

# U.S. Marine Recreational Fisheries

---

**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 2002 in all coastal states except Texas and Alaska. In addition, sampling was conducted in the U.S. territory of Puerto Rico. Sampling coverage varies across the time series (see MRFSS coverage page). 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. The numbers reported for Washington and Oregon for 2002 do not include ocean boat trips as this information is collected cooperatively through state sampling programs.

**DATA TABLES.** The estimated harvests (numbers and weight of fish) for the continental U.S. (excluding Texas) 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.

**2002 MRFSS DATA.** In 2002, over 10.5 million people made 73 million marine recreational fishing trips to the Atlantic, Gulf and Pacific coasts. The estimated total marine recreational catch was 421 million fish, of which over 55 percent were released alive. The estimated total weight of harvested catch was 228 million pounds. The Atlantic coast accounted for half of total marine angling participation (49.5 percent), and the majority of trips (59 percent) and catch (51 percent). The Gulf coast (excluding Texas, see MRFSS coverage page) accounted for 25 percent of participation, 27 percent of trips, and 39 percent of the catch. The Pacific coast accounted for about 23 percent of participants, 13 percent of trips, and 10 percent of the catch. Nationally, most (58 percent in numbers of fish) of the recreational catch came from inland waters, 30 percent from state territorial seas, and 12.5 percent from the EEZ. The majority of Atlantic, Gulf and Pacific trips fished primarily in inland waters.

**ATLANTIC.** In 2002, over 5.2 million marine recreational fishing participants took over 43 million trips and caught a total of more than 215 million fish. Twenty-four percent of the trips were made in east Florida, followed by 13 percent in New Jersey, 13 percent in North Carolina, 10 percent in New York, 10 percent in Massachusetts, 8 percent in Virginia, and 7 percent in Maryland. Together, Connecticut, Rhode Island, and South Carolina accounted for 10 percent of the trips, and Delaware, Maine, Georgia, and New Hampshire accounted for the remaining percentage. The most commonly caught non-bait species (in numbers of fish) were Atlantic croaker,

# U.S. Marine Recreational Fisheries

---

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

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 and 2002. Over 88 percent of the striped bass caught in 2002 were released alive. Annual summer flounder catch decreased from 28 million fish in 2001 to 17 million fish in 2002. Bluefish catch decreased from 16-18 million in 1990-1991 to levels varying between 9 and 13 million from 1992 through 1999, reached 16 million in 2000, and fell to 15 million in 2002. 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 2002.

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. Twenty-nine 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 2002, 2.6 million marine recreational fishing participants took over 19 million trips and caught a total of 162.5 million fish (excluding Texas). About 73 percent of the trips were made in west Florida, followed by 16 percent in Louisiana, 6 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, sand seatrout, Spanish mackerel, gray snapper, Atlantic croaker, and blue runner. The largest harvests by weight were for red drum, spotted seatrout, red snapper, sheepshead, gag, Spanish mackerel, and king mackerel.

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 3.1 million in 2002. King mackerel catch has varied between 420,000 (1999) and 750,000 (1991, 1996) over the last ten years, with catch at 490,000 in 2002. Spotted seatrout catch has varied

between 19 million and 28 million over the last ten years, with a catch of over 22 million in 2002. Red drum catch has fallen from 8.7 million in 2000, to 8.3 million in 2001 and 7.3 million in 2002.

The species most commonly caught on Gulf of Mexico trips that fished primarily in federally managed waters were white grunt, red snapper and black sea bass. Twenty-five 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 2002, about 2.5 million marine recreational fishing participants took over 9.3 million trips and caught a total of 42 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 surf smelt, barred sand bass, kelp bass, black rockfish, California halibut, white croaker, Pacific barracuda, and lingcod. By weight, the largest harvests were barred sand bass, black rockfish, lingcod, Pacific barracuda, California halibut, and blue rockfish.

Total annual catch of lingcod, which has varied between 240,000 (1995) and 584,000 (2000) fish from 1993 through 2000, doubled in the last year to 1.2 million in 2002. Most of this increase was due to fish released alive (980,000 in 2002). 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 2002.

The most commonly caught Pacific coast species in federally managed waters were sanddabs, barred sand bass, Pacific barracuda, kelp bass and California scorpionfish. Fifty-one percent of the total Pacific catch came from trips that fished primarily in the state territorial seas, and 33 percent came from trips that fished primarily in inland waters.

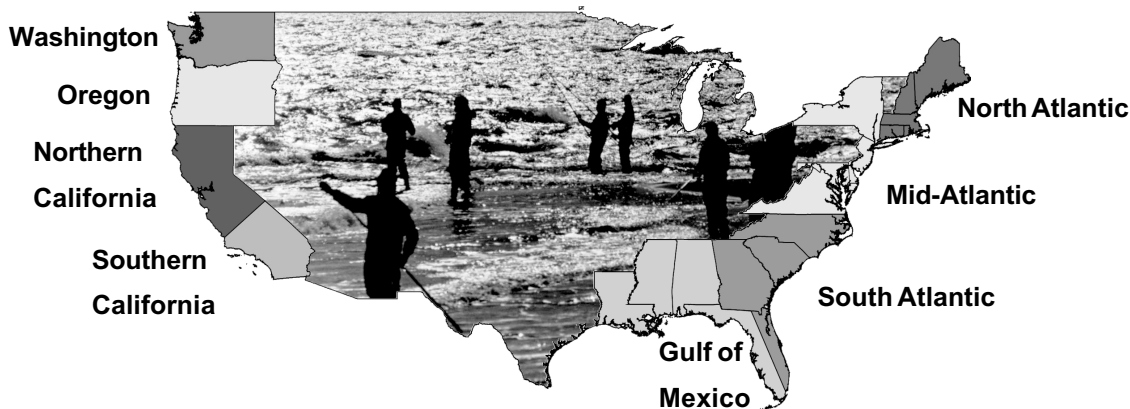
**PUERTO RICO.** In 2002, about 238,000 marine recreational participants took 1.3 million trips and caught a total of about 1.4 million fish. The most commonly caught non-bait species (in numbers of fish) were dolphin (98,000 fish), blue runner (30,000 fish), and lane snapper (29,000 fish). Estimated 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

1979-2002

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 2002, 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.
- Numbers for 2002 do not include Washington and Oregon ocean boat trips.

