

Fisheries **of the** ***United States*** **2002**

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Office of Science and Technology
Fisheries Statistics and Economics Division

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Preface

FISHERIES OF THE UNITED STATES, 2002

This publication is a preliminary report for 2002 on commercial and recreational fisheries of the United States with landings from the U.S. territorial seas, the U.S. Exclusive Economic Zone (EEZ), and on the high seas. This annual report provides timely answers to frequently asked questions.

SOURCES OF DATA

Information in this report came from many sources. Field offices of the National Marine Fisheries Service (NMFS), with the generous cooperation of the coastal states, collected and compiled data on U.S. commercial landings and processed fishery products.

The NMFS Fisheries Statistics and Economics Division in Silver Spring, MD, managed the collection and compilation of recreational statistics, in cooperation with various States and Interstate Fisheries Commissions, and tabulated and prepared all data for publication. Sources of other data appearing in this publication are: U.S. Bureau of the Census, U.S. Bureau of Labor Statistics, U.S. Coast Guard, U.S. Customs Service, U.S. Department of the Interior, U.S. Department of Agriculture, and the Food and Agriculture Organization (FAO) of the United Nations.

PRELIMINARY AND FINAL DATA

Data on U.S. commercial landings, employment, prices, production of processed products, and recreational catches are preliminary for 2002. Final data will be published in other NMFS Current Fishery Statistics publications.

The Fisheries Statistics and Economics Division of NMFS takes this opportunity to thank states, industry, and foreign nations who provided the data that made this publication possible. Program leaders of the field offices were: Gregory Power, Scott McNamara, and Gene Steady for New England, Middle Atlantic, and Chesapeake; Scott Nelson, U.S. Geological Survey, Great Lakes States; Linda Hardy Burnstein, Guy Davenport, and Maggie Bourgeois for the South Atlantic and Gulf States; Patricia J. Donley, California; David Hamm, Hawaii and Pacific Islands; John K. Bishop, Oregon and Washington; and Peggy Murphy of the Alaska Fisheries Information Network for Alaska.

NOTES

The time series of U.S. catch by species and distance from shore included in this year's "Fisheries of the U.S." is estimated by the National Marine Fisheries Service.

As in past issues of this publication, the units of quantity and value are defined as follows unless otherwise noted: U.S. landings are shown in round weight (except mollusks which are in meat weight); quantities shown for U.S. imports and exports are in product weight, as reported by the U.S. Bureau of the Census; the value of the U.S. domestic commercial landings is exvessel; in the Review Section on important species, deflated exvessel prices are shown. The deflated value was computed using the Gross Domestic Products Implicit Price Deflator using a base year 1996; the value for U.S. imports is generally the market value in the foreign (exporting) country and, therefore, excludes U.S. import duties, freight charges and insurance from the foreign country to the United States; the value for exports is generally the value at the U.S. port of export, based on the selling price, including inland freight, insurance, and other charges. Countries and territories shown in the U.S. foreign trade section are established for statistical purposes in the Tariff Schedules of the United States Annotated (International Trade Commission) and reported by the U.S. Bureau of the Census.

SUGGESTIONS

The Fisheries Statistics and Economics Division wishes to provide the kinds of data sought by users of fishery statistics, and welcomes comments or suggestions that will improve this publication.

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U.S. LANDINGS

Commercial landings (edible and industrial) by U.S. fishermen at ports in the 50 states were 9.4 billion pounds or 4.3 million metric tons valued at \$3.1 billion in 2002—a decrease of 94.7 million pounds (down 1 percent) and \$136.0 million (down 4 percent) compared with 2001. Finfish accounted for 86 percent of the total landings, but only 44 percent of the value. The 2002 average exvessel price paid to fishermen was 33 cents compared to 34 cents in 2001.

Catches of Alaska pollock, Pacific whiting and other Pacific groundfish that are processed at-sea aboard U.S. vessels in the northeastern Pacific are credited as “landings” to the state nearest to the area of capture. Information on landing port or percentage of catch transferred to transport ships for delivery to foreign ports is unavailable. These at-sea processed fishery products, on a round (live) weight basis, exceeded 1.3 million metric tons in 2002 and comprised more than 29 percent of the total domestic landings in the 50 states.

Commercial landings by U.S. fishermen at ports outside the 50 states along with Internal Water Processing (IWP) agreements (see glossary) provided an additional 317.9 million pounds (144,200 metric tons) valued at \$118.3 million. This was an increase of 4 percent, or 12.4 million pounds (5,600 metric tons) in quantity and \$2.8 million (2 percent) in value compared with 2001. Most of these landings consisted of halibut, sea herring and tuna landed in Canada, American Samoa and other foreign ports.

Edible fish and shellfish landings in the 50 states were 7.2 billion pounds (3.3 million metric tons) in 2002—a decrease of 109.0 million pounds (49,400 metric tons) compared with 2001.

Landings for reduction and other industrial purposes were 2.2 billion pounds (994,600 metric tons) in 2002—a decrease of 1 percent compared with 2001.

The 2002 U.S. marine recreational finfish catch (including fish kept and fish released (discarded)) on the Atlantic, Gulf, and Pacific coasts was an estimated 421.3 million fish taken on an estimated 73.3 million fishing trips. The harvest (fish kept or released dead) was estimated at 189.2 million fish weighing 228.2 million pounds.

WORLD LANDINGS

In 2001, the most recent year for which data are available, world commercial fishery landings and aquaculture production were 130.2 million metric tons—a decrease of 719,600 metric tons (down 1 percent) compared with 2000.

China was the leading nation with 32.7 percent of the total harvest; Peru, second with 6.1 percent; India, third with 4.6 percent; Japan, fourth with 4.2 percent; and United States, fifth with 4.1 percent.

PRICES

The 2002 annual exvessel price index for edible fish increased by 44 percent, shellfish decreased by 12 percent, and industrial fish remained unchanged when compared with 2001. Exvessel price indices increased for 12 of the 33 species groups being tracked, decreased for 18 species groups, were unchanged for one species group, and weren't available for one species. The yellowfin tuna price index had the largest increase (276 percent) while bay scallops price index showed the largest decrease (135 percent).

PROCESSED PRODUCTS

The estimated value of the 2002 domestic production of edible and nonedible fishery products was \$7.3 billion, \$847.6 million less than in 2001. The value of edible products was \$6.9 billion—a decrease of \$700.6 million compared with 2001. The value of industrial products was \$399.6 million in 2002—a decrease of \$147.0 million compared with 2001.

FOREIGN TRADE

The total import value of edible and nonedible fishery products was \$19.7 billion in 2002—an increase of \$1.2 billion compared with 2001. Imports of edible fishery products (product weight) were 4.4 billion pounds (2.0 million metric tons) valued at \$10.1 billion in 2002—an increase of 325.1 million pounds and \$256.8 million compared with 2001. Imports of nonedible (i.e., industrial) products were \$9.6 billion—an increase of \$887.1 million compared with 2001.

Total export value of edible and nonedible fishery products was \$11.7 billion in 2002—a decrease of

Review

\$120.1 million compared with 2001. United States firms exported 2.4 billion pounds (1.1 million metric tons) of edible products valued at \$3.1 billion—a decrease of 166.7 million pounds and \$74.8 million less than in 2001. Exports of nonedible products were valued at \$8.6 billion, \$45.3 million less than 2001.

SUPPLY

The U.S. supply of edible fishery products (domestic landings plus imports, round weight equivalent, minus exports) was 10.4 billion pounds (4.7 million metric tons) in 2002—an increase of 888.0 million pounds (9 percent) compared with 2001. The supply of industrial fishery products was 1.6 billion pounds (738,900 metric tons) in 2002—an increase of 149.0 million pounds (10 percent) compared with 2001.

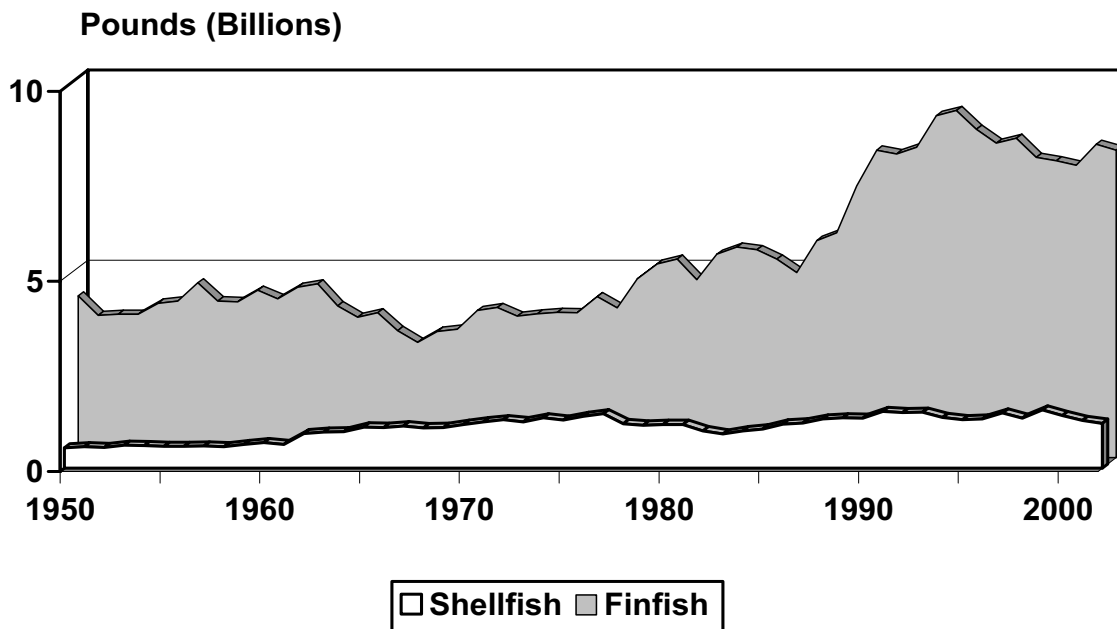
PER CAPITA CONSUMPTION

U.S. consumption of fishery products was 15.6 pounds of edible meat per person in 2002, up 0.8 pound from the 2001 per capita consumption of 14.8 pounds.

