

# U.S. Marine Recreational Fisheries

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**DATA COLLECTION.** Detailed information on marine recreational fishing is required to support a variety of fishery management and development purposes and is mandated by the Sustainable Fisheries Act, Public Law 94-265. In 1979, NMFS began the comprehensive Marine Recreational Fishery Statistics Survey (MRFSS). Although the recreational harvest is only about 6 percent of the total U.S. harvest of finfish for states covered by the MRFSS (see MRFSS coverage on page 28), the fishing activities of millions of marine anglers are important to monitor because they are directed at relatively few species. Data collected through the MRFSS show that recreational fishing significantly impacts the stocks of many marine finfish species. Recreational catches even surpass commercial landings of some species (see figure on preceding page).

**METHODS.** The MRFSS consists of a telephone survey of coastal county households and a field intercept survey of completed angler fishing trips. The telephone survey collects data on the number of marine recreational fishing trips by residents of coastal counties. The intercept survey collects data on the proportion of fishing trips by residents of non-coastal counties, the species composition of catches, catch rates by species, and lengths and weights of landed fish. These data are combined to produce estimates of catch and effort. Catch estimates are separated into two categories – harvested catch and catch released alive. Harvested catch includes landed fish, catch used for bait, and catch released dead. Whenever possible MRFSS field interviewers identify, count, weigh, and measure landed fish that are available in whole form (catch type A). Angler reports are obtained for catch released alive (catch type B2) and for all other harvested catch (catch type B1), such as catch released dead, used for bait, or landed as fillets. Catch estimates are stratified by subregion, state, wave (bimonthly sampling period), species, fishing mode (private/rental boat, party/charter boat, and shore), primary area fished, and catch type. In addition, economic data are obtained and estimates of participation are produced.

The MRFSS was conducted in 2000 in all coastal states except Texas, Alaska, and Hawaii. It was also conducted in Puerto Rico and the U.S. Virgin Islands for the first time since 1981. Sampling coverage varies across the time series (see MRFSS coverage on page 28). Detailed information and access to the data are available on the Fisheries Statistics and Economics web page (<http://www.st.nmfs.gov/st1/recreational/>). Data from other NMFS and state surveys (e.g. southeast head boats,

Texas, California Passenger Fishing Vessels, Oregon/Washington ocean boats, Pacific salmon, Alaska) are not included in this report.

**DATA TABLES.** The estimated harvests (numbers and weight of fish) for the continental U.S. (excluding Texas, Alaska, Hawaii, Puerto Rico, and the U.S. Virgin Islands) are presented for 128 commonly caught species. Numbers of fish harvested and released alive are also presented for many important species groups. Estimated harvests are presented by subregion and primary fishing area: inland [sounds, rivers, bays], state territorial seas [ocean to 3 miles from shore, except for Florida's Gulf coast, where state territorial seas extend to 10 miles from shore], and Exclusive Economic Zone (EEZ) [ocean from the outer edge of the state territorial seas to 200 miles from shore]. The total numbers of estimated trips and participants are presented by state.

**2000 MRFSS DATA.** In 2000, over 9 million people made 76 million marine recreational fishing trips to the Atlantic, Gulf and Pacific coasts. The estimated total marine recreational catch was 429 million fish, of which over 57 percent were released alive. The estimated total weight of harvested catch was 254 million pounds. The Atlantic coast accounted for the majority of total marine angling participation (53 percent), trips (61 percent), and catch (58 percent). The Gulf coast (excluding Texas, see MRFSS coverage page) accounted for 25 percent of participation, 27 percent of trips, and 35 percent of the catch. The Pacific coast accounted for about 22 percent of participants, 12 percent of trips, and 7 percent of the catch. Nationally, most (61 percent in numbers of fish) of the recreational catch came from inland waters, 26 percent from state territorial seas, and 13 percent from the EEZ. The majority of Atlantic and Gulf trips fished primarily in inland waters, while most of the Pacific trips fished in the state territorial seas.

**ATLANTIC.** In 2000, over 5.5 million marine recreational fishing participants took over 46 million trips and caught a total of more than 252 million fish. Twenty-four percent of the trips were made in east Florida, followed by 14 percent in New Jersey, 13 percent in North Carolina, 10 percent in Massachusetts, 10 percent in New York, 8 percent in Maryland, and 7 percent in Virginia. Together, Connecticut, Rhode Island, and South Carolina accounted for 9 percent of the trips (3 percent each), and Delaware, Maine, Georgia, and New Hampshire accounted for the remaining 5 percent. The most commonly caught non-bait species (in numbers of fish)

# U.S. Marine Recreational Fisheries

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were Atlantic croaker, summer flounder, striped bass, black sea bass, and bluefish. The largest harvests by weight were striped bass, dolphin, yellowfin tuna, summer flounder, and bluefish.

The total annual catch of striped bass increased steadily and dramatically from 1.8 million fish in 1990 to 17.5 million fish in 1997. Although striped bass catch dropped to 16.6 million in 1998 and 14.2 million in 1999, it increased again in 2000 to 18.2 million fish. Over 89 percent of the striped bass caught in 2000 were released alive. Annual summer flounder catch has increased from 9.1 million fish in 1990 to over 24 million fish in 2000. Bluefish catch decreased from 16-18 million in 1990-1991 to levels varying between 9 and 13 million from 1992 through 1999, but reached 16 million again in 2000. Black sea bass catch, which has varied between 6 and 16 million fish from 1990 through 1999, exceeded 18 million in 2000.

The species most commonly caught on Atlantic coast trips that fished primarily in federally managed waters were black sea bass, Atlantic croaker, summer flounder, dolphin, bluefish, and Atlantic mackerel. Twenty-six percent of the total Atlantic catch came on saltwater trips that fished primarily in the state territorial seas, and 63 percent came on trips that fished primarily in inland waters.

**GULF OF MEXICO.** In 2000, over 2.6 million marine recreational fishing participants took over 20.4 million trips and caught a total of 149 million fish (excluding Texas). About 72 percent of the trips were made in west Florida, followed by 18 percent in Louisiana, 5 percent in Alabama, and 5 percent in Mississippi. The most commonly caught non-bait species (numbers of fish) were spotted seatrout (almost 19 percent of total Gulf catch), sand seatrout, red drum, white grunt, Atlantic croaker, red snapper, and gray snapper. The largest harvests by weight were for spotted seatrout, red drum, red snapper, sheepshead, dolphin, king mackerel, and sand seatrout.

Red snapper catches have varied over the last ten years between 1.5 (1991 and 1995) and 3.2 (1999) million fish, with a total catch near the 10-year mean (2.2 million) in 2000. King mackerel catches have varied between 420,000 (1999) and 750,000 (1991, 1996) over the last ten years, with a relatively low total catch of 450,000 in 2000. Spotted seatrout catches have varied between 19 million

(1993, 1994, 1996) and 26 million (1991) over the last ten years, with a new high of almost 28 million fish in 2000. Over the last ten years, red drum catches have varied between 5.9 million (1994) and 7.8 million (1992) fish, but catches in 2000 reached a new high of 8.5 million.

The species most commonly caught on Gulf of Mexico trips that fished primarily in federally managed waters were red snapper, white grunt, dolphin, black sea bass, and spotted seatrout. Twenty-seven percent of the total Gulf catch came on trips that fished primarily in the state territorial seas, and 64 percent came on trips that fished primarily in inland waters.

**PACIFIC.** In 2000, more than 2 million marine recreational fishing participants took 8.4 million trips and caught a total of almost 28 million fish. Seventy percent of the trips were made in CA, followed by 19 percent in WA, and 11 percent in OR. The most commonly caught non-bait species (in numbers of fish) were barred sand bass, kelp bass, surf smelt, black rockfish, California halibut, chub mackerel, Pacific barracuda, and lingcod. By weight, the largest harvests were yellowtail, black rockfish, California halibut, Pacific barracuda, barred sand bass kelp bass, and lingcod.

Total annual catch of lingcod, which has varied between 240,000 (1995) and 390,000 (1999) fish from 1993 through 1999, exceeded 540,000 fish in 2000. Most of this increase was due to fish released alive. Total black rockfish catch, which has varied between 600,000 (1997) and 1.2 million (1998) fish since 1993, exceeded 1.3 million fish in 2000.

The most commonly caught Pacific coast species in federally managed waters were barred sand bass, chub mackerel, Pacific barracuda, black rockfish, yellowtail rockfish, bocaccio, California scorpionfish, dolphin, and lingcod. Forty-seven percent of the total Pacific catch came from trips that fished primarily in the state territorial seas, and 36 percent came from trips that fished primarily in inland waters.