Historically, only about five 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

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

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

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

Nov/Dec (OR) - 1994

All Waves (CA-WA) - 1990 to 1993

All Waves (WA) - 1993 to 1994

# U.S. Marine Recreational Fisheries

## U.S. RECREATIONAL HARVEST (A+B1), BY SPECIES, 2001 AND 2002

Species	2001			2002			Average (1998-02) Thousand pounds
	Thousand pounds	Metric tons	Total Numbers (thousands)	Thousand pounds	Metric tons	Total Numbers (thousands)	
<b>Anchovies**</b>							
Northern Anchovy	44	20	579	7	3	176	21
Other Anchovies	(1)	(1)	8	0	0	5	0
Barracudas	1,327	602	163	764	347	122	1,075
Bluefish	13,930	6,318	7,016	11,752	5,331	5,495	11,603
California Scorpionfish	304	138	293	310	141	251	273
<b>Cartilaginous Fishes</b>							
Dogfish Sharks**	202	92	69	133	61	121	264
Skates/Rays**	113	51	85	110	50	87	139
Other Sharks**	2,211	1,003	379	1,453	659	233	2,473
<b>Catfishes**</b>							
Freshwater Catfishes	162	74	118	177	80	160	368
Saltwater Catfishes	987	448	629	748	339	533	873
<b>Cods And Hakes</b>							
Atlantic Cod	7,054	3,200	1,118	4,477	2,031	644	4,446
Pacific Cod	2	1	1	0	0	1	1
Pacific Hake	0	0	0	1	0	1	1
Pacific Tomcod	0	0	2	1	0	4	0
Pollock	1,424	646	356	841	382	239	724
Red Hake	19	8	58	17	8	25	51
Other Cods/Hakes	512	232	168	411	187	121	335
<b>Croakers</b>							
California Corbina	5	2	14	15	7	20	15
Queenfish	6	3	76	60	27	579	26
White Croaker	108	49	389	174	79	388	151
Other Croakers	598	271	172	512	232	152	492
Dolphins**	16,121	7,312	2,088	13,547	6,145	1,727	14,317
<b>Drums</b>							
Atlantic Croaker	11,762	5,335	14,681	9,445	4,284	12,389	9,513
Black Drum	3,648	1,654	990	3,363	1,525	941	3,376
Kingfishes	3,797	1,722	7,456	2,059	934	4,121	2,540
Red Drum	14,802	6,714	3,475	12,755	5,786	2,827	12,749
Sand Seatrout	1,906	864	3,308	1,729	784	3,074	2,194
Silver Perch	61	27	404	32	15	216	80
Spot	3,605	1,635	7,308	2,315	1,050	5,336	2,551
Spotted Seatrout	13,685	6,208	10,200	10,756	4,879	8,143	12,842
Weakfish**	2,723	1,235	1,527	2,193	995	1,172	3,252
Other Drum	38	17	278	249	113	683	145
Eels**	4	2	54	4	2	10	9
<b>Flounders</b>							
California Halibut**	1,510	685	202	1,718	779	251	1,407
Gulf Flounder	306	139	212	242	110	173	257
Rock Sole	7	3	12	26	12	41	13
Sanddabs	146	66	451	829	376	3,316	288
Southern Flounder	1,713	777	1,128	1,326	601	903	1,477
Starry Flounder	23	11	14	26	12	14	18
Summer Flounder	11,660	5,289	5,307	8,029	3,642	3,281	11,422
Winter Flounder	1,304	592	964	584	265	469	1,079
Other Flounders**	321	146	168	144	65	287	501

See footnotes at end of table.