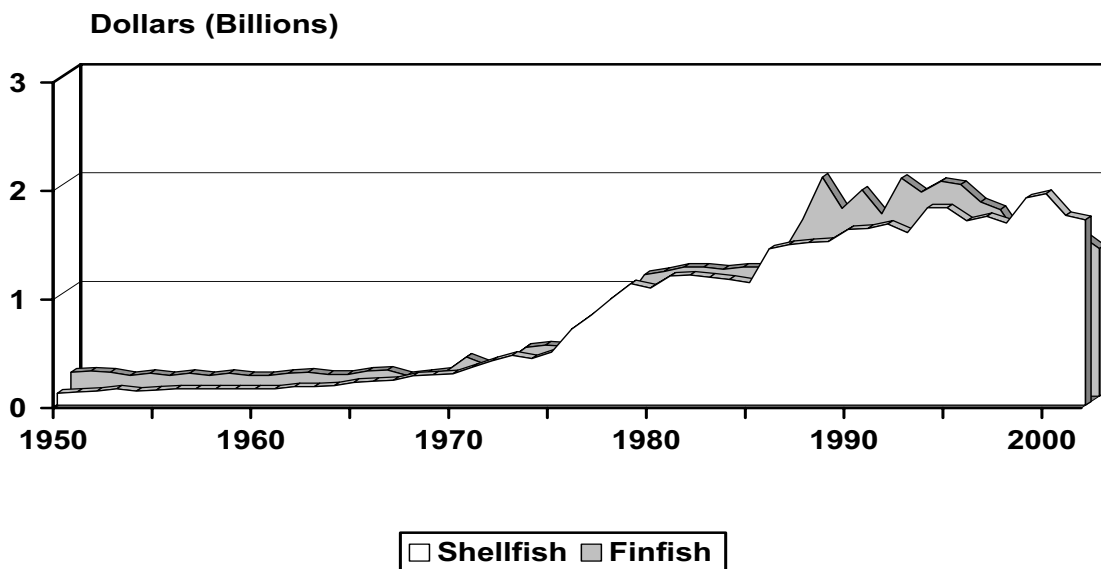
CONSUMER EXPENDITURES

U.S. consumers spent an estimated \$55.1 billion for fishery products in 2002. The 2002 total includes \$38.4 billion in expenditures at food service establishments (restaurants, carry-outs, caterers, etc.); \$16.4 billion in retail sales for home consumption; and \$283.1 million for industrial fish products. By producing and marketing a variety of fishery products for domestic and foreign markets, the commercial marine fishing industry contributed \$28.4 billion (in value added) to the U.S. Gross National Product.

Volume of U. S. Domestic Finfish and Shellfish Landings
1950 - 2002



Value of U.S. Domestic Finfish and Shellfish Landings
1950 - 2002



Alaska led all states in volume with landings of 5.1 billion pounds, followed by Louisiana, 1.3 billion pounds; California, 498.7 million pounds; Virginia, 442.4 million pounds; and Washington, 362.0 million pounds.

Alaska led all states in value of landings with \$811.5 million, followed by Louisiana, \$305.5 million; Massachusetts, \$297.3 million; Maine, \$279.4 million; and Texas, \$167.0 million.

Dutch Harbor-Unalaska, Alaska, was the leading U.S. port in quantity of commercial fishery landings, followed by: Empire-Venice, Louisiana; Reedville, Virginia; Intercoastal City, Louisiana; and Cameron, Louisiana.

New Bedford, Massachusetts was the leading U.S. port in terms of value, followed by: Dutch Harbor-Unalaska, Alaska; Hampton Roads Area, Virginia; Kodiak, Alaska; Empire-Venice, Louisiana; and Dulac-Chauvin, Louisiana.

Tuna landings by U.S.-flag vessels at ports outside the continental United States amounted to 291.6 million pounds. Halibut also were landed at ports outside the United States.

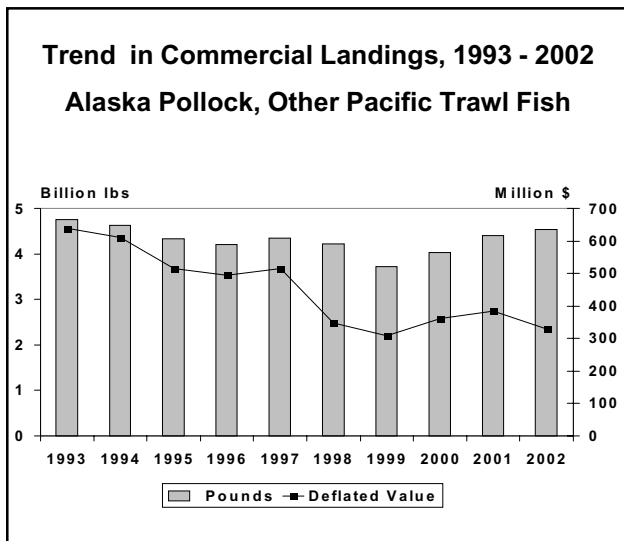
Major U.S. Domestic Species Landed in 2002 Ranked By Quantity and Value (Numbers in thousands)

Rank	Species	Pounds	Rank	Species	Dollars
1	Pollock	3,348,999	1	Shrimp	460,878
2	Menhaden	1,750,609	2	Crabs	397,695
3	Salmon	567,179	3	Lobsters	318,925
4	Cod	541,768	4	Pollock	209,896
5	Flounders	372,697	5	Scallops	203,838
6	Shrimp	316,787	6	Clams	167,215
7	Hakes	312,563	7	Salmon	155,010
8	Crabs	307,601	8	Halibut	135,603
9	Herring (sea)	220,026	9	Cod	126,921
10	Sardines	215,848	10	Flounders	102,370

ALASKA POLLOCK AND OTHER PACIFIC TRAWL FISH

U.S. landings of Pacific trawl fish (Pacific cod, flounders, hake, Pacific ocean perch, Alaska pollock, and rockfishes) were 4.5 billion pounds valued at \$365.0 million—an increase of 3 percent in quantity and a decrease of 13 percent in value compared with 2001.

Landings of Alaska pollock increased 5 percent to 3.3 billion pounds and were 672.9 million pounds more than their 1996 - 2001 5 - year average. Landings of Pacific cod were 512.8 million pounds — an increase of 9 percent from 471.7 million pounds in 2001. Pacific hake (whiting) landings were 285.7 million pounds (down 25 percent) valued at \$13.6 million (down 16 percent) compared to 2001. Landings of rockfishes were 36.0 million pounds (down 18 percent) and valued at \$17.8 million (down 16 percent) compared to 2001. The 2002 rockfish landings were 48 percent lower than the 5-year average.



ANCHOVIES

U.S. landings of anchovies were 10.8 million pounds—a decrease of 31.7 million pounds (75 percent) compared with 2001. Six percent of all landings were used for animal food or reduction and 94 percent were used for bait. The U.S. imports all edible anchovies.

HALIBUT

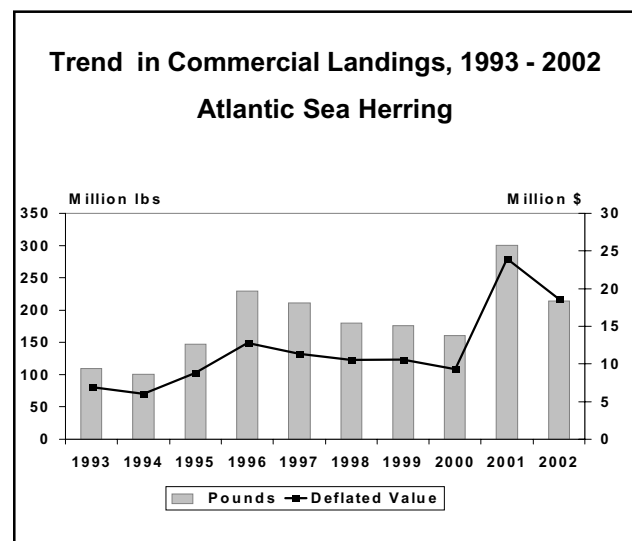
U.S. landings of Atlantic and Pacific halibut were 82.0 million pounds (round weight) valued at \$135.6 million—an increase of 4.1 million pounds (5 percent), and

\$20.4 million (18 percent) compared with 2001. The Pacific fishery accounted for all but 22,000 pounds of the 2002 total halibut catch. The average exvessel price per pound in 2002 was \$1.65 compared with \$1.48 in 2001.

SEA HERRING

U.S. commercial landings of sea herring were 214.3 million pounds valued at \$20.6 million—a decrease of 86.2 million pounds (29 percent), and \$5.6 million (21 percent) compared with 2001. Landings of Atlantic sea herring were 135.9 million pounds valued at \$9.1 million—a decrease of 73.3 million pounds (35 percent), and \$3.6 million (28 percent) compared with 2001.

Landings of Pacific sea herring were 78.4 million pounds valued at \$11.5 million—a decrease of 12.9 million pounds (14 percent), and \$1.7 million (13 percent) compared with 2001. Alaska landings accounted for 89 percent of the Pacific coast with 69.9 million pounds valued at \$9.1 million—a decrease of 14.9 million pounds (18 percent), and 1.2 million dollars (12 percent) compared with 2001.



JACK MACKEREL

California accounted for 98 percent, Oregon for 1 percent, and Washington for 1 percent of the U.S. landings of jack mackerel in 2002. Total landings were 2.3 million pounds valued at \$207,000—a decrease of 6.2 million pounds (73 percent), and \$407,000 (66 percent) compared with 2001. The 2002 average exvessel price per pound was 9 cents.

MACKEREL, ATLANTIC

U.S. landings of Atlantic mackerel were 47.4 million pounds valued at \$5.6 million—an increase of 20.3 million pounds (75 percent) and \$3.4 million dollars (153 percent) compared with 2001. Rhode Island with 21.0 million pounds and New Jersey with 20.5 million pounds accounted for 87 percent of the total landings. The average exvessel price per pound was 12 cents in 2002 when compared to 8 cents in 2001.

MACKEREL, CHUB

Landings of chub mackerel were 7.7 million pounds valued at \$496,000—a decrease of 8.3 million pounds (52 percent) and \$676,000 (58 percent) compared with 2001. California accounted for 96 percent of total landings. The average exvessel price per pound was 6 cents, a decrease of one cent from 2001.

MENHADEN

The U.S. menhaden landings were 1.8 billion pounds valued at \$105.1 million—an increase of 9.2 million pounds (1 percent) and \$2.4 million (2 percent) compared with 2001. Landings decreased by 109.8 million pounds (19 percent) in the Atlantic states, but increased by 119.0 million pounds (10 percent) in the Gulf states compared with 2001. Landings along the Atlantic coast were 466.4 million pounds valued at \$26.9 million. Gulf region landings were 1.3 billion pounds valued at \$78.2 million.

Menhaden are used primarily for the production of meal, oil, and solubles, while small quantities are used for bait.

