

# 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 Statistical 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 2001 in all coastal states except Texas and Alaska. In addition, sampling was conducted in the U.S. territory of Puerto Rico, and a pilot study was initiated in the Hawaiian Islands. 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.

**2001 MRFSS DATA.** In 2001, over 12 million people made 84 million marine recreational fishing trips to the Atlantic, Gulf and Pacific coasts. The estimated total marine recreational catch was 442 million fish, of which over 57 percent were released alive. The estimated total weight of harvested catch was 266 million pounds. The Atlantic coast accounted for the majority of total marine angling participation (53 percent), trips (63 percent), and catch (55 percent). The Gulf coast (excluding Texas, see MRFSS coverage page) accounted for 25 percent of participation, 27 percent of trips, and 37 percent of the catch. The Pacific coast accounted for about 21 percent of participants, 12 percent of trips, and 8 percent of the catch. Nationally, most (57 percent in numbers of fish) of the recreational catch came from inland waters, 31 percent from state territorial seas, and 12 percent from the EEZ. The majority of Atlantic, Gulf and Pacific trips fished primarily in inland waters.

**ATLANTIC.** In 2001, over 6.4 million marine recreational fishing participants took over 53 million trips and caught a total of more than 244 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, 9 percent in New York, 9 percent in Massachusetts, 8 percent in Virginia, and 7 percent in Maryland. 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 6 percent. The most commonly caught non-bait species (in numbers of fish) were summer flounder, Atlantic croaker, bluefish, black

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

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. After increasing from 14.1 million fish in 1999 to nearly 19 million fish in 2000, striped bass catch declined slightly to 15.6 million fish in 2001. Over 86 percent of the striped bass caught in 2001 were released alive. Annual summer flounder catch has increased from 9.1 million fish in 1990 to over 28 million fish in 2001. 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 in 2000, and over 20 million in 2001. Black sea bass catch, which varied between 6 and 16 million fish from 1990 through 1999, exceeded 18 million in 2000, but returned to around 16 million fish in 2001.

The species most commonly caught on Atlantic coast trips that fished primarily in federally managed waters were black sea bass, dolphin, Atlantic cod, summer flounder, Atlantic mackerel, and bluefish. Thirty percent of the total Atlantic catch came on saltwater trips that fished primarily in the state territorial seas, and 59 percent came on trips that fished primarily in inland waters.

**GULF OF MEXICO.** In 2001, over 3 million marine recreational fishing participants took over 22.8 million trips and caught a total of 163 million fish (excluding Texas). About 72 percent of the trips were made in west Florida, followed by 16 percent in Louisiana, 7 percent in Alabama, and 5 percent in Mississippi. The most commonly caught non-bait species (numbers of fish) were spotted seatrout, red drum, white grunt, blue runner, sand seatrout, Spanish mackerel, and Atlantic croaker. The largest harvests by weight were for red drum, spotted seatrout, sheepshead, red snapper, Spanish mackerel, king mackerel, and dolphin.

Red snapper catch has varied over the last ten years between 1.5 (1991 and 1995) and 3.2 (1999) million fish, with a total catch of over 2.6 million in 2001. King mackerel catch has varied between 420,000 (1999) and 750,000 (1991, 1996) over the last ten years, with a catch near the 10-year mean (580,000) in 2001. Spotted seatrout catch has varied between 19 million (1993, 1994, 1996) and 28 million (2001) over the last ten years, with

a catch of over 20 million in 2001. Red drum catch remained high, falling only slightly to 8.3 million in 2001 from a 10-year high of 8.7 million in 2000.

The species most commonly caught on Gulf of Mexico trips that fished primarily in federally managed waters were white grunt, red snapper, black sea bass, dolphin, and greater amberjack. Thirty percent of the total Gulf catch came on trips that fished primarily in the state territorial seas, and 60 percent came on trips that fished primarily in inland waters.

**PACIFIC.** In 2001, more than 2.5 million marine recreational fishing participants took over 9.6 million trips and caught a total of 35 million fish. Sixty-five percent of the trips were made in CA, followed by 23 percent in WA, and 12 percent in OR. The most commonly caught non-bait species (in numbers of fish) were surf smelt, barred sand bass, kelp bass, black rockfish, California halibut, white croaker, Pacific barracuda, and lingcod. By weight, the largest harvests were black rockfish, barred sand bass, California halibut, yellowtail, Pacific barracuda, lingcod, and blue rockfish.

Total annual catch of lingcod, which has varied between 240,000 (1995) and 584,000 (2000) fish from 1993 through 2000, exceeded 580,000 fish in 2001. Most of this increase was due to fish released alive. Total black rockfish catch, which has varied between 600,000 (1997) and 1.4 million (2000) fish since 1993, exceeded 1.2 million fish in 2001.

The most commonly caught Pacific coast species in federally managed waters were barred sand bass, kelp bass, sanddabs, Pacific barracuda, California scorpionfish, California halibut, yellowtail rockfish, bocaccio, and black rockfish. Fifty percent of the total Pacific catch came from trips that fished primarily in the state territorial seas, and 35 percent came from trips that fished primarily in inland waters.

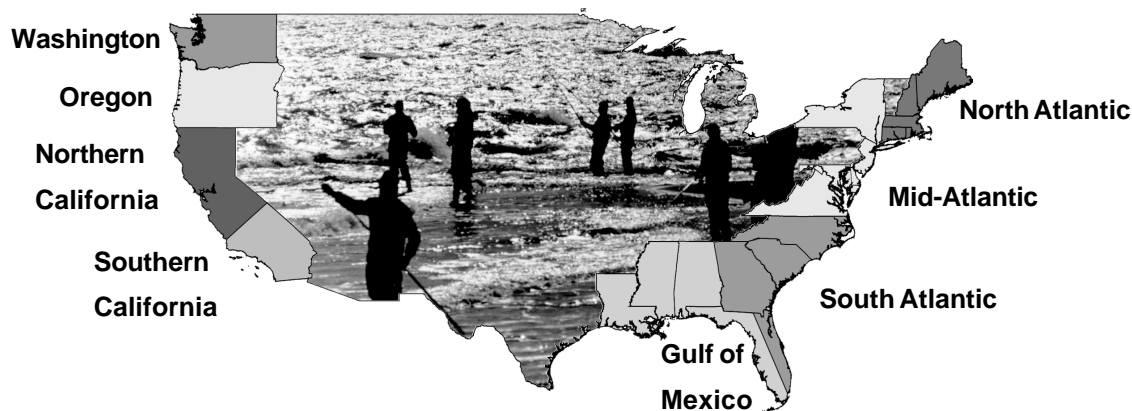
**PUERTO RICO.** In 2001, about 220,000 marine recreational participants took 1.4 million trips and caught a total of about 2.2 million fish. The most commonly caught non-bait species (in numbers of fish) were dolphin (121,000 fish) and lane snapper (80,780 fish). Estimated fishing participation, effort and catch data for Puerto Rico have not been included in the tables.

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## Coverage of Marine Recreational Fishery Statistics Survey

1979-2001

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 2001, the Survey included the Atlantic coast (Maine-East Florida), Gulf coast (Louisiana-West Florida), Pacific coast (Washington through California), Puerto Rico and Hawaii.