# U.S. Marine Recreational Fisheries

## U.S. RECREATIONAL HARVEST (A+B1), BY SPECIES, 2001 AND 2002

Species	2001			2002			Average (1998-02) Thousand pounds
	Thousand pounds	Metric tons	Total Numbers (thousands)	Thousand pounds	Metric tons	Total Numbers (thousands)	
<b>Greenlings</b>							
Kelp Greenling	178	81	153	183	83	156	152
Lingcod	983	446	113	1,725	782	215	1,339
Other Greenlings	28	13	28	21	10	22	16
<b>Grunts</b>							
Pigfish	581	264	1,552	422	191	1,323	413
White Grunt	2,550	1,157	2,772	2,226	1,010	2,560	1,838
Other Grunts	193	87	463	102	46	541	213
Herrings**	1,179	535	34,272	1,378	625	49,552	947
<b>Jacks</b>							
Blue Runner	2,309	1,047	3,160	1,575	714	2,339	1,519
Crevalle Jack	2,116	960	812	893	405	684	1,396
Florida Pompano	808	366	614	635	288	528	701
Greater Amberjack	1,895	859	135	2,726	1,237	157	2,091
Yellowtail	1,190	540	87	711	322	54	2,142
Other Jacks	436	198	2,987	744	337	3,224	602
Mullet**	3,714	1,685	7,440	2,494	1,131	9,765	2,798
Pacific Barracuda	992	450	311	2,049	929	440	1,720
<b>Porgies</b>							
Pinfishes	2,293	1,040	9,469	2,142	972	8,868	2,131
Red Porgy	80	36	75	80	36	72	80
Scup**	4,262	1,933	5,099	3,624	1,644	3,647	3,218
Sheepshead	6,376	2,892	2,267	4,983	2,260	1,972	5,194
Other Porgies**	165	75	228	94	43	201	124
Puffers	181	82	346	196	89	354	122
<b>Rockfishes</b>							
Black Rockfish	2,364	1,072	1,119	574	261	361	1,966
Blue Rockfish	594	270	464	813	369	645	712
Bocaccio	307	139	199	296	134	120	313
Brown Rockfish	211	96	185	221	100	151	160
Canary Rockfish	171	78	78	43	20	23	193
Chilipepper Rockfish	136	62	77	85	39	45	71
Copper Rockfish	119	54	78	98	44	72	171
Gopher Rockfish	268	121	272	336	152	352	192
Greenspotted Rockfish	25	11	83	17	8	35	53
Olive Rockfish	132	60	159	178	81	151	122
Quillback Rockfish	57	26	26	27	12	15	66
Widow Rockfish	45	20	19	21	10	20	78
Yellowtail Rockfish	250	113	162	159	72	146	421
Other Rockfishes**	841	381	994	1,110	504	1,128	1,065
Sablefishes	1	0	1	0	0	9	3
<b>Sculpins</b>							
Cabezon	227	103	69	111	51	41	210
Sculpins	6	3	49	13	6	59	12
<b>Sea Basses</b>							
Barred Sand Bass	1,528	693	1,119	2,534	1,149	1,776	1,444
Black Sea Bass	4,483	2,033	3,932	5,248	2,380	4,223	3,683
<i>Epinephelus</i> Groupers**	1,606	729	248	1,984	900	292	1,666
Kelp Bass	509	231	633	784	356	569	630
<i>Mycteroperca</i> Groupers**	4,798	2,176	540	4,435	2,012	577	4,759
Spotted Sand Bass	49	22	49	67	30	52	55
Other Sea Basses	90	41	361	120	54	358	84

See footnotes at end of table.

# U.S. Marine Recreational Fisheries

## U.S. RECREATIONAL HARVEST (A+B1), BY SPECIES, 2001 AND 2002

Species	2001			2002			Average (1998-02) Thousand pounds
	Thousand pounds	Metric tons	Total Numbers (thousands)	Thousand pounds	Metric tons	Total Numbers (thousands)	
<b>Sea Chubs**</b>							
Halfmoon	118	54	132	145	66	165	80
Opaleye	90	41	59	70	32	48	67
Other Sea Chubs	(1)	(1)	(1)	2	1	1	1
Searobins	138	62	143	156	71	200	115
<b>Silversides</b>							
Jacksmelt	205	93	614	149	68	333	145
Other Silversides	5	2	46	18	8	113	7
<b>Smelts**</b>							
Surf Smelt	319	145	3,661	312	141	4,174	231
Other Smelts	(1)	(1)	(1)	(1)	(1)	(1)	0
<b>Snappers</b>							
Gray Snapper	1,899	861	1,199	1,906	865	1,156	1,680
Lane Snapper	381	173	392	193	88	204	238
Red Snapper	4,091	1,856	900	4,761	2,159	1,159	4,274
Vermilion Snapper	638	289	613	472	214	443	478
Yellowtail Snapper	251	114	189	311	141	272	328
Other Snappers**	296	134	79	434	197	131	329
Sturgeons	375	170	17	304	138	15	448
<b>Surfperches</b>							
Barred Surfperch	77	35	147	117	53	166	189
Black Perch	30	14	54	40	18	50	39
Pile Perch	32	15	32	38	17	43	31
Redtail Surfperch	112	51	123	44	20	53	85
Shiner Perch	8	4	183	10	4	226	8
Silver Surfperch	5	2	16	5	2	21	11
Striped Seaperch	86	39	96	85	39	101	86
Walleye Surfperch	25	11	163	17	8	93	18
White Seaperch	13	6	32	8	4	26	9
Other Surfperches	39	18	108	66	30	122	49
<b>Temperate Basses</b>							
Striped Bass	19,921	9,036	2,084	18,970	8,604	1,901	17,026
White Perch	288	131	664	659	299	1,382	536
Other Temperate Basses	(1)	(1)	1	0	0	1	2
Toadfishes	(1)	(1)	7	1	1	19	1
Triggerfishes/Filefishes	578	262	308	908	412	443	716
<b>Tunas And Mackerels</b>							
Atlantic Mackerel	3,386	1,536	4,127	2,852	1,294	3,663	2,779
King Mackerel**	7,507	3,405	691	6,770	3,071	690	7,777
Little Tunny / Atl.Bonito**	2,147	974	260	1,966	892	268	2,391
Pacific Bonito**	33	15	31	10	4	6	111
Spanish Mackerel	5,420	2,459	3,747	5,217	2,366	3,334	4,381
Other Tunas/Mackerels**	22,767	10,327	2,492	13,752	6,238	1,758	18,054
<b>Wrasses</b>							
California Sheephead	128	58	75	188	85	74	177
Cunner	2	1	56	17	8	64	28
Tautog	2,750	1,247	792	5,431	2,464	1,501	3,118
Other Wrasses	152	69	84	170	77	85	142
Other Fishes**	18,644	8,457	7,074	12,900	5,852	5,481	12,777
<b>Total Fish</b>	<b>262,432</b>	<b>119,037</b>	<b>186,710</b>	<b>221,085</b>	<b>100,287</b>	<b>186,610</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 MODE OF FISHING AND SPECIES GROUP, 2002