NORTH ATLANTIC TRAWL FISH

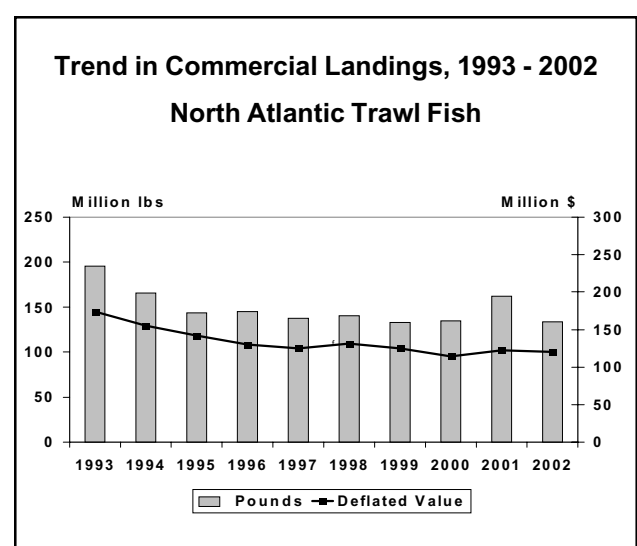
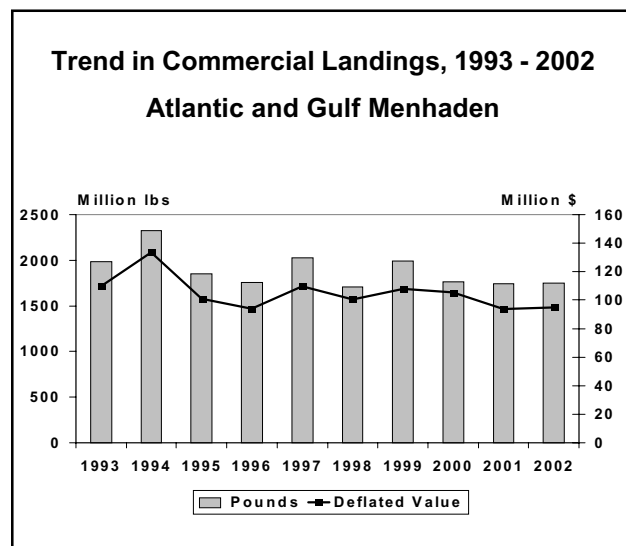
Landings of butterfish, Atlantic cod, cusk, flounders (winter/blackback, summer/fluke, yellowtail and other), haddock, red and white hake, ocean perch, pollock and whiting (silver hake) in the North Atlantic (combination of New England, Middle Atlantic, and Chesapeake Regions) were 133.3 million pounds valued at \$130.3 million—a decrease of 28.9 million pounds (18 percent), and \$4.2 million (3 percent) compared with 2001. Of these species, flounder led in total value in the North Atlantic, accounting for 46 percent of the total; followed by cod, 24 percent; and haddock, 13 percent.

The 2002 landings of Atlantic cod were 28.9 million pounds valued at \$30.7 million—a decrease of 4.3 million pounds (13 percent) and \$1.4 million (4 percent) compared with 2001. The exvessel price per pound was \$1.06 in 2002, up from 97 cents per pound in 2001.

Landings of yellowtail flounder were 11.8 million pounds—a decrease of 4.3 million pounds (27 percent) from 2001, and about 6 percent higher than the 5-year average.

Haddock landings increased to 16.7 million pounds (30 percent) and \$19.1 million (31 percent) compared to 2001.

North Atlantic pollock landings were 7.9 million pounds valued at \$6.2 million—a decrease of 1.2 million pounds (13 percent); the value remained the same compared with 2001.



PACIFIC SALMON

U.S. commercial landings of salmon were 567.2 million pounds valued at \$155.0 million—a decrease of 155.7 million pounds (22 percent) and \$53.9 million (26 percent) compared with 2001. Alaska accounted for 92 percent of total landings; Washington, 6 percent; California, Oregon, and the Great Lakes accounted for 2 percent of the catch. Sockeye salmon landings were 135.9 million pounds valued at \$77.3 million—a decrease of 34.2 million pounds (20 percent) and \$17.1 million (18 percent) compared with 2001. Chinook salmon landings increased to 25.2 million pounds—up 8.6 million pounds (52 percent) from 2001. Pink salmon landings were 255.8 million pounds—a decrease of 125.7 million (33 percent); chum salmon landings were 111.8 million—a decrease of 4.4 million (4 percent); and coho salmon increased to 38.5 million—an increase of 112,000 pounds (less than 1 percent) compared with 2001.

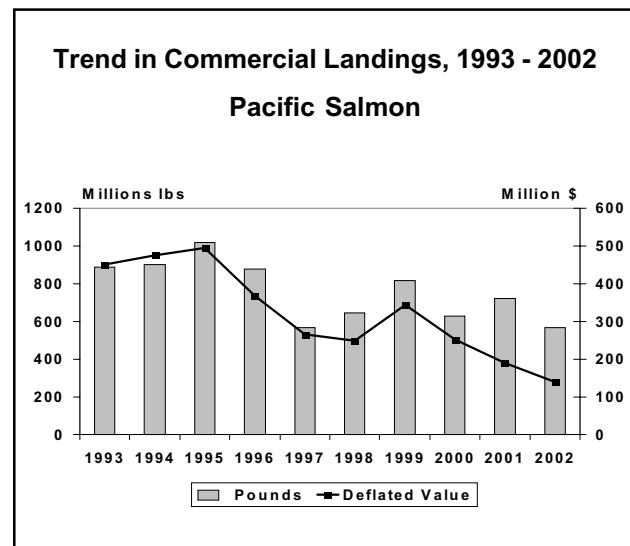
Alaska landings were 523.1 million pounds valued at \$129.9 million—a decrease of 163.3 million pounds (24 percent) and \$58.6 million (31 percent) compared with 2001. The distribution of Alaska salmon landings by species in 2002 was: pink, 255.8 million pounds (49 percent); sockeye, 132.8 million pounds (25 percent); chum, 92.3 million pounds (18 percent); coho, 32.9 million pounds (6 percent); and chinook, 9.3 million pounds (2 percent). The average price per pound for all species in Alaska was 25 cents in 2002—a decrease of 2 cents from 2001.

Washington salmon landings were 32.1 million pounds valued at \$10.6 million—an increase of 4.2 million pounds (15 percent), and \$1.1 million (11 percent) compared with 2001. The biennial fishery for pink salmon went from 3.2 million pounds in 2001 to 1,000 pounds in 2002. Washington landings of chum salmon were 19.5 million pounds (up 36 percent); followed by chinook salmon, 5.4 million pounds (up 34 percent); coho 4.1 million pounds (down 16 percent); and sockeye 3.1 million pounds (up 103 percent). The average exvessel price per pound for all species in Washington decreased from 34 cents in 2001 to 33 cents in 2002.

Oregon salmon landings were 6.1 million pounds valued at \$6.9 million—an increase of 851,000 pounds (16 percent) and \$1.1 million (18 percent) compared with 2001. Chinook salmon landings were 5.0 million pounds

valued at \$6.6 million; coho landings were 1.2 million pounds valued at \$382,000; chum landings were less than 500 pounds and had a value of less than \$500; no sockeye and pink salmon landings were reported for 2002. The average exvessel price per pound for chinook salmon in Oregon increased from \$1.11 in 2001 to \$1.32 in 2002.

California salmon landings were 5.5 million pounds valued at \$7.4 million — an increase of 2.8 million pounds (101 percent) and \$2.7 million (57 percent) compared with 2001. Chinook salmon were the principal species landed in the state. The average exvessel price per pound paid to fishermen in 2002 was \$1.34 compared with \$1.72 in 2001.



SABLEFISH

U.S. commercial landings of sablefish were 40.9 million pounds valued at \$78.3 million—a decrease of 3.1 million pounds (7 percent) and \$2.1 million (3 percent) compared with 2001. Landings increased in Alaska to 32.2 million pounds—an increase of 3 percent compared with 2001. Landings decreased in Washington to 2.6 million pounds (down 28 percent) and in value to \$4.4 million (down 26 percent). The 2002 Oregon catch was 3.2 million pounds (down 44 percent), and \$4.5 million (down 43 percent) compared with 2001. California landings of 2.9 million pounds and \$3.5 million represent a 15 percent decrease in quantity and a 15 percent decrease in value from 2001. The average exvessel price per pound in 2002 was \$1.91 compared with \$1.82 in 2001.

TUNA

Landings of tuna by U.S. fishermen at ports in United States, American Samoa, other U.S. territories, and foreign ports were 340.1 million pounds valued at \$200.4 million—an increase of 9.8 million pounds (3 percent), but a decrease of \$7.0 million (3 percent) compared with 2001. The average exvessel price per pound of all species of tuna in 2002 was 59 cents compared with 63 cents in 2001.

Bigeye landings in 2002 were 27.6 million pounds—an increase of 14.6 million pounds (112 percent) compared with 2001. The average exvessel price per pound was \$1.40 in 2002, compared to \$2.15 in 2001.

Skipjack landings were 198.3 million pounds—an increase of 2.0 million pounds (1 percent) compared with 2001. The average exvessel price per pound was 33 cents in 2002, compared to 36 cents in 2001.

Yellowfin landings were 72.4 million pounds—a decrease of 3.9 million pounds (5 percent) compared with 2001. The average exvessel price per pound was 72 cents in 2002 compared with 68 cents in 2001.

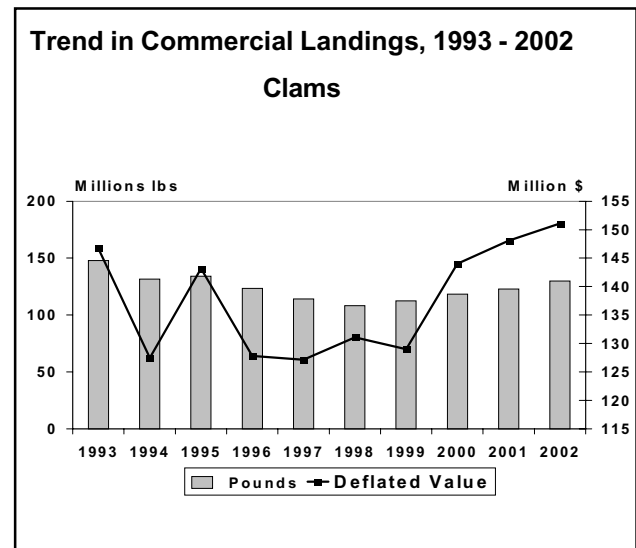
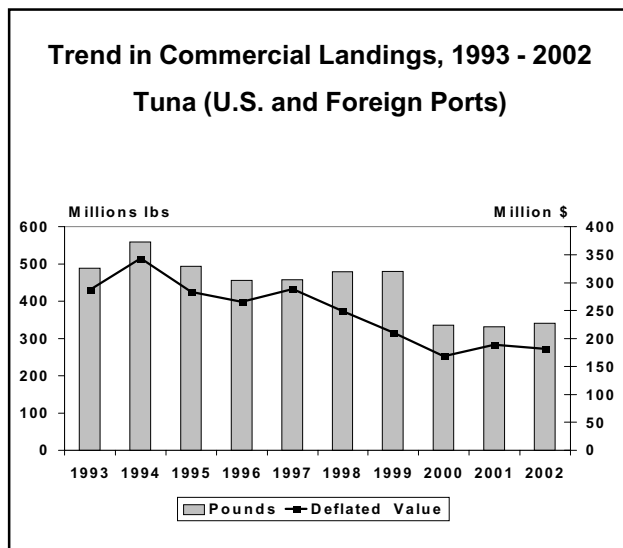
Bluefin landings were 2.8 million pounds—a decrease of 653,000 pounds (19 percent) compared with 2002. The average exvessel price per pound in 2002 was \$5.66 compared with \$5.56 in 2001.