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.
- West Pacific U.S. territories have not been surveyed by the MRFSS since 1981.
- Hawaii was not surveyed between 1981 and 2001.
- The U.S. Caribbean 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, 2000 AND 2001

Species	2000			2001			Average (1997-01) Thousand pounds
	Thousand pounds	Metric tons	Total Numbers (thousands)	Thousand pounds	Metric tons	Total Numbers (thousands)	
<b>Anchovies**</b>							
Northern Anchovy	(1)	(1)	419	44	20	579	20
Other Anchovies	(1)	(1)	8	(1)	(1)	(1)	(1)
Barracudas	929	421	135	1,327	602	163	1,266
Bluefish	10,945	4,965	5,048	13,930	6,318	7,016	12,165
California Scorpionfish	268	122	230	304	138	293	252
<b>Cartilaginous Fishes</b>							
Dogfish Sharks**	317	144	75	202	92	69	347
Skates/Rays**	176	80	137	113	51	85	170
Other Sharks**	3,244	1,471	336	2,211	1,003	379	2,830
<b>Catfishes**</b>							
Freshwater Catfishes	379	172	239	162	74	118	445
Saltwater Catfishes	1,091	495	683	987	448	629	989
<b>Cods And Hakes</b>							
Atlantic Cod	5,132	2,328	812	7,054	3,200	1,118	4,075
Pacific Cod	(1)	(1)	(1)	2	1	1	1
Pacific Hake	(1)	(1)	(1)	(1)	(1)	(1)	1
Pacific Tomcod	1	(1)	6	(1)	(1)	2	1
Pollock	874	396	437	1,424	646	356	642
Red Hake	17	8	101	19	8	58	142
Other Cods/Hakes	478	217	151	512	232	168	277
<b>Croakers</b>							
California Corbina	6	3	7	5	2	14	15
Queenfish	35	16	121	6	3	76	16
White Croaker	153	69	372	108	49	389	182
Other Croakers	630	286	94	598	271	172	430
Dolphins**	16,364	7,423	2,539	16,121	7,312	2,088	16,211
<b>Drums</b>							
Atlantic Croaker	10,516	4,770	12,494	11,762	5,335	14,681	9,244
Black Drum	5,061	2,296	1,320	3,648	1,654	990	3,180
Kingfishes	2,936	1,332	5,474	3,797	1,722	7,456	2,523
Red Drum	15,860	7,194	3,672	14,802	6,714	3,475	12,801
Sand Seatrout	2,685	1,218	4,508	1,906	864	3,308	2,144
Silver Perch	96	44	654	61	27	404	82
Spot	2,105	955	5,010	3,605	1,635	7,308	2,632
Spotted Seatrout	16,672	7,562	12,946	13,685	6,208	10,200	12,890
Weakfish**	4,155	1,885	2,089	2,723	1,235	1,527	3,552
Other Drum	127	58	448	38	17	278	133
Eels**	17	8	56	4	2	54	11
<b>Flounders</b>							
California Halibut**	1,569	712	168	1,510	685	202	1,238
Gulf Flounder	280	127	169	306	139	212	244
Rock Sole	15	7	19	7	3	12	16
Sanddabs	284	129	840	146	66	451	153
Southern Flounder	1,668	757	1,023	1,713	777	1,128	1,514
Starry Flounder	12	5	8	23	11	14	14
Summer Flounder	16,515	7,491	7,820	11,660	5,289	5,307	12,195
Winter Flounder	2,021	917	1,459	1,304	592	964	1,265
Other Flounders**	507	230	258	321	146	168	632

See footnotes at end of table.

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Species	2000			2001			Average (1997-01) Thousand pounds
	Thousand pounds	Metric tons	Total Numbers (thousands)	Thousand pounds	Metric tons	Total Numbers (thousands)	
<b>Greenlings</b>							
Kelp Greenling	167	76	153	178	81	153	148
Lingcod	1,306	592	139	983	446	113	1,170
Other Greenlings	21	10	31	28	13	28	16
<b>Grunts</b>							
Pigfish	367	167	1,128	581	264	1,552	409
White Grunt	1,777	806	2,112	2,550	1,157	2,772	1,711
Other Grunts	158	72	608	193	87	463	312
Herrings**	565	256	29,572	1,179	535	34,272	1,054
<b>Jacks</b>							
Blue Runner	1,732	786	2,057	2,309	1,047	3,160	1,386
Crevalle Jack	1,753	795	601	2,116	960	812	1,540
Florida Pompano	780	354	650	808	366	614	668
Greater Amberjack	1,850	839	92	1,895	859	135	1,887
Yellowtail	2,303	1,045	164	1,190	540	87	2,646
Other Jacks	608	276	1,834	436	198	2,987	502
Mullet**	2,869	1,301	7,090	3,714	1,685	7,440	2,794
Pacific Barracuda	1,511	685	354	992	450	311	1,650
<b>Porgies</b>							
Pinfishes	2,420	1,098	6,892	2,293	1,040	9,469	2,075
Red Porgy	75	34	59	80	36	75	81
Scup**	5,443	2,469	7,244	4,262	1,933	5,099	2,734
Sheepshead	5,417	2,457	2,113	6,376	2,892	2,267	5,186
Other Porgies**	149	68	326	165	75	228	186
Puffers	112	51	219	181	82	346	114
<b>Rockfishes</b>							
Black Rockfish	2,724	1,236	1,423	2,364	1,072	1,119	2,085
Blue Rockfish	583	264	415	594	270	464	680
Bocaccio	525	238	203	307	139	199	277
Brown Rockfish	129	58	107	211	96	185	138
Canary Rockfish	292	132	147	171	78	78	220
Chilipepper Rockfish	104	47	73	136	62	77	54
Copper Rockfish	172	78	106	119	54	78	184
Gopher Rockfish	156	71	166	268	121	272	136
Greenspotted Rockfish	92	42	123	25	11	83	56
Olive Rockfish	114	52	68	132	60	159	101
Quillback Rockfish	70	32	34	57	26	26	76
Widow Rockfish	147	66	82	45	20	19	85
Yellowtail Rockfish	529	240	319	250	113	162	479
Other Rockfishes**	984	446	1,450	841	381	994	974
Sablefishes	2	1	1	1	(1)	1	5
<b>Sculpins</b>							
Cabezon	212	96	57	227	103	69	227
Sculpins	8	4	23	6	3	49	13
<b>Sea Basses</b>							
Barred Sand Bass	1,813	822	1,260	1,528	693	1,119	1,096
Black Sea Bass	4,766	2,162	4,546	4,483	2,033	3,932	3,652
<i>Epinephelus</i> Groupers**	2,341	1,062	355	1,606	729	248	1,456
Kelp Bass	1,007	457	648	509	231	633	627
<i>Mycteroperca</i> Groupers**	5,471	2,482	765	4,798	2,176	540	4,584
Spotted Sand Bass	96	44	76	49	22	49	54
Other Sea Basses	47	21	287	90	41	361	83

See footnotes at end of table.