Species	Mode of fishing						Grand Total				
	Charter boat		Private/Rental boat		Shore		Thousand pounds	Metric tons (thousands)			
	Thousand pounds	Metric tons	Total Numbers (thousands)	Thousand pounds	Metric tons	Total Numbers (thousands)					
<b>Anchovies</b>											
Northern Anchovy	-	-	-	2	1	31	5	2	7	3	177
Other Anchovies	-	-	-	(1)	(1)	(1)	(1)	(1)	0	0	5
Barracudas	322	146	30	295	134	35	148	67	765	347	122
Bluefish	1,891	858	574	6,848	3,106	2,436	3,013	1,367	11,752	5,331	5,495
California Scorpionfish	206	93	173	104	47	77	(1)	(1)	310	140	250
<b>Cartilaginous Fishes</b>											
Dogfish Sharks**	29	13	8	86	39	99	18	8	133	60	121
Skates/Rays**	6	3	2	38	17	43	66	30	110	50	87
Other Sharks**	293	133	21	1,056	479	178	105	48	1,454	660	233
<b>Catfishes**</b>											
Freshwater Catfishes	-	-	-	-	-	-	-	-	-	-	-
Saltwater Catfishes	6	3	3	465	211	296	276	125	747	339	533
<b>Cods And Hakes</b>											
Atlantic Cod	1,102	500	151	3,376	1,531	494	(1)	(1)	4,478	2,031	645
Pacific Cod	-	-	-	(1)	(1)	1	-	-	0	0	1
Pacific Hake	(1)	(1)	(1)	1	(1)	1	-	-	1	0	1
Pacific Tomcod	-	-	-	(1)	(1)	(1)	1	(1)	1	0	4
Pollock	146	66	21	649	294	184	47	21	842	381	239
Red Hake	15	7	20	2	1	5	-	-	17	8	25
Other Cods/Hakes	149	67	45	262	119	75	(1)	(1)	411	186	121
<b>Croakers</b>											
California Corbina	-	-	-	(1)	(1)	(1)	15	7	15	7	20
Queenfish	(1)	(1)	(1)	6	3	23	54	25	60	28	579
White Croaker	15	7	33	113	51	246	46	21	46	21	108
Other Croakers	166	75	13	272	123	51	75	34	75	34	89
Dolphins**	6,395	2,901	763	7,145	3,241	963	8	3	8	3	1
<b>Drums</b>											
Atlantic Croaker	493	224	637	8,287	3,759	10,447	665	302	9,445	4,285	12,389
Black Drum	343	156	34	2,388	1,083	689	632	287	3,363	1,526	941
Kingfishes	5	2	10	1,073	487	1,834	981	445	2,059	934	4,121
Red Drum	1,741	790	188	9,670	4,386	2,341	1,344	610	12,755	5,786	2,827
Sand Seatrout	27	12	44	1,160	526	2,045	542	246	1,729	784	3,074
Silver Perch	(1)	(1)	1	7	3	48	25	11	32	14	216
Spot	9	4	19	1,572	713	3,348	734	333	2,315	1,050	5,336
Spotted Seatrout	748	340	521	9,450	4,286	7,241	558	253	10,756	4,879	8,142
Weakfish**	81	37	55	2,010	912	1,032	102	46	2,193	995	1,171
Other Drum	3	1	3	30	14	199	216	98	249	113	683
Eels**	3	1	1	1	(1)	3	(1)	(1)	4	1	10

See footnotes at end of table.

# U.S. Marine Recreational Fisheries

## U.S. RECREATIONAL HARVEST (A+B1), BY MODE OF FISHING AND SPECIES GROUP, 2002

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**	296	134	33	1,371	622	209	51	23	9	1,718	779	251
Gulf Flounder	6	3	5	192	87	138	44	20	30	242	110	173
Rock Sole	1	(1)	1	14	6	18	12	5	22	27	11	41
Sanddabs	625	283	2,800	195	88	488	10	4	29	830	375	3,317
Southern Flounder	15	7	10	1,008	457	682	302	137	212	1,325	601	904
Starry Flounder	1	1	(1)	15	7	5	9	4	8	25	12	13
Summer Flounder	671	305	262	6,989	3,170	2,858	368	167	161	8,028	3,642	3,281
Winter Flounder	30	14	29	417	189	330	137	62	110	584	265	469
Other Flounders**	15	7	54	125	57	203	4	2	30	144	66	287
<b>Greenlings</b>												
Kelp Greenling	2	1	2	124	56	92	57	26	62	183	83	156
Lingcod	737	334	91	941	427	119	47	21	6	1,725	782	216
Other Greenlings	(1)	(1)	(1)	4	2	5	18	8	17	22	10	22
<b>Grunts</b>												
Pigfish	1	(1)	3	265	120	756	155	71	565	421	191	1,324
White Grunt	239	108	231	1,907	865	2,214	80	36	115	2,226	1,009	2,560
Other Grunts	4	2	5	60	27	404	38	17	132	102	46	541
Herrings**	1	(1)	207	746	339	35,213	631	286	14,132	1,378	625	49,552
<b>Jacks</b>												
Blue Runner	57	26	47	353	160	461	1,165	529	1,832	1,575	715	2,340
Crevalle Jack	27	12	4	346	157	237	520	236	443	893	405	684
Florida Pompano	5	2	2	210	95	135	421	191	390	636	288	527
Greater Amberjack	1,610	730	93	1,116	506	64	(1)	(1)	(1)	2,726	1,236	157
Yellowtail	352	160	21	359	163	33	-	-	-	711	323	54
Other Jacks	205	93	146	145	66	592	394	179	2,485	744	338	3,223
Mulletts**	1	1	3	1,547	702	6,052	946	429	3,711	2,494	1,132	9,766
Pacific Barracuda	1,589	721	343	460	209	97	(1)	(1)	(1)	2,049	930	440
<b>Porgies</b>												
Pinfishes	8	4	15	1,365	619	5,601	769	349	3,253	2,142	972	8,869
Red Porgy	58	26	49	23	10	23	(1)	(1)	(1)	81	36	72
Scup**	1,589	721	1,309	1,675	760	1,833	360	163	505	3,624	1,644	3,647
Sheepshead	136	62	49	3,764	1,707	1,477	1,083	491	446	4,983	2,260	1,972
Other Porgies**	16	7	13	71	32	144	8	4	45	95	43	202
Puffers	1	(1)	1	94	42	140	101	46	213	196	88	354

See footnotes at end of table.