CLAMS

Landings of all species yielded 130.1 million pounds of meats valued at \$167.2 million—an increase of 7.3 million pounds (6 percent), and \$5.2 million (3 percent) in value compared with 2001. The average exvessel price per pound in 2002 was \$1.29 compared with \$1.32 in 2001.

Surf clams yielded 72.0 million pounds of meats valued at \$39.8 million—an increase of 3.1 million pounds (5 percent) and \$213,000 (1 percent) compared with 2001. New Jersey was the leading state with 53.6 million pounds (up 1 percent), followed by New York, 8.5 million pounds (up 13 percent); and Maryland, 6.6 million pounds (down 16 percent) compared with 2001. The average exvessel price per pound of meats was 55 cents in 2002, down 2 cents from 2001.

The ocean quahog fishery produced 40.0 million pounds of meats valued at \$25.5 million—an increase of 2.0 million pounds (5 percent) and \$1.6 million (7 percent) compared with 2001. New Jersey had landings of 20.4 million pounds (down 3 percent) valued at \$10.6 million (down 10 percent) while Massachusetts production was 12.4 million pounds (up 19 percent) valued at \$6.7 million (up 20 percent). Together, New Jersey and Massachusetts accounted for 82 percent of total ocean quahog production in 2002. The average exvessel price per pound of meats increased from 63 cents in 2001 to 64 cents in 2002.



The hard clam fishery produced 10.9 million pounds of meats valued at \$46.6 million—an increase of 1.4 million pounds (14 percent) but a decrease \$693,000 (1 percent) compared with 2001. Landings in the New England region were 6.1 million pounds of meats (up 33 percent); Middle Atlantic, 3.2 million pounds (down 2 percent); Chesapeake, 682,000 pounds (up 12 percent); and the South Atlantic region, 958,000 pounds (down 13 percent). The average exvessel price per pound of meats decreased from \$4.95 in 2001 to \$4.26 in 2002.

Soft clams yielded 3.2 million pounds of meats valued at \$16.8 million—a decrease of 388,000 pounds (11 percent), and \$2.3 million (12 percent) compared with 2001. Maine was the leading state with 2.5 million pounds of meats (down 24 percent), followed by Maryland with 215,000 pounds (up 247 percent), and New York with 132,000 pounds (up 24 percent). The average exvessel price per pound of meats was \$5.32 in 2002, compared with \$5.39 in 2001.

CRABS

Landings of all species of crabs were 307.6 million pounds valued at \$397.7 million—an increase of 35.4 million pounds (13 percent), and \$16.0 million (4 percent) compared with 2001.

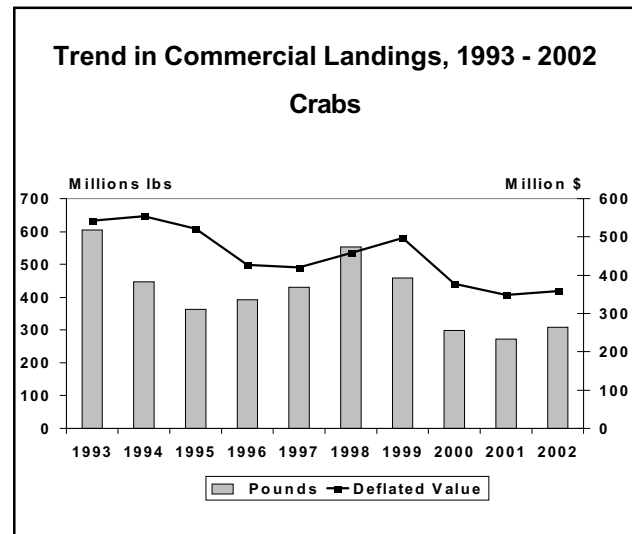
Hard blue crab landings were 172.2 million pounds valued at \$129.6 million—an increase of 21.2 million pounds (14 percent), but a decrease of \$2.6 million (2 percent) compared with 2001. Louisiana landed 31 percent of the total U.S. landings followed by: North Carolina, 21 percent; Maryland, 15 percent; and Virginia, 15 percent. Hard blue crab landings in the Chesapeake region were 50.4 million pounds—an increase of 7 percent; the South Atlantic with 45.0 million pounds increased 8 percent; and the Gulf region with 67.7 million pounds increased 28 percent. The Middle Atlantic region with 9.0 million pounds valued at \$9.6 million had a decrease of 673,000 pounds (7 percent) compared with 2001. The average exvessel price per pound of hard blue crabs was 75 cents in 2002, compared with 88 cents in 2001.

Dungeness crab landings were 48.9 million pounds valued at \$80.0 million—an increase of 12.5 million pounds (34 percent) and \$6.7 million (9 percent) compared with 2001. Washington landings of 21.4 million pounds (up 13 percent) led all states with 44 percent of the total landings. Oregon landings were 12.4 million pounds (up 28 percent) or 25 percent of the total

landings. Alaska landings were 7.9 million pounds (up 83 percent) and California landings were 7.2 million pounds (up 105 percent) compared with 2001. The average exvessel price per pound was \$1.64 in 2002 compared with \$2.01 in 2001.

U.S. landings of king crab were 16.8 million pounds valued at \$84.8 million—an increase of 739,000 pounds (5 percent), and \$19.2 million (29 percent) compared with 2001. The average exvessel price per pound in 2002 was \$5.05 compared with \$4.08 in 2001.

Snow crab landings were 31.9 million pounds valued at \$44.0 million—an increase of 7.1 million pounds (29 percent), and \$5.7 million (15 percent) compared with 2001. The average exvessel price per pound was \$1.38 cents in 2002, down from \$1.55 in 2001.



LOBSTER, AMERICAN

American lobster landings were 82.3 million pounds valued at \$293.3 million—an increase of 8.6 million pounds (12 percent) and \$39.0 million (15 percent) compared with 2001. Maine led in landings for the 21st consecutive year with 60.7 million pounds valued at \$202.1 million—an increase of 10.1 million pounds (20 percent) compared with 2001. Massachusetts, the second leading producer, had landings of 12.9 million pounds valued at \$56.6 million—a decrease of 477,000 pounds (4 percent) compared with 2001. Together, Maine and Massachusetts produced 89 percent of the total national landings. The average exvessel price per pound was \$3.57 in 2002, compared with \$3.45 in 2001.

LOBSTERS, SPINY

U.S. landings of spiny lobster were 5.2 million pounds valued at \$25.6 million—an increase of 1.1 million pounds (27 percent) and \$4.2 million (20 percent) compared with 2001. Florida, with landings of 4.5 million pounds valued at \$21.0 million, accounted for 87 percent of the total catch and 82 percent of the value. This was an increase of 1.1 million pounds (34 percent), and \$4.2 million (25 percent) compared with 2001. Overall the average exvessel price per pound was \$4.93 in 2002 compared with \$5.24 in 2001.

OYSTERS

U.S. oyster landings yielded 34.4 million pounds of meats valued at \$89.1 million—an increase of 1.7 million pounds (5 percent) and \$8.1 million (10 percent) compared with 2001. The Gulf region led in production with 23.4 million pounds of meats, 68 percent of the national total; followed by the Pacific region with 8.4 million pounds (25 percent), principally Washington, with 6.5 million pounds (77 percent of the region's total volume); and the Chesapeake region with 664,000 pounds (2 percent). The average exvessel price per pound of meats was \$2.59 in 2002 compared with \$2.47 in 2001.

SCALLOPS

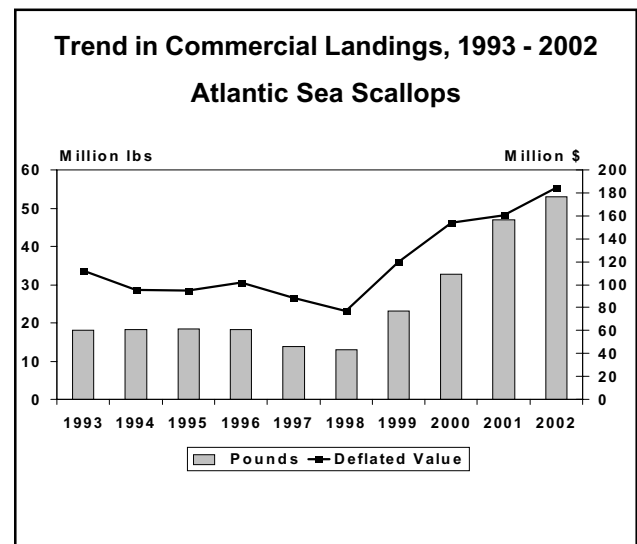
U.S. landings of bay and sea scallops totaled 53.1 million pounds of meats valued at \$203.8 million—an increase of 6.1 million pounds (13 percent) and \$28.4 million (16 percent) compared with 2001. The average exvessel price per pound of meats increased from \$3.74 in 2001 to \$3.84 in 2002.

Bay scallop landings were 22,000 pounds of meats valued at \$131,000—an increase of 16,000 pounds (267 percent) and \$64,000 (96 percent) compared with 2001. The average exvessel price per pound of meats was \$5.95 in 2002 compared with \$11.17 in 2001.

Calico scallop landings in 2002 were confidential and cannot be publically released.