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## U.S. RECREATIONAL HARVEST (A+B1), BY SPECIES, 2000 AND 2001

Species	2000			2001			Average (1997-01)
	Thousand pounds	Metric tons	Total Numbers (thousands)	Thousand pounds	Metric tons	Total Numbers (thousands)	
<b>Sea Chubs**</b>							
Halfmoon	83	38	76	118	54	132	57
Opaleye	54	24	49	90	41	59	60
Other Sea Chubs	(1)	(1)	(1)	(1)	(1)	(1)	1
Searobins	96	44	170	138	62	143	132
<b>Silversides</b>							
Jacksnelt	121	55	283	205	93	614	148
Other Silversides	3	1	30	5	2	46	5
<b>Smelts**</b>							
Surf Smelt	140	64	1,965	319	145	3,661	193
Other Smelts	(1)	(1)	(1)	(1)	(1)	(1)	(1)
<b>Snappers</b>							
Gray Snapper	1,838	834	1,265	1,899	861	1,199	1,555
Lane Snapper	207	94	212	381	173	392	283
Red Snapper	3,494	1,585	841	4,091	1,856	900	4,238
Vermilion Snapper	387	175	374	638	289	613	467
Yellowtail Snapper	316	143	245	251	114	189	378
Other Snappers**	319	145	95	296	134	79	307
Sturgeons	375	170	21	375	170	17	497
<b>Surfperches</b>							
Barred Surfperch	59	27	105	77	35	147	212
Black Perch	36	16	54	30	14	54	42
Pile Perch	15	7	19	32	15	32	32
Redtail Surfperch	122	55	126	112	51	123	84
Shiner Perch	13	6	292	8	4	183	9
Silver Surfperch	4	2	15	5	2	16	16
Striped Seaperch	44	20	47	86	39	96	90
Walleye Surfperch	13	6	51	25	11	163	24
White Seaperch	7	3	8	13	6	32	9
Other Surfperches	32	15	93	39	18	108	50
<b>Temperate Basses</b>							
Striped Bass	18,363	8,329	2,090	19,921	9,036	2,084	16,538
White Perch	691	314	1,758	288	131	664	635
Other Temperate Basses	(1)	(1)	(1)	(1)	(1)	1	1
Toadfishes	(1)	(1)	4	(1)	(1)	7	1
Triggerfishes/Filefishes	561	255	263	578	262	308	751
<b>Tunas And Mackerels</b>							
Atlantic Mackerel	3,192	1,448	4,194	3,386	1,536	4,127	2,974
King Mackerel**	8,728	3,959	930	7,507	3,405	691	8,835
Little Tunny / Atl.Bonito**	2,294	1,041	348	2,147	974	260	2,677
Pacific Bonito**	160	73	85	33	15	31	194
Spanish Mackerel	4,752	2,156	3,075	5,420	2,459	3,747	4,059
Other Tunas/Mackerels**	22,219	10,078	1,535	22,767	10,327	2,492	18,872
<b>Wrasses</b>							
California Sheephead	232	105	113	128	58	75	162
Cunner	50	23	77	2	1	56	31
Tautog	3,398	1,541	853	2,750	1,247	792	2,473
Other Wrasses	89	40	51	152	69	84	157
Other Fishes**	13,650	6,192	21,610	18,644	8,457	7,074	12,410
<b>Total Fish</b>	<b>264,064</b>	<b>119,786</b>	<b>191,979</b>	<b>262,432</b>	<b>119,037</b>	<b>186,702</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.

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## U.S. RECREATIONAL HARVEST (A+B1), BY MODE OF FISHING AND SPECIES GROUP, 2001

Species	Mode of fishing											
	Charter boat			Private/Rental boat			Shore			Grand Total		
	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	-	-	-	5	2	66	40	18	513	44	20	579
Other Anchovies	-	-	-	-	-	-	-	-	-	-	-	-
Barracudas	477	217	47	526	239	67	324	147	49	1,327	602	163
Bluefish	2,543	1,153	654	8,479	3,846	3,249	2,908	1,319	3,113	13,930	6,318	7,016
California Scorpionfish	186	85	171	115	52	119	3	1	3	304	138	293
<b>Cartilaginous Fishes</b>												
Dogfish Sharks**	71	32	17	80	36	41	50	23	11	202	92	69
Skates/Rays**	(1)	(1)	3	63	29	39	50	23	44	113	51	85
Other Sharks**	410	186	28	1,463	664	265	338	153	86	2,211	1,003	379
<b>Catfishes**</b>												
Freshwater Catfishes	(1)	(1)	1	108	49	84	54	25	33	162	74	118
Saltwater Catfishes	5	2	2	570	258	349	413	187	278	987	448	629
<b>Cods And Hakes</b>												
Atlantic Cod	2,127	965	336	4,927	2,235	782	(1)	(1)	(1)	7,054	3,200	1,118
Pacific Cod	(1)	(1)	(1)	2	1	1	(1)	(1)	(1)	2	1	1
Pacific Hake	(1)	(1)	(1)	(1)	(1)	(1)	-	-	-	(1)	(1)	(1)
Pacific Tomcod	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	1	(1)	(1)	2
Pollock	408	185	96	956	433	246	60	27	14	1,424	646	356
Red Hake	4	2	48	15	7	10	-	-	-	19	8	58
Other Cods/Hakes	279	126	87	233	106	75	(1)	(1)	7	512	232	168
<b>Croakers</b>												
California Corbina	(1)	(1)	(1)	1	(1)	1	5	2	14	5	2	14
Queenfish	2	1	4	(1)	(1)	2	4	2	70	6	3	76
White Croaker	6	3	17	66	30	167	36	16	205	108	49	389
Other Croakers	77	35	13	443	201	55	77	35	104	598	271	172
Dolphins**	5,240	2,377	674	10,881	4,936	1,414	(1)	(1)	(1)	16,121	7,312	2,088
<b>Drums</b>												
Atlantic Croaker	827	375	984	9,973	4,524	11,630	962	436	2,066	11,762	5,335	14,681
Black Drum	383	174	35	2,236	1,014	606	1,028	466	348	3,648	1,654	990
Kingfishes	9	4	17	1,882	854	3,382	1,906	865	4,057	3,797	1,722	7,456
Red Drum	1,440	653	334	11,886	5,392	2,918	1,475	669	223	14,802	6,714	3,475
Sand Seatrout	24	11	29	1,447	656	2,455	435	197	824	1,906	864	3,308
Silver Perch	(1)	(1)	(1)	7	3	70	53	24	334	61	27	404
Spot	95	43	198	2,125	964	3,735	1,385	628	3,374	3,605	1,635	7,308
Spotted Seatrout	1,435	651	991	11,399	5,171	8,556	851	386	654	13,685	6,208	10,200
Weakfish**	148	67	94	2,293	1,040	1,302	282	128	131	2,723	1,235	1,527
Other Drum	(1)	(1)	5	15	7	150	23	10	123	38	17	278
Eels**	4	2	2	(1)	(1)	3	(1)	(1)	50	4	2	54

See footnotes at end of table.