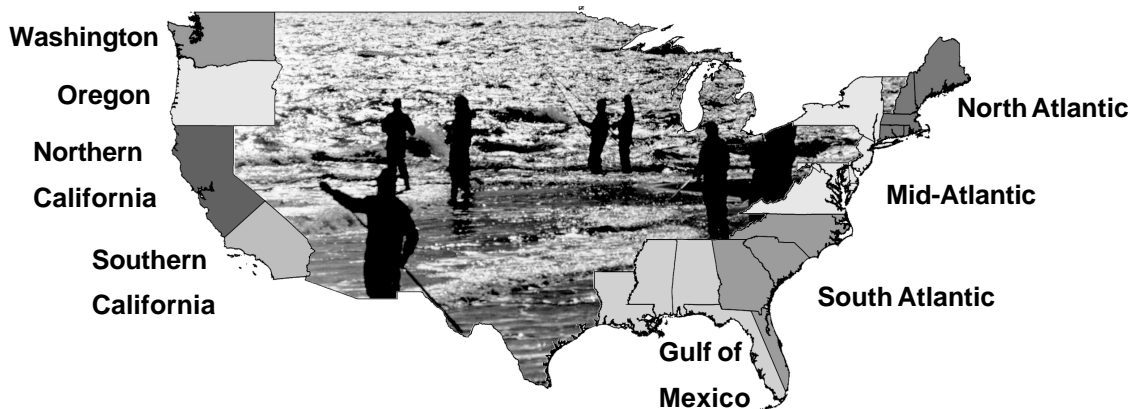
**PUERTO RICO.** In 2000, about 230,000 marine recreational participants took 1.2 million trips and caught a total of about 3.5 million fish. The most commonly caught non-bait species (in numbers of fish) were dolphin (182,000 fish) and lane snapper (126,000 fish). Estimated fishing participation, effort and catch data for Puerto Rico have not been included in the tables.

# U.S. Marine Recreational Fisheries

## Coverage of Marine Recreational Fishery Statistics Survey

1979-2000

The Marine Recreational Fishery Statistics Survey provides coverage of saltwater sport fishing (including estuarine and brackish water) from private/rental boats, charter and head boats, and the shore. In 2000, the Survey included the Atlantic coast (Maine-East Florida), Gulf coast (Louisiana-West Florida), Pacific coast (Washington through California), and Puerto Rico and U.S. Virgin Islands.



Care is advised when comparing catch estimates for the MRFSS time series because of differences in sampling coverage.

- In the South Atlantic and Gulf sub-regions (NC-LA) the MRFSS has not collected catch data from head boats since 1985, so estimates for these sub-regions now only include charter boats in the for-hire sector.
- Marine recreational fishing in Texas is monitored by the Texas Department of Parks and Wildlife and has not been surveyed by the MRFSS since 1985.
- Prior to 1998, on the Pacific coast, ocean boat trips and salmon trips were not sampled during certain waves because they were surveyed by state natural resource agencies.
- Alaska conducts an annual mail survey and has never been surveyed by the MRFSS.
- Hawaii and West Pacific U.S. territories have not been surveyed by the MRFSS since 1981.
- The U.S. Caribbean (Puerto Rico and U.S. Virgin Islands) was not surveyed between 1981 and 2000.

Historically, only about 5 percent of the annual recreational catch on the Atlantic and Gulf coasts is taken during Wave 1 (January - February). Costs to sample these months are very high due to low fishing activity. Therefore, in Jan/Feb of 1981 the MRFSS was not conducted in any region. In 1982, Jan/Feb data collection resumed on the Pacific and Gulf Coasts and also on the Atlantic Coast of Florida. With a few exceptions (GA 1985-1989, SC 1988, NC 1988-1992), the MRFSS has not been conducted in Jan/Feb on the Atlantic Coast north of Florida since 1980.

### Exceptions to MRFSS Coverage:

Nov/Dec (ME & NH) - 1987 to present

Nov/Dec (OR) - 1994

Mar/Apr (ME & NH) - 1986 to present

All Waves (CA-WA) - 1990 to 1993

Jan/Feb (No. CA-OR) - 1994

All Waves (WA) - 1993 to 1994

Jan/Feb (So. CA-OR) - 1995

# U.S. Marine Recreational Fisheries

## U.S. RECREATIONAL HARVEST (A+B1), BY SPECIES, 1999 AND 2000

Species	1999			2000			Average (1996-00) Thousand pounds
	Thousand pounds	Metric tons	Total Numbers (thousands)	Thousand pounds	Metric tons	Total Numbers (thousands)	
<b>Anchovies**</b>							
Northern Anchovy	54	24	104	(1)	(1)	425	12
Other Anchovies	(1)	(1)	(1)	(1)	(1)	8	(1)
Barracudas	1,192	541	139	906	411	132	1,387
Bluefish	8,610	3,906	3,856	10,488	4,759	4,842	11,708
California Scorpionfish	297	135	280	199	90	173	245
<b>Cartilaginous Fishes</b>							
Dogfish Sharks**	123	56	61	306	139	72	369
Skates/Rays**	195	88	81	175	80	134	183
Other Sharks**	2,790	1,266	209	3,133	1,422	326	3,256
<b>Catfishes**</b>							
Freshwater Catfishes	343	156	249	365	165	231	563
Saltwater Catfishes	654	297	460	1,060	481	664	948
<b>Cods And Hakes</b>							
Atlantic Cod	2,599	1,179	375	4,907	2,226	776	3,230
Pacific Cod	(1)	(1)	(1)	(1)	(1)	(1)	3
Pacific Hake	2	1	3	(1)	(1)	(1)	2
Pacific Tomcod	(1)	(1)	1	1	(1)	6	2
Pollock	196	89	218	816	370	419	495
Red Hake	59	27	118	16	7	97	148
Other Cods/Hakes	121	55	66	455	207	143	176
<b>Croakers</b>							
California Corbina	15	7	17	6	3	7	21
Queenfish	18	8	122	36	16	122	24
White Croaker	157	71	301	138	63	355	288
Other Croakers	499	226	93	642	291	95	349
Dolphins**	13,423	6,090	2,065	15,855	7,194	2,463	15,384
<b>Drums</b>							
Atlantic Croaker	7,628	3,461	10,090	10,188	4,623	12,102	7,733
Black Drum	2,012	913	723	4,913	2,229	1,280	2,790
Kingfishes	2,187	992	4,118	2,835	1,286	5,291	2,068
Red Drum	10,475	4,753	2,448	15,461	7,015	3,579	12,400
Sand Seatrout	2,833	1285	4,998	2,617	1,187	4,397	2,146
Silver Perch	101	46	373	92	42	628	95
Spot	1,664	755	3,734	2,009	912	4,787	2,300
Spotted Seatrout	13,546	6,146	10,603	16,256	7,376	12,619	12,213
Weakfish**	3,143	1,426	1,652	4,014	1,821	2,019	3,563
Other Drum	212	96	778	123	56	434	131
Eels**	12	5	14	16	7	54	12
<b>Flounders</b>							
California Halibut**	1,297	588	124	1,515	687	161	1,172
Gulf Flounder	229	104	162	272	123	165	217
Rock Sole	7	3	5	10	5	14	17
Sanddabs	82	37	225	225	102	591	150
Southern Flounder	1,456	661	958	1,617	734	993	1,421
Starry Flounder	8	4	11	11	5	6	11
Summer Flounder	8,382	3,803	4,123	15,857	7,195	7,513	11,701
Winter Flounder	768	348	724	1,967	892	1,420	1,345
Other Flounders**	676	307	168	496	225	251	631

See footnotes at end of table.