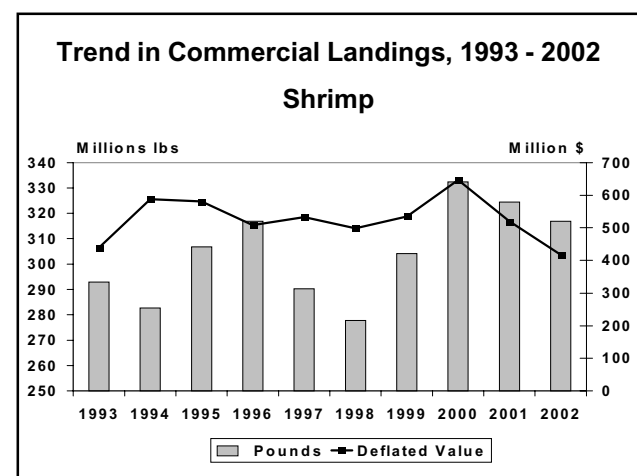
Sea scallop landings were 53.1 million pounds of meats valued at \$203.7 million—an increase of 6.1 million pounds (13 percent) and \$28.4 million (16 percent) compared with 2001. Massachusetts and Virginia were the leading states in landings of sea scallops with 25.3 and 16.2 million pounds of meats, respectively, representing 78 percent of the national total. The average exvessel

price per pound of meats in 2002 was \$3.84 compared with \$3.73 in 2001.



SHRIMP

U.S. landings of shrimp were 316.8 million pounds valued at 460.9 million—a decrease of 7.7 million pounds (2 percent) and \$107.7 million (19 percent) in value compared with 2001. Shrimp landings by region were: New England down 64 percent; South Atlantic up 15 percent; Gulf down 10 percent; and Pacific up 41 percent. The average exvessel price per pound of shrimp decreased to \$1.45 in 2002 compared with \$1.75 in 2001. Gulf region landings were the nation's largest with 229.5 million pounds and 72 percent of the national total. Louisiana led all Gulf states with 106.2 million pounds (down 15 percent); followed by Texas, 74.6 million



pounds (down 9 percent); Florida (West Coast), 18.2 million pounds (up 4 percent); Mississippi, 15.9 million pounds (unchanged); and Alabama, 14.6 million pounds (down 8 percent). In the Pacific region, Oregon had landings of 41.6 million pounds (up 46 percent); Washington had landings of 11.0 million pounds (up 45 percent); and California had 5.2 million pounds (up 13 percent); compared with 2001.

SQUID

U.S. commercial landings of squid were 205.5 million pounds valued at \$43.5 million—a decrease of 26.2

million pounds (11 percent) but an increase of \$3.1 million (8 percent) compared with 2001. California was the leading state with 160.1 million pounds (78 percent) and was followed by Rhode Island with 23.7 million pounds (12 percent of the national total). The Pacific region landings were 162.1 million pounds (down 15 percent); followed by New England, 27.9 million (up 12 percent); Middle Atlantic, 14.7 million pounds (up 1 percent); and the Chesapeake region with 467,000 pounds (down 48 percent) compared with 2001. The average exvessel price per pound for squid was 21 cents in 2002 compared with 17 cents in 2001.

U.S. Commercial Landings

U.S. DOMESTIC LANDINGS, BY SPECIES, 2001 AND 2002 (1)

Species	2001			2002			Average (1997-2001)
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds
Fish							
Alewives	1,576	715	297	2,059	934	362	1,237
Anchovies	42,460	19,260	1,422	10,762	4,882	623	19,137
Atka mackerel	125,874	57,096	1,710	83,244	37,759	2,525	116,509
Bluefish	8,804	3,993	3,088	6,973	3,163	2,394	8,377
Blue runner	348	158	206	377	171	201	399
Bonito	119	54	161	121	55	81	857
Butterfish	10,939	4,962	3,582	3,363	1,525	1,431	6,987
Catfish and bullheads	16,487	7,478	9,953	13,887	6,299	7,927	16,051
Chubs	1,625	737	1,588	1,813	822	1,969	2,964
Cod:							
Atlantic	33,211	15,064	32,086	28,941	13,128	30,715	26,570
Pacific	471,711	213,967	118,071	512,827	232,617	96,206	548,702
Crevalle (jack)	674	306	405	486	220	297	710
Croaker:							
Atlantic	28,699	13,018	8,170	25,932	11,763	7,843	27,025
Pacific (white)	301	137	145	214	97	186	241
Cusk	397	180	228	330	150	203	615
Dolphinfish	921	418	1,108	2,226	1,010	3,745	1,253
Eels, American	867	393	821	610	277	668	1,092
Flounders:							
Arrowtooth	31,619	14,342	1,109	36,572	16,589	1,070	26,316
Winter (blackback)	15,279	6,931	13,783	12,984	5,890	13,955	12,464
Plaice, American	9,755	4,425	9,516	7,540	3,420	8,623	8,541
Summer (fluke)	10,836	4,915	18,051	14,253	6,465	21,618	10,541
Sole:							
Dover	16,406	7,442	5,600	14,668	6,653	5,127	21,934
Flathead	35,477	16,092	1,516	29,043	13,174	981	34,581
Witch (gray)	4,017	1,822	4,030	7,031	3,189	8,567	4,944
Petrale	53,379	24,213	4,919	3,953	1,793	3,622	3,780
Rock	6,658	3,020	7,855	64,530	29,271	4,837	51,531
Yellowfin	121,072	54,918	8,781	140,269	63,626	5,823	181,448
Yellowtail	16,103	7,304	15,264	11,805	5,355	13,250	11,103
Atlantic/Gulf, Other	4,670	2,118	7,628	4,566	2,071	7,241	4,879
Pacific, Other	27,092	12,289	7,188	25,483	11,559	7,656	38,705
Total, flounders	352,363	159,831	105,240	372,697	169,054	102,370	410,767
Goosefish (anglerfish)	51,296	23,268	44,159	50,471	22,893	37,536	54,225
Groupers	13,493	6,120	29,530	13,450	6,101	28,453	11,844
Haddock	12,845	5,826	14,513	16,652	7,553	19,080	7,634
Hakes:							
Pacific (whiting)	379,304	172,051	16,147	285,714	129,599	13,584	462,266
Red	3,701	1,679	916	2,007	910	671	3,297
Silver (Atl. whiting)	28,479	12,918	13,232	17,622	7,993	7,454	30,710
White	7,690	3,488	3,904	7,220	3,275	4,573	6,055
Halibut	77,978	35,371	115,169	82,044	37,215	135,603	75,325
Herring:							
Sea:							
Atlantic	209,191	94,888	12,717	135,871	61,631	9,106	187,134
Pacific	91,297	41,412	13,213	78,408	35,566	11,534	97,270
Thread	2,770	1,256	289	5,747	2,607	399	7,057
Jack mackerel	8,464	3,839	614	2,262	1,026	207	3,966

See notes at end of table.

(Continued)

U.S. Commercial Landings

U.S. DOMESTIC LANDINGS, BY SPECIES, 2001 AND 2002 (1) - Continued

Species	2001			2002			Average (1997-2001)
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds
Fish - Continued:							
Lingcod	411	186	425	556	252	555	1,560
Mackerels:							
Atlantic	27,155	12,317	2,221	47,409	21,505	5,625	25,539
Chub	15,981	7,249	1,172	7,706	3,495	496	33,569
King and cero	4,839	2,195	6,895	4,471	2,028	6,291	5,170
Spanish	4,223	1,916	2,466	3,473	1,575	2,152	3,563
Menhaden:							
Atlantic	576,286	261,402	30,336	466,437	211,574	26,945	551,421
Gulf	1,165,144	528,506	72,354	1,284,172	582,497	78,157	1,293,477
Total, menhaden	1,741,430	789,907	102,690	1,750,609	794,071	105,102	1,844,898
Mullets	18,535	8,407	11,332	15,609	7,080	9,971	18,397
Ocean perch:							
Atlantic	794	360	358	811	368	487	706
Pacific	38,997	17,689	1,692	45,390	20,589	4,613	41,550
Pollock:							
Atlantic	9,058	4,109	6,200	7,894	3,581	6,200	9,956
Walleye (Alaska)	3,179,407	1,442,170	230,723	3,341,105	1,515,515	203,696	2,668,202
Rockfishes:							
Bocaccio	75	34	54	49	22	32	696
Canary	108	49	61	120	54	56	1,524
Chilipepper	1,362	618	781	355	161	188	2,250
Widow	5,751	2,609	2,434	975	442	423	10,187
Yellowtail	4,580	2,077	2,059	2,658	1,206	1,231	6,641
Other	32,033	14,530	15,769	31,882	14,462	15,881	47,546
Total, rockfishes	43,909	19,917	21,158	36,039	16,347	17,811	68,844
Sablefish	44,037	19,975	80,361	40,908	18,556	78,281	47,679
Salmon:							
Chinook or king	16,588	7,524	22,527	25,153	11,409	28,357	17,193
Chum or keta	116,153	52,687	34,973	111,752	50,690	18,439	131,307
Pink	381,543	173,067	41,225	255,827	116,042	17,588	306,282
Red or sockeye	170,134	77,172	94,376	135,921	61,653	77,309	188,769
Silver or coho	38,414	17,424	15,825	38,526	17,475	13,317	32,140
Total, salmon	722,832	327,874	208,926	567,179	257,271	155,010	675,691
Sardines:							
Pacific	166,931	75,719	9,113	214,408	97,255	10,621	127,403
Spanish	1,374	623	366	1,440	653	224	1,223
Scup or porgy	4,538	2,058	3,857	7,749	3,515	5,263	4,413
Sea bass:							
Black (Atlantic)	3,674	1,667	5,389	4,204	1,907	6,877	3,537
White (Pacific)	274	124	506	428	194	708	193
Sea trout or weakfish:							
Gray	5,010	2,273	3,150	4,765	2,161	3,064	6,612
Spotted	335	152	560	374	170	591	661
Sand (white)	116	53	74	145	66	86	155
Shads:							
American	3,578	1,623	1,020	1,855	841	1,031	3,324
Hickory	199	90	35	94	43	32	143
Sharks:							
Dogfish	7,703	3,494	1,778	8,513	3,861	1,913	32,710
Other	8,705	3,949	5,822	8,959	4,064	6,312	13,027
Sheepshead (Atlantic)	2,677	1,214	935	2,449	1,111	832	3,102

See notes at end of table.

