	7	1	1	0	0	0	28
1986	Sport	25	2	1	1	1	0	0	0	30
	TPWD	0	0	0	1	0	0	0	0	1
	Total	25	2	1	2	1	0	0	0	31
	Sport	24	0	1	1	2	0	0	0	28
Total	24	0	1	1	2	0	0	0	28	
1988	Sport	23	0	4	0	0	0	0	0	27
	Total	23	0	4	0	0	0	0	0	27
	Sport	14	0	2	0	0	0	0	0	16
	Total	14	0	2	0	0	0	0	0	16
1990	Sport	4	0	4	0	2	0	0	0	10
	Total	4	0	4	0	2	0	0	0	10

Table 4. (Cont'd.)

Bay/area	Recapture Year	Fishing category	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other species	All species	
San Antonio	Unknown	Sport	18	0	5	0	0	0	0	23	
		Total	18	0	5	0	0	0	0	0	23
1975	Sport	Total	0	0	1	0	0	0	0	1	
		Sport	0	0	1	0	0	0	0	0	
		Total	0	0	1	0	0	0	0	0	
		Total	0	0	1	0	0	0	0	0	
1976	Sport	Commercial	23	0	1	2	0	2	0	28	
		TPWD	13	0	1	1	0	0	0	15	
		Unknown	2	0	0	0	0	0	0	2	
		Total	5	0	1	0	0	0	0	6	
		Total	43	0	3	3	0	2	0	0	51
1977	Sport	Commercial	14	0	3	0	4	0	0	21	
		TPWD	34	0	10	0	1	0	0	45	
		Unknown	5	0	2	0	0	0	0	7	
		Total	3	0	2	0	1	0	0	6	
		Total	56	0	17	0	6	0	0	0	79
1978	Sport	Commercial	33	0	6	0	3	0	0	42	
		TPWD	23	0	6	0	0	0	0	29	
		Unknown	4	0	0	0	0	0	0	4	
		Total	6	0	1	0	0	0	0	7	
		Total	66	0	13	0	3	0	0	0	82
1979	Sport	Commercial	51	0	2	1	5	0	0	59	
		TPWD	28	0	3	1	1	0	0	33	
		Unknown	5	0	1	1	0	0	0	7	
		Total	84	0	6	3	6	0	0	0	99
1980	Sport	Commercial	42	0	3	2	2	0	0	49	
		TPWD	9	0	1	0	0	0	0	10	
		Unknown	2	0	1	0	0	0	0	3	
		Total	53	0	5	2	2	0	0	0	62
1981	Sport	Commercial	23	11	2	2	0	0	0	38	
		TPWD	1	0	0	0	0	0	0	1	
		Unknown	2	0	1	0	0	0	0	3	
		Total	1	0	0	0	0	0	0	0	1
		Total	27	11	3	2	0	0	0	0	43
1982	Sport	Commercial	8	15	3	4	0	0	0	30	
		TPWD	0	0	2	0	0	0	0	2	
		Unknown	1	0	1	0	0	0	0	2	
		Total	9	15	6	4	0	0	0	0	34
1983	Sport	Commercial	5	36	0	2	0	0	0	43	
		TPWD	0	1	0	0	0	0	0	1	
		Total	5	37	0	2	0	0	0	0	44

Table 4. (Cont'd.)

Bay/area	Recapture Year	Fishing category	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other species	All species	
Aransas	1984	Sport	11	2	1	0	4	0	0	18	
		Total	11	2	1	0	4	0	0	18	
	1985	Sport	11	1	2	0	0	0	0	0	14
		TPWD	1	0	0	0	0	0	0	0	1
		Total	12	1	2	0	0	0	0	0	15
	1986	Sport	19	0	2	0	2	2	0	0	23
		Sport/survey	1	0	0	0	0	0	0	0	1
		Total	20	0	2	0	2	0	0	0	24
	1987	Sport	22	4	3	0	2	2	0	0	31
		Commercial	2	0	2	0	0	0	0	0	4
		TPWD	0	0	0	0	0	0	0	1 <sup>c</sup>	1
		Total	24	4	5	0	2	2	0	1	36
1988	Sport	19	1	5	0	1	1	1	0	27	
	Commercial	1	0	0	0	0	0	0	0	1	
	TPWD	5	0	0	0	0	0	0	0	5	
1989	Total	25	1	5	0	1	1	1	0	33	
	Sport	10	1	2	0	1	1	0	0	14	
	Sport/survey	1	0	0	0	0	0	0	0	1	
1990	Total	11	1	2	0	1	1	0	0	15	
	Sport	9	0	2	0	1	1	0	0	12	
	TPWD	0	0	1	0	0	0	0	0	1	
Unknown	Total	9	0	3	0	1	1	0	0	13	
	Sport	1	0	0	0	0	0	0	0	1	
	Unknown	1	0	0	1	0	0	0	0	2	
1976	Total	2	0	0	1	0	0	0	0	3	
	Sport	35	0	17	4	1	1	0	0	57	
	Commercial	22	0	8	0	0	0	1	0	31	
1977	TPWD	0	0	0	0	0	0	0	2 <sup>d</sup>	2	
	Unknown	2	0	0	1	1	1	0	0	4	
	Total	59	0	25	5	2	2	1	2	94	
1978	Sport	33	0	14	4	0	0	0	0	51	
	Commercial	16	1	12	1	0	0	0	0	30	
	TPWD	2	0	0	0	0	0	0	0	2	
1978	Unknown	1	0	1	0	0	0	0	0	2	
	Total	52	1	27	5	0	0	0	0	85	
	Sport	57	2	7	5	3	3	0	0	74	
1978	Commercial	54	0	14	1	0	0	0	0	69	
	TPWD	1	0	2	0	0	0	0	0	3	
	Unknown	2	0	0	0	0	0	0	0	2	
1978	Total	114	2	23	6	3	3	0	0	148	

Table 4. (Cont'd.)

Bay/area	Recapture Year	Fishing category	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other species	All species	
1979	Sport Commercial	Sport	74	5	16	7	1	0	0	103	
		Commercial	51	1	6	0	0	0	0	58	
		TPWD	2	0	2	0	0	1	1	5	
1980	Sport Commercial	Total	127	6	24	7	1	1	0	166	
		Sport	171	17	19	3	2	0	0	0	212
		Commercial	71	4	8	1	2	0	0	0	86
1981	Sport Commercial	TPWD	41	0	1	0	0	0	0	42	
		Unknown	3	0	0	0	0	0	0	3	
		Total	286	21	28	4	4	0	0	0	343
1982	Sport Commercial	Sport	124	36	11	5	3	0	0	179	
		Commercial	35	8	4	0	1	0	0	0	48
		TPWD	28	1	0	0	0	0	0	0	29
1983	Sport Commercial	Total	187	45	15	5	4	0	0	256	
		Sport	83	51	18	5	1	0	0	0	158
		Commercial	12	2	7	0	0	0	0	0	21
1984	Sport Commercial	TPWD	2	1	2	0	0	0	0	5	
		Unknown	1	0	0	0	0	0	0	1	
		Total	98	54	27	5	1	0	0	0	185
1985	Sport Commercial	Sport	23	50	6	4	0	0	0	83	
		Commercial	1	0	0	0	2	0	0	0	3
		TPWD	1	2	2	1	0	0	0	0	6
1986	Sport Commercial	Total	25	52	8	5	2	0	0	92	
		Sport	10	2	1	0	2	0	0	0	15
		Commercial	0	1	1	0	0	0	0	0	2
1987	Sport Commercial	TPWD	0	2	0	0	0	0	0	2	
		Unknown	0	0	0	0	0	0	0	0	0
		Total	10	5	2	0	2	0	0	0	19
1988	Sport Commercial	Sport	16	1	3	1	1	0	0	22	
		TPWD	0	0	1	0	0	0	0	0	1
		Sport/survey	2	0	0	0	0	0	0	0	2
1989	Sport Commercial	Total	18	1	4	1	1	0	0	25	
		Sport	18	2	6	0	0	0	0	0	26
		Commercial	1	0	1	0	1	0	0	0	3
1990	Sport Commercial	TPWD	0	0	2	0	0	0	0	2	
		Unknown	0	0	0	0	0	0	0	0	0
		Total	20	2	9	0	1	0	0	0	32
1991	Sport Commercial	Sport	35	1	7	0	0	0	0	43	
		Commercial	0	0	1	0	0	0	0	0	1
		Total	35	1	8	0	0	0	0	0	44
1992	Sport Commercial	Sport	13	0	4	1	0	0	0	18	
		Commercial	0	0	1	0	0	0	0	0	1
		Total	13	0	5	1	0	0	0	0	19

Table 4. (Cont'd.)