# U.S. Marine Recreational Fisheries

## U.S. RECREATIONAL HARVEST (A+B1), BY MODE OF FISHING AND SPECIES GROUP, 2002

Species	Mode of fishing						Shore			Grand Total		
	Charter boat			Private/Rental boat			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	204	93	167	293	133	149	77	35	45	574	261	361
Blue Rockfish	624	283	495	184	83	147	5	2	3	813	368	645
Bocaccio	258	117	104	38	17	17	(1)	(1)	(1)	296	134	121
Brown Rockfish	88	40	72	130	59	75	3	1	3	221	100	150
Canary Rockfish	35	16	17	7	3	6	(1)	(1)	(1)	42	19	23
Chillipepper Rockfish	81	37	42	4	2	3	-	-	-	85	39	45
Copper Rockfish	34	15	36	61	28	33	4	2	3	99	45	72
Gopher Rockfish	213	97	228	122	55	123	1	(1)	1	336	152	352
Greenspotted Rockfish	9	4	25	8	3	9	-	-	-	17	7	34
Olive Rockfish	117	53	104	57	26	44	4	2	2	178	81	150
Quillback Rockfish	(1)	(1)	(1)	26	12	14	1	(1)	(1)	27	12	14
Widow Rockfish	21	10	20	(1)	(1)	(1)	-	-	-	21	10	20
Yellowtail Rockfish	125	57	123	34	15	23	(1)	(1)	(1)	159	72	146
Other Rockfishes**	641	291	782	437	198	323	32	14	23	1,110	503	1,128
Sablefishes	(1)	(1)	4	(1)	(1)	6	-	-	-	0	0	10
<b>Sculpins</b>												
Cabezon	8	4	3	60	27	22	43	19	17	111	50	42
Sculpins	(1)	(1)	(1)	5	2	22	8	4	37	13	6	59
<b>Sea Basses</b>												
Barred Sand Bass	1483	673	1156	1036	470	609	15	7	11	2,534	1,150	1,776
Black Sea Bass	2509	1138	2100	2717	1233	2102	21	10	21	5,247	2,381	4,223
Epinephelus Groupers**	407	185	60	1577	715	232	(1)	(1)	(1)	1,984	900	292
Kelp Bass	323	147	284	461	209	285	(1)	(1)	(1)	784	356	569
Mycteroperca Groupers**	953	432	121	3465	1572	453	17	8	3	4,435	2,012	577
Spotted Sand Bass	1	(1)	1	60	27	46	6	3	5	67	30	52
Other Sea Basses	4	2	10	97	44	264	18	8	84	119	54	358
<b>Sea Chubs**</b>												
Halfmoon	83	38	98	60	27	65	2	1	2	2	1	2
Opaleye	5	2	4	39	18	20	26	12	24	26	12	24
Other Sea Chubs	-	-	-	1	(1)	(1)	2	1	1	2	1	1
Searobins	1	(1)	22	107	49	115	48	22	63	48	22	63
<b>Silversides</b>												
Jacksmelt	1	1	3	63	29	116	85	38	214	149	68	333
Other Silversides	-	-	-	1	1	6	17	8	107	18	9	113
Surf Smelt	-	-	-	(1)	(1)	3	312	141	4171	312	141	4,174

See footnotes at end of table.

# U.S. Marine Recreational Fisheries

## U.S. RECREATIONAL HARVEST (A+B1), BY MODE OF FISHING AND SPECIES GROUP, 2002

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)
<b>Snappers</b>									
Gray Snapper	336	152	107	1,262	573	806	308	140	243
Lane Snapper	33	15	36	154	70	162	7	3	6
Red Snapper	2,190	993	614	2,568	1,165	544	3	1	1
Vermilion Snapper	200	91	191	271	123	252	(1)	(1)	(1)
Yellowtail Snapper	126	57	97	180	82	170	4	2	4
Other Snappers**	105	47	26	297	135	90	32	15	14
Sturgeons	43	20	2	251	114	12	11	5	1
<b>Surfperches</b>									
Barred Surfperch	-	-	-	(1)	(1)	(1)	117	53	166
Black Perch	2	1	3	16	7	17	22	10	30
Pile Perch	-	-	-	11	5	13	27	12	31
Redtail Surfperch	-	-	-	11	5	11	33	15	42
Shiner Perch	-	-	-	(1)	(1)	4	10	4	222
Silver Surfperch	-	-	-	-	-	-	5	2	21
Striped Seaperch	-	-	-	29	13	35	56	26	66
Walleye Surfperch	(1)	(1)	(1)	(1)	(1)	1	16	7	92
White Seaperch	(1)	(1)	1	2	1	5	6	3	20
Other Surfperches	3	2	8	11	5	13	51	23	101
<b>Temperate Bases</b>									
Striped Bass	2,972	1,348	282	14,037	6,367	1,438	1,961	889	181
White Perch	2	1	5	580	263	1,148	77	35	228
Other Temperate Bases	-	-	-	(1)	(1)	1	-	-	-
Toadfishes	(1)	(1)	(1)	(1)	(1)	11	1	1	8
Triggerfishes/Fliefishes	382	173	185	510	231	246	16	7	12
<b>Tunas And Mackerels</b>									
Atlantic Mackerel	51	23	57	2,584	1,172	3,317	217	98	289
King Mackerel**	1,811	822	192	4,251	1,928	424	707	321	74
Little Tunny/Atlantic Bonito**	750	340	101	853	387	117	363	164	50
Pacific Bonito**	6	3	4	3	1	1	1	(1)	1
Spanish Mackerel	353	160	225	3,101	1,407	1,803	1,763	799	1,306
Other Tunas/Mackerels**	4,783	2,169	443	8,526	3,867	770	443	201	545
<b>Wrasses</b>									
California Sheephead	80	36	39	97	44	34	11	5	1
Cunner	(1)	(1)	(1)	14	7	33	3	1	31
Tautog	1,102	500	294	4,043	1,834	1,107	285	129	101
Other Wrasses	7	3	3	153	69	73	11	5	10
Other Fishes**	3,473	1,575	586	7,999	3,628	2,137	1,428	648	2,759
<b>Grand Total</b>	<b>49,530</b>	<b>22,469</b>	<b>18,780</b>	<b>145,361</b>	<b>65,931</b>	<b>115,324</b>	<b>26,198</b>	<b>11,879</b>	<b>52,510</b>
							<b>221,089</b>	<b>100,279</b>	<b>186,614</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, 2002