(Continued)

U.S. Commercial Landings

U.S. DOMESTIC LANDINGS, BY SPECIES, 2001 AND 2002 (1) - Continued

Species	2001			2002			Average (1997-2001)
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds
Fish - Continued:							
Skates	32,237	14,623	3,948	35,604	16,150	4,126	31,663
Smelts	1,281	581	1,033	1,722	781	884	1,954
Snappers:							
Red	5,048	2,290	11,902	4,522	2,051	10,196	4,854
Vermilion	2,329	1,056	5,004	2,161	980	4,517	1,728
Unclassified	3,648	1,655	7,095	3,930	1,783	8,579	3,735
Spearfish	552	250	668	1,813	822	2,288	362
Spot	6,814	3,091	2,846	5,485	2,488	2,298	6,730
Striped bass	6,501	2,949	11,497	6,314	2,864	11,057	6,586
Swordfish	9,409	4,268	19,831	8,642	3,920	17,106	14,383
Tenpounder (ladyfish)	1,014	460	670	1,445	655	1,022	1,874
Tilefish	3,108	1,410	5,194	3,133	1,421	5,404	3,163
Trout, rainbow	486	220	212	321	146	153	416
Tuna:							
Albacore	28,011	12,706	25,149	23,927	10,853	16,274	27,598
Bigeye	7,652	3,471	25,588	11,379	5,161	30,702	7,728
Bluefin	3,150	1,429	18,900	2,693	1,222	15,495	4,586
Little (tunny)	787	357	430	919	417	207	812
Skipjack	1,909	866	2,176	1,470	667	1,334	9,080
Yellowfin	10,122	4,591	20,860	8,828	4,004	19,888	15,509
Unclassified	223	101	394	142	64	216	407
Total, tuna	51,854	23,521	93,497	49,358	22,389	84,116	65,720
Whitefish, lake	9,886	4,484	10,256	9,344	4,238	8,273	11,710
Wolffish, Atlantic	550	249	221	341	155	174	579
Yellow perch	1,411	640	3,382	1,512	686	3,287	1,288
Other marine finfishes	17,161	7,784	6,160	45,718	20,738	28,207	54,819
Other freshwater finfishes	48,595	22,043	34,664	19,750	8,959	5,915	16,191
Total, fish	8,242,490	3,738,769	1,479,988	8,089,987	3,669,594	1,359,392	--
Shellfish							
Clams:							
Quahog (hard)	9,559	4,336	47,299	10,931	4,958	46,606	8,812
Geoduck (Pacific)	1,367	620	18,955	1,900	862	22,480	1,390
Manila (Pacific)	689	313	8,114	863	391	10,480	717
Ocean quahog	37,993	17,234	23,866	40,001	18,144	25,491	38,676
Softshell	3,549	1,610	19,136	3,161	1,434	16,828	2,799
Surf (Atlantic)	68,864	31,237	39,555	71,992	32,655	39,768	61,650
Other	743	337	5,067	1,228	557	5,562	1,078
Total, clams	122,764	55,685	161,992	130,076	59,002	167,215	115,122
Conch (snails)	2,864	1,299	4,711	2,163	981	3,467	2,482
Crabs:							
Blue: Hard	151,034	68,509	132,234	172,186	78,103	129,630	194,706
Soft and peeler	7,403	3,358	28,607	5,518	2,503	18,383	6,146
Dungeness	36,431	16,525	73,262	48,908	22,185	79,966	36,403
Jonah	2,745	1,245	1,678	2,626	1,191	1,522	2,605
King	16,054	7,282	65,560	16,793	7,617	84,756	18,044

See notes at end of table.

(Continued)

U.S. Commercial Landings

U.S. DOMESTIC LANDINGS, BY SPECIES, 2001 AND 2002 (1) - Continued

Species	2001			2002			Average (1997-2001)
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds
Shellfish - Continued							
Crabs - Continued:							
Snow (Tanner):							
Opilio	24,792	11,246	38,319	31,936	14,486	43,977	121,367
Bairdi	2,052	931	4,256	1,302	591	2,467	2,087
Other	31,735	14,395	37,751	28,332	12,851	36,994	21,088
Total, crabs	272,246	123,490	381,667	307,601	139,527	397,695	402,466
Crawfish (freshwater)	10,310	4,677	8212	15,707	7,125	8,194	13,578
Horseshoe crab	2,863	1,299	1,001	3,059	1,388	723	4,961
Lobsters:							
American	73,637	33,402	254,334	82,252	37,309	293,329	81,123
Spiny	4,082	1,852	21,394	5,188	2,353	25,596	6,082
Mussels, blue (sea)	3,378	1,532	4,804	4,846	2,198	5,767	3,213
Oysters	32,673	14,820	80,946	34,397	15,602	89,071	34,291
Scallops:							
Bay	6	3	67	22	10	131	49
Calico, Atlantic Sea	(3)	(3)	(3)	(3)	(3)	(3)	1,511
Sea	46,958	21,300	175,349	53,056	24,066	203,707	25,917
Shrimp:							
New England	2,793	1,267	2,534	1,015	460	1,193	6,801
South Atlantic	23,010	10,437	50,111	26,418	11,983	56,404	27,021
Gulf	256,215	116,218	495,642	229,476	104,090	378,475	236,961
Pacific	42,455	19,257	20,197	59,878	27,160	24,803	34,985
Other	8	4	63	(2)	(2)	3	41
Total, shrimp	324,481	147,184	568,547	316,787	143,694	460,878	305,809
Squid:							
Atlantic:							
Illex	8,838	4,009	1,937	6,062	2,750	1,445	25,002
Loligo	31,329	14,211	20,684	36,782	16,684	23,529	37,453
Unclassified	-	-	-	2,012	913	310	1,336
Pacific:							
Loligo	189,219	85,829	17,547	160,668	72,879	18,260	162,184
Unclassified	2,313	1,049	287	9	4	2	57
Total, Squid	231,699	105,098	40,455	205,533	93,229	43,546	226,032
Other shellfish	10,551	4,786	7,912	17,903	8,121	7,107	12,019
Total, Shellfish	1,138,512	516,426	1,711,391	1,178,590	534,605	1,706,426	--
Other							
Sea urchins	27,470	12,460	26,535	23,428	10,627	17,738	33,305
Seaweed, unclassified	81,905	37,152	681	103,909	47,133	122	112,030
Kelp (with herring eggs)	71	32	402	132	60	681	351
Worms	1,415	642	9,288	1,118	507	7,959	683
Total, other	110,861	50,286	36,906	128,587	58,327	26,500	--
Grand Total, U.S.	9,491,863	4,305,481	3,228,285	9,397,164	4,262,526	3,092,318	--

(1) Landings are reported in round (live) weight for all items except univalve and bivalve mollusks such as clams, oysters, and scallops, which are reported in weight of meats (excluding the shell). Landings for Mississippi River drainage are not available.

(2) Less than .5 metric ton.

(3) Data are confidential and included with unclassified shellfish.

Note:—Data are preliminary. Totals may not add due to rounding. Total U.S. Domestic landings include Alaska pollock, Pacific whiting and other Pacific groundfish that are caught in the U.S. EEZ off Washington, Oregon and Alaska and processed at-sea aboard U.S. vessels. Data do not include landings by U.S.-flag vessels at Puerto Rico or other ports outside the 50 States. Data do not include aquaculture products, except oysters and clams.

U.S. Commercial Landings

DISPOSITION OF U.S. DOMESTIC LANDINGS, 2001 AND 2002

End Use	2001		2002	
	<u>Million pounds</u>	<u>Percent</u>	<u>Million pounds</u>	<u>Percent</u>
Fresh and frozen:				
For human food	6,691	70.5	6,490	69.1
For bait and animal food	394	4.2	336	3.6
Total	7,085	74.6	6,826	72.6
Canned:				
For human food	500	5.3	597	6.4
For bait and animal food	36	0.4	55	0.6
Total	536	5.6	652	6.9
Cured for human food	123	1.3	117	1.2
Reduction to meal, oil, other	1,748	18.4	1,802	19.2
Grand total	9,492	100.0	9,397	100.0

NOTE:--Data are preliminary. Table may not add due to rounding.

DISPOSITION OF U.S. DOMESTIC LANDINGS, BY MONTH, 2002

Month	Landings for human food		Landings for industrial purposes (1)		Total	
	<u>Million pounds</u>	<u>Percent</u>	<u>Million pounds</u>	<u>Percent</u>	<u>Million pounds</u>	<u>Percent</u>
January	329	4.6	54	2.5	383	4.1
February	954	13.2	45	2.1	999	10.6
March	884	12.3	37	1.7	921	9.8
April	236	3.3	120	5.5	356	3.8
May	340	4.7	199	9.1	539	5.7
June	477	6.6	301	13.7	778	8.3
July	1,068	14.8	448	20.4	1,516	16.1
August	1,318	18.3	372	17.0	1,690	18.0
September	790	11.0	260	11.9	1,050	11.2
October	482	6.7	237	10.8	719	7.7
November	200	2.8	62	2.8	262	2.8
December	127	1.8	57	2.6	184	2.0
Total	7,205	100.0	2,192	100.0	9,397	100.0

(1) Processed into meal, oil, solubles, and shell products, or used as bait and animal food.

U.S. COMMERCIAL LANDINGS OF FISH AND SHELLFISH, 1993-2002 (1)

Year	Landings for human food		Landings for industrial purposes (2)		Total	
	<u>Million pounds</u>	<u>Million dollars</u>	<u>Million pounds</u>	<u>Million dollars</u>	<u>Million pounds</u>	<u>Million dollars</u>
1993	*8,214	3,317	2,253	154	10,467	3,809
1994	7,936	3,714	2,525	95	9,788	3,770
1995	7,667	3,625	2,121	145	9,565	3,487
1996	7,474	3,355	2,091	132	9,842	3,448
1997	7,244	3,285	2,598	163	9,194	3,128
1998	7,173	3,009	2,021	119	9,339	3,467
1999	6,832	3,265	2,507	202	9,069	3,550
2000	6,912	3,398	2,157	152	9,069	3,550
2001	7,314	3,074	2,178	154	9,492	3,228
2002	7,205	2,940	2,192	152	9,397	3,092

(1) Statistics on landings are shown in round weight for all items except univalve and bivalve mollusks such as clams, oysters, and scallops, which are shown in weight of meats (excluding the shell).

(2) Processed into meal, oil, solubles, and shell products, or used as bait or animal food.

*Record. Record—For industrial purposes 1983, 3,201 million lb.

NOTE:—Data are preliminary. Data do not include landings outside the 50 States or products of aquaculture, except oysters and clams.