Bay/area	Recepture Year	Fishing category	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other species	All species
1989	Sport	18	0	1	0	0	0	0	0	19
	Sport/survey	2	0	0	0	0	0	0	0	2
	TPWD	1	0	0	0	0	0	0	0	1
	Total	21	0	1	0	0	0	0	0	22
1990	Sport	9	0	4	1	0	0	0	0	14
	Commercial	2	0	0	0	0	0	0	0	2
	Sport/survey	0	0	0	1	0	0	0	0	1
	Total	11	0	4	2	0	0	0	0	17
Unknown	Unknown	0	0	1	0	0	0	0	0	1
	Total	0	0	1	0	0	0	0	0	1
1975	Commercial	1	0	0	0	0	1	0	0	2
	Total	1	0	0	0	0	1	0	0	2
1976	Sport	7	0	1	1	2	0	0	0	11
	Commercial	17	0	2	1	0	0	0	0	20
	TPWD	1	0	0	0	0	0	0	0	1
	Unknown	3	0	0	0	0	0	0	0	3
	Total	28	0	3	2	2	0	0	0	35
1977	Sport	32	0	2	2	2	0	0	0	38
	Commercial	15	2	6	3	1	0	0	0	27
	TPWD	1	0	0	1	0	0	0	1 <sup>e</sup>	3
	Unknown	0	0	1	0	0	0	0	0	1
	Total	48	2	9	6	3	0	1	0	69
1978	Sport	34	0	3	3	2	0	0	0	42
	Commercial	46	0	12	3	2	0	0	0	63
	TPWD	1	0	0	0	1	0	0	0	2
	Unknown	1	0	0	0	0	0	0	0	1
	Total	82	0	15	6	5	0	0	0	108
1979	Sport	27	1	2	1	3	0	0	21 <sup>f</sup>	55
	Commercial	24	0	1	0	2	0	0	0	27
	TPWD	2	0	0	0	1	0	0	0	3
	Unknown	1	0	0	0	0	0	0	0	1
	Total	54	1	3	1	6	0	21	0	86
1980	Sport	39	6	1	0	2	0	0	0	48
	Commercial	39	6	6	2	2	0	0	0	55
	TPWD	5	0	0	1	0	0	0	0	6
	Total	83	12	7	3	4	0	0	0	109
1981	Sport	20	19	0	0	0	0	0	0	39
	Commercial	35	2	0	0	4	0	0	0	41
	TPWD	2	0	1	0	0	0	0	0	3
	Total	57	21	1	0	4	0	0	0	83

Table 4. (Cont'd.)

Bay/area	Recapture Year	Fishing category	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other species	All species
1982	Sport	14	50	4	0	1	0	0	0	69
	Unknown	0	1	0	0	0	0	0	0	1
	Total	14	51	4	0	1	0	0	0	70
1983	Sport	9	56	1	1	1	0	0	0	68
	Commercial	0	0	1	0	0	0	0	0	1
	TPWD	2	2	0	0	0	0	0	0	2
	Sport/survey	0	1	0	0	0	0	0	0	1
Total	9	59	2	1	1	1	0	0	0	72
1984	Sport	13	4	0	0	0	0	1	0	18
	Commercial	0	0	0	0	1	0	0	0	1
	Sport/survey	1	0	0	0	0	0	0	0	1
Total	14	4	0	0	1	1	0	0	0	20
1985	Sport	18	7	2	1	3	0	0	0	31
	TPWD	1	0	0	0	0	0	0	0	1
	Total	19	7	2	1	3	0	0	0	32
1986	Sport	15	2	2	1	1	0	0	0	21
	Commercial	0	0	0	0	1	0	0	0	1
	Total	15	2	2	1	2	0	0	0	22
1987	Sport	12	4	2	1	1	0	0	0	20
	Commercial	0	0	1	0	0	0	0	0	1
	Total	12	4	3	1	1	0	0	0	21
1988	Sport	9	1	1	0	1	0	0	0	12
	Commercial	0	0	1	0	0	0	0	0	1
	Total	9	1	2	0	1	0	0	0	13
1989	Sport	23	0	4	0	0	0	0	0	27
	Commercial	0	0	1	0	0	0	0	0	1
	Sport/survey	1	0	1	0	0	0	0	0	2
	Total	24	0	6	0	0	0	0	0	30
1990	Sport	19	0	1	1	3	0	0	0	24
	TPWD	1	0	0	0	0	0	0	0	1
	Total	20	0	1	1	3	0	0	0	25
1975 Upper Laguna Madre	Commercial	0	0	0	0	1	0	0	0	1
	Total	0	0	0	0	1	0	0	0	1
1976	Sport	10	0	2	0	1	0	0	0	13
	Commercial	13	0	4	0	0	0	0	1 <sup>e</sup>	18
	Unknown	1	0	0	0	0	0	0	0	1
	Total	24	0	6	0	1	0	0	1	32

Table 4. (Cont'd.)

Bay/area	Recapture Year	Fishing category	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other species	All species
1977		Sport	7	0	2	0	0	0	0	9
		Commercial	21	0	14	0	0	0	0	35
		TPWD Total	1 29	0 0	16 16	0 0	0 0	0 0	0 0	0 0
1978		Sport	8	0	9	0	1	0	0	18
		Commercial	15	3	18	0	0	0	0	36
		Unknown Total	0 23	0 3	1 28	0 0	1 1	0 0	0 0	0 0
1979		Sport	5	1	7	0	0	0	0	13
		Commercial	17	1	59	0	1	0	0	78
		TPWD Unknown Total	1 1 24	0 0 2	0 1 67	0 0 0	0 0 1	0 0 0	0 0 0	0 0 0
1980		Sport	17	0	4	0	2	0	0	23
		Commercial	19	1	25	0	0	0	0	45
		TPWD Unknown Total	3 0 39	0 0 1	0 1 30	0 0 0	0 0 2	0 0 0	0 0 0	0 0 0
1981		Sport	15	12	1	0	1	0	0	29
		Commercial	12	0	8	0	0	0	0	20
		TPWD Total	0 27	1 13	0 9	0 0	0 1	0 0	0 0	0 0
1982		Sport	6	31	1	0	0	0	0	38
		Commercial	0	0	1	0	0	0	0	1
		Total	6	31	2	0	0	0	0	0
1983		Sport	6	46	0	0	0	0	0	52
		TPWD	0	1	0	0	0	0	0	1
		Unknown Total	1 7	0 47	0 0	0 0	0 0	0 0	0 0	0 0
1984		Sport	1	0	0	0	0	0	0	1
		Total	1	0	0	0	0	0	0	0
1985		Sport	15	0	1	0	0	0	0	16
		Commercial	1	0	1	0	0	0	0	2
		TPWD Unknown Total	1 2 19	0 0 0	0 0 2	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
1986		Sport	10	1	1	0	0	0	0	12
		Total	10	1	1	0	0	0	0	0



Table 4. (Cont'd.)

Bay/area	Recapture Year	Fishing category	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other species	All species	
Lower Laguna Madre	1987	Sport	3	1	1	0	0	0	0	5	
		Total	3	1	1	0	0	0	0	5	
	1988	Sport	7	0	0	0	0	0	0	0	7
		Total	7	0	0	0	0	0	0	0	7
	1989	Sport	4	0	0	0	1	0	0	0	5
		Total	4	0	0	0	1	0	0	0	5
	1990	Sport	2	1	2	0	0	0	0	0	5
		TPWD	0	0	2	0	0	0	0	0	2
	Total	2	1	4	0	0	0	0	0	0	7
	Unknown	Unknown	0	1	0	0	0	0	0	0	1
		Total	0	1	0	0	0	0	0	0	1
	1976	Sport	10	0	3	0	0	0	0	0	13
Commercial		20	0	4	0	0	0	0	16	25	
Total		30	0	7	0	0	0	0	1	38	
1977	Sport	16	1	2	0	1	1	0	0	20	
	Commercial	27	0	14	1	0	0	0	0	42	
	TPWD	1	0	1	0	0	0	0	0	2	
	Unknown	0	0	1	0	0	0	0	0	1	
Total	44	1	18	1	1	1	1	0	0	65	
1978	Sport	17	4	9	0	1	1	1	0	32	
	Commercial	56	1	15	1	0	0	0	0	73	
	TPWD	1	0	1	0	0	0	0	0	2	
	Unknown	1	0	1	0	0	0	0	0	2	
Total	75	5	26	1	1	1	1	0	0	109	
1979	Sport	11	10	3	1	0	0	0	0	25	
	Commercial	31	0	15	2	0	0	0	0	48	
	TPWD	1	1	0	1	0	0	0	0	3	
	Total	43	11	18	4	0	0	0	0	76	
1980	Sport	10	3	1	0	0	0	0	0	14	
	Commercial	3	0	2	1	0	0	0	1 <sup>a</sup>	7	
	TPWD	0	2	1	0	0	0	0	0	3	
	Unknown	1	0	0	0	0	0	0	0	1	
Total	14	5	4	1	0	0	0	1	1	25	
1981	Sport	18	12	1	0	0	0	0	0	31	
	commercial	3	0	1	0	0	0	0	0	4	
	TPWD	4	1	0	0	0	0	0	0	5	
	Unknown	1	0	0	0	0	0	0	0	1	
Total	26	13	2	0	0	0	0	0	0	41	

Table 4. (Cont'd.)