# U.S. Marine Recreational Fisheries

## U.S. RECREATIONAL HARVEST (A+B1), BY MODE OF FISHING AND SPECIES GROUP, 2001

Species	Mode of fishing						Shore			Grand Total		
	Charter boat		Private/Rental boat		Shore		Shore		Grand Total		Grand Total	
	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>Flounders</b>												
California Halibut**	199	90	30	1,265	574	164	46	21	8	1,510	685	202
Gulf Flounder	11	5	7	209	95	130	86	39	75	306	139	212
Rock Sole	1	(1)	2	6	3	10	(1)	(1)	1	7	3	12
Sanddabs	51	23	156	93	42	277	1	(1)	18	146	66	451
Southern Flounder	31	14	18	1,151	522	801	531	241	309	1,713	777	1,128
Starry Flounder	(1)	(1)	(1)	15	7	5	8	4	9	23	11	14
Summer Flounder	804	365	330	10,394	4,715	4,748	462	210	230	11,860	5,289	5,307
Winter Flounder	46	21	36	1,032	468	767	226	102	160	1,304	592	964
Other Flounders**	171	77	43	139	63	80	12	5	45	321	146	168
<b>Greenlings</b>												
Kelp Greenling	33	15	19	96	43	77	49	22	57	178	81	153
Lingcod	382	173	47	567	257	62	34	15	4	983	446	113
Other Greenlings	(1)	(1)	(1)	2	1	3	26	12	25	28	13	28
<b>Grunts</b>												
Pigfish	1	(1)	1	344	156	845	237	107	705	581	264	1,552
White Grunt	378	171	396	1,992	904	2,153	180	82	223	2,550	1,157	2,772
Other Grunts	5	2	12	90	41	227	98	44	224	193	87	463
Herrings**	(1)	(1)	131	578	262	19,799	601	273	14,342	1,179	535	34,272
<b>Jacks</b>												
Blue Runner	31	14	25	248	112	360	2,030	921	2,776	2,309	1,047	3,160
Crevalle Jack	31	14	7	630	286	232	1,455	660	574	2,116	960	812
Florida Pompano	8	4	4	214	97	135	586	266	476	808	366	614
Greater Amberjack	976	443	74	868	394	56	51	23	5	1,895	859	135
Yellowtail	784	355	46	406	184	42	-	-	-	1,190	540	87
Other Jacks	192	87	69	138	63	576	105	48	2,342	436	198	2,987
Mullet**	10	5	6	2,264	1,027	3,641	1,439	653	3,794	3,714	1,685	7,440
Pacific Barracuda	739	335	222	251	114	88	2	1	1	992	450	311
<b>Porgies</b>												
Pinfishes	9	4	29	1,450	658	5,445	834	378	3,995	2,293	1,040	9,469
Red Porgy	60	27	57	20	9	19	-	-	-	80	36	75
Scup**	585	265	769	3,151	1,429	3,564	526	239	766	4,262	1,933	5,099
Sheepshead	96	44	37	5,178	2,349	1,756	1,102	500	474	6,376	2,892	2,267
Other Porgies**	28	13	38	112	51	125	25	11	65	165	75	228
Puffers	3	2	5	100	45	159	77	35	183	181	82	346

See footnotes at end of table.



# U.S. Marine Recreational Fisheries

## U.S. RECREATIONAL HARVEST (A+B1), BY MODE OF FISHING AND SPECIES GROUP, 2001

Species	Mode of fishing											
	Charter boat			Private/Rental boat			Shore			Grand Total		
	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	1288	584	595	1015	460	483	62	28	41	2,364	1,072	1,119
Blue Rockfish	412	187	337	174	79	125	8	4	3	594	270	464
Bocaccio	245	111	165	61	28	34	-	-	-	307	139	199
Brown Rockfish	88	40	100	121	55	83	1	(1)	1	211	96	185
Canary Rockfish	123	56	53	48	22	25	1	(1)	(1)	171	78	78
Chilipepper Rockfish	136	62	77	(1)	(1)	(1)	-	-	-	136	62	77
Copper Rockfish	62	28	42	56	25	34	2	1	1	119	54	78
Gopher Rockfish	192	87	195	74	34	75	1	1	1	268	121	272
Greenspotted Rockfish	21	10	56	4	2	27	-	-	-	25	11	83
Olive Rockfish	121	55	145	10	5	14	1	(1)	1	132	60	159
Quilback Rockfish	33	15	14	24	11	12	-	-	-	57	26	26
Widow Rockfish	45	20	18	(1)	(1)	1	-	-	-	45	20	19
Yellowtail Rockfish	211	96	140	39	18	22	-	-	-	250	113	162
Other Rockfishes**	503	228	645	306	139	325	32	14	23	841	381	994
Sablefishes	1	(1)	1	(1)	(1)	(1)	-	-	-	1	(1)	1
<b>Sculpins</b>												
Cabezon	57	26	17	131	60	35	39	18	16	227	103	69
Sculpins	(1)	(1)	(1)	2	1	9	4	2	39	6	3	49
<b>Sea Bases</b>												
Barred Sand Bass	738	335	556	786	356	558	5	2	4	1,528	693	1,119
Black Sea Bass	2104	954	1904	2346	1064	1993	33	15	36	4,483	2,033	3,932
Epinephelus Groupers**	439	199	72	1167	529	176	(1)	(1)	(1)	1606	729	248
Kelp Bass	227	103	332	280	127	299	1	1	2	509	231	633
Mycteroperca Groupers**	1227	557	132	3509	1592	404	62	28	4	4,798	2,176	540
Spotted Sand Bass	(1)	(1)	(1)	46	21	47	3	1	2	49	22	49
Other Sea Bases	2	1	23	75	34	241	13	6	97	90	41	361
<b>Sea Chubs**</b>												
Halfmoon	95	43	110	23	11	20	(1)	(1)	2	118	54	132
Opaleye	9	4	7	9	4	6	72	33	46	90	41	59
Other Sea Chubs	-	-	-	-	-	-	-	-	-	-	-	-
Searobins	2	1	9	117	53	101	19	8	33	138	62	143
<b>Silversides</b>												
Jacksmelt	(1)	(1)	(1)	124	56	367	81	37	247	205	93	614
Other Silversides	(1)	(1)	(1)	(1)	(1)	(1)	5	2	46	5	2	46
Surf Smelt	(1)	(1)	(1)	(1)	(1)	6	318	144	3656	319	145	3,661

See footnotes at end of table.

# U.S. Marine Recreational Fisheries

## U.S. RECREATIONAL HARVEST (A+B1), BY MODE OF FISHING AND SPECIES GROUP, 2001

Species	Charter boat						Mode of fishing						Grand Total		
	Charter boat			Private/Rental boat			Shore			Grand Total					
	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	205	93	98	1,433	650	840	261	118	260	1,899	861	1,199			
Lane Snapper	31	14	33	329	149	343	21	9	17	381	173	392			
Red Snapper	1,524	691	408	2,557	1,160	491	11	5	1	4,091	1,856	900			
Vermilion Snapper	319	145	273	319	145	340	-	-	-	638	289	613			
Yellowtail Snapper	120	54	92	129	59	96	2	1	1	251	114	189			
Other Snappers**	87	40	24	180	81	47	29	13	8	296	134	79			
Sturgeons	36	16	2	326	148	15	12	6	1	375	170	17			
<b>Surfperches</b>															
Barred Surfperch	(1)	(1)	(1)	(1)	(1)	(1)	76	35	147	77	35	147			
Black Perch	1	(1)	1	16	7	21	13	6	32	30	14	54			
Pile Perch	-	-	-	8	4	10	24	11	21	32	15	32			
Redtail Surfperch	-	-	-	40	18	38	72	33	85	112	51	123			
Shiner Perch	-	-	-	(1)	(1)	(1)	8	4	183	8	4	183			
Silver Surfperch	-	-	-	(1)	(1)	(1)	5	2	15	5	2	16			
Striped Seaperch	-	-	-	34	16	40	51	23	56	86	39	96			
Walleye Surfperch	-	-	-	3	1	10	22	10	153	25	11	163			
White Seaperch	(1)	(1)	(1)	3	1	7	10	4	24	13	6	32			
Other Surfperches	3	1	6	9	4	17	27	12	86	39	18	108			
<b>Temperate Bases</b>															
Striped Bass	3,235	1,467	281	14,930	6,772	1,602	1,756	796	200	19,921	9,036	2,084			
White Perch	2	1	4	235	107	554	50	23	106	288	131	664			
Other Temperate Bases	-	-	-	(1)	(1)	1	-	-	-	(1)	(1)	1			
Toadfishes	(1)	(1)	(1)	(1)	(1)	6	(1)	(1)	1	(1)	(1)	7			
Triggriffishes/Flefishes	264	120	140	306	139	162	8	4	5	578	262	308			
<b>Tunas And Mackerels</b>															
Atlantic Mackerel	362	164	444	2,844	1,290	3,286	180	82	397	3,386	1,536	4,127			
King Mackerel**	2,024	918	221	4,974	2,256	413	508	231	57	7,507	3,405	691			
Little Tunny/Atlantic Bonito**	738	335	94	906	411	111	503	228	55	2,147	974	260			
Pacific Bonito**	27	12	20	5	2	6	2	1	5	33	15	31			
Spanish Mackerel	392	178	243	2,633	1,194	1,685	2,395	1,086	1,820	5,420	2,459	3,747			
Other Tunas/Mackerels**	10,021	4,545	570	11,925	5,409	881	820	372	1,041	22,767	10,327	2,492			
<b>Wrasses</b>															
California Sheephead	73	33	43	55	25	32	(1)	(1)	(1)	128	58	75			
Cunner	(1)	(1)	(1)	1	(1)	41	1	1	15	2	1	56			
Tautog	304	138	96	2,247	1,019	622	199	90	74	2,750	1,247	792			
Other Wrasses	2	1	3	142	65	72	8	4	9	152	69	84			
Other Fishes**	2,380	1,079	464	14,304	6,488	3,269	1,960	889	3,341	18,644	8,457	7,074			
<b>Grand Total</b>	<b>52,396</b>	<b>23,764</b>	<b>16,808</b>	<b>176,634</b>	<b>80,126</b>	<b>108,765</b>	<b>33,388</b>	<b>15,143</b>	<b>61,132</b>	<b>262,432</b>	<b>119,037</b>	<b>186,702</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. Marine Recreational Fisheries