U.S. Commercial Landings

U.S. DOMESTIC LANDINGS, BY REGION AND BY STATE, 2001 AND 2002 (1)

Regions and States	2001		2002		Record Landings	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Year	Thousand pounds
New England:	635,162	646,447	583,915	685,428	-	-
Maine	239,868	251,441	197,057	279,396	1950	356,266
New Hampshire	18,584	17,865	23,201	16,691	-	(2)
Massachusetts	242,066	281,059	243,824	297,312	1948	649,696
Rhode Island	115,957	65,457	103,656	64,250	1957	142,080
Connecticut	18,687	30,625	16,177	27,779	1930	88,012
Middle Atlantic:	217,975	172,503	206,697	170,134	-	-
New York	42,422	55,038	38,665	51,334	1880	335,000
New Jersey	168,430	109,820	162,175	112,733	1956	540,060
Delaware	7,123	7,645	5,857	6,067	1953	367,500
Chesapeake:	617,244	174,968	495,675	172,320	-	-
Maryland	55,536	55,586	53,185	49,013	1890	141,607
Virginia	561,708	119,382	442,490	123,307	1990	786,794
South Atlantic:	199,554	176,488	214,799	173,429	-	-
North Carolina	139,277	90,202	159,557	98,723	1981	432,006
South Carolina	14,111	23,398	13,458	20,760	1965	26,611
Georgia	9,036	14,752	9,563	15,068	1927	47,607
Florida, East Coast	37,130	48,136	32,221	38,878	-	(2)
Gulf:	1,605,564	798,319	1,716,140	692,717	-	-
Florida, West Coast	78,105	143,810	78,975	138,968	-	(2)
Alabama	24,740	43,170	23,380	35,102	1973	36,744
Mississippi	213,889	50,561	217,053	46,093	1984	476,997
Louisiana	1,191,460	342,748	1,308,531	305,534	1984	1,931,027
Texas	97,370	218,030	88,201	167,020	1960	237,684
Pacific Coast:	6,173,671	1,187,106	6,138,249	1,130,633	-	-
Alaska	5,036,338	869,885	5,066,263	811,545	1993	5,905,638
Washington	377,231	134,454	362,049	142,521	1994	527,804
Oregon	234,097	72,516	211,183	68,431	1997	273,503
California	526,005	110,251	498,754	108,136	1936	1,760,193
Great Lakes:	18,818	17,844	17,848	15,544	-	-
Illinois	16	14	-	-	-	(2)
Michigan	10,322	9,235	9,459	7,362	1930	35,580
Minnesota	501	202	449	180	-	(2)
New York	71	113	47	81	-	-
Ohio	3,535	3,287	3,427	3,093	1936	31,083
Pennsylvania	25	44	15	37	-	(2)
Wisconsin	4,348	4,949	4,451	4,791	-	(2)
Hawaii	23,870	54,561	23,841	52,113	1999	36,907
Total, United States	9,491,858	3,228,236	9,397,164	3,092,318	---	---

(1) Landings are reported in round (live) weight for all items except univalve and bivalve mollusks such as clams, oysters, scallops, which are reported in weight of meats (excluding the shell). Landings for Mississippi River drainage area States are not available.

2) Data not available.

NOTE:—Data are preliminary. Landings of Alaska pollock, Pacific whiting, and other Pacific groundfish that are caught in waters off Washington, Oregon and Alaska and are processed at-sea aboard U.S. vessels are credited to the State nearest to the area of capture. Totals may not add due to roundings. Data do not include landings by U.S.-flag vessels at Puerto Rico and other ports outside the 50 States. Therefore, they will not agree with "U.S. Commercial Landings" beginning on page 8. Data do not include aquaculture products, except oysters and clams.

U.S. Commercial Landings

COMMERCIAL FISHERY LANDINGS AND VALUE AT MAJOR U.S. PORTS, 2001-2002

Port	Quantity		Port	Value	
	2001	2002		2001	2002
	<u>Million pounds</u>			<u>Million dollars</u>	
Dutch Harbor-Unalaska, AK	834.5	908.1	New Bedford, MA	151.4	169.0
Empire-Venice, LA	370.7	398.9	Dutch Harbor-Unalaska, AK	129.4	136.1
Reedville, VA	488.0	367.4	Hampton Roads Area, VA	56.8	67.8
Intracoastal City, LA	303.6	358.5	Kodiak, AK	74.4	63.3
Cameron, LA	324.1	349.9	Empire-Venice, LA	59.1	54.3
Kodiak, AK	285.5	250.4	Dulac-Chauvin, LA	60.9	46.2
Pascagoula-Moss Point, MS	196.0	198.5	Brownsville-Port Isabel, TX	59.8	44.1
Los Angeles, CA	219.1	170.1	Key West, FL	40.0	43.2
New Bedford, MA	107.2	108.9	Gloucester, MA	38.0	41.2
Astoria, OR	102.9	106.9	Honolulu, HI	40.0	39.9
Beaufort-Morehead City, NC	67.5	82.0	Homer, AK	29.4	39.4
Moss Landing, CA	56.1	80.9	Portland, ME	33.7	36.3
Gloucester, MA	78.4	78.5	Cape May-Wildwood, NJ	33.1	35.3
Ketchikan, AK	27.0	73.2	Point Judith, RI	33.6	33.6
Sitka, AK	64.4	69.6	Golden Meadow-Leeville, LA	36.9	31.2
Newport, OR	93.2	64.2	Seward, AK	30.5	31.1
Westport, WA	N/A	62.5	Port Arthur, TX	36.8	30.8
Portland, ME	86.4	60.7	Palacios, TX	37.1	30.6
Cape May-Wildwood, NJ	66.5	60.1	Galveston, TX	36.0	28.9
Cordova, AK	78.3	59.2	Sitka, AK	27.9	28.1
Port Hueneme-Oxnard-Ventura, CA	104.8	56.0	Cameron, LA	29.4	27.5
Petersburg, AK	51.2	53.7	Bayou La Batre, AL	38.9	27.4
Point Judith, RI	48.5	48.5	Gulfport-Biloxi, MS	29.1	26.9
Dulac-Chauvin, LA	46.2	42.7	Cordova, AK	32.5	26.2
Ilwaco-Chinook, WA	36.1	42.2	Delcambre, LA	22.6	24.7
Atlantic City, NJ	45.5	41.2	Westport, WA	N/A	24.4
Seward, AK	43.8	38.2	Reedville, VA	27.4	24.2
Point Pleasant, NJ	32.2	34.7	Intracoastal City, LA	22.1	24.1
Homer, AK	23.0	30.5	Astoria, OR	24.3	23.7
Hampton Roads Area, VA	28.1	29.9	Wanchese-Stumpy Point, NC	26.1	23.2
Wanchese-Stumpy Point, NC	31.9	28.7	Atlantic City, NJ	27.2	22.4
Golden Meadow-Leeville, LA	24.1	26.0	Stonington, ME	13.3	21.3
Coos Bay-Charleston, OR	26.8	25.8	Los Angeles, CA	29.8	20.9
Morgan City-Berwick, LA	23.3	25.6	Delacroix-Yscloskey, LA	19.9	20.5
Bellingham, WA	20.1	23.6	Point Pleasant, NJ	18.7	19.7
Rockland, ME	24.7	22.0	Tampa Bay-St. Petersburg, FL	20.2	19.2
Brownsville-Port Isabel, TX	22.4	19.9	Beaufort-Morehead City, NC	17.9	19.1
Kenai, AK	14.4	19.6	Petersburg, AK	22.4	19.0
Honolulu, HI	20.0	17.7	Bellingham, WA	16.3	18.8
Key West, FL	16.4	17.5	Newport, OR	21.2	17.5
Galveston, TX	18.6	17.4	Fort Myers, FL	18.7	16.7
Bayou La Batre, AL	18.0	17.1	Provincetown-Chatham, MA	18.0	15.2
Eureka, CA	9.5	16.4	Pascagoula-Moss Point, MS	16.3	13.9
Delacroix-Yscloskey, LA	13.4	15.5	Grand Isle, LA	15.5	13.2
Provincetown-Chatham, MA	17.1	15.4	Lafitte-Barataria, LA	13.4	13.0
Grand Isle, LA	12.4	15.1	Ketchikan, AK	9.6	12.8
Palacios, TX	16.1	15.1	Bay Center-South Bend, WA	N/A	12.3
Port Arthur, TX	14.6	14.9	Coos Bay-Charleston, OR	12.6	12.3
Gulfport-Biloxi, MS	14.6	14.8	Anacortes-La Conner, WA	3.2	12.0
Monterey, CA	7.5	14.8	Kenai, AK	10.0	11.6

Notes:—To avoid disclosure of private enterprise certain leading ports have not been included to preserve confidentiality. Catches of Alaska pollock, Pacific whiting and other Pacific groundfish caught in the northeast Pacific EEZ of the U.S. and processed at-sea are not attributed to a specific U.S. port. The record landings for quantity and value Dutch Harbor-Unalaska, Ak. 908.1 million pounds in 2002 and \$224.1 million in 1994.

U.S. Commercial Landings

COMMERCIAL LANDINGS OF FISH AND SHELLFISH BY U.S. FISHING CRAFT: BY SPECIES, BY DISTANCE CAUGHT OFF U.S. SHORES AND IN INTERNATIONAL WATERS, 2002 (1)

Species	Distance from U.S. shores				High Seas or off Foreign Shores		Total U.S. Landings	
	0 to 3 miles		3 - 200 miles		Thousand Pounds	Thousand Dollars	Thousand Pounds	Thousand Dollars
	Thousand Pounds	Thousand Dollars	Thousand Pounds	Thousand Dollars				
Fish								
Alewives	2,059	362	-	-	-	-	2,059	362
Anchovies	6,047	370	4,715	253	-	-	10,762	623
Atka mackerel	-	-	83,244	2,525	-	-	83,244	2,525
Bluefish	3,326	1,091	3,647	1,303	-	-	6,973	2,394
Blue runner	127	97	250	104	-	-	377	201
Bonito	70	36	51	45	-	-	121	81
Butterfish	470	288	2,893	1,143	-	-	3,363	1,431
Catfish & bullheads	13,886	7,926	1	1	-	-	13,887	7,927
Chubs	1,813	1,969	-	-	-	-	1,813	1,969
Cod:								
Atlantic	972	1,047	27,969	29,668	-	-	28,941	30,715
Pacific	52,683	11,641	460,144	84,565	-	-	512,827	96,206
Crevalle (jack)	168	119	318	178	-	-	486	297
Croaker:								
Atlantic	14,641	4,974	11,291	2,869	-	-	25,932	7,843
Pacific (white)	52	45	162	141	-	-	214	186
Cusk	8	5	322	198	-	-	330	203
Dolphinfish	73	164	1,866	3,169	287	412	2,226	3,745
Eel, American	608	667	2	1	-	-	610	668
Flounders:								
Arrowtooth	1,274	67	35,298	1,003	-	-	36,572	1,070
Winter (blackback)	1,642	1,781	11,342	12,174	-	-	12,984	13,955
Plaice, American	591	672	6,949	7,951	-	-	7,540	8,623
Summer (fluke)	2,594	4,505	11,659	17,113	-	-	14,253	21,618
Sole:								
Dover	2,522	919	12,146	4,208	-	-	14,668	5,127
Flathead	358	26	28,685	955	-	-	29,043	981
Witch (gray)	255	302	6,776	8,265	-	-	7,031	8,567
Petrale	1,024	953	2,929	2,669	-	-	3,953	3,622
Rock	330	41	64,200	4,796	-	-	64,530	4,837
Yellowfin	-	-	140,269	5,823	-	-	140,269	5,823

(Continued)