Bay/area	Recapture Year	Fishing category	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other species	All species
1982	Sport	20	34	2	0	0	0	0	0	56
	Commercial	1	0	0	0	0	0	0	0	1
	IPWD	1	1	0	0	0	0	0	0	2
	Total	22	35	2	0	0	0	0	0	59
1983	Sport	8	56	0	0	0	0	0	0	64
	IPWD	2	1	0	0	0	0	0	0	3
	Unknown	0	1	0	0	0	0	0	0	1
	Total	10	58	0	0	0	0	0	0	68
1984	Sport	10	7	0	0	0	0	0	0	17
	Total	10	7	0	0	0	0	0	0	17
1985	Sport	22	4	0	0	0	0	0	0	26
	Commercial	0	1	0	0	0	0	0	0	1
	IPWD	1	0	0	0	0	0	0	0	1
	Unknown	1	0	0	0	0	0	0	0	1
	Total	24	5	0	0	0	0	0	0	29
1986	Sport	30	2	3	0	0	0	0	0	35
	IPWD	2	0	2	0	0	0	0	0	4
	Total	32	2	5	0	0	0	0	0	39
1987	Sport	26	0	2	0	2	2	0	0	30
	IPWD	2	0	0	0	0	0	0	0	2
	Total	28	0	2	0	2	2	0	0	32
1988	Sport	10	0	0	0	0	0	0	0	10
	Total	10	0	0	0	0	0	0	0	10
1989	Sport	10	0	0	0	0	0	0	0	10
	IPWD	2	0	0	0	0	0	0	0	2
	Total	12	0	0	0	0	0	0	0	12
1990	Sport	12	0	0	0	0	0	0	0	12
	Total	12	0	0	0	0	0	0	0	12
Coastwide	Sport	20	0	6	0	0	0	0	0	26
	Unknown	1	1	1	1	0	0	0	0	4
	Total	21	1	7	1	0	0	0	0	30
1975	Sport	3	0	1	0	0	0	0	0	4
	Commercial	1	0	0	0	2	2	0	0	3
	Total	4	0	1	0	2	2	0	0	7

Table 4. (Cont'd.)

Bay/area	Recapture Year	Fishing category	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other species	All species
1976		Sport	131	28	37	7	8	3	1	215
		Commercial	109	0	30	2	0	1	2	144
		TPWD	5	0	1	0	0	0	0	2
		Unknown	14	3	2	1	2	0	0	0
		Total	259	31	70	10	10	4	5	389
1977		Sport	190	21	46	7	16	0	0	280
		Commercial	136	3	89	5	4	0	0	0
		TPWD	15	0	6	1	0	0	0	1
		Unknown	12	4	13	0	2	0	0	0
		Total	353	28	154	13	22	0	1	571
1978		Sport	267	29	68	8	19	1	0	392
		Commercial	237	4	89	7	3	0	0	0
		TPWD	21	0	8	0	1	0	0	0
		Unknown	21	0	10	0	0	0	0	0
		Total	546	33	175	15	23	1	0	793
1979		Sport	286	27	43	12	16	0	21	405
		Commercial	175	3	96	5	5	0	0	0
		TPWD	18	2	4	2	1	1	0	0
		Unknown	4	0	2	0	0	0	0	0
		Total	483	32	145	19	23	1	21	724
1980		Sport	439	52	30	6	9	0	0	536
		Commercial	154	12	44	5	5	0	1	221
		TPWD	52	2	3	1	0	0	0	0
		Unknown	5	0	2	0	0	0	0	0
		Total	650	66	79	12	14	0	1	822
1981		Sport	259	203	24	8	5	0	0	499
		Commercial	88	12	13	0	5	0	0	0
		TPWD	40	3	2	0	0	0	0	0
		Unknown	3	1	0	0	0	0	0	0
		Total	390	219	39	8	10	0	0	666
1982		Sport	183	351	33	10	4	0	0	581
		Commercial	13	3	10	0	0	0	0	0
		TPWD	6	2	5	0	0	0	0	0
		Unknown	1	3	0	0	0	0	0	0
		Total	203	359	48	10	4	0	0	624
1983		Sport	126	389	10	7	1	0	1	534
		Commercial	1	1	1	0	2	0	0	0
		TPWD	14	8	2	1	0	0	0	0
		Sport/survey	0	1	0	0	0	0	0	0
		Unknown	1	1	0	0	0	0	0	
		Total	142	400	13	8	3	0	1	567

Table 4. (Cont'd.)

Bay/area	Year	Reception	Fishing	Red	Spotted	Black	Sheepshead	Southern	Gulf	Other	All
		category	category	drum	sestrout	drum	drum	flounder	flounder	species	species
1984	Sport	120		87	7	0	7	1	0	222	
	Commercial	1		1	1	0	1	0	0	4	
	TPWD	1		3	2	0	0	0	0	6	
	Sport/survey	1		0	0	0	0	0	0	1	
1985	Unknown	1		0	0	0	0	0	0	1	
	Total	124		91	10	0	8	1	0	234	
	Sport	161		35	16	6	8	0	3	229	
	Commercial	2		1	2	0	1	0	0	6	
1986	TPWD	6		0	3	0	0	0	0	9	
	Sport/survey	3		0	0	0	0	0	0	3	
	Unknown	3		0	0	0	0	0	0	3	
	Total	175		36	21	6	9	0	3	250	
1987	Sport	228		19	21	3	6	0	1	278	
	Commercial	4		0	2	0	2	0	0	8	
	TPWD	9		1	4	1	0	0	0	15	
	Sport/survey	2		0	0	0	0	0	0	2	
1988	Total	243		20	27	4	8	0	1	303	
	Sport	203		15	30	2	15	0	0	265	
	Commercial	6		0	4	0	0	0	0	10	
	TPWD	8		0	0	1	0	0	1	10	
1989	Comm./survey	0		0	1	0	0	0	0	1	
	Total	217		15	35	3	15	0	1	286	
	Sport	119		7	17	1	4	1	23	172	
	Commercial	2		0	4	0	0	0	0	6	
1990	TPWD	7		0	1	0	0	0	0	8	
	Unknown	3		0	2	0	0	0	2	7	
	Total	131		7	24	1	4	1	25	193	
	Sport	103		7	14	0	4	0	14	142	
1990	Commercial	2		0	1	0	0	0	0	3	
	TPWD	5		0	1	0	0	0	0	6	
	Sport/survey	4		0	1	0	0	0	0	5	
	Unknown	1		0	1	0	0	0	0	2	
1990	Total	115		7	18	0	4	0	14	158	
	Sport	75		7	22	2	9	0	1	116	
	Commercial	2		0	1	0	0	0	0	3	
	TPWD	4		0	4	0	0	0	0	8	
1990	Sport/survey	0		0	1	1	0	0	0	2	
	Unknown	0		0	1	0	0	0	0	1	
	Total	81		7	29	3	9	0	1	130	

Table 4. (Cont'd.)

Bay/area	Recapture Year	Fishing category	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other species	All species
Grand Total		Sport	2,913	1,277	425	79	131	6	66	4,897
		Commercial	933	40	387	24	30	1	3	1,418
		TPWD	211	21	46	7	2	1	4	292
		Sport/survey	10	1	2	1	0	0	0	14
		Comm./survey	0	0	1	0	0	0	0	1
		Unknown	70	13	34	2	5	0	1	125
		Total	4,137	1,352	895	113	168	8	74	6,747

- <sup>a</sup>Atlantic croaker
- <sup>b</sup>Striped bass
- <sup>c</sup>tarpon
- <sup>d</sup>Spot
- <sup>e</sup>Hardhead catfish
- <sup>f</sup>Red snapper
- <sup>g</sup>Striped mullet

Table 5. Number of fish tags returned from same bay, other bay, Gulf of Mexico/Texas Territorial Sea (TTS) or from outside TTS during November 1975-December 1989. Only areas where returns occurred are listed.