## U.S. RECREATIONAL HARVEST (A+B1), BY DISTANCE FROM SHORE AND SPECIES GROUP, 2001

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
	Thousand pounds	Metric tons	Total Numbers (thousands)	Thousand pounds	Metric tons	Total Numbers (thousands)	Thousand pounds	Metric tons
<b>Anchovies</b>								
Northern Anchovy	37	16	547	8	4	32	44	20
Other Anchovies	-	-	-	-	-	-	-	-
Barracudas	170	77	25	676	308	89	1,327	602
Bluefish	6,221	2,822	3,615	4,952	2,246	2,757	13,930	6,318
California Scorpionfish	16	7	15	192	87	175	304	138
<b>Cartilaginous Fishes</b>								
Dogfish Sharks**	118	53	44	15	7	10	202	92
Skates/Rays**	83	38	55	22	11	29	113	51
Other Sharks**	790	358	138	837	380	161	2,211	1,003
<b>Catfishes**</b>								
Freshwater Catfishes	161	73	118	1	1	(1)	162	74
Saltwater Catfishes	706	320	474	272	122	146	987	448
<b>Cods And Hakes</b>								
Atlantic Cod	787	357	134	1,123	510	192	7,054	3,200
Pacific Cod	2	1	1	-	-	-	2	1
Pacific Hake	-	-	-	-	-	-	(1)	(1)
Pacific Tomcod	(1)	(1)	(1)	(1)	(1)	1	(1)	(1)
Pollock	280	127	80	278	125	64	1,424	646
Red Hake	(1)	(1)	3	(1)	(1)	(1)	19	8
Other Cods/Hakes	4	2	7	17	8	7	512	232
<b>Croakers</b>								
California Corbina	1	1	1	5	1	14	5	2
Queenfish	1	(1)	7	3	2	66	6	3
White Croaker	47	21	106	58	26	259	108	49
Other Croakers	15	7	22	582	264	149	598	271
Dolphins**	26	11	6	1,220	555	208	16,121	7,312
<b>Drums</b>								
Atlantic Croaker	10,711	4,858	13,282	695	316	1,019	11,762	5,335
Black Drum	2,954	1,340	713	616	280	258	3,648	1,654
Kingfishes	1,598	725	2,795	2,129	966	4,517	3,797	1,722
Red Drum	12,065	5,473	3,052	2,401	1,089	377	14,802	6,714
Sand Seatrout	1,488	675	2,632	400	181	643	1,906	864
Silver Perch	44	20	280	16	7	120	61	27
Spot	2,630	1,193	4,876	959	435	2,404	3,605	1,635
Spotted Seatrout	10,451	4,742	8,278	2,858	1,296	1,676	13,685	6,208
Weakfish**	2,320	1,052	1,267	276	126	194	2,723	1,235
Other Drum	22	10	103	16	7	173	38	17
Eels**	1	(1)	46	(1)	(1)	8	4	2

See footnotes at end of table.

# U.S. Marine Recreational Fisheries

U.S. RECREATIONAL HARVEST (A+B1), BY DISTANCE FROM SHORE AND SPECIES GROUP, 2001

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)						
<b>Flounders</b>												
California Halibut**	591	268	89	833	378	100	86	39	13	1,510	685	202
Gulf Flounder	170	77	119	105	48	82	31	14	11	306	139	212
Rock Sole	6	3	11	1	(1)	1	(1)	(1)	(1)	7	3	12
Sanddabs	19	8	68	55	24	164	71	32	219	146	66	451
Southern Flounder	1,405	637	955	260	118	148	48	22	25	1,713	777	1,128
Starry Flounder	9	4	9	15	7	5	(1)	(1)	(1)	23	11	14
Summer Flounder	8,504	3,858	3,969	2,159	980	923	997	452	416	11,660	5,289	5,307
Winter Flounder	1,037	470	773	242	110	175	25	11	15	1,304	592	964
Other Flounders**	67	31	76	11	5	48	244	109	44	321	146	168
<b>Greenlings</b>												
Kelp Greenling	106	48	105	65	29	44	7	3	4	178	81	153
Lingcod	203	92	22	600	271	71	180	82	20	983	446	113
Other Greenlings	6	3	8	22	10	20	(1)	(1)	(1)	28	13	28
<b>Grunts</b>												
Pigfish	411	186	1,090	133	60	356	38	17	105	581	264	1,552
White Grunt	304	138	337	675	306	786	1,571	713	1,649	2,550	1,157	2,772
Other Grunts	69	31	88	91	41	250	33	15	125	193	87	463
Herrings**	892	405	22,348	234	106	9,912	53	24	2,012	1,179	535	34,272
<b>Jacks</b>												
Blue Runner	266	121	400	1,949	883	2,646	94	43	115	2,309	1,047	3,160
Crevalle Jack	870	394	397	1,198	544	413	48	22	3	2,116	960	812
Florida Pompano	233	106	158	572	259	455	3	2	2	808	366	614
Greater Amberjack	12	5	2	299	136	15	1,584	719	118	1,895	859	135
Yellowtail	-	-	-	996	451	61	194	88	27	1,190	540	87
Other Jacks	48	22	286	88	40	2,405	299	136	296	436	198	2,987
Mullet**	2,793	1,267	4,675	901	409	2,534	19	9	232	3,714	1,685	7,440
Pacific Barracuda	(1)	(1)	2	694	315	207	298	135	102	992	450	311
<b>Porgies</b>												
Pinfishes	1,458	661	6,161	628	285	2,594	207	94	714	2,293	1,040	9,469
Red Porgy	-	-	-	11	5	15	69	31	61	80	36	75
Scup**	3,057	1,387	3,619	931	422	1,149	274	124	331	4,262	1,933	5,099
Sheepshead	3,957	1,795	1,536	1,536	697	519	883	401	212	6,376	2,892	2,267
Other Porgies**	26	12	37	54	25	87	85	38	104	165	75	228
Puffers	97	44	193	80	37	143	3	1	11	181	82	346

See footnotes at end of table.