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Species	1999			2000			Average (1996-00) Thousand pounds
	Thousand pounds	Metric tons	Total Numbers (thousands)	Thousand pounds	Metric tons	Total Numbers (thousands)	
<b>Greenlings</b>							
Kelp Greenling	115	52	89	150	68	134	148
Lingcod	1,398	634	172	906	411	105	1,120
Other Greenlings	3	2	8	19	9	22	19
<b>Grunts</b>							
Pigfish	357	162	933	352	159	1,082	393
White Grunt	1,381	627	1,749	1,728	784	2,053	1,497
Other Grunts	300	136	577	153	70	591	354
Herrings**	648	294	23,278	542	246	28,663	1,033
<b>Jacks</b>							
Blue Runner	750	340	860	1,681	763	1,996	1,013
Crevalle Jack	1,316	597	612	1,704	773	584	1,589
Florida Pompano	593	269	407	755	342	623	536
Greater Amberjack	2,696	1,223	140	1,815	823	91	1,899
Yellowtail	807	366	56	2,333	1,059	166	2,562
Other Jacks	806	366	1,360	591	268	1,777	462
Mullet**	2,240	1,016	5,710	2,787	1,265	6,894	2,415
Pacific Barracuda	1,988	902	423	1,523	691	357	1,656
<b>Porgies</b>							
Pinfishes	1,532	695	5,112	2,339	1,061	6,668	1,863
Red Porgy	87	39	81	73	33	58	108
Scup**	1,886	856	3,251	5,181	2,351	6,903	2,260
Sheepshead	4,789	2,173	1,905	5,255	2,384	2,049	4,923
Other Porgies**	102	46	170	145	66	317	205
Puffers	59	27	175	106	48	208	99
<b>Rockfishes</b>							
Black Rockfish	1,706	774	956	2,571	1,166	1,336	1,815
Blue Rockfish	712	323	673	543	247	376	667
Bocaccio	312	141	92	257	117	148	205
Brown Rockfish	149	67	121	119	54	92	115
Canary Rockfish	271	123	163	227	103	126	207
Chilipepper Rockfish	11	5	44	101	46	71	38
Copper Rockfish	223	101	136	142	65	88	219
Gopher Rockfish	123	56	154	143	65	149	97
Greenspotted Rockfish	98	44	133	75	34	98	65
Olive Rockfish	76	34	68	114	52	65	91
Quillback Rockfish	78	35	42	58	27	28	75
Widow Rockfish	78	35	44	40	18	25	64
Yellowtail Rockfish	718	326	403	351	159	230	442
Other Rockfishes**	1,641	744	1,914	761	345	1,182	1,079
Sablefishes	(1)	(1)	(1)	2	1	1	6
<b>Sculpins</b>							
Cabezon	209	95	60	193	87	50	228
Sculpins	13	6	42	7	3	22	20
<b>Sea Basses</b>							
Barred Sand Bass	661	300	456	1,789	812	1,242	1,033
Black Sea Bass	2,245	1,019	2,000	4,589	2,082	4,386	3,700
<i>Epinephelus</i> Groupers**	1,405	637	213	2,292	1,040	348	1,323
Kelp Bass	338	154	236	1,017	461	654	696
<i>Mycteroperca</i> Groupers**	4,595	2,085	652	5,339	2,422	747	4,135
Spotted Sand Bass	38	17	30	97	44	77	62
Other Sea Basses	67	30	282	45	21	279	92

See footnotes at end of table.

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Species	1999			2000			Average (1996-00)
	Thousand pounds	Metric tons	Total Numbers (thousands)	Thousand pounds	Metric tons	Total Numbers (thousands)	Thousand pounds
<b>Sea Chubs**</b>							
Halfmoon	41	19	41	62	28	61	37
Opaleye	49	22	39	54	24	48	50
Other Sea Chubs	2	1	2	(1)	(1)	(1)	1
Searobins	78	35	122	92	42	164	146
<b>Silversides</b>							
Jacksnelt	102	46	272	114	52	267	161
Other Silversides	7	3	44	3	1	31	8
<b>Smelts**</b>							
Surf Smelt	28	13	1,217	128	58	1,777	221
Other Smelts	(1)	(1)	4	(1)	(1)	(1)	(1)
<b>Snappers</b>							
Gray Snapper	1,345	610	1,038	1,790	812	1,231	1,413
Lane Snapper	181	82	195	202	92	207	234
Red Snapper	4,651	2,110	1,266	3,463	1,571	836	3,958
Vermilion Snapper	541	245	540	377	171	366	397
Yellowtail Snapper	326	148	268	308	140	239	411
Other Snappers**	298	135	78	311	141	92	312
Sturgeons	617	280	19	339	154	19	529
<b>Surfperches</b>							
Barred Surfperch	158	72	210	50	23	92	253
Black Perch	27	12	38	34	15	50	51
Pile Perch	20	9	18	14	6	18	50
Redtail Surfperch	57	26	60	120	54	123	82
Shiner Perch	5	2	91	13	6	289	11
Silver Surfperch	29	13	86	4	2	15	18
Striped Seaperch	39	18	44	36	17	36	110
Walleye Surfperch	18	8	68	13	6	49	26
White Seaperch	9	4	21	6	3	7	11
Other Surfperches	53	24	65	30	14	87	56
<b>Temperate Basses</b>							
Striped Bass	14,409	6,538	1,451	17,578	7,975	1,996	15,134
White Perch	426	193	1,113	667	303	1,698	740
Other Temperate Basses	(1)	(1)	(1)	(1)	(1)	(1)	2
Toadfishes	(1)	(1)	9	(1)	(1)	3	1
Triggerfishes/Filefishes	757	343	390	550	250	258	803
<b>Tunas And Mackerels</b>							
Atlantic Mackerel	2,943	1,335	3,236	3,080	1,397	4,037	2,865
King Mackerel**	7,156	3,247	812	8,490	3,852	906	9,274
Little Tunny / Atl.Bonito**	2,633	1,195	382	2,239	1,016	340	2,947
Pacific Bonito**	5	2	2	164	74	87	206
Spanish Mackerel	3,597	1,632	2,540	4,614	2,094	2,981	3,510
Other Tunas/Mackerels**	17,592	7,982	1,359	21,507	9,758	1,508	17,182
<b>Wrasses</b>							
California Sheephead	182	83	63	164	74	82	158
Cunner	61	28	103	48	22	74	32
Tautog	2,532	1,149	688	3,284	1,490	823	2,536
Other Wrasses	182	83	97	86	39	48	161
Other Fishes**	9,854	4,471	6,759	13,183	5,982	20,634	10,295
<b>Total Fish</b>	<b>198,695</b>	<b>90,146</b>	<b>135,681</b>	<b>254,225</b>	<b>115,349</b>	<b>184,534</b>	<b>--</b>

(1) Number or pounds less than 1,000 or less than 1 metric ton.

NOTE:-- \*\* Fish included in these groups are not equivalent to those with similar names listed in the commercial tables.

## U.S. RECREATIONAL HARVEST (A+B1), BY MODE OF FISHING AND SPECIES GROUP, 2000

Species	Mode of fishing									Grand Total		
	Charter boat			Private/Rental boat			Shore					
	Thousand pounds	Metric tons	Total Numbers (thousands)	Thousand pounds	Metric tons	Total Numbers (thousands)	Thousand pounds	Metric tons	Total Numbers (thousands)	Thousand pounds	Metric tons	Total Numbers (thousands)
<b>Anchovies</b>												
Northern Anchovy	-	-	-	(1)	(1)	7	(1)	(1)	418	(1)	(1)	425
Other Anchovies	-	-	-	-	-	-	(1)	(1)	8	(1)	(1)	8
Barracudas	462	210	50	304	138	42	140	63	39	906	411	131
Bluefish	1,991	903	503	6,241	2,831	2,455	2,257	1,024	1,884	10,489	4,758	4,842
California Scorpionfish	120	55	108	79	36	64	(1)	(1)	(1)	199	91	172
<b>Cartilaginous Fishes</b>												
Dogfish Sharks**	52	24	9	251	114	61	3	1	2	306	139	72
Skates/Rays**	12	5	2	63	29	54	100	46	78	175	80	134
Other Sharks**	425	193	34	2,352	1,067	225	355	161	66	3,132	1,421	325
<b>Catfishes**</b>												
Freshwater Catfishes	2	1	1	109	50	117	254	115	113	365	166	231
Saltwater Catfishes	5	2	4	585	265	351	470	213	310	1,060	480	665
<b>Cods And Hakes</b>												
Atlantic Cod	2,813	1,277	396	2,094	950	380	(1)	(1)	(1)	4,907	2,227	776
Pacific Cod	-	-	-	0	0	0	-	-	-	(1)	(1)	(1)
Pacific Hake	-	-	-	0	0	0	-	-	-	(1)	(1)	(1)
Pacific Tomcod	-	-	-	0	0	1	1	(1)	5	1	(1)	6
Pollock	52	24	34	180	82	319	584	265	67	816	371	420
Red Hake	16	7	87	0	0	10	-	-	-	16	7	97
Other Cods/Hakes	319	145	81	136	62	42	(1)	(1)	21	455	207	144
<b>Croakers</b>												
California Corbina	(1)	(1)	1	(1)	(1)	(1)	6	3	6	6	3	7
Queenfish	1	(1)	1	9	4	20	26	12	101	36	16	122
White Croaker	16	7	33	56	26	159	66	30	162	138	63	354
Other Croakers	186	84	13	426	193	48	31	14	33	643	291	94
Dolphins**	5,904	2,679	848	9,951	4,515	1,615	-	-	-	15,855	7,194	2,463
<b>Drums</b>												
Atlantic Croaker	885	402	1,087	8,279	3,756	9,007	1,025	465	2,008	10,189	4,623	12,102
Black Drum	95	43	20	3,346	1,518	834	1,472	668	426	4,913	2,229	1,280
Kingfishes	26	12	38	1,372	623	2,373	1,436	652	2,880	2,834	1,287	5,291
Red Drum	1,502	681	292	12,174	5,523	2,920	1,785	810	368	15,461	7,014	3,580
Sand Seatrout	93	42	131	1,384	628	2,370	1,139	517	1,895	2,616	1,187	4,396
Silver Perch	(1)	(1)	(1)	6	3	48	86	39	580	92	42	628
Spot	83	38	179	1,246	565	2,660	681	309	1,947	2,010	912	4,786
Spotted Seatrout	1,780	808	956	13,352	6,058	10,732	1,124	510	930	16,256	7,376	12,618
Weakfish**	142	64	105	3,317	1,505	1,729	555	252	185	4,014	1,821	2,019
Other Drum	(1)	(1)	1	107	49	373	16	7	61	123	56	435
Eels**	(1)	(1)	1	2	1	7	14	6	46	16	7	54

See footnotes at end of table.