Bay/area	Recapture year	Recapture location	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other species	All species	
Sabine Lake	1986	Same bay	7	0	1	0	1	0	0	9	
		TTS	1	0	0	0	0	0	0	1	
		Total	8	0	1	0	1	0	0	0	10
1987	Same bay	TTS	13	0	5	0	0	0	0	18	
		Outside TTS	1	0	0	0	1	0	0	0	1
		Unknown	0	0	1	0	0	0	0	0	1
		Total	14	0	6	0	1	0	0	0	21
1988	Same bay	TTS	2	0	0	0	0	0	0	2	
		Outside TTS	0	2	0	0	0	0	0	1 <sup>a</sup>	3
		Total	2	2	0	0	0	0	0	1	5
1989	Same bay	TTS	6	0	2	0	0	0	0	8	
		Outside TTS	0	0	1	0	0	0	0	0	1
		Total	6	0	3	0	0	0	0	0	9
1990	Same bay	TTS	1	0	0	0	0	0	0	1	
		Outside TTS	0	0	1	0	0	0	0	0	1
		Total	1	0	1	0	0	0	0	0	2
Galveston	Unknown	TTS	1	0	0	0	0	0	0	1	
		Total	1	0	0	0	0	0	0	0	1
1975	Same bay	TTS	2	0	0	0	0	0	0	2	
		Total	2	0	0	0	0	0	0	0	2
1976	Same bay	Other bay	16	29	5	0	2	0	1 <sup>a</sup>	53	
		TTS	1	0	0	0	0	0	0	0	1
		Unknown	0	1	0	0	0	0	0	0	2
		Total	18	31	5	0	2	0	0	1	57
1977	Same bay	TTS	16	18	6	0	1	0	0	41	
		Outside TTS	1	6	1	0	0	0	0	0	8
		Total	17	24	7	0	1	0	0	0	49
1978	Same bay	TTS	26	10	4	0	4	0	0	44	
		Outside TTS	2	2	0	0	1	0	0	0	5
		Total	28	12	4	0	5	0	0	0	49
1979	Same bay	Other bay	28	4	3	1	4	0	0	40	
		TTS	0	1	0	0	1	0	0	0	2
		Unknown	1	1	0	0	0	0	0	0	2
		Total	30	6	3	1	5	0	0	0	45

Table 5. (Cont'd.)

Bay/area	Recapture year	Recapture location	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other species	All species
1980		Same bay	55	25	0	1	1	0	0	82
		TTS	3	1	0	0	0	0	0	4
		Total	58	26	0	1	1	0	0	86
1981		Same bay	13	65	3	0	0	0	0	81
		TTS	3	3	0	0	0	0	0	3
		Unknown	1	2	0	0	0	0	0	3
		Total	14	70	3	0	0	0	0	87
1982		Same bay	26	82	0	0	1	0	0	109
		TTS	3	17	0	0	0	0	0	20
		Total	29	99	0	0	1	0	0	129
1983		Same bay	58	58	1	0	0	0	0	117
		TTS	10	8	0	0	0	0	0	18
		Unknown	0	1	0	0	0	0	0	1 <sup>a</sup>
		Total	68	67	1	0	0	0	0	137
1984		Same bay	44	25	0	0	0	0	0	69
		Other bay	1	1	0	0	0	0	0	2
		TTS	10	3	0	0	0	0	0	13
		Total	55	29	0	0	0	0	0	84
1985		Same bay	66	9	3	1	4	0	3 <sup>b</sup>	86
		TTS	6	1	0	0	0	0	0	7
		Total	72	10	3	1	4	0	3	93
1986		Same bay	92	10	0	0	0	0	1 <sup>b</sup>	103
		TTS	10	1	0	0	0	0	0	11
		Outside TTS	1	0	0	0	0	0	0	1
		Unknown	0	0	1	0	0	0	0	1
Total	103	11	1	0	0	0	0	1	116	
1987		Same bay	45	4	6	0	3	0	0	58
		TTS	7	1	1	0	0	0	0	9
		Outside TTS	3	0	0	0	0	0	0	3
		Unknown	3	0	0	0	2	0	0	5
Total	58	5	7	0	5	0	0	0	75	
1988		Same bay	29	1	5	0	1	0	24 <sup>b</sup>	60
		TTS	1	1	0	0	0	0	0	2
		Outside TTS	2	0	0	0	0	0	0	2
Total	32	2	5	0	1	0	0	24	64	
1989		Same bay	13	3	1	0	2	0	13 <sup>b</sup>	32
		TTS	1	3	1	0	0	0	0	5
		Total	14	6	2	0	2	0	0	13

Table 5. (Cont'd.)

Bay/area	Recapture year	Recapture location	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other species	All species
Cedar Lakes	1990	Same bay	18	6	5	0	2	0	1 <sup>b</sup>	32
		TTS	0	0	1	0	0	0	0	1
		Unknown	0	0	1	0	0	0	0	1
		Total	18	6	7	0	2	0	1	34
Cedar Lakes	1989	Other bay	0	0	0	0	0	0	1 <sup>b</sup>	1
		Total	0	0	0	0	0	0	1	1
		Total	0	0	0	0	0	0	0	0
East Mateagorda	1976	Same bay	13	0	5	0	0	0	0	18
		Unknown	0	0	1	0	0	0	0	1
		Total	13	0	6	0	0	0	0	0
Cedar Lakes	1977	Same bay	19	0	25	0	7	0	0	51
		Other bay	2	0	2	0	1	0	0	5
		TTS	1	0	0	0	0	0	0	1
		Total	22	0	27	0	8	0	0	57
Cedar Lakes	1978	Same bay	9	0	12	1	2	0	0	24
		Other bay	0	0	3	0	1	0	0	4
		TTS	2	0	0	0	0	0	0	2
		Total	11	0	15	1	3	0	0	30
Cedar Lakes	1979	Same bay	5	0	5	2	1	0	0	13
		Other bay	0	0	0	0	1	0	0	1
		TTS	0	0	1	0	0	0	0	1
		Total	5	0	6	2	2	0	0	15
Cedar Lakes	1980	Same bay	7	0	0	0	0	0	0	7
		Other bay	1	0	0	0	1	0	0	2
		TTS	2	0	0	0	0	0	0	2
		Total	10	0	0	0	1	0	0	11
Cedar Lakes	1981	Same bay	5	16	4	0	1	0	0	26
		Other bay	1	6	1	0	0	0	0	8
		TTS	0	1	0	0	0	0	0	1
		Total	6	23	5	0	1	0	0	35
Cedar Lakes	1982	Same bay	4	24	4	0	1	0	0	33
		Other bay	0	2	1	1	0	0	0	4
		TTS	3	0	0	0	0	0	0	3
		Unknown	0	1	0	0	0	0	1	
		Total	7	27	5	1	1	0	0	41
Cedar Lakes	1983	Same bay	7	29	1	0	0	0	0	37
		Other bay	0	4	0	0	0	0	0	4
		TTS	0	6	0	0	0	0	0	6
		Total	7	39	1	0	0	0	0	47



Table 5. (Cont'd.)

Bay/area	Recapture year	Recapture location	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other species	All species
1984	Same bay	6	4	3	0	0	0	0	0	13
	Other bay	3	1	0	0	0	0	0	0	4
	TTS	2	1	0	0	0	0	0	0	3
	Total	11	6	3	0	0	0	0	0	20
1985	Same bay	1	1	0	0	0	0	0	0	2
	Other bay	0	1	0	1	0	0	0	0	2
	TTS	1	0	1	1	0	0	0	0	3
	Total	2	2	1	2	0	0	0	0	7
1986	Same bay	8	0	1	1	1	1	0	0	11
	Other bay	1	0	3	0	0	0	0	0	4
	TTS	1	0	1	0	0	0	0	0	2
	Total	10	0	5	1	1	1	0	0	17
1987	Same bay	17	0	1	1	1	2	0	0	21
	Other bay	0	0	1	0	0	0	0	0	1
	TTS	2	0	0	0	0	0	0	0	2
	Total	19	0	2	1	2	2	0	0	24
1988	Same bay	9	1	2	0	1	1	0	0	13
	Other bay	1	0	1	0	0	0	0	0	2
	TTS	10	1	3	0	1	1	0	0	15
	Total	20	2	6	0	2	2	0	0	31
1989	Same bay	7	0	1	0	0	0	0	0	8
	Other bay	0	0	1	0	0	0	0	0	1
	TTS	2	0	0	0	0	0	0	0	2
	Total	9	0	2	0	0	0	0	0	11
1990	Same bay	3	0	5	0	1	1	0	0	9
	Other bay	1	0	0	0	0	0	0	0	1
	TTS	4	0	5	0	1	1	0	0	10
	Total	8	0	10	0	2	2	0	0	12
Matagorda	Other bay	0	0	1	0	0	0	0	0	1
	Total	0	0	1	0	0	0	0	0	1
1975	Same bay	1	0	0	0	0	0	0	0	1
	Total	1	0	0	0	0	0	0	0	1
1976	Same bay	43	0	14	0	3	3	1	0	61
	Other bay	1	0	1	0	0	0	0	0	2
	Total	44	0	15	0	3	3	1	0	63
1977	Same bay	82	0	30	1	3	3	0	0	116
	Other bay	2	0	1	0	0	0	0	0	3
	TTS	0	0	1	0	0	0	0	0	1
	Unknown	1	0	1	0	0	0	0	0	2
	Total	85	0	33	1	3	3	0	0	122

Table 5. (Cont'd.)