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>Anchovies</b>											
Northern Anchovy	3	1	78	4	2	98	-	-	7	3	176
Other Anchovies	(1)	(1)	(1)	(1)	(1)	5	-	-	0	0	5
Barracudas	189	86	28	306	139	68	270	122	765	347	123
Bluefish	5,056	2,293	2,512	5,169	2,345	2,607	1,526	692	11,751	5,330	5,495
California Scorpionfish	9	4	9	209	95	164	91	41	309	140	252
<b>Cartilaginous Fishes</b>											
Dogfish Sharks**	48	22	19	46	21	25	40	18	134	61	121
Skates/Rays**	71	32	43	36	16	43	3	1	110	49	87
Other Sharks**	488	221	87	511	232	96	455	206	1,454	659	234
<b>Catfishes**</b>											
Freshwater Catfishes	177	80	159	(1)	(1)	1	-	-	177	80	160
Saltwater Catfishes	511	232	347	232	105	185	5	2	748	339	534
<b>Cods And Hakes</b>											
Atlantic Cod	149	67	18	1,149	521	131	3,180	1,443	4,478	2,031	644
Pacific Cod	(1)	(1)	1	-	-	-	-	-	0	0	1
Pacific Hake	-	-	-	(1)	(1)	(1)	1	(1)	1	0	1
Pacific Tomcod	(1)	(1)	(1)	1	(1)	4	-	-	1	0	4
Pollock	135	61	107	323	147	69	383	174	841	382	239
Red Hake	(1)	(1)	4	(1)	(1)	6	17	8	17	8	25
Other Cods/Hakes	7	3	3	19	9	6	385	175	411	187	121
<b>Croakers</b>											
California Corbina	1	(1)	1	14	6	19	-	-	15	6	20
Queenfish	8	3	44	50	23	524	2	1	60	27	579
White Croaker	69	31	138	81	37	195	24	11	174	79	388
Other Croakers	57	26	40	438	199	107	17	8	512	233	152
Dolphins**	-	-	-	1,199	544	186	12,348	5,601	13,547	6,145	1,727
<b>Drums</b>											
Atlantic Croaker	8,656	3,926	11,440	576	261	693	213	97	9,445	4,284	12,389
Black Drum	2,605	1,182	767	716	325	165	42	19	3,363	1,526	941
Kingfishes	892	405	1,544	1,102	500	2,466	66	30	2,060	935	4,121
Red Drum	10,681	4,845	2,446	1,904	864	355	169	77	12,754	5,786	2,828
Sand Seatrout	1,494	677	2,736	214	97	305	22	10	1,730	784	3,074
Silver Perch	15	7	104	16	7	110	(1)	(1)	31	14	216
Spot	1,652	749	3,580	660	299	1,748	3	2	2,315	1,050	5,335
Spotted Seatrout	7,910	3,588	6,322	2,404	1,090	1,482	442	201	10,756	4,879	8,143
Weakfish**	1,762	799	886	345	156	237	85	39	2,192	994	1,171
Other Drum	107	48	372	142	64	305	(1)	(1)	249	112	683
Eels**	1	(1)	8	(1)	(1)	1	3	1	4	1	10

See footnotes at end of table.