**U.S. RECREATIONAL HARVEST (A+B1), BY MODE OF FISHING AND SPECIES GROUP, 2000**

Species	Mode of fishing									Grand Total		
	Charter boat			Private/Rental boat			Shore					
	<u>Thousand</u> <u>pounds</u>	<u>Metric</u> <u>tons</u>	<u>Total</u> <u>Numbers</u> (thousands)	<u>Thousand</u> <u>pounds</u>	<u>Metric</u> <u>tons</u>	<u>Total</u> <u>Numbers</u> (thousands)	<u>Thousand</u> <u>pounds</u>	<u>Metric</u> <u>tons</u>	<u>Total</u> <u>Numbers</u> (thousands)	<u>Thousand</u> <u>pounds</u>	<u>Metric</u> <u>tons</u>	<u>Total</u> <u>Numbers</u> (thousands)
<b>Flounders</b>												
California Halibut**	237	107	22	1,211	549	131	68	31	8	1,516	687	161
Gulf Flounder	15	7	10	183	83	108	74	34	46	272	124	164
Rock Sole	1	(1)	2	7	3	8	2	1	3	10	4	13
Sanddabs	142	64	373	70	32	182	13	6	36	225	102	591
Southern Flounder	34	15	17	1,222	555	773	361	164	203	1,617	734	993
Starry Flounder	2	1	1	6	3	4	3	1	2	11	5	7
Summer Flounder	1,466	665	624	13,399	6,079	6,339	992	450	550	15,857	7,194	7,513
Winter Flounder	102	46	78	1,440	654	1,037	425	193	304	1,967	893	1,419
Other Flounders**	222	101	14	267	121	198	7	3	39	496	225	251
<b>Greenlings</b>												
Kelp Greenling	21	10	12	96	44	77	33	15	45	150	69	134
Lingcod	262	119	30	608	276	71	37	17	4	907	412	105
Other Greenlings	0	0	0	1	1	2	18	8	21	19	9	23
<b>Grunts</b>												
Pigfish	1	0	1	254	115	750	97	44	331	352	159	1,082
White Grunt	210	95	224	1,432	650	1,701	86	39	129	1,728	784	2,054
Other Grunts	3	1	10	62	28	350	88	40	231	153	69	591
Herrings**	0	0	29	318	144	17,434	224	102	11,200	542	246	28,663
<b>Jacks</b>												
Blue Runner	14	6	14	385	175	334	1,283	582	1,647	1,682	763	1,995
Crevalle Jack	58	26	7	870	395	339	776	352	238	1,704	773	584
Florida Pompano	19	8	12	225	102	142	511	232	469	755	342	623
Greater Amberjack	1,054	478	56	677	307	32	84	38	4	1,815	823	92
Yellowtail	1,321	599	89	1,012	459	77	-	-	-	2,333	1,058	166
Other Jacks	190	86	56	196	89	469	206	93	1,252	592	268	1,777
Mullet**	(1)	(1)	8	1,900	862	3,600	887	403	3,286	2,787	1,265	6,894
Pacific Barracuda	1,246	565	293	276	125	64	(1)	(1)	(1)	1,522	690	357
<b>Porgies</b>												
Pinfishes	17	8	34	1,140	517	3,443	1,183	537	3,191	2,340	1,062	6,668
Red Porgy	35	16	36	38	17	21	-	-	-	73	33	57
Scup**	784	356	1,093	4,063	1,843	5,292	334	151	518	5,181	2,350	6,903
Sheepshead	114	52	40	4,134	1,876	1,587	1,007	457	422	5,255	2,385	2,049
Other Porgies**	16	7	103	80	36	111	48	22	102	144	65	316
Puffers	(1)	(1)	1	37	17	90	68	31	116	105	48	207

See footnotes at end of table.



## U.S. RECREATIONAL HARVEST (A+B1), BY MODE OF FISHING AND SPECIES GROUP, 2000

Species	Mode of fishing									Grand Total		
	Charter boat			Private/Rental boat			Shore					
	Thousand pounds	Metric tons	Total Numbers (thousands)	Thousand pounds	Metric tons	Total Numbers (thousands)	Thousand pounds	Metric tons	Total Numbers (thousands)	Thousand pounds	Metric tons	Total Numbers (thousands)
<b>Rockfishes</b>												
Black Rockfish	1,366	620	677	1,175	533	639	30	13	19	2,571	1,166	1,335
Blue Rockfish	370	168	235	168	76	135	6	3	6	544	247	376
Bocaccio	224	102	128	32	14	20	1	(1)	(1)	257	116	148
Brown Rockfish	57	26	42	61	28	49	1	1	1	119	55	92
Canary Rockfish	181	82	96	46	21	30	-	-	-	227	103	126
Chilipepper Rockfish	87	40	62	14	6	9	-	-	-	101	46	71
Copper Rockfish	63	28	40	78	36	48	1	1	1	142	65	89
Gopher Rockfish	96	44	92	46	21	58	-	-	-	142	65	150
Greenspotted Rockfish	59	27	70	16	7	28	-	-	-	75	34	98
Olive Rockfish	95	43	52	19	8	13	(1)	(1)	(1)	114	51	65
Quillback Rockfish	23	10	12	34	16	16	1	1	1	58	27	29
Widow Rockfish	33	15	22	7	3	3	-	-	-	40	18	25
Yellowtail Rockfish	320	145	207	31	14	23	(1)	(1)	(1)	351	159	230
Other Rockfishes**	363	165	746	392	178	430	6	3	6	761	346	1,182
Sablefishes	2	1	1	-	-	-	-	-	-	2	1	1
<b>Sculpins</b>												
Cabezon	61	28	13	107	49	24	24	11	13	192	88	50
Sculpins	(1)	(1)	(1)	3	1	2	4	2	20	7	3	22
<b>Sea Basses</b>												
Barred Sand Bass	1,041	472	775	738	335	456	10	5	10	1,789	812	1,241
Black Sea Bass	2,073	941	1,768	2,348	1,066	2,444	168	76	174	4,589	2,083	4,386
Epinephelus Groupers**	746	338	120	1,546	701	228	(1)	(1)	(1)	2,292	1,039	348
Kelp Bass	483	219	364	531	241	288	2	1	1	1,016	461	653
Mycteroperca Groupers**	1,437	652	184	3,826	1,736	554	76	34	9	5,339	2,422	747
Spotted Sand Bass	1	(1)	(1)	88	40	70	8	4	6	97	44	76
Other Sea Basses	1	(1)	10	30	14	185	15	7	84	46	21	279
<b>Sea Chubs**</b>												
Halfmoon	51	23	52	8	3	7	3	2	3	62	28	62
Opaleye	2	1	2	41	19	29	10	5	17	53	25	48
Other Sea Chubs	-	-	-	-	-	-	(1)	(1)	(1)	(1)	(1)	(1)
Searobins	(1)	(1)	5	82	37	130	10	5	29	92	42	164
<b>Silversides</b>												
Jacksmelt	(1)	(1)	(1)	37	17	62	76	35	205	113	52	267
Other Silversides	-	-	-	(1)	(1)	5	2	1	26	2	1	31
Surf Smelt	-	-	-	(1)	(1)	1	127	58	1,776	127	58	1,777

See footnotes at end of table.