Bay/area	Recapture year	Recapture location	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other species	All species
1978		Same bay	128	11	41	0	2	0	0	182
		Other bay	9	0	4	1	0	0	0	14
		TTS	1	0	1	0	0	0	0	2
		Unknown	9	0	5	0	0	0	0	14
		Total	147	11	51	1	2	0	212	
1979		Same bay	102	6	14	1	1	0	0	124
		Other bay	3	0	1	0	0	0	0	4
		TTS	4	0	3	0	0	0	0	7
		Unknown	7	0	0	0	1	0	0	8
		Total	116	6	18	1	2	0	143	
1980		Same bay	95	1	4	0	0	0	0	100
		Other bay	4	0	0	0	0	0	0	4
		TTS	5	0	1	1	0	0	0	7
		Unknown	3	0	0	0	0	0	0	3
		Total	107	1	5	1	0	0	114	
1981		Same bay	45	21	1	1	0	0	0	68
		TTS	1	2	0	0	0	0	0	3
		Total	46	23	1	1	0	0	0	71
1982		Same bay	12	44	2	0	0	0	0	58
		Other bay	1	1	0	0	0	0	0	2
		TTS	5	2	0	0	0	0	0	7
		Total	18	47	2	0	0	0	0	67
1983		Same bay	11	36	1	0	0	0	0	48
		Other bay	0	3	0	0	0	0	0	3
		TTS	0	1	0	0	0	0	0	1
		Unknown	0	1	0	0	0	0	0	1
		Total	11	41	1	0	0	0	53	
1984		Same bay	5	22	3	0	1	0	0	31
		Other bay	4	10	0	0	0	0	0	14
		TTS	3	6	1	0	0	0	0	10
		Total	12	38	4	0	1	0	0	55
1985		Same bay	5	6	6	0	1	0	0	18
		Other bay	0	2	0	1	0	0	0	3
		TTS	4	2	1	0	0	0	0	7
		Total	9	10	7	1	1	0	0	28
1986		Same bay	21	0	1	2	0	0	0	24
		Other bay	1	1	0	0	0	0	0	2
		TTS	2	1	0	0	0	0	0	3
		Unknown	1	0	0	0	1	0	0	2
		Total	25	2	1	2	1	0	31	

Table 5. (Cont'd.)

Bay/area	Receipture year	Receipture location	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other species	All species	
1987		Same bay	19	0	1	0	1	0	0	21	
		Other bay	1	0	0	0	0	0	0	1	
		TTS	2	0	0	1	0	0	0	3	
		Unknown	2	0	0	0	1	0	0	3	
		Total	24	0	1	1	2	0	0	28	
1988		Same bay	20	0	4	0	0	0	0	24	
		Other bay	1	0	0	0	0	0	0	1	
		TTS	2	0	0	0	0	0	0	2	
		Unknown	23	0	4	0	0	0	0	0	27
		Total	23	0	4	0	0	0	0	27	
1989		Same bay	13	0	2	0	0	0	0	15	
		Other bay	1	0	0	0	0	0	0	1	
		TTS	14	0	2	0	0	0	0	16	
		Unknown	14	0	2	0	0	0	0	0	16
		Total	14	0	2	0	0	0	0	16	
1990		Same bay	3	0	3	0	2	0	0	8	
		Other bay	1	0	0	0	0	0	0	1	
		TTS	0	0	1	0	0	0	0	1	
		Unknown	4	0	4	0	2	0	0	0	10
		Total	4	0	4	0	2	0	0	10	
Unknown		Same bay	1	0	0	0	0	0	0	1	
		Other bay	17	0	5	0	0	0	0	0	22
		TTS	18	0	5	0	0	0	0	0	23
		Unknown	18	0	5	0	0	0	0	0	23
		Total	18	0	5	0	0	0	0	23	
1975		Same bay	0	0	1	0	0	0	0	1	
		Other bay	0	0	1	0	0	0	0	0	1
1976		Same bay	40	0	3	1	0	2	0	46	
		Other bay	2	0	0	2	0	0	0	4	
		TTS	1	0	0	0	0	0	0	1	
		Unknown	43	0	3	3	0	2	0	0	51
		Total	43	0	3	3	0	2	0	51	
1977		Same bay	50	0	11	0	3	0	0	64	
		Other bay	1	0	4	0	2	0	0	7	
		TTS	1	0	0	0	0	0	0	1	
		Unknown	4	0	2	1	0	0	0	0	7
		Total	56	0	17	0	6	0	0	79	
1978		Same bay	57	0	8	0	3	0	0	68	
		Other bay	6	0	3	0	0	0	0	9	
		TTS	2	0	0	0	0	0	0	2	
		Unknown	1	0	0	0	0	0	0	0	1
		Outside TTS	1	0	0	0	0	0	0	1	
		Unknown	0	0	0	0	0	0	0	0	
		Total	66	0	13	0	3	0	0	82	

Table 5. (Cont'd.)

Bay/area	Recapture year	Recapture location	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other species	All species
1979		Same bay	71	0	2	2	6	0	0	81
		Other bay	8	0	3	0	0	0	0	11
		ITS	1	0	0	0	0	0	0	1
		Unknown	4	0	1	1	0	0	0	0
		Total	84	0	6	3	6	0	0	99
1980		Same bay	44	0	4	1	2	0	0	51
		Other bay	2	0	0	1	0	0	0	3
		ITS	2	0	0	0	0	0	0	2
		Unknown	5	0	1	0	0	0	0	0
		Total	53	0	5	2	2	0	0	62
1981		Same bay	20	8	1	1	0	0	0	30
		Other bay	4	3	2	1	0	0	0	10
		ITS	2	0	0	0	0	0	0	2
		Unknown	1	0	0	0	0	0	0	0
		Total	27	11	3	2	0	0	43	
1982		Same bay	8	10	5	1	0	0	0	24
		Other bay	1	4	1	0	0	0	0	6
		ITS	0	1	0	3	0	0	0	4
		Unknown	9	15	6	4	0	0	0	0
		Total	18	30	12	8	0	0	66	
1983		Same bay	5	27	0	1	0	0	0	33
		Other bay	0	10	0	1	0	0	0	11
		ITS	5	37	0	2	0	0	0	44
		Unknown	1	0	0	0	0	0	0	0
		Total	11	74	0	4	0	0	85	
1984		Same bay	7	1	0	0	2	0	0	10
		Other bay	2	1	1	0	2	0	0	6
		ITS	1	0	0	0	0	0	0	1
		Unknown	1	0	0	0	0	0	0	1
		Total	11	2	1	4	0	0	18	
1985		Same bay	10	0	2	0	0	0	0	12
		Other bay	1	0	0	0	0	0	0	1
		ITS	1	1	0	0	0	0	0	2
		Unknown	12	1	2	0	0	0	0	0
		Total	24	2	4	0	0	0	30	
1986		Same bay	16	0	1	0	2	0	0	19
		Other bay	2	0	1	0	0	0	0	3
		ITS	1	0	0	0	0	0	0	1
		Unknown	1	0	0	0	0	0	0	1
		Total	20	0	2	2	0	0	24	
1987		Same bay	20	3	2	0	2	0	0	27
		Other bay	3	1	2	0	0	0	0	7
		ITS	1	0	0	0	0	0	0	1
		Unknown	0	0	0	0	0	0	0	0
		Total	24	4	5	2	0	0	36	

Table 5. (Cont'd.)