# U.S. Marine Recreational Fisheries

## U.S. RECREATIONAL HARVEST (A+B1), BY DISTANCE FROM SHORE AND SPECIES GROUP, 2001

Species	Distance from U.S. shores						3 to 200 miles (Exclusive Economic Zone)			Grand Total		
	Inland			0 to 3 miles (2) (State Territorial Sea)			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	125	57	68	2,039	924	962	201	91	89	2,364	1,072	1,119
Blue Rockfish	4	2	3	538	244	418	52	24	44	594	270	464
Bocaccio	-	-	-	105	48	107	201	91	92	307	139	199
Brown Rockfish	24	11	11	149	67	147	37	17	26	211	96	185
Canary Rockfish	2	1	1	91	41	49	79	36	28	171	78	78
Chilipepper Rockfish	-	-	-	3	1	4	133	61	73	136	62	77
Copper Rockfish	29	13	17	54	24	38	37	17	22	119	54	78
Gopher Rockfish	2	1	3	257	117	259	8	4	9	268	121	272
Greenspotted Rockfish	-	-	-	5	2	30	20	10	53	25	11	83
Olive Rockfish	-	-	-	54	24	99	78	36	61	132	60	159
Quilback Rockfish	20	9	10	23	10	11	14	7	5	57	26	26
Widow Rockfish	-	-	-	35	16	14	10	4	5	45	20	19
Yellowtail Rockfish	2	1	1	80	37	63	168	76	98	250	113	162
Other Rockfishes**	26	12	12	552	250	655	263	119	326	841	381	994
Sablefishes	-	-	-	-	-	-	1	(1)	1	1	(1)	1
<b>Sculpins</b>												
Cabezon	32	15	12	180	82	50	15	7	6	227	103	69
Sculpins	4	2	28	2	1	20	(1)	(1)	(1)	6	3	49
<b>Sea Bases</b>												
Barred Sand Bass	115	52	102	915	415	644	499	226	372	1,528	693	1,119
Black Sea Bass	403	183	279	658	299	608	3,422	1,551	3,046	4,483	2,033	3,932
Epinephelus Groupers**	10	4	2	109	49	19	1,487	675	227	1,606	729	248
Kelp Bass	5	2	6	393	179	525	110	50	102	509	231	633
Mycteroperca Groupers**	160	72	18	815	371	94	3,823	1,734	428	4,798	2,176	540
Spotted Sand Bass	38	18	42	10	4	6	1	(1)	1	49	22	49
Other Sea Bases	16	7	61	25	12	117	49	22	183	90	41	361
<b>Sea Chubs**</b>												
Halfmoon	-	-	-	117	53	131	1	1	1	118	54	132
Opaleye	14	7	19	76	34	40	-	-	-	90	41	59
Other Sea Chubs												
Searobins	119	54	113	12	5	17	7	3	13	138	62	143
<b>Silversides</b>												
Jacksnelt	44	20	122	161	73	491	(1)	(1)	1	205	93	614
Other Silversides	2	1	12	3	1	33	-	-	-	5	2	46
Surf Smelt	273	124	3,246	45	20	416	-	-	-	319	145	3,661

See footnotes at end of table.

# U.S. Marine Recreational Fisheries

## U.S. RECREATIONAL HARVEST (A+B1), BY DISTANCE FROM SHORE AND SPECIES GROUP, 2001

Species	Distance from U.S. shores						3 to 200 miles (Exclusive Economic Zone)			Grand Total		
	Inland		0 to 3 miles (2) (State Territorial Sea)		0 to 3 miles (2) (State Territorial Sea)		3 to 200 miles (Exclusive Economic Zone)		3 to 200 miles (Exclusive Economic Zone)		Grand Total	
	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	494	224	511	481	218	364	924	419	323	1,899	861	1,199
Lane Snapper	36	15	34	77	35	270	268	122	270	381	173	392
Red Snapper	20	9	4	540	245	143	3,532	1,602	753	4,091	1,856	900
Vermilion Snapper	(1)	(1)	(1)	69	32	75	569	258	538	638	289	613
Yellowtail Snapper	2	1	1	67	31	59	182	82	129	251	114	189
Other Snappers**	40	18	10	119	54	30	137	62	39	296	134	79
Sturgeons	374	170	18	-	-	-	-	-	-	375	170	17
<b>Surperches</b>												
Barred Surperch	1	(1)	1	75	35	146	-	-	-	77	35	147
Black Perch	13	6	27	17	7	27	-	-	-	30	14	54
Pile Perch	25	11	24	7	4	7	-	-	-	32	15	32
Redtail Surperch	46	21	47	66	30	76	(1)	(1)	(1)	112	51	123
Shiner Perch	4	2	84	4	2	99	-	-	-	8	4	183
Silver Surperch	1	(1)	2	4	2	13	-	-	-	5	2	16
Striped Seaperch	47	22	63	38	17	33	-	-	-	86	39	96
Walleye Surperch	5	2	19	20	9	144	-	-	-	25	11	163
White Seaperch	12	5	29	1	(1)	2	-	-	-	13	6	32
Other Surperches	16	7	35	23	10	74	(1)	(1)	(1)	39	18	108
<b>Temperate Basses</b>												
Striped Bass	10,331	4,686	1,268	7,801	3,538	670	1,789	811	145	19,921	9,036	2,084
White Perch	287	131	664	(1)	(1)	(1)	-	-	-	288	131	664
Other Temperate Basses	(1)	(1)	1	-	-	-	-	-	-	(1)	(1)	1
Toadfishes	(1)	(1)	6	(1)	(1)	1	(1)	(1)	(1)	(1)	(1)	7
Triggerfishes/Filefishes	62	28	30	130	59	79	386	176	198	578	262	308
<b>Tunas And Mackerels</b>												
Atlantic Mackerel	1,166	529	1,173	1,336	606	1,823	884	401	1,131	3,386	1,536	4,127
King Mackerel**	49	22	8	3,004	1,363	258	4,453	2,020	425	7,507	3,405	691
Little Tunny/Atlantic Bonito**	9	4	1	1,237	561	143	901	409	116	2,147	974	260
Pacific Bonito**	2	1	5	32	14	24	(1)	(1)	2	33	15	31
Spanish Mackerel	1,345	610	920	3,490	1,583	2,458	585	265	370	5,420	2,459	3,747
Other Tunas/Mackerels**	557	252	620	1,039	471	897	21,170	9,603	975	22,767	10,327	2,492
<b>Wrasses</b>												
California Sheephead	-	-	-	103	47	63	25	11	12	128	58	75
Cunner	(1)	(1)	43	2	1	13	(1)	(1)	(1)	2	1	56
Tautog	1,216	551	328	957	434	290	577	262	174	2,750	1,247	792
Other Wrasses	1	(1)	6	64	29	33	87	41	45	152	69	84
Other Fishes**	8,103	3,675	3,981	5,453	2,474	2,356	5,088	2,307	737	18,644	8,457	7,074
<b>Grand Total</b>	<b>106,098</b>	<b>48,122</b>	<b>104,406</b>	<b>69,827</b>	<b>31,675</b>	<b>58,632</b>	<b>86,501</b>	<b>39,237</b>	<b>23,665</b>	<b>262,432</b>	<b>119,037</b>	<b>186,702</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, 1992-2001