**U.S. RECREATIONAL HARVEST (A+B1), BY MODE OF FISHING AND SPECIES GROUP, 2000**

Species	Mode of fishing									Grand Total		
	Charter boat			Private/Rental boat			Shore					
	Thousand pounds	Metric tons	Total Numbers (thousands)	Thousand pounds	Metric tons	Total Numbers (thousands)	Thousand pounds	Metric tons	Total Numbers (thousands)	Thousand pounds	Metric tons	Total Numbers (thousands)
<b>Snappers</b>												
Gray Snapper	239	109	108	1,231	558	836	320	145	286	1,790	812	1,230
Lane Snapper	50	23	43	145	66	157	7	3	7	202	92	207
Red Snapper	1,513	687	440	1,950	885	395	(1)	(1)	(1)	3,463	1,572	835
Vermilion Snapper	186	85	191	191	87	175	-	-	-	377	172	366
Yellowtail Snapper	60	27	45	229	104	179	19	9	15	308	140	239
Other Snappers**	66	30	18	235	107	70	10	5	4	311	142	92
Sturgeons	15	7	1	258	117	15	66	30	3	339	154	19
<b>Surfperches</b>												
Barred Surfperch	-	-	-	(1)	(1)	(1)	50	23	92	50	23	92
Black Perch	(1)	(1)	(1)	14	7	20	20	9	30	34	16	50
Pile Perch	-	-	-	3	2	5	11	5	13	14	7	18
Redtail Surfperch	-	-	-	1	0	1	119	54	122	120	54	123
Shiner Perch	-	-	-	0	0	14	13	6	276	13	6	290
Silver Surfperch	-	-	-	-	-	-	4	2	15	4	2	15
Striped Seaperch	-	-	-	3	1	3	33	15	33	36	16	36
Walleye Surfperch	-	-	-	2	1	4	11	5	44	13	6	48
White Seaperch	(1)	(1)	(1)	(1)	(1)	(1)	6	3	7	6	3	7
Other Surfperches	(1)	(1)	1	8	4	13	21	10	73	29	14	87
<b>Temperate Basses</b>												
Striped Bass	3,924	1,780	366	12,253	5,560	1,468	1,401	635	162	17,578	7,975	1,996
White Perch	5	2	16	592	269	1,454	70	32	229	667	303	1,699
Other Temperate Basses	-	-	-	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Toadfishes	(1)	(1)	(1)	(1)	(1)	1	(1)	(1)	3	(1)	(1)	4
Triggerfishes/Filefishes	194	88	93	329	149	151	27	12	13	550	249	257
<b>Tunas And Mackerels</b>												
Atlantic Mackerel	173	78	248	2,640	1,198	3,334	267	121	456	3,080	1,397	4,038
King Mackerel**	2,444	1,109	282	5,877	2,667	591	168	76	33	8,489	3,852	906
Little Tunny/Atlantic Bonito**	1,004	456	157	1,040	472	148	195	88	35	2,239	1,016	340
Pacific Bonito**	110	50	58	50	23	26	3	1	2	163	74	86
Spanish Mackerel	442	201	288	2,443	1,108	1,546	1,729	785	1,146	4,614	2,094	2,980
Other Tunas/Mackerels**	10,003	4,539	606	11,255	5,107	636	248	112	267	21,506	9,758	1,509
<b>Wrasses</b>												
California Sheephead	63	28	43	99	45	38	2	1	2	164	74	83
Cunner	1	(1)	2	6	3	10	41	19	63	48	22	75
Tautog	418	189	100	2,584	1,173	643	282	128	81	3,284	1,490	824
Other Wrasses	(1)	(1)	(1)	82	37	43	4	2	4	86	39	47
Other Fishes**	1,416	642	269	10,239	4,646	2,436	1,529	694	17,929	13,184	5,982	20,634
<b>Grand Total</b>	<b>56,129</b>	<b>25,464</b>	<b>17,454</b>	<b>168,293</b>	<b>76,364</b>	<b>104,187</b>	<b>29,798</b>	<b>13,526</b>	<b>62,888</b>	<b>254,220</b>	<b>115,354</b>	<b>184,529</b>

(1) Number or pounds less than 1,000 or less than 1 metric ton.

NOTE:-- \*\* Fish included in these groups are not equivalent to those with similar names listed in the commercial tables.

## U.S. RECREATIONAL HARVEST (A+B1), BY DISTANCE FROM SHORE AND SPECIES GROUP, 2000

Species	Distance from U.S. shores									Grand Total		
	Inland			0 to 3 miles (2) (State Territorial Sea)			3 to 200 miles (Exclusive Economic Zone)					
	Thousand pounds	Metric tons	Total Numbers (thousands)	Thousand pounds	Metric tons	Total Numbers (thousands)	Thousand pounds	Metric tons	Total Numbers (thousands)	Thousand pounds	Metric tons	Total Numbers (thousands)
<b>Anchovies</b>												
Northern Anchovy	(1)	(1)	139	(1)	(1)	286	-	-	-	(1)	(1)	425
Other Anchovies	-	-	-	(1)	(1)	8	-	-	-	(1)	(1)	8
Barracudas	117	53	36	310	141	42	479	217	54	906	411	132
Bluefish	4,584	2,080	2,269	4,119	1,869	2,074	1,786	810	499	10,489	4,759	4,842
California Scorpionfish	8	3	9	155	70	133	37	17	31	200	90	173
<b>Cartilaginous Fishes</b>												
Dogfish Sharks**	198	90	45	55	25	14	53	24	13	306	139	72
Skates/Rays**	128	58	105	48	22	26	(1)	(1)	4	176	80	135
Other Sharks**	828	376	129	576	261	128	1,729	784	70	3,133	1,421	327
<b>Catfishes**</b>												
Freshwater Catfishes	365	165	227	(1)	(1)	3	-	-	-	365	165	230
Saltwater Catfishes	658	299	403	385	175	252	17	8	10	1,060	482	665
<b>Cods And Hakes</b>												
Atlantic Cod	357	162	52	595	270	88	3,955	1,794	637	4,907	2,226	777
Pacific Cod	(1)	(1)	(1)	-	-	-	-	-	-	(1)	(1)	(1)
Pacific Hake	-	-	-	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Pacific Tomcod	1	(1)	6	-	-	-	-	-	-	1	(1)	6
Pollock	628	285	201	111	50	141	77	35	77	816	370	419
Red Hake	-	-	-	(1)	(1)	80	16	7	17	16	7	97
Other Cods/Hakes	40	18	29	3	1	1	413	187	114	456	206	144
<b>Croakers</b>												
California Corbina	1	1	3	5	2	4	-	-	-	6	3	7
Queenfish	14	6	33	22	10	89	(1)	(1)	(1)	36	16	122
White Croaker	80	36	192	50	23	139	8	4	24	138	63	355
Other Croakers	43	20	43	564	256	50	34	16	2	641	292	95
Dolphins**	-	-	-	1,485	674	266	14,370	6,520	2,197	15,855	7,194	2,463
<b>Drums</b>												
Atlantic Croaker	8,857	4,019	10,631	467	212	696	865	392	775	10,189	4,623	12,102
Black Drum	3,688	1,673	968	1,169	530	299	56	26	14	4,913	2,229	1,281
Kingfishes	1,073	487	2,107	1,732	786	3,127	30	13	57	2,835	1,286	5,291
Red Drum	12,805	5,810	3,104	2,342	1,063	437	314	142	38	15,461	7,015	3,579
Sand Seatrout	1,704	773	3,154	853	387	1,168	59	27	74	2,616	1,187	4,396
Silver Perch	12	5	148	80	36	480	(1)	(1)	(1)	92	41	628
Spot	1,503	682	3,729	490	222	1,018	16	7	40	2,009	911	4,787
Spotted Seatrout	12,944	5,873	10,680	3,089	1,401	1,804	224	102	134	16,257	7,376	12,618
Weakfish**	2,960	1,343	1,479	846	384	428	208	95	112	4,014	1,822	2,019
Other Drum	43	19	167	80	36	265	(1)	(1)	2	123	55	434
Eels**	16	7	53	(1)	(1)	(1)	(1)	(1)	1	16	7	54

See footnotes at end of table.

**U.S. RECREATIONAL HARVEST (A+B1), BY DISTANCE FROM SHORE AND SPECIES GROUP, 2000**

Species	Distance from U.S. shores									Grand Total		
	Inland			0 to 3 miles (2) (State Territorial Sea)			3 to 200 miles (Exclusive Economic Zone)					
	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Total Numbers (thousands)</u>	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Total Numbers (thousands)</u>	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Total Numbers (thousands)</u>	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Total Numbers (thousands)</u>
<b>Flounders</b>												
California Halibut**	418	190	51	998	453	101	100	45	9	1,516	688	161
Gulf Flounder	132	60	87	87	39	53	53	24	25	272	123	165
Rock Sole	9	4	12	1	(1)	2	(1)	(1)	1	10	4	15
Sanddabs	50	23	109	33	15	113	142	64	369	225	102	591
Southern Flounder	1,389	630	849	208	94	130	21	9	13	1,618	733	992
Starry Flounder	4	2	3	6	3	3	1	(1)	(1)	11	5	6
Summer Flounder	8,594	3,899	4,290	5,528	2,508	2,377	1,734	787	846	15,856	7,194	7,513
Winter Flounder	1,369	621	983	577	262	421	20	9	16	1,966	892	1,420
Other Flounders**	135	61	81	54	24	149	308	140	21	497	225	251
<b>Greenlings</b>												
Kelp Greenling	95	43	94	45	20	37	10	5	4	150	68	135
Lingcod	228	103	23	494	224	62	185	84	20	907	411	105
Other Greenlings	7	3	11	12	6	12	(1)	(1)	(1)	19	9	23
<b>Grunts</b>												
Pigfish	248	113	701	85	38	301	18	8	80	351	159	1,082
White Grunt	228	103	287	293	133	385	1,207	548	1,381	1,728	784	2,053
Other Grunts	84	38	166	55	25	216	15	7	209	154	70	591
Herrings**	492	223	19,579	42	19	7,060	9	4	2,024	543	246	28,663
<b>Jacks</b>												
Blue Runner	228	103	214	1,278	580	1,628	175	79	154	1,681	762	1,996
Crevalle Jack	949	431	410	677	307	165	79	36	9	1,705	774	584
Florida Pompano	272	123	167	482	219	456	1	(1)	1	755	342	624
Greater Amberjack	63	29	2	172	78	10	1,580	717	79	1,815	824	91
Yellowtail	(1)	(1)	(1)	1,440	653	98	893	405	68	2,333	1,058	166
Other Jacks	100	45	134	186	85	1,286	305	138	357	591	268	1,777
Mullets**	2,118	961	5,127	666	302	1,735	4	2	33	2,788	1,265	6,895
Pacific Barracuda	27	12	7	548	249	121	947	430	229	1,522	691	357
<b>Porgies</b>												
Pinfishes	1,556	706	4,455	684	310	1,883	99	45	331	2,339	1,061	6,669
Red Porgy	-	-	-	36	16	15	38	17	42	74	33	57
Scup**	3,724	1,690	5,077	1,069	485	1,250	388	176	575	5,181	2,351	6,902
Sheepshead	3,726	1,691	1,506	1,414	642	504	115	52	39	5,255	2,385	2,049
Other Porgies**	33	15	68	50	22	164	62	28	86	145	65	318
Puffers	32	15	74	69	31	122	5	2	12	106	48	208