Bay/area	Recapture year	Recapture location	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other species	All species		
1988		Same bay	21	1	2	0	1	1	0	26		
		Other bay	2	0	2	0	0	0	0	4		
		TTS	1	0	0	0	0	0	0	1		
		Outside TTS	1	0	0	0	0	0	0	1		
		Unknown	0	0	1	0	0	0	0	1		
		Total	25	1	5	0	1	1	1	0	33	
		1989		Same bay	11	1	1	0	1	0	0	14
				TTS	0	0	1	0	0	0	0	1
				Total	11	1	2	0	1	0	0	15
		1990		Same bay	7	0	1	0	1	0	0	9
Other bay	1			0	1	0	0	0	0	2		
TTS	1			0	1	0	0	0	0	2		
Total	9			0	3	0	1	0	0	13		
Unknown		Same bay	0	0	0	1	0	0	0	1		
		Other bay	1	0	0	0	0	0	0	1		
		Unknown	1	0	0	0	0	0	0	1		
		Total	2	0	0	1	0	0	0	3		
1976		Same bay	56	0	23	2	1	1	0	83		
		Other bay	1	0	2	2	1	0	0	6		
		TTS	1	0	0	1	0	0	0	2		
		Unknown	1	0	0	0	0	0	0	3		
Total	59	0	25	5	2	1	1	2	94			
1977		Same bay	49	1	23	4	0	0	0	77		
		Other bay	2	0	3	0	0	0	0	5		
		TTS	0	0	0	1	0	0	0	1		
		Unknown	1	0	1	0	0	0	0	2		
Total	52	1	27	5	0	0	0	0	85			
1978		Same bay	101	2	16	5	3	0	0	127		
		Other bay	5	0	3	1	0	0	0	9		
		TTS	1	0	0	0	0	0	0	1		
		Unknown	7	0	4	0	0	0	0	11		
Total	114	2	23	6	3	0	0	0	148			
1979		Same bay	107	4	18	4	1	1	0	135		
		Other bay	7	2	2	0	0	0	0	11		
		TTS	5	0	1	3	0	0	0	9		
		Unknown	8	0	3	0	0	0	0	11		
Total	127	6	24	7	1	1	1	0	166			
1980		Same bay	246	18	21	3	2	0	0	290		
		Other bay	12	2	3	1	0	0	0	18		
		TTS	6	0	1	0	1	0	0	8		
		Unknown	22	1	3	0	1	0	0	27		
Total	286	21	28	4	4	1	1	0	343			

Table 5. (Cont'd.)

Bay/area	Recapture year	Recapture location	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other species	All species	
1981		Same bay	144	36	9	2	2	0	0	193	
		Other bay	4	0	2	2	1	0	0	9	
		ITS	7	1	0	1	0	0	0	9	
		Unknown	32	8	4	0	1	0	0	0	45
		Total	187	45	15	5	4	0	0	256	
1982		Same bay	87	48	23	2	0	0	0	160	
		Other bay	2	6	2	1	0	0	0	0	11
		ITS	9	0	2	2	1	0	0	0	14
		Total	98	54	27	5	1	0	0	0	185
1983		Same bay	21	47	6	4	2	0	0	80	
		Other bay	2	3	2	0	0	0	0	0	7
		ITS	2	2	0	1	0	0	0	0	5
		Total	25	52	8	5	2	0	0	0	92
1984		Same bay	7	4	0	0	1	0	0	12	
		Other bay	1	1	1	0	1	0	0	0	4
		ITS	2	1	0	0	0	0	0	0	3
		Total	10	5	2	0	2	0	0	0	19
1985		Same bay	18	1	4	0	1	0	0	24	
		Other bay	0	0	0	1	0	0	0	0	1
		ITS	18	1	4	1	1	0	0	0	25
		Total	36	2	8	1	1	0	0	0	44
1986		Same bay	20	2	6	0	1	0	0	29	
		Other bay	0	0	2	0	0	0	0	0	2
		ITS	0	0	1	0	0	0	0	0	1
		Total	20	2	9	0	1	0	0	0	32
1987		Same bay	35	1	6	0	0	0	0	42	
		Other bay	0	0	2	0	0	0	0	0	2
		ITS	35	1	8	0	0	0	0	0	44
		Total	70	2	14	0	0	0	0	0	88
1988		Same bay	13	0	4	1	0	0	0	18	
		Other bay	0	0	1	0	0	0	0	0	1
		ITS	13	0	5	1	0	0	0	0	19
		Total	26	0	9	2	0	0	0	0	37
1989		Same	18	0	1	0	0	0	0	19	
		Other bay	2	0	0	0	0	0	0	0	2
		ITS	1	0	0	0	0	0	0	0	1
		Total	21	0	1	0	0	0	0	0	22
1990		Same	11	0	4	2	0	0	0	17	
		Total	11	0	4	2	0	0	0	0	17
Unknown		ITS	0	0	1	0	0	0	0	1	
		Total	0	0	1	0	0	0	0	0	1

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Table 5. (Cont'd.)

Bay/area	Recapture year	Recapture location	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other species	All species
1975	Total	Same bay	1	0	0	0	1	0	0	2
		Total	1	0	0	0	1	0	0	2
1976	Total	Same bay	23	0	2	2	2	0	0	29
		Other bay	5	0	1	0	0	0	0	6
1977	Total	Same bay	38	2	8	4	2	0	1 <sup>e</sup>	55
		Other bay	8	0	1	2	1	0	0	12
1978	Total	Same bay	60	0	7	3	5	0	0	75
		Other bay	13	0	6	0	0	0	0	19
1979	Total	Same bay	36	1	3	1	4	0	0	45
		Other bay	9	0	0	0	1	0	0	10
1980	Total	Same bay	58	7	3	3	3	0	0	74
		Other bay	5	2	2	0	0	0	0	9
1981	Total	Same bay	22	17	1	0	1	0	0	41
		Other bay	5	2	0	0	0	0	0	7
1982	Total	Same bay	6	44	2	0	1	0	0	53
		Other bay	4	5	2	0	0	0	0	11
1983	Total	Same bay	9	48	2	0	0	0	0	59
		Other bay	0	10	0	0	1	0	0	11
1984	Total	Same bay	9	59	2	1	1	0	0	72
		Other bay	0	1	0	1	0	0	0	2

Table 5. (Cont'd.)

Bay/area	Recapture year	Recapture location	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other species	All species
1984		Same bay	13	4	0	0	1	1	0	19
		Other bay	1	0	0	0	0	0	0	1
		Total	14	4	0	0	1	1	0	20
1985		Same bay	18	5	2	1	2	0	0	28
		Other bay	0	2	0	0	0	0	0	2
		TTS	1	0	0	0	0	0	0	1
		Unknown	0	0	0	0	1	0	0	1
	Total	19	7	2	1	3	0	0	32	
1986		Same bay	14	1	2	0	2	0	0	19
		Other bay	1	1	0	0	0	0	0	2
		TTS	0	0	0	1	0	0	0	1
		Total	15	2	2	1	2	0	0	22
1987		Same bay	11	2	2	1	1	0	0	17
		Other bay	0	1	1	0	0	0	0	2
		Unknown	1	1	0	0	0	0	0	2
		Total	12	4	3	1	1	0	0	21
1988		Same bay	9	1	1	0	1	0	0	12
		Other bay	0	0	1	0	0	0	0	1
		Total	9	1	2	0	1	0	0	13
1989		Same bay	21	0	5	0	0	0	0	26
		Other bay	2	0	1	0	0	0	0	3
		Unknown	1	0	0	0	0	0	0	1
		Total	24	0	6	0	0	0	0	30
1990		Same bay	16	0	1	1	3	0	0	21
		Other bay	3	0	0	0	0	0	0	3
		TTS	1	0	0	0	0	0	0	1
	Total	20	0	1	1	3	0	0	25	
Upper Laguna Madre		Same bay	0	0	0	0	1	0	0	1
		Total	0	0	0	0	1	0	0	1
1976		Same bay	15	0	6	0	1	0	1 <sup>0</sup>	23
		Other bay	7	0	0	0	0	0	0	7
		TTS	1	0	0	0	0	0	0	1
		Outside TTS	1	0	0	0	0	0	0	1
	Total	24	0	6	0	1	0	1	32	
1977		Same bay	22	0	13	0	0	0	0	35
		Other bay	6	0	3	0	0	0	0	9
		Unknown	1	0	0	0	0	0	0	1
	Total	29	0	16	0	0	0	0	45	



Table 5. (Cont'd.)