Year	Barracudas			Bluefish		
	<u>Pounds harvested</u> (thousands)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)	<u>Pounds harvested</u> (thousands)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)
1992	1,106	173	627	24,782	7,479	4,511
1993	1,323	196	592	20,641	5,917	4,384
1994	1,656	211	695	15,992	6,056	6,349
1995	1,627	246	673	14,901	5,411	5,552
1996	1,956	229	616	12,119	4,426	5,591
1997	1,719	162	437	14,559	5,585	7,609
1998	1,162	150	396	12,778	4,430	5,340
1999	1,192	139	393	8,612	3,856	8,022
2000	929	135	379	10,945	5,048	11,594
2001	1,327	163	331	13,930	7,016	14,142
Year	Cartilaginous Fishes			Catfishes		
	<u>Pounds harvested</u> (thousands)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)	<u>Pounds harvested</u> (thousands)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)
1992	5,076	544	4,113	2,181	1,704	12,862
1993	5,295	646	4,708	2,160	1,764	12,017
1994	4,351	596	5,903	1,887	1,595	14,223
1995	9,956	602	5,449	1,566	1,259	13,496
1996	4,955	557	6,107	1,586	1,008	8,334
1997	4,049	565	6,791	1,886	916	8,573
1998	3,313	523	6,787	1,663	973	7,961
1999	3,109	351	6,181	997	709	7,702
2000	3,737	548	8,864	1,470	922	11,332
2001	2,526	533	11,638	1,149	747	12,271
Year	Cods and Hakes			Dolphins		
	<u>Pounds harvested</u> (thousands)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)	<u>Pounds harvested</u> (thousands)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)
1992	2,995	1,178	473	9,791	1,318	166
1993	7,486	1,953	1,477	10,897	1,762	177
1994	5,124	1,636	1,590	12,799	2,215	236
1995	6,021	1,648	1,600	19,570	2,268	337
1996	3,908	877	832	12,511	1,668	241
1997	3,653	1,043	782	23,021	2,283	234
1998	3,552	849	1,049	12,125	1,889	187
1999	2,979	781	974	13,427	2,065	217
2000	6,502	1,507	2,061	16,364	2,539	308
2001	9,011	1,703	2,367	16,121	2,088	308

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, 1992-2001

Year	Drums			Flounders		
	<u>Pounds harvested</u> (thousands)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)	<u>Pounds harvested</u> (thousands)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)
1992	35,280	40,647	35,462	10,105	7,303	8,775
1993	33,683	38,143	39,676	13,257	10,525	20,420
1994	38,709	48,715	48,958	13,818	9,890	15,376
1995	42,214	41,412	41,611	11,276	6,666	16,079
1996	39,068	35,128	38,042	14,861	10,526	16,087
1997	44,600	39,757	50,684	16,971	10,286	16,849
1998	41,254	36,520	44,142	16,619	9,207	19,214
1999	43,813	39,517	49,966	12,908	6,500	19,855
2000	60,213	48,615	63,100	22,871	11,764	21,996
2001	56,027	49,627	50,125	16,990	8,458	27,177
Year	Grunts			Herrings		
	<u>Pounds harvested</u> (thousands)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)	<u>Pounds harvested</u> (thousands)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)
1992	2,980	4,831	6,757	2,034	23,974	4,959
1993	2,348	4,462	7,107	753	28,244	6,499
1994	2,891	5,632	8,256	763	26,411	12,137
1995	3,111	5,534	7,868	976	26,010	4,947
1996	2,450	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	649	23,278	7,625
2000	2,302	3,848	6,465	565	29,572	7,999
2001	3,324	4,787	8,620	1,179	34,272	7,231
Year	Jacks			Mulletts		
	<u>Pounds harvested</u> (thousands)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)	<u>Pounds harvested</u> (thousands)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)
1992	5,936	5,550	6,017	5,187	5,240	331
1993	8,424	5,783	6,659	2,389	3,947	239
1994	6,270	4,151	7,197	3,096	3,893	495
1995	4,881	3,318	5,630	2,116	4,180	594
1996	6,059	3,625	5,091	1,902	2,796	937
1997	8,180	4,954	7,179	2,474	2,857	401
1998	10,222	4,200	7,959	2,674	3,240	516
1999	6,970	3,435	6,775	2,241	5,710	904
2000	9,026	5,398	7,736	2,869	7,090	2,188
2001	8,754	7,795	10,225	3,714	7,440	2,022

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, 1992-2001

Year	Porgies			Puffers		
	<u>Pounds harvested</u> (thousands)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)	<u>Pounds harvested</u> (thousands)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)
1992	13,393	17,502	12,316	359	743	1,357
1993	11,377	15,738	10,584	167	338	986
1994	10,057	13,659	13,049	97	248	893
1995	10,985	14,696	12,175	132	255	694
1996	9,182	13,475	11,115	116	247	579
1997	8,499	13,113	14,589	153	284	762
1998	7,734	10,777	13,803	63	148	615
1999	8,397	10,519	12,630	59	175	1,117
2000	13,504	16,634	17,077	112	219	1,189
2001	13,176	17,138	19,944	181	346	1,583
Year	Sculpins			Sea Basses		
	<u>Pounds harvested</u> (thousands)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)	<u>Pounds harvested</u> (thousands)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)
1992	7	9	45	9,762	6,628	12,587
1993	278	245	858	14,293	10,715	13,853
1994	187	87	289	11,792	7,921	14,503
1995	191	140	453	15,328	10,970	17,394
1996	294	164	386	10,896	7,413	12,838
1997	213	138	468	11,318	7,927	15,895
1998	312	129	319	8,479	3,560	11,888
1999	222	102	228	9,353	3,869	14,627
2000	220	80	457	15,541	7,937	26,757
2001	233	118	401	13,063	6,882	24,062
Year	Searobins			Snappers		
	<u>Pounds harvested</u> (thousands)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)	<u>Pounds harvested</u> (thousands)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)
1992	205	261	4,507	7,433	4,208	7,447
1993	156	245	7,481	8,217	4,989	7,940
1994	48	125	4,582	7,229	4,083	6,397
1995	22	101	4,710	6,161	3,534	6,591
1996	212	193	5,094	5,152	2,674	6,147
1997	242	238	5,528	7,587	3,504	8,259
1998	106	202	3,796	7,099	3,341	7,361
1999	78	122	5,950	7,344	3,385	7,332
2000	96	170	7,688	6,561	3,032	8,141
2001	138	143	8,176	7,556	3,372	6,945