# U.S. Marine Recreational Fisheries

## U.S. RECREATIONAL HARVEST (A+B1), BY DISTANCE FROM SHORE AND SPECIES GROUP, 2002

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**	482	219	66	1,157	525	126	79	36	59	1,718	780	251
Gulf Flounder	136	62	98	95	43	67	11	5	8	242	110	173
Rock Sole	25	11	40	2	1	1	-	-	-	27	12	41
Sanddabs	80	36	177	244	111	1,087	505	229	2,053	829	376	3,317
Southern Flounder	1,057	480	725	262	119	175	6	3	4	1,325	602	904
Starry Flounder	18	8	11	7	3	2	1	(1)	(1)	26	11	13
Summer Flounder	4,946	2,243	2,094	2,133	968	841	950	431	346	8,029	3,642	3,281
Winter Flounder	467	212	392	106	48	70	11	5	7	584	265	469
Other Flounders**	116	53	65	23	10	47	5	2	175	144	65	287
<b>Greenlings</b>												
Kelp Greenling	146	66	127	36	16	28	(1)	(1)	(1)	182	82	155
Lingcod	367	166	38	1,089	494	149	269	122	29	1,725	782	216
Other Greenlings	10	4	11	11	5	10	(1)	(1)	(1)	21	9	21
<b>Grunts</b>												
Pigfish	340	154	1,030	72	33	258	10	5	35	422	192	1,323
White Grunt	201	91	283	611	277	776	1,414	641	1,500	2,226	1,009	2,559
Other Grunts	44	20	136	39	17	156	20	9	249	103	46	541
Herrings**	1,207	548	33,773	155	70	12,375	16	7	3,404	1,378	625	49,552
<b>Jacks</b>												
Blue Runner	87	40	152	1,305	592	2,001	182	83	187	1,574	715	2,340
Crevalle Jack	419	190	371	424	192	295	50	23	19	893	405	685
Florida Pompano	326	148	221	305	138	305	4	2	2	635	288	528
Greater Amberjack	14	6	1	208	94	11	2,505	1,136	145	2,727	1,236	157
Yellowtail	-	-	-	269	122	17	442	200	37	711	322	54
Other Jacks	36	16	79	492	223	2,782	216	98	363	744	337	3,224
Mulletts**	2,094	950	7,166	374	169	2,402	27	12	196	2,495	1,131	9,764
Pacific Barracuda	18	8	5	1,252	568	270	779	353	166	2,049	929	441
<b>Porgies</b>												
Pinfishes	1,420	644	6,010	556	252	2,228	167	76	630	2,143	972	8,868
Red Porgy	(1)	(1)	(1)	21	10	24	59	27	49	80	37	73
Scup**	2,372	1,076	2,583	957	434	756	294	133	307	3,623	1,643	3,646
Sheepshead	3,568	1,619	1,468	1,118	507	412	296	134	92	4,982	2,260	1,972
Other Porgies**	8	4	47	49	22	100	37	17	54	94	43	201
Puffers	45	20	139	150	68	212	1	1	2	196	89	353

See footnotes at end of table.

# U.S. Marine Recreational Fisheries

## U.S. RECREATIONAL HARVEST (A+B1), BY DISTANCE FROM SHORE AND SPECIES GROUP, 2002

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	123	56	64	407	185	278	44	20	20	574	261	362
Blue Rockfish	5	2	4	780	354	621	29	13	20	814	369	645
Bocaccio	-	-	-	99	45	47	197	89	73	296	134	120
Brown Rockfish	6	3	5	199	90	132	16	7	13	221	100	150
Canary Rockfish	(1)	(1)	(1)	23	10	13	20	9	9	43	19	22
Chilipepper Rockfish	-	-	-	21	10	10	64	29	34	85	39	44
Copper Rockfish	45	20	24	49	22	43	4	2	4	98	44	71
Gopher Rockfish	(1)	(1)	(1)	332	151	347	4	2	4	336	153	351
Greenspotted Rockfish	-	-	-	5	2	7	12	5	28	17	7	35
Olive Rockfish	(1)	(1)	(1)	133	60	124	44	20	27	177	80	151
Quilback Rockfish	24	11	13	1	(1)	1	2	1	1	27	12	15
Widow Rockfish	-	-	-	15	7	17	6	3	3	21	10	20
Yellowtail Rockfish	2	1	1	109	49	110	49	22	34	160	72	145
Other Rockfishes**	13	6	9	971	440	908	127	57	210	1,111	503	1,127
Sablefishes	-	-	-	(1)	(1)	1	(1)	(1)	9	0	0	10
<b>Sculpins</b>												
Cabezon	42	19	10	66	30	29	4	2	2	112	51	41
Sculpins	12	5	34	1	1	16	(1)	(1)	9	13	6	59
<b>Sea Bases</b>												
Barred Sand Bass	185	84	128	1,380	626	961	969	440	687	2,534	1,150	1,776
Black Sea Bass	377	171	276	1,328	602	804	3,543	1,607	3,143	5,248	2,380	4,223
Epinephelus Groupers**	15	7	2	185	84	36	1,784	809	253	1,984	900	291
Kelp Bass	16	7	14	708	321	509	60	27	47	784	355	570
Mycteroperca Groupers**	193	88	25	812	368	112	3,430	1,556	440	4,435	2,012	577
Spotted Sand Bass	63	29	49	4	2	3	(1)	(1)	(1)	67	31	52
Other Sea Bases	38	17	131	44	20	113	38	17	114	120	54	358
<b>Sea Chubs**</b>												
Halfmoon	3	2	5	138	63	155	4	2	5	145	67	165
Opaleye	16	7	13	51	23	33	3	1	2	70	31	48
Other Sea Chubs	1	(1)	(1)	2	1	1	-	-	-	3	1	1
Searobins	115	52	144	35	16	41	6	3	15	156	71	200
<b>Silversides</b>												
Jacksmelt	34	15	94	115	52	238	(1)	(1)	1	149	67	333
Other Silversides	9	4	58	9	4	55	-	-	-	18	8	113
Surf Smelt	260	118	3,468	52	23	706	-	-	-	312	141	4,174

See footnotes at end of table.