Bay/area	Receipture year	Receipture location	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other species	All species
1978		Same bay	17	3	14	0	0	0	0	34
		Other bay	3	0	6	0	1	0	0	10
		Unknown	3	0	8	0	0	0	0	11
	Total	23	3	28	0	1	0	0	0	55
1979		Same bay	23	2	61	0	1	0	0	87
		Other bay	1	0	5	0	0	0	0	6
		Unknown	0	0	1	0	0	0	0	1
	Total	24	2	67	0	1	0	0	0	94
1980		Same bay	28	1	26	0	2	0	0	57
		Other bay	6	0	1	0	0	0	0	7
		Unknown	5	0	3	0	0	0	0	8
	Total	39	1	30	0	2	0	0	0	72
1981		Same bay	21	10	8	0	1	0	0	40
		Other bay	1	3	0	0	0	0	0	4
		ITS	2	0	0	0	0	0	0	2
	Unknown	3	0	1	0	0	0	0	0	4
	Total	27	13	9	0	1	0	0	0	50
1982		Same bay	5	31	1	0	0	0	0	37
		Other bay	1	0	1	0	0	0	0	2
		Total	6	31	2	0	0	0	0	39
1983		Same bay	5	40	0	0	0	0	0	45
		Other bay	1	7	0	0	0	0	0	8
		ITS	1	0	0	0	0	0	0	1
	Total	7	47	0	0	0	0	0	0	54
1984		Other bay	1	0	0	0	0	0	0	1
		Total	1	0	0	0	0	0	0	1
1985		Same bay	16	0	2	0	0	0	0	18
		Other bay	3	0	0	0	0	0	0	3
		Total	19	0	2	0	0	0	0	21
1986		Same bay	10	0	0	0	0	0	0	10
		Other bay	0	1	0	0	0	0	0	1
		ITS	0	0	1	0	0	0	0	1
	Total	10	1	1	0	0	0	0	0	12
1987		Same bay	2	1	1	0	0	0	0	4
		Other bay	1	0	0	0	0	0	0	1
		Total	3	1	1	0	0	0	0	5

Table 5. (Cont'd.)

Bay/area	Recepture year	Recepture location	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other species	All species
1988		Same bay	6	0	0	0	0	0	0	6
		Other bay	1	0	0	0	0	0	0	1
		Total	7	0	0	0	0	0	0	7
1989		Same bay	4	0	0	0	0	0	0	4
		Other bay	0	0	0	0	1	0	0	1
		Total	4	0	0	0	1	0	0	5
1990		Same bay	1	0	3	0	0	0	0	4
		Other bay	1	0	1	0	0	0	0	2
		TTS	0	1	0	0	0	0	0	1
		Total	2	1	4	0	0	0	0	7
Unknown		Unknown	0	1	0	0	0	0	0	1
		Total	0	1	0	0	0	0	0	1
1976		Same bay	30	0	7	0	0	0	1 <sup>5</sup>	38
		Total	30	0	7	0	0	0	1	38
1977		Same bay	40	1	12	1	1	0	0	55
		Other bay	0	0	3	0	0	0	0	3
		TTS	1	0	0	0	0	0	0	1
		Outside TTS	1	0	1	0	0	0	0	2
		Unknown	2	0	2	0	0	0	0	4
	Total	44	1	18	1	1	0	0	65	
1978		Same bay	75	5	19	1	1	0	0	101
		Other bay	0	0	3	0	0	0	0	3
		TTS	0	0	1	0	0	0	0	1
		Outside TTS	0	0	0	0	0	1	0	1
		Unknown	0	0	3	0	0	0	0	3
	Total	75	5	26	1	1	1	0	109	
1979		Same bay	34	11	12	2	0	0	0	59
		Other bay	3	0	3	1	0	0	0	7
		Outside TTS	0	0	0	1	0	0	0	1
		Unknown	6	0	3	0	0	0	0	9
		Total	43	11	18	4	0	0	0	76
1980		Same bay	13	4	3	0	0	0	1 <sup>a</sup>	21
		Other bay	1	1	1	1	0	0	0	4
		Total	14	5	4	1	0	0	1	25
1981		Same bay	22	12	1	0	0	0	0	35
		Other bay	3	1	0	0	0	0	0	4
		TTS	1	0	0	0	0	0	0	1
		Outside TTS	0	0	1	0	0	0	0	1
		Total	26	13	2	0	0	0	0	41



Table 5. (Cont'd.)

Bay/area	Recapture year	Recapture location	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other species	All species	
1976		Same bay	236	29	65	5	9	4	3	351	
		Other bay	17	0	4	4	1	0	0	26	
		TTS	4	1	0	1	0	0	0	0	6
		Outside TTS	1	0	0	0	0	0	0	0	1
		Unknown	1	1	1	0	0	0	0	2	5
Total	259	31	70	10	10	4	4	5	389		
1977		Same bay	316	22	128	10	17	0	1	494	
		Other bay	21	0	17	2	4	0	0	0	44
		TTS	5	6	2	1	0	0	0	0	14
		Outside TTS	1	0	1	0	0	0	0	0	2
		Unknown	10	0	6	0	1	0	0	0	17
Total	353	28	154	13	22	0	0	1	571		
1978		Same bay	473	31	121	10	20	0	0	655	
		Other bay	36	0	28	2	2	0	0	0	68
		TTS	8	2	2	2	1	0	0	0	15
		Outside TTS	1	0	0	0	0	0	1	0	2
		Unknown	28	0	24	1	0	0	0	0	53
Total	546	33	175	15	23	1	1	0	793		
1979		Same bay	406	28	118	13	18	1	0	584	
		Other bay	31	3	14	1	3	0	0	0	52
		TTS	12	1	5	3	0	0	0	18	39
		Outside TTS	2	0	0	1	0	0	0	3	6
		Unknown	32	0	8	1	2	0	0	0	43
Total	483	32	145	19	23	1	1	21	724		
1980		Same bay	546	56	61	8	10	0	1	682	
		Other bay	31	5	7	3	1	0	0	0	47
		TTS	21	1	2	1	1	0	0	0	26
		Unknown	52	4	9	0	2	0	0	0	67
		Total	650	66	79	12	14	0	0	1	822
1981		Same bay	292	185	28	4	5	0	0	514	
		Other bay	18	15	5	3	1	0	0	0	42
		TTS	15	7	0	1	0	0	0	0	23
		Outside TTS	0	0	1	0	0	0	0	0	1
		Unknown	65	12	5	0	4	0	0	0	86
Total	390	219	39	8	10	0	0	0	666		
1982		Same bay	166	313	39	3	3	0	0	524	
		Other bay	10	23	7	2	0	0	0	0	42
		TTS	26	21	2	5	1	0	0	0	55
		Unknown	1	2	0	0	0	0	0	0	3
		Total	203	359	48	10	4	0	0	0	624

Table 5. (Cont'd.)

Bay/area	Recapture year	Recapture location	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other species	All species
1983		Same bay	126	339	11	5	2	0	0	483
		Other bay	3	40	2	1	1	0	0	47
		TTS	13	18	0	2	0	0	0	33
		Unknown	0	3	0	0	0	0	0	4
		Total	142	400	13	8	3	0	1	567
1984		Same bay	92	67	6	0	5	1	0	171
		Other bay	13	14	2	0	3	0	0	32
		TTS	18	10	2	0	0	0	0	30
		Outside TTS	1	0	0	0	0	0	0	0
		Total	124	91	10	0	8	1	0	234
1985		Same bay	156	25	19	2	8	0	3	213
		Other bay	5	7	0	3	0	0	0	15
		TTS	13	4	2	1	0	0	0	20
		Unknown	1	0	0	0	1	0	0	2
		Total	175	36	21	6	9	0	3	250
1986		Same bay	220	14	17	3	7	0	1	262
		Other bay	5	4	6	0	0	0	0	15
		TTS	15	2	3	1	0	0	0	21
		Outside TTS	2	0	0	0	0	0	0	2
		Unknown	1	0	1	0	1	0	3	
		Total	243	20	27	4	8	0	1	303
1987		Same bay	187	11	26	2	10	0	0	236
		Other bay	5	2	6	0	0	0	1	14
		TTS	12	1	1	1	1	0	0	16
		Outside TTS	4	0	0	0	0	0	0	4
		Unknown	9	1	2	0	4	0	16	
		Total	217	15	35	3	15	0	1	286
1988		Same bay	117	4	18	1	4	1	24	169
		Other bay	6	0	5	0	0	0	0	11
		TTS	4	3	0	0	0	0	0	8
		Outside TTS	4	0	0	0	0	0	0	4
		Unknown	0	0	1	0	0	0	1	
		Total	131	7	24	1	4	1	25	193
1989		Same bay	105	4	13	0	3	0	13	138
		Other bay	5	0	3	0	1	0	1	9
		TTS	4	3	2	0	0	0	0	10
		Unknown	1	0	0	0	0	0	0	1
		Total	115	97	18	0	4	14	158	

Table 5. (Cont'd.)