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, 1992-2001

Year	Temperate Basses			Toadfishes		
	<u>Pounds harvested</u> (thousands)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)	<u>Pounds harvested</u> (thousands)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)
1992	4,684	1,977	5,538	19	152	1,631
1993	6,784	2,895	7,321	17	39	2,638
1994	7,891	2,827	10,490	28	61	1,720
1995	13,442	2,382	12,303	1	30	1,618
1996	14,542	3,560	14,882	1	14	1,048
1997	17,682	4,314	20,155	0	33	1,120
1998	14,084	3,323	18,577	2	10	998
1999	14,839	2,564	15,526	0	9	911
2000	19,054	3,848	21,360	0	4	1,481
2001	20,209	2,749	15,428	0	7	2,094
Year	Triggerfishes/Filefishes			Tunas And Mackerels		
	<u>Pounds harvested</u> (thousands)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)	<u>Pounds harvested</u> (thousands)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)
1992	1,654	796	307	24,519	7,067	3,027
1993	1,547	767	232	31,267	8,603	5,487
1994	1,414	740	179	36,291	12,039	5,507
1995	1,208	671	192	37,436	9,257	5,811
1996	849	468	268	34,421	9,164	6,477
1997	1,086	511	232	41,154	11,500	6,619
1998	775	390	233	30,354	7,207	4,114
1999	757	390	196	33,935	8,331	3,916
2000	561	263	199	41,345	10,167	5,457
2001	578	308	234	41,260	11,348	7,299
Year	Wrasses			California Scorpionfish		
	<u>Pounds harvested</u> (thousands)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)	<u>Pounds harvested</u> (thousands)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)
1992	8,240	3,088	3,313	-	-	-
1993	6,538	2,879	3,532	166	148	72
1994	4,149	1,761	2,484	258	242	126
1995	5,130	2,058	3,287	224	212	139
1996	3,548	1,292	1,740	339	342	234
1997	2,597	929	1,820	206	243	132
1998	1,757	572	2,053	185	160	66
1999	2,959	951	3,101	297	280	105
2000	3,769	1,094	2,467	268	230	237
2001	3,032	1,007	3,056	304	293	289

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, 1992-2001

Year	Croakers			Greenlings		
	<u>Pounds harvested</u> (thousands)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)	<u>Pounds harvested</u> (thousands)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)
1993	583	1,217	1,145	1,815	497	174
1994	447	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	1,062	299	244
1998	426	610	355	1,408	270	299
1999	689	533	469	1,516	269	248
2000	824	594	649	1,494	323	551
2001	717	651	662	1,189	294	593
Year	Pacific Barracuda			Rockfishes		
	<u>Pounds harvested</u> (thousands)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)	<u>Pounds harvested</u> (thousands)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)
1993	1,688	428	822	6,089	4,901	1,447
1994	2,016	526	1,239	4,811	3,797	698
1995	2,491	563	816	4,190	2,918	666
1996	1,011	234	350	4,812	3,740	808
1997	1,700	374	475	3,799	2,986	679
1998	2,058	450	752	5,593	4,134	735
1999	1,988	423	475	6,196	4,943	478
2000	1,511	354	517	6,621	4,716	612
2001	992	311	515	5,520	3,915	785
Year	Sea Chubs			Silversides		
	<u>Pounds harvested</u> (thousands)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)	<u>Pounds harvested</u> (thousands)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)
1993	87	129	59	440	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	137	125	72	124	313	46
2001	208	191	96	210	660	120
Year	Smelts			Surfperches		
	<u>Pounds harvested</u> (thousands)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)	<u>Pounds harvested</u> (thousands)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)
1993	159	1,628	31	757	1,364	608
1994	90	1,208	0	442	819	365
1995	122	1,416	0	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	140	1,965	3	345	810	428
2001	319	3,661	76	427	954	523

(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, 2000 and 2001

State	2000		
	<u>Pounds Harvested</u> (thousands)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)
Maine	1,571	1,662	1,531
New Hampshire	1,074	911	942
Massachusetts	15,538	5,839	12,157
Rhode Island	7,020	3,097	3,782
Connecticut	3,029	5,676	4,370
New York	17,050	20,502	13,848
New Jersey	24,645	11,487	25,448
Delaware	3,486	1,770	4,250
Maryland	8,872	7,882	22,099
Virginia	13,112	9,013	17,541
North Carolina	22,699	8,963	14,541
South Carolina	2,834	1,931	3,708
Georgia	2,202	1,928	3,245
Florida	65,937	71,578	83,117
Alabama	5,859	3,259	4,127
Mississippi	2,815	2,610	2,441
Louisiana	31,970	17,508	22,772
Washington	4,793	3,236	2,370
Oregon	5,635	1,848	514
California	23,913	11,275	9,963
<b>Grand Total</b>	<b>264,054</b>	<b>191,975</b>	<b>252,766</b>

State	2001		
	<u>Pounds Harvested</u> (thousands)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)
Maine	1,964	1,460	1,518
New Hampshire	2,150	1,256	1,119
Massachusetts	15,984	5,120	10,598
Rhode Island	4,457	2,298	3,443
Connecticut	3,432	2,014	4,447
New York	11,127	4,332	16,394
New Jersey	22,323	11,152	27,758
Delaware	3,246	1,128	4,598
Maryland	8,366	4,509	13,723
Virginia	17,732	13,580	17,583
North Carolina	24,146	11,753	16,531
South Carolina	3,156	2,520	3,345
Georgia	2,017	1,820	3,085
Florida	68,236	82,117	89,485
Alabama	9,574	5,399	5,599
Mississippi	3,620	3,305	4,715
Louisiana	26,365	13,489	14,307
Washington	7,640	4,797	2,321
Oregon	6,114	2,120	861
California	20,783	12,527	12,195
<b>Grand Total</b>	<b>262,432</b>	<b>186,696</b>	<b>253,625</b>

# U.S. Marine Recreational Fisheries

**U.S. RECREATIONAL NUMBERS OF ANGLERS AND TRIPS BY STATES, 2000 AND 2001**

State	2000			
	Out-of-State Anglers	In-State Anglers		Number of Angler Trips
		From Coastal Counties	From Non-Coastal Counties	
----- Numbers in thousands -----				
Maine	150	139	20	895
New Hampshire	85	77	10	368
Massachusetts	265	493	90	4,622
Rhode Island	184	112	-	1,373
Connecticut	53	222	-	1,508
New York	20	469	12	4,645
New Jersey	430	544	17	6,469
Delaware	201	82	-	1,096
Maryland	481	461	51	3,851
Virginia	262	388	68	3,391
North Carolina	1,277	416	229	6,460
South Carolina	250	190	70	1,340
Georgia	44	89	86	796
Florida	2,945	3,061	-	26,566
Alabama	121	141	81	1,087
Mississippi	44	160	26	1,093
Louisiana	104	548	66	3,752
Washington	47	423	32	1,643
Oregon	83	271	23	930
California	225	1,419	64	5,944
<b>Grand Total</b>	<b>7,271</b>	<b>9,705</b>	<b>945</b>	<b>77,829</b>

State	2001			
	Out-of-State Anglers	In-State Anglers		Number of Angler Trips
		From Coastal Counties	From Non-Coastal Counties	
----- Numbers in thousands -----				
Maine	166	126	16	932
New Hampshire	74	68	13	360
Massachusetts	279	392	79	4,524
Rhode Island	260	137	-	1,496
Connecticut	78	246	-	1,723
New York	29	474	11	4,624
New Jersey	543	721	42	7,484
Delaware	226	107	-	1,180
Maryland	426	565	50	3,790
Virginia	520	423	88	4,128
North Carolina	1,301	454	251	6,650
South Carolina	224	180	77	1,676
Georgia	38	83	91	807
Florida	3,296	3,439	-	28,853
Alabama	194	211	98	1,636
Mississippi	70	197	44	1,250
Louisiana	122	588	65	3,615
Washington	49	571	36	2,191
Oregon	84	312	30	1,170
California	248	1,508	88	6,260
<b>Grand Total</b>	<b>8,227</b>	<b>10,802</b>	<b>1,079</b>	<b>84,349</b>

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

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