See footnotes at end of table.

## U.S. RECREATIONAL HARVEST (A+B1), BY DISTANCE FROM SHORE AND SPECIES GROUP, 2000

Species	Distance from U.S. shores									Grand Total		
	Inland			0 to 3 miles (2) (State Territorial Sea)			3 to 200 miles (Exclusive Economic Zone)					
	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Total Numbers (thousands)</u>	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Total Numbers (thousands)</u>	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Total Numbers (thousands)</u>	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Total Numbers (thousands)</u>
<b>Rockfishes</b>												
Black Rockfish	77	35	47	1,931	876	1,025	562	255	263	2,570	1,166	1,335
Blue Rockfish	7	3	7	405	184	302	131	60	67	543	247	376
Bocaccio	2	1	1	45	20	32	210	95	115	257	116	148
Brown Rockfish	14	6	10	88	40	72	17	8	11	119	54	93
Canary Rockfish	2	1	1	109	50	73	116	52	52	227	103	126
Chilipepper Rockfish	-	-	-	2	1	6	99	45	65	101	46	71
Copper Rockfish	43	19	25	81	37	49	18	8	14	142	64	88
Greenspotted Rockfish	(1)	(1)	(1)	130	59	130	13	6	19	143	65	149
Olive Rockfish	-	-	-	12	6	18	63	28	80	75	34	98
Quillback Rockfish	(1)	(1)	(1)	52	23	33	62	28	32	114	51	65
Rockfishes	26	12	12	25	11	13	8	3	4	59	26	29
Widow Rockfish	-	-	-	3	1	4	38	17	22	41	18	26
Yellowtail Rockfish	1	(1)	(1)	89	41	69	261	119	161	351	160	230
Other Rockfishes**	9	4	5	432	196	711	320	145	466	761	345	1,182
Sablefishes	-	-	-	-	-	-	2	1	1	2	1	1
<b>Sculpins</b>												
Cabezon	31	14	6	147	67	40	15	7	4	193	88	50
Sculpins	6	3	14	1	1	8	(1)	(1)	(1)	7	4	22
<b>Sea Basses</b>												
Barred Sand Bass	135	61	90	924	419	618	731	332	533	1,790	812	1,241
Black Sea Bass	561	254	636	957	434	929	3,071	1,393	2,821	4,589	2,081	4,386
Epinephelus Groupers**	16	7	4	148	67	23	2,127	965	321	2,291	1,039	348
Kelp Bass	20	9	14	924	419	589	72	33	51	1,016	461	654
Mycteroperca Groupers**	372	169	47	984	447	156	3,983	1,807	544	5,339	2,423	747
Spotted Sand Bass	94	43	74	3	1	3	(1)	(1)	(1)	97	44	77
Other Sea Basses	13	6	51	14	7	106	18	8	123	45	21	280
<b>Sea Chubs**</b>												
Halfmoon	3	1	2	59	27	59	(1)	(1)	(1)	62	28	61
Opaleye	9	4	17	45	20	31	-	-	-	54	24	48
Other Sea Chubs	(1)	(1)	(1)	-	-	-	-	-	-	(1)	(1)	(1)
Searobins	53	24	84	37	17	74	1	1	7	91	42	165
<b>Silversides</b>												
Jacksmelt	50	23	127	63	29	140	(1)	(1)	1	113	52	268
Other Silversides	1	1	20	1	1	11	-	-	-	2	2	31
Surf Smelt	116	53	1,638	12	5	139	-	-	-	128	58	1,777

See footnotes at end of table.

**U.S. RECREATIONAL HARVEST (A+B1), BY DISTANCE FROM SHORE AND SPECIES GROUP, 2000**

Species	Distance from U.S. shores									Grand Total		
	Inland			0 to 3 miles (2) (State Territorial Sea)			3 to 200 miles (Exclusive Economic Zone)					
	Thousand pounds	Metric tons	Total Numbers (thousands)	Thousand pounds	Metric tons	Total Numbers (thousands)	Thousand pounds	Metric tons	Total Numbers (thousands)	Thousand pounds	Metric tons	Total Numbers (thousands)
<b>Snappers</b>												
Gray Snapper	597	271	575	511	232	389	682	309	267	1,790	812	1,231
Lane Snapper	27	12	28	34	15	35	141	64	144	202	91	207
Red Snapper	34	15	7	511	232	147	2,918	1,324	682	3,463	1,571	836
Vermilion Snapper	(1)	(1)	(1)	18	8	24	359	163	342	377	171	366
Yellowtail Snapper	28	13	18	63	29	57	216	98	164	307	140	239
Other Snappers**	17	8	10	112	51	28	182	83	54	311	142	92
Sturgeons	333	151	19	7	3	(1)	-	-	-	340	154	19
<b>Surfperches</b>												
Barred Surfperch	(1)	(1)	1	49	22	91	-	-	-	49	22	92
Black Perch	14	7	26	20	9	24	-	-	-	34	16	50
Pile Perch	14	6	17	(1)	(1)	1	-	-	-	14	6	18
Redtail Surfperch	51	23	49	68	31	74	-	-	-	119	54	123
Shiner Perch	12	6	267	(1)	(1)	23	-	-	-	12	6	290
Silver Surfperch	(1)	(1)	1	4	2	15	-	-	-	4	2	16
Striped Seaperch	13	6	15	24	11	21	-	-	-	37	17	36
Walleye Surfperch	3	2	9	10	4	40	-	-	-	13	6	49
White Seaperch	6	3	6	(1)	(1)	1	(1)	(1)	(1)	6	3	7
Other Surfperches	8	4	16	22	10	71	-	-	-	30	14	87
<b>Temperate Basses</b>												
Striped Bass	8,109	3,679	1,247	7,436	3,374	588	2,032	922	161	17,577	7,975	1,996
White Perch	667	303	1,692	(1)	(1)	6	-	-	-	667	303	1,698
Other Temperate Basses	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)	(1)	(1)	(1)
Toadfishes	(1)	(1)	3	(1)	(1)	1	(1)	(1)	(1)	(1)	(1)	4
Triggerfishes/Filefishes	34	16	21	95	43	50	421	191	187	550	250	258
<b>Tunas And Mackerels</b>												
Atlantic Mackerel	1,388	630	1,483	1,225	556	1,920	467	212	634	3,080	1,398	4,037
King Mackerel**	64	29	9	2,204	1,000	280	6,222	2,823	617	8,490	3,852	906
Little Tunny/Atlantic Bonito**	30	14	5	790	358	128	1,419	644	206	2,239	1,016	339
Pacific Bonito**	4	2	2	152	69	82	8	4	3	164	75	87
Spanish Mackerel	1,490	676	937	2,465	1,118	1,698	659	299	346	4,614	2,093	2,981
Other Tunas/Mackerels**	1,869	848	180	1,084	492	419	18,554	8,418	909	21,507	9,758	1,508
<b>Wrasses</b>												
California Sheephead	2	1	2	126	57	61	35	16	19	163	74	82
Cunner	6	3	12	41	19	58	1	1	4	48	23	74
Tautog	1,473	668	380	1,436	652	362	374	170	82	3,283	1,490	824
Other Wrasses	3	1	4	33	15	15	51	23	29	87	39	48
Other Fishes**	5,168	2,345	18,356	4,895	2,221	1,766	3,120	1,416	512	13,183	5,982	20,634
<b>Grand Total</b>	<b>103,090</b>	<b>46,775</b>	<b>113,037</b>	<b>68,078</b>	<b>30,887</b>	<b>48,343</b>	<b>83,059</b>	<b>37,684</b>	<b>23,168</b>	<b>254,227</b>	<b>115,346</b>	<b>184,548</b>

(1) Number or pounds less than 1,000 or less than 1 metric ton.