Bay/area	Recapture Year	Recapture location	Red drum	Spotted seatrout	Black drum	Sheepshead	Southern flounder	Gulf flounder	Other species	All species
	1990	Same bay	72	6	22	3	9	0	1	112
		Other bay	7	0	2	0	0	0	0	9
		TTS	2	1	3	0	0	0	0	6
		Outside TTS	0	0	1	0	0	0	0	1
		Unknown	0	0	1	0	0	0	0	2
		Total	81	7	29	3	9	0	1	130
Grand Total		Same bay	3,515	1,134	693	70	132	7	47	5,598
		Other bay	214	113	109	21	17	0	2	475
		TTS	173	81	27	19	4	0	19	324
		Outside TTS	16	0	3	1	0	1	3	24
		Unknown	219	24	63	2	15	0	3	326
		Total	4,137	1,352	895	113	168	8	74	6,747

<sup>a</sup>Atlantic croaker

<sup>b</sup>Striped bass

<sup>c</sup>Carpon

<sup>d</sup>Spot

<sup>e</sup>Hardhead catfish

<sup>f</sup>Red snapper

<sup>g</sup>Striped mullet

Table 6. Total number of rewards and total amount paid for returned internal abdominal anchor tags during November 1975-December 1990.

Bay/area	Recapture Year	Number of rewards					Total amount paid \$
		\$1	\$5	\$10	\$25	Total	
Sabine Lake	1986	9	1	0	0	10	14
	1987	16	0	1	1	18	51
	1988	3	1	1	0	5	18
	1989	9	0	0	0	9	9
	1990	1	1	0	0	2	6
Galveston	Unknown	1	0	0	0	1	1
	1975	2	0	0	0	2	2
	1976	53	1	1	0	55	68
	1977	44	1	1	1	47	84
	1978	43	3	0	3	49	133
	1979	38	1	4	1	44	108
	1980	67	10	5	3	85	242
	1981	78	4	4	1	87	163
	1982	115	4	7	1	127	230
	1983	116	5	4	2	127	231
	1984	71	4	5	2	82	191
	1985	81	4	3	2	90	181
	1986	95	7	5	2	109	230
	1987	64	5	4	0	73	124
	1988	58	3	2	1	64	118
	1989	34	1	1	0	36	49
	1990	29	1	0	1	31	59
Cedar Lakes	1989	1	0	0	0	1	1
	1990	0	0	0	0	0	0
East Matagorda	1976	16	3	0	0	19	31
	1977	50	2	3	2	57	140
	1978	25	1	3	1	30	85
	1979	15	0	0	0	15	15
	1980	8	2	1	0	11	28
	1981	33	1	1	0	35	48
	1982	39	0	1	0	40	49
	1983	37	6	2	1	46	112
	1984	14	0	4	0	18	54
	1985	6	0	0	1	7	31
	1986	15	0	0	1	16	40
	1987	18	1	2	1	22	68
	1988	10	2	0	0	12	20
Matagorda	1989	8	0	0	1	9	33
	1990	9	0	0	0	9	9
Matagorda	Unknown	1	0	0	0	1	1
	1975	1	0	0	0	1	1
	1976	56	5	1	0	62	91
	1977	106	2	7	1	116	211

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1978	170	11	8	4	193	405
1979	120	6	6	3	135	285



Table 6. (Cont'd.)

Bay/area	Recapture Year	Nuber of rewards					Total paid \$
		\$1	\$5	\$10	\$25	Total	
	1980	98	5	7	2	112	243
	1981	59	2	2	4	67	189
	1982	58	7	1	0	66	103
	1983	46	3	2	1	52	106
	1984	48	3	3	1	55	118
	1985	22	4	1	0	27	52
	1986	28	2	1	0	31	48
	1987	26	1	1	0	28	41
	1988	25	2	0	0	27	35
	1989	15	0	1	0	16	25
	1990	8	1	0	1	10	38
San Antonio	Unknown	21	1	1	0	23	36
	1975	1	0	0	0	1	1
	1976	44	1	3	1	49	104
	1977	64	2	4	2	72	164
	1978	65	6	6	1	78	180
	1979	73	8	7	4	92	283
	1980	52	3	4	0	59	107
	1981	37	1	2	0	40	62
	1982	28	2	2	0	32	58
	1983	39	0	3	1	43	94
	1984	15	1	0	2	18	70
	1985	12	1	1	0	14	27
	1986	23	1	0	0	24	28
	1987	30	1	4	0	35	75
	1988	26	1	1	0	28	41
	1989	14	1	0	0	15	19
	1990	11	1	0	0	12	16
Aransas	Unknown	3	0	0	0	3	3
	1975	0	0	0	0	0	0
	1976	78	4	4	6	92	288
	1977	74	5	2	2	83	169
	1978	131	6	7	1	145	256
	1979	144	11	5	1	161	274
	1980	272	9	14	6	301	607
	1981	211	2	9	5	227	436
	1982	155	8	12	5	180	440
	1983	77	4	5	0	86	147
	1984	17	0	0	0	17	17
	1985	21	1	2	0	24	46
	1986	26	1	2	1	30	76
	1987	38	3	2	1	44	98
	1988	16	0	3	0	19	46
	1989	19	0	1	1	21	54
	1990	15	1	1	0	17	30

Table 6. (Cont'd.)

Bay/area	Recapture Year	Number of rewards					Total amount paid \$
		\$1	\$5	\$10	\$25	Total	
Corpus Christi	Unknown	1	0	0	0	1	1
	1975	2	0	0	0	2	2
	1976	29	4	1	0	34	59
	1977	58	5	3	0	66	113
	1978	94	3	5	4	106	259
	1979	76	3	1	3	83	176
	1980	82	7	7	7	103	362
	1981	72	4	3	1	80	147
	1982	63	2	2	3	70	168
	1983	64	4	2	0	70	104
	1984	16	1	2	1	20	66
	1985	29	1	1	0	31	44
	1986	16	1	1	4	22	131
	1987	19	1	1	0	21	34
	1988	13	0	0	0	13	13
	1989	28	0	2	0	30	48
1990	24	0	0	0	24	24	
Upper Laguna Madre	1975	0	1	0	0	1	5
	1976	28	3	1	0	32	53
	1977	38	3	2	1	44	98
	1978	48	3	3	1	55	118
	1979	83	4	5	1	93	178
	1980	62	3	2	2	69	147
	1981	44	1	3	1	49	104
	1982	36	1	0	2	39	91
	1983	48	2	0	3	53	133
	1984	1	0	0	0	1	1
	1985	19	0	1	0	20	29
	1986	12	0	0	0	12	12
	1987	5	0	0	0	5	5
	1988	5	1	1	0	7	20
1989	5	0	0	0	5	5	
1990	4	0	1	0	5	14	
Lower Laguna Madre	Unknown	1	0	0	0	1	1
	1975	0	0	0	0	0	0
	1976	30	5	3	0	38	85
	1977	57	4	1	1	63	112
	1978	101	2	3	1	107	166
	1979	62	4	6	1	73	167
	1980	21	0	1	0	22	31
	1981	34	0	2	0	36	54
	1982	48	2	5	2	57	158
	1983	61	2	2	0	65	91
	1984	15	2	0	0	17	25
1985	24	1	1	2	28	89	

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1986	32	0	2	1	35	77
1987	26	2	2	0	30	56

Table 6. (Cont'd.)

Bay/area	Recapture Year	Number of rewards					Total	Total amount paid \$
		\$1	\$5	\$10	\$25	Total		
	1988	8	2	0	0	10	18	
	1989	7	0	2	1	10	52	
	1990	11	0	1	0	12	21	
Coastwide	Unknown	28	1	1	0	30	43	
	1975	6	1	0	0	7	11	
	1976	334	26	14	7	381	779	
	1977	491	24	23	10	548	1,091	
	1978	677	35	35	16	763	1,602	
	1979	611	37	34	14	696	1,486	
	1980	662	39	41	20	762	1,767	
	1981	568	15	26	12	621	1,203	
	1982	542	26	30	13	611	1,297	
	1983	488	26	20	8	542	1,018	
	1984	197	11	14	6	228	542	
	1985	214	12	10	5	241	499	
	1986	256	13	11	9	289	656	
	1987	242	14	17	3	276	557	
	1988	164	12	8	1	185	329	
	1989	140	2	7	3	152	295	
	1990	112	5	3	2	122	217	
Coastwide		5,732	299	294	129	6,454	13,392	

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