# U.S. Marine Recreational Fisheries

## U.S. RECREATIONAL HARVEST (A+B1), BY DISTANCE FROM SHORE AND SPECIES GROUP, 2002

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>Snappers</b>									
Gray Snapper	577	262	601	346	157	256	983	446	298
Lane Snapper	10	5	13	47	21	48	136	62	143
Red Snapper	11	5	3	433	196	135	4,316	1,958	1,022
Vermilion Snapper	1	(1)	1	32	15	37	438	199	405
Yellowtail Snapper	3	1	3	97	44	84	210	95	184
Other Snappers**	30	14	13	210	95	63	193	88	56
Sturgeons	304	138	15	-	-	-	-	-	-
<b>Surperches</b>									
Barred Surperch	3	1	4	114	52	162	-	-	-
Black Perch	14	7	20	25	11	29	1	(1)	1
Pile Perch	24	11	29	14	6	14	-	-	-
Redtail Surperch	23	10	22	21	10	31	-	-	-
Shiner Perch	6	3	173	3	2	53	-	-	-
Silver Surperch	(1)	(1)	(1)	5	2	20	-	-	-
Striped Seaperch	54	25	70	31	14	31	-	-	-
Walleye Surperch	3	1	13	14	6	80	-	-	-
White Seaperch	7	3	21	1	1	5	-	-	-
Other Surperches	15	7	19	50	23	102	(1)	(1)	1
<b>Temperate Basses</b>									
Striped Bass	10,888	4,939	1,270	6,143	2,786	502	1,939	879	129
White Perch	632	287	1,342	27	12	40	(1)	(1)	(1)
Other Temperate Basses	(1)	(1)	1	-	-	-	-	-	-
Toadfishes	1	(1)	12	(1)	(1)	4	(1)	(1)	4
Triggerfishes/Filefishes	28	13	20	160	73	96	720	327	327
<b>Tunas And Mackerels</b>									
Atlantic Mackerel	735	333	930	1,316	597	1,784	801	363	949
King Mackerel**	117	53	11	2,530	1,148	269	4,122	1,870	410
Little Tunny/Atlantic Bonito**	27	12	4	906	411	125	1,033	469	140
Pacific Bonito**	2	1	1	6	3	4	2	1	1
Spanish Mackerel	1,341	608	992	3,333	1,512	2,058	542	246	285
Other Tunas/Mackerels**	202	92	247	982	445	849	12,568	5,701	662
<b>Wrasses</b>									
California Sheephead	(1)	(1)	(1)	172	78	68	16	7	6
Cunner	4	2	34	12	6	14	1	(1)	16
Tautog	3,626	1,645	996	1,193	541	353	612	278	152
Other Wrasses	5	2	7	84	38	49	81	37	29
Other Fishes**	5,509	2,499	2,880	4,556	2,066	2,062	2,836	1,286	539
<b>Grand Total</b>	<b>88,601</b>	<b>40,185</b>	<b>105,489</b>	<b>62,325</b>	<b>28,267</b>	<b>56,287</b>	<b>70,157</b>	<b>31,824</b>	<b>24,834</b>
							<b>221,083</b>	<b>100,276</b>	<b>186,610</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, 1993-2002

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)
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
2002	764	122	350	11,752	5,495	10,273
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)
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
2002	1,696	441	9,857	925	693	9,943
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)
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
2002	5,748	1,035	1,621	13,547	1,727	142

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, 1993-2002

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)
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
2002	44,896	38,902	50,758	12,924	8,735	17,197

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)
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
2002	2,750	4,424	6,801	1,378	49,552	7,714

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)
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
2002	7,284	6,986	7,068	2,494	9,765	1,846

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, 1993-2002

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)
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
2002	10,923	14,760	16,960	196	354	1,417
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)
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
2002	124	100	539	15,172	7,847	26,492
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)
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
2002	156	200	7,763	8,077	3,365	7,981

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, 1993-2002

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)
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
2002	19,629	3,284	16,050	1	19	1,590
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)
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
2002	908	443	311	30,567	9,719	6,618
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)
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
2002	5,806	1,724	3,598	310	251	401

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, 1993-2002

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
2002	761	1,139	792	1,929	393	1,035
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
2002	2,049	440	836	3,978	3,264	1,003
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
2002	217	214	83	167	446	165
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
2002	312	4,174	11	430	901	637

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

# U.S. Marine Recreational Fisheries

## U.S. RECREATIONAL FINFISH HARVEST (A+B1) AND RELEASED (B2), BY STATE, 2001 and 2002

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>

State	2002		
	<u>Pounds Harvested</u> (thousands)	<u>Number Harvested</u> (thousands)	<u>Number Released</u> (thousands)
Maine	1,801	1,404	1,769
New Hampshire	1,104	407	638
Massachusetts	14,197	5,118	10,583
Rhode Island	4,063	2,072	3,823
Connecticut	4,024	2,129	4,048
New York	12,467	4,282	14,392
New Jersey	15,541	7,770	17,765
Delaware	3,486	1,598	4,152
Maryland	7,102	4,316	11,409
Virginia	14,861	12,833	17,503
North Carolina	17,879	10,976	14,392
South Carolina	1,794	2,078	2,880
Georgia	1,101	1,086	2,413
Florida	59,198	91,537	86,454
Alabama	6,900	3,273	4,091
Mississippi	3,161	2,536	3,591
Louisiana	21,992	10,456	14,105
Washington	4,596	4,832	2,504
Oregon	1,556	2,066	352
California	24,274	15,835	14,628
<b>Grand Total</b>	<b>221,097</b>	<b>186,604</b>	<b>231,492</b>

# U.S. Marine Recreational Fisheries

**U.S. RECREATIONAL NUMBERS OF ANGLERS AND TRIPS BY STATES, 2001 AND 2002**

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>
State	2002			
	Out-of-State Anglers	In-State Anglers		Number of Angler Trips
		From Coastal Counties	From Non-Coastal Counties	
----- Numbers in thousands -----				
Maine	172	127	17	906
New Hampshire	65	60	11	318
Massachusetts	344	465	96	4,205
Rhode Island	214	134	-	1,512
Connecticut	87	283	-	1,650
New York	41	387	8	4,118
New Jersey	239	400	17	5,409
Delaware	177	89	-	1,028
Maryland	330	430	41	2,837
Virginia	407	337	73	3,254
North Carolina	1,130	409	226	5,586
South Carolina	161	177	55	1,254
Georgia	37	58	54	619
Florida	2,449	2,990	-	24,722
Alabama	154	121	80	1,190
Mississippi	41	174	49	1,038
Louisiana	98	479	66	3,019
Washington	41	414	19	1,786
Oregon	99	273	26	993
California	299	1,632	103	6,602
<b>Grand Total</b>	<b>6,585</b>	<b>9,439</b>	<b>941</b>	<b>72,046</b>

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

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