(2) Except West Florida where the state territorial seas extend 0 to 10 miles.

NOTE:-- \*\* Fish included in these groups are not equivalent to those with similar names listed in the commercial tables.

# U.S. Marine Recreational Fisheries

## U.S. RECREATIONAL HARVEST (A+B1) AND TOTAL LIVE RELEASES (B2), BY SPECIES GROUP, 1991-2000

Year	Barracudas			Bluefish		
	<u>Pounds harvested</u> (thousand)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)	<u>Pounds harvested</u> (thousand)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)
1991	1,349	227	755	33,957	12,420	6,831
1992	1,105	173	627	24,775	7,479	4,511
1993	1,323	196	592	20,636	5,917	4,384
1994	1,656	211	695	15,988	6,056	6,349
1995	1,627	246	673	14,897	5,411	5,552
1996	1,956	229	616	12,116	4,426	5,591
1997	1,718	162	437	14,555	5,585	7,609
1998	1,162	150	396	12,774	4,430	5,340
1999	1,192	139	393	8,610	3,856	8,022
2000	906	132	368	10,488	4,842	11,109
Year	Cartilaginous Fishes			Catfishes		
	<u>Pounds harvested</u> (thousand)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)	<u>Pounds harvested</u> (thousand)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)
1991	2,466	682	4,067	3,770	2,479	16,741
1992	5,074	544	4,113	2,180	1,704	12,862
1993	5,294	646	4,708	2,158	1,764	12,017
1994	4,349	596	5,903	1,886	1,595	14,223
1995	9,953	602	5,449	1,565	1,259	13,496
1996	4,954	557	6,107	1,585	1,008	8,334
1997	4,048	565	6,791	1,886	916	8,573
1998	3,312	523	6,787	1,663	973	7,961
1999	3,108	351	6,181	997	709	7,702
2000	3,614	532	8,581	1,425	895	11,016
Year	Cods and Hakes			Dolphins		
	<u>Pounds harvested</u> (thousand)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)	<u>Pounds harvested</u> (thousand)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)
1991	10,561	2,802	951	17,205	2,618	524
1992	2,994	1,178	473	9,788	1,318	166
1993	7,484	1,953	1,477	10,894	1,762	177
1994	5,123	1,636	1,590	12,795	2,215	236
1995	6,019	1,648	1,600	19,565	2,268	337
1996	3,906	877	832	12,508	1,668	241
1997	3,651	1,043	782	23,015	2,283	234
1998	3,551	849	1,049	12,121	1,889	187
1999	2,977	781	974	13,423	2,065	217
2000	6,195	1,441	1,977	15,855	2,463	300

See footnotes at end of table.

# U.S. Marine Recreational Fisheries

## U.S. RECREATIONAL HARVEST (A+B1) AND TOTAL LIVE RELEASES (B2), BY SPECIES GROUP, 1991-2000

Year	Drums			Flounders		
	<u>Pounds harvested</u> (thousand)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)	<u>Pounds harvested</u> (thousand)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)
1991	40,235	49,310	56,405	13,136	10,954	12,772
1992	35,270	40,647	35,462	10,101	7,303	8,775
1993	33,673	38,143	39,676	13,252	10,525	20,420
1994	38,698	48,715	48,958	13,815	9,890	15,376
1995	42,200	41,412	41,611	11,270	6,666	16,079
1996	39,059	35,128	38,042	14,858	10,526	16,087
1997	44,586	39,757	50,684	16,967	10,286	16,849
1998	41,245	36,520	44,142	16,614	9,207	19,214
1999	43,801	39,517	49,966	12,905	6,500	19,855
2000	58,508	47,136	61,165	21,970	11,114	21,243

Year	Grunts			Herrings		
	<u>Pounds harvested</u> (thousand)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)	<u>Pounds harvested</u> (thousand)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)
1991	3,176	5,125	10,713	3,082	31,300	2,641
1992	2,979	4,831	6,757	2,034	23,974	4,959
1993	2,347	4,462	7,107	753	28,244	6,499
1994	2,890	5,632	8,256	762	26,411	12,137
1995	3,111	5,534	7,868	976	26,010	4,947
1996	2,449	3,962	6,395	1,096	22,735	8,402
1997	2,596	4,558	6,798	1,913	36,824	3,966
1998	1,903	3,436	5,805	964	26,927	7,316
1999	2,038	3,259	7,210	648	23,278	7,625
2000	2,233	3,726	6,256	542	28,663	7,744

Year	Jacks			Mulletts		
	<u>Pounds harvested</u> (thousand)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)	<u>Pounds harvested</u> (thousand)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)
1991	7,479	5,185	5,240	5,036	4,883	796
1992	5,935	5,550	6,017	5,185	5,240	331
1993	8,423	5,783	6,659	2,389	3,947	239
1994	6,270	4,151	7,197	3,095	3,893	495
1995	4,878	3,318	5,630	2,115	4,180	594
1996	6,057	3,625	5,091	1,902	2,796	937
1997	8,179	4,954	7,179	2,473	2,857	401
1998	10,218	4,200	7,959	2,673	3,240	516
1999	6,968	3,435	6,775	2,240	5,710	904
2000	8,879	5,237	7,530	2,787	6,894	2,115

See footnotes at end of page.



# U.S. Marine Recreational Fisheries

## U.S. RECREATIONAL HARVEST (A+B1) AND TOTAL LIVE RELEASES (B2), BY SPECIES GROUP, 1991-2000

Year	Porgies			Puffers		
	<u>Pounds</u>	<u>Number</u>	<u>Number</u>	<u>Pounds</u>	<u>Number</u>	<u>Number</u>
	<u>harvested</u> (thousand)	<u>Harvested</u> (thousands)	<u>Released</u> (thousands)	<u>harvested</u> (thousand)	<u>Harvested</u> (thousands)	<u>Released</u> (thousands)
1991	14,608	23,440	14,999	302	830	2,066
1992	13,390	17,502	12,316	359	743	1,357
1993	11,373	15,738	10,584	167	338	986
1994	10,055	13,659	13,049	97	248	893
1995	10,982	14,696	12,175	132	255	694
1996	9,180	13,475	11,115	115	247	579
1997	8,495	13,113	14,589	153	284	762
1998	7,733	10,777	13,803	63	148	615
1999	8,396	10,519	12,630	59	175	1,117
2000	12,993	15,995	16,418	106	208	1,145
Year	Sculpins			Sea Basses		
	<u>Pounds</u>	<u>Number</u>	<u>Number</u>	<u>Pounds</u>	<u>Number</u>	<u>Number</u>
	<u>harvested</u> (thousand)	<u>Harvested</u> (thousands)	<u>Released</u> (thousands)	<u>harvested</u> (thousand)	<u>Harvested</u> (thousands)	<u>Released</u> (thousands)
1991	2	2	53	10,401	9,003	14,985
1992	7	9	45	9,759	6,628	12,587
1993	278	245	858	14,289	10,715	13,853
1994	187	87	289	11,787	7,921	14,503
1995	191	140	453	15,323	10,970	17,394
1996	294	164	386	10,893	7,413	12,838
1997	213	138	468	11,315	7,927	15,895
1998	311	129	319	8,478	3,560	11,888
1999	222	102	228	9,349	3,869	14,627
2000	200	72	453	15,168	7,733	26,068
Year	Searobins			Snappers		
	<u>Pounds</u>	<u>Number</u>	<u>Number</u>	<u>Pounds</u>	<u>Number</u>	<u>Number</u>
	<u>harvested</u> (thousand)	<u>Harvested</u> (thousands)	<u>Released</u> (thousands)	<u>harvested</u> (thousand)	<u>Harvested</u> (thousands)	<u>Released</u> (thousands)
1991	317	486	7,788	7,669	5,485	11,338
1992	205	261	4,507	7,430	4,208	7,447
1993	156	245	7,481	8,213	4,989	7,940
1994	48	125	4,582	7,227	4,083	6,397
1995	22	101	4,710	6,158	3,534	6,591
1996	212	193	5,094	5,150	2,674	6,147
1997	242	238	5,528	7,585	3,504	8,259
1998	106	202	3,796	7,098	3,341	7,361
1999	78	122	5,950	7,342	3,385	7,332
2000	92	164	7,407	6,451	2,971	7,940

See footnotes at end of table.

# U.S. Marine Recreational Fisheries

## U.S. RECREATIONAL HARVEST (A+B1) AND TOTAL LIVE RELEASES (B2), BY SPECIES GROUP, 1991-2000

Year	Temperate Basses			Toadfishes		
	<u>Pounds harvested</u> (thousand)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)	<u>Pounds harvested</u> (thousand)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)
1991	4,541	2,494	5,396	7	134	2,867
1992	4,683	1,977	5,538	19	152	1,631
1993	6,783	2,895	7,321	17	39	2,638
1994	7,888	2,827	10,490	28	61	1,720
1995	13,439	2,382	12,303	1	30	1,618
1996	14,538	3,560	14,882	1	14	1,048
1997	17,677	4,314	20,155	(1)	33	1,120
1998	14,080	3,323	18,577	2	10	998
1999	14,835	2,564	15,526	(1)	9	911
2000	18,245	3,694	20,588	(1)	3	1,432
Year	Triggerfishes/Filefishes			Tunas And Mackerels		
	<u>Pounds harvested</u> (thousand)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)	<u>Pounds harvested</u> (thousand)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)
1991	2,428	1,000	427	33,098	10,783	2,949
1992	1,654	796	307	24,513	7,067	3,027
1993	1,547	767	232	31,258	8,603	5,487
1994	1,414	740	179	36,281	12,039	5,507
1995	1,207	671	192	37,424	9,257	5,811
1996	848	468	268	34,412	9,164	6,477
1997	1,086	511	232	41,142	11,500	6,619
1998	775	390	233	30,347	7,207	4,114
1999	757	390	196	33,926	8,331	3,916
2000	550	258	194	40,094	9,859	5,343
Year	Wrasses			California Scorpionfish		
	<u>Pounds harvested</u> (thousand)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)	<u>Pounds harvested</u> (thousand)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)
1991	8,696	3,518	4,611	-	-	-
1992	8,238	3,088	3,313	-	-	-
1993	6,536	2,879	3,532	166	148	72
1994	4,148	1,761	2,484	258	242	126
1995	5,129	2,058	3,287	224	212	139
1996	3,547	1,292	1,740	339	342	234
1997	2,596	929	1,820	206	243	132
1998	1,756	572	2,053	185	160	66
1999	2,957	951	3,101	297	280	105
2000	3,582	1,027	2,373	199	173	232

See footnotes at end of table.

# U.S. Marine Recreational Fisheries

## U.S. RECREATIONAL HARVEST (A+B1) AND TOTAL LIVE RELEASES (B2), BY SPECIES GROUP, 1991-2000

Year	Croakers			Greenlings		
	<u>Pounds harvested</u> (thousand)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)	<u>Pounds harvested</u> (thousand)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)
1993	583	1,217	1,145	1,814	497	174
1994	446	739	521	1,016	294	109
1995	695	1,132	673	962	252	144
1996	919	1,544	864	1,369	408	285
1997	556	774	712	1,061	299	244
1998	425	610	355	1,407	270	299
1999	689	533	469	1,516	269	248
2000	822	579	659	1,075	261	542
Year	Pacific Barracuda			Rockfishes		
	<u>Pounds harvested</u> (thousand)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)	<u>Pounds harvested</u> (thousand)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)
1993	1,687	428	822	6,087	4,901	1,447
1994	2,015	526	1,239	4,810	3,797	698
1995	2,490	563	816	4,188	2,918	666
1996	1,011	234	350	4,811	3,740	808
1997	1,699	374	475	3,796	2,986	679
1998	2,057	450	752	5,592	4,134	735
1999	1,988	423	475	6,196	4,943	478
2000	1,523	357	526	5,502	4,014	590
Year	Sea Chubs			Silversides		
	<u>Pounds harvested</u> (thousand)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)	<u>Pounds harvested</u> (thousand)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)
1993	87	129	59	439	1,078	152
1994	106	107	42	138	323	96
1995	224	217	31	317	801	171
1996	78	72	18	296	658	120
1997	66	58	12	169	492	242
1998	87	108	46	152	395	158
1999	92	82	13	109	316	96
2000	116	109	71	117	298	46
Year	Smelts			Surfperches		
	<u>Pounds harvested</u> (thousand)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)	<u>Pounds harvested</u> (thousand)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)
1993	159	1,628	31	756	1,364	608
1994	90	1,208	(1)	442	819	365
1995	122	1,416	(1)	710	1,181	648
1996	474	4,351	4	950	1,464	686
1997	120	1,617	9	640	1,179	755
1998	357	4,825	9	1,006	1,435	488
1999	28	1,221	7	415	701	356
2000	128	1,777	3	320	766	430

(1) Number or pounds less than 1,000 or less than 1 metric ton.

NOTE: The MRFSS was not conducted on the Pacific Coast from 1990 to 1992.

# U.S. Marine Recreational Fisheries

## U.S. RECREATIONAL FINFISH HARVEST (A+B1) AND RELEASED (B2), BY STATE, 1999 and 2000

State	1999		
	<u>Pounds Harvested</u> (thousands)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)
Maine	802	944	917
New Hampshire	833	606	526
Massachusetts	7,626	3,731	7,218
Rhode Island	3,817	2,191	2,675
Connecticut	2,575	1,366	3,191
New York	9,733	4,028	9,541
New Jersey	14,181	5,627	22,082
Delaware	2,021	1,486	3,592
Maryland	5,396	4,100	13,079
Virginia	11,507	9,518	12,851
North Carolina	18,034	6,392	10,256
South Carolina	2,628	2,190	2,722
Georgia	1,772	1,792	485
Florida	60,483	59,837	75,436
Alabama	6,568	3,678	4,631
Mississippi	3,027	3,090	1,656
Louisiana	20,977	12,444	14,477
Washington	3,088	2,480	1,776
Oregon	2,927	1,154	265
California	20,682	9,002	5,768
<b>Grand Total</b>	<b>198,677</b>	<b>135,656</b>	<b>193,144</b>
State	2000		
	<u>Pounds Harvested</u> (thousands)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)
Maine	1,494	1,581	1,455
New Hampshire	1,041	882	912
Massachusetts	14,949	5,634	11,746
Rhode Island	6,546	2,886	3,525
Connecticut	2,878	5,410	4,156
New York	16,329	19,552	13,259
New Jersey	23,892	11,139	24,673
Delaware	3,332	1,689	4,045
Maryland	8,589	7,632	21,380
Virginia	12,734	8,734	17,025
North Carolina	21,505	8,455	13,722
South Carolina	2,712	1,852	3,547
Georgia	2,114	1,852	3,120
Florida	64,207	69,508	80,691
Alabama	5,895	3,290	4,181
Mississippi	2,744	2,534	2,376
Louisiana	31,197	17,074	22,142
Washington	4,558	2,979	2,344
Oregon	5,290	1,699	500
California	22,217	10,158	10,080
<b>Grand Total</b>	<b>254,223</b>	<b>184,540</b>	<b>244,879</b>

# U.S. Marine Recreational Fisheries

**U.S. RECREATIONAL NUMBERS OF ANGLERS AND TRIPS BY STATES, 1999 AND 2000**

State	1999			
	Out-of-State Anglers	In-State Anglers		Number of Angler Trips
		From Coastal Counties	From Non-Coastal Counties	
----- Numbers in thousands -----				
Maine	95	112	10	629
New Hampshire	60	55	8	285
Massachusetts	174	240	57	2,983
Rhode Island	214	108	-	1,262
Connecticut	55	243	-	1,319
New York	28	337	11	2,903
New Jersey	303	493	30	4,825
Delaware	168	69	-	800
Maryland	349	383	41	2,883
Virginia	187	309	66	2,694
North Carolina	805	324	164	4,555
South Carolina	221	132	61	1,213
Georgia	20	59	32	473
Florida	2,282	2,154	-	19,491
Alabama	143	131	92	1,170
Mississippi	75	76	26	806
Louisiana	91	409	33	2,621
Washington	31	329	23	1,256
Oregon	55	184	14	554
California	158	956	53	4,150
<b>Grand Total</b>		<b>7,103</b>	<b>721</b>	<b>56,872</b>
State	2000			
	Out-of-State Anglers	In-State Anglers		Number of Angler Trips
		From Coastal Counties	From Non-Coastal Counties	
----- Numbers in thousands -----				
Maine	143	132	19	851
New Hampshire	82	74	10	356
Massachusetts	256	474	87	4,450
Rhode Island	172	104	-	1,280
Connecticut	50	211	-	1,434
New York	19	448	11	4,444
New Jersey	417	528	16	6,277
Delaware	190	78	-	1,038
Maryland	465	446	50	3,722
Virginia	254	376	65	3,286
North Carolina	1,204	392	216	6,091
South Carolina	236	182	66	1,277
Georgia	43	86	82	764
Florida	2,854	2,970	-	25,789
Alabama	122	142	82	1,097
Mississippi	43	155	25	1,061
Louisiana	102	533	64	3,654
Washington	47	418	32	1,627
Oregon	80	263	22	901
California	220	1,422	63	5,949
<b>Grand Total</b>		<b>9,434</b>	<b>910</b>	<b>75,348</b>

NOTE: All counties in RI, CT, DE, and FL are considered coastal.

NOTE: Out-of-state angler estimates are not additive across states.