See footnotes at end of table

U.S. Commercial Landings

COMMERCIAL LANDINGS OF FISH AND SHELLFISH BY U.S. FISHING CRAFT: BY SPECIES, BY DISTANCE CAUGHT OFF U.S. SHORES AND IN INTERNATIONAL WATERS, 2002 (1)

Species	Distance from U.S. shores		3 - 200 miles		High Seas or off Foreign Shores		Total U.S. Landings	
	0 to 3 miles	Thousand Pounds	Thousand Dollars	Thousand Pounds	Thousand Dollars	Thousand Pounds	Thousand Dollars	
Fish - Continued								
Flounders - Continued:								
Yellowtail	323	358	11,482	12,892	-	-	11,805	13,250
Atlantic/Gulf, other	4,365	7,136	201	105	-	-	4,566	7,241
Pacific, other	2,107	1,674	23,376	5,982	-	-	25,483	7,656
Total flounders	17,385	18,434	355,312	83,936	-	-	372,697	102,370
Goosefish (anglerfish)	2,091	1,533	48,380	36,003	-	-	50,471	37,536
Groupers	586	1,218	12,868	27,243	-	-	13,454	28,461
Haddock	206	240	16,446	18,840	-	-	16,652	19,080
Hakes:								
Pacific (whiting)	-	-	285,714	13,584	-	-	285,714	13,584
Red	70	20	1,937	651	-	-	2,007	671
Silver (Atl. whiting)	211	80	17,411	7,374	-	-	17,622	7,454
White	112	71	7,108	4,502	-	-	7,220	4,573
Halibut	2,764	4,552	79,351	131,168	-	-	82,115	135,720
Herring:								
Sea:								
Atlantic	40,681	2,594	108,495	7,168	-	-	149,176	9,762
Pacific	78,408	11,534	-	-	-	-	78,408	11,534
Thread	5,747	399	-	-	-	-	5,747	399
Jack mackerel	2,176	199	86	8	-	-	2,262	207
Lingcod	185	189	371	366	-	-	556	555
Mackerels:								
Atlantic	12,937	938	47,390	5,845	-	-	60,327	6,783
Chub	7,334	471	372	25	-	-	7,706	496
King and cero	640	877	3,831	5,414	-	-	4,471	6,291
Spanish	1,609	1,053	1,864	1,099	-	-	3,473	2,152
Menhaden:								
Atlantic	385,518	22,086	80,919	4,859	-	-	466,437	26,945
Gulf	1,012,165	61,548	272,007	16,609	-	-	1,284,172	78,157
Total menhaden	1,397,683	83,634	352,926	21,468	-	-	1,750,609	105,102
Mullets	15,606	9,969	3	2	-	-	15,609	9,971
Ocean perch:								
Atlantic	3	2	808	485	-	-	811	487
Pacific	-	-	45,390	4,613	-	-	45,390	4,613

See footnotes at end of table

(Continued)

U.S. Commercial Landings

COMMERCIAL LANDINGS OF FISH AND SHELLFISH BY U.S. FISHING CRAFT: BY SPECIES, BY DISTANCE CAUGHT OFF U.S. SHORES AND IN INTERNATIONAL WATERS, 2002 (1)

Species	Distance from U.S. shores		3 - 200 miles		High Seas or off Foreign Shores		Total U.S. Landings	
	Thousand Pounds	Thousand Dollars	Thousand Pounds	Thousand Dollars	Thousand Pounds	Thousand Dollars	Thousand Pounds	Thousand Dollars
Fish - Continued								
Pollock:								
Atlantic	69	54	7,825	6,146	-	-	7,894	6,200
Walleye (Alaska)	61,037	4,090	3,280,068	199,606	-	-	3,341,105	203,696
Rockfishes:								
Bocaccio	9	6	40	26	-	-	49	32
Canary	4	2	116	54	-	-	120	56
Chilipepper	107	57	248	131	-	-	355	188
Widow	3	2	972	421	-	-	975	423
Yellowtail	12	7	2,646	1,224	-	-	2,658	1,231
Other	3,092	2,435	28,790	13,446	-	-	31,882	15,881
Total rockfishes	3,227	2,509	32,812	15,302	-	-	36,039	17,811
Sablefish	4,614	8,733	36,294	69,548	-	-	40,908	78,281
Salmon:								
Chinook or king	18,420	19,723	6,733	8,634	-	-	25,153	28,357
Chum or keta	111,739	18,436	13	3	-	-	111,752	18,439
Pink	255,652	17,578	175	10	-	-	255,827	17,588
Red or sockeye	135,921	77,309	-	-	-	-	135,921	77,309
Silver or coho	37,584	12,887	942	430	-	-	38,526	13,317
Total salmon	559,316	145,933	7,863	9,077	-	-	567,179	155,010
Sardines:								
Pacific	202,841	10,095	11,567	526	-	-	214,408	10,621
Spanish	1,440	224	-	-	-	-	1,440	224
Scup or porgy	3,304	2,555	4,445	2,708	-	-	7,749	5,263
Sea bass:								
Black (Atlantic)	1,241	1,851	2,963	5,026	-	-	4,204	6,877
White (Pacific)	142	234	286	474	-	-	428	708
Sea trout or weakfish:								
Gray	2,816	1,915	1,949	1,149	-	-	4,765	3,064
Spotted	373	590	1	1	-	-	374	591
Sand (white)	100	72	45	14	-	-	145	86
Shads:								
American	1,646	947	209	84	-	-	1,855	1,031
Hickory	93	32	1	(2)	-	-	94	32

See footnotes at end of table

(Continued)

U.S. Commercial Landings

COMMERCIAL LANDINGS OF FISH AND SHELLFISH BY U.S. FISHING CRAFT: BY SPECIES, BY DISTANCE CAUGHT OFF U.S. SHORES AND IN INTERNATIONAL WATERS, 2002 (1)

Species	Distance from U.S. shores				High Seas or off Foreign Shores		Total U.S. Landings	
	0 to 3 miles		3 - 200 miles		Thousand Pounds	Thousand Dollars	Thousand Pounds	Thousand Dollars
	Thousand Pounds	Thousand Dollars	Thousand Pounds	Thousand Dollars				
Fish - Continued								
Sharks:								
Dogfish	3,305	648	5,208	1,265	-	-	8,513	1,913
Other	1,216	841	7,643	5,424	100	47	8,959	6,312
Sheepshead (Atlantic)	2,439	828	10	4	-	-	2,449	832
Skates	7,482	1,000	28,122	3,126	-	-	35,604	4,126
Smelts	1,519	881	203	3	-	-	1,722	884
Snappers:								
Red	1	2	4,521	10,194	-	-	4,522	10,196
Vermillion	(2)	1	2,161	4,516	-	-	2,161	4,517
Unclassified	300	750	3,673	7,911	-	-	3,973	8,661
Spearfish	28	34	1,179	1,447	606	807	1,813	2,288
Spot	5,376	2,251	109	47	-	-	5,485	2,298
Striped bass	6,158	10,792	156	265	-	-	6,314	11,057
Swordfish	188	317	6,613	13,576	1,841	3,213	8,642	17,106
Tenpounder (ladyfish)	1,445	1,022	-	-	-	-	1,445	1,022
Tilefish	5	7	3,128	5,397	-	-	3,133	5,404
Trout, Rainbow	321	153	-	-	-	-	321	153
Tuna:								
Albacore	618	420	22,567	15,015	15,590	11,604	38,775	27,039
Bigeye	27	66	7,336	19,104	20,246	19,582	27,609	38,752
Bluefin	114	405	2,579	15,090	70	140	2,763	15,635
Little tunny	191	43	728	164	-	-	919	207
Skipjack	55	71	890	1,121	197,377	65,153	198,322	66,345
Yellowfin	175	404	7,215	18,330	64,990	33,459	72,380	52,193
Unclassified	7	16	133	195	2	5	142	216
Total tuna	1,187	1,425	41,448	69,019	298,275	129,943	340,910	200,387
Whitefish, lake	9,344	8,273	-	-	-	-	9,344	8,273
Wolfish, Atlantic	6	3	335	171	-	-	341	174
Yellow perch	1,512	3,287	-	-	-	-	1,512	3,287
Other marine finfishes	24,953	15,831	19,815	11,008	965	1,369	45,733	28,208
Other freshwater finfishes	19,750	5,915	-	-	-	-	19,750	5,915
Total finfish	2,612,231	402,903	5,493,590	938,991	302,074	135,791	8,407,895	1,477,685

See footnotes at end of table

(Continued)

U.S. Commercial Landings

COMMERCIAL LANDINGS OF FISH AND SHELLFISH BY U.S. FISHING CRAFT: BY SPECIES, BY DISTANCE CAUGHT OFF U.S. SHORES AND IN INTERNATIONAL WATERS, 2002 (1)

Species	Distance from U.S. shores		3 - 200 miles		High Seas or off Foreign Shores		Total U.S. Landings	
	Thousand Pounds	Thousand Dollars	Thousand Pounds	Thousand Dollars	Thousand Pounds	Thousand Dollars	Thousand Pounds	Thousand Dollars
Shellfish								
Clams:								
Quahog (hard)	10,931	46,606	-	-	-	-	10,931	46,606
Geoduck (Pacific)	1,900	22,480	-	-	-	-	1,900	22,480
Manila (Pacific)	863	10,480	-	-	-	-	863	10,480
Ocean quahog	4,533	3,894	35,468	21,597	-	-	40,001	25,491
Softshell	3,161	16,828	-	-	-	-	3,161	16,828
Surf (Atlantic)	32,306	18,162	39,686	21,606	-	-	71,992	39,768
Other	1,228	5,562	-	-	-	-	1,228	5,562
Total clams	54,922	124,012	75,154	43,203	-	-	130,076	167,215
Conch (snails)	1,702	2,443	461	1,024	-	-	2,163	3,467
Crabs:								
Blue: Hard	172,185	129,629	1	1	-	-	172,186	129,630
Soft or peeler	5,518	18,383	-	-	-	-	5,518	18,383
Dungeness	45,477	74,383	3,431	5,583	-	-	48,908	79,966
Jonah	1,629	942	997	580	-	-	2,626	1,522
King	1,474	5,852	15,319	78,904	-	-	16,793	84,756
Snow (tanner):								
Opilio	-	-	31,936	43,977	-	-	31,936	43,977
Bairdi	1,230	2,321	72	146	-	-	1,302	2,467
Other	12,317	10,014	16,015	26,980	-	-	28,332	36,994
Total crabs	239,830	241,524	67,771	156,171	-	-	307,601	397,695
Crawfish, freshwater	15,707	8,194	-	-	-	-	15,707	8,194
Horseshoe crab	2,476	596	583	127	-	-	3,059	723
Lobsters:								
American	74,305	259,405	7,947	33,924	-	-	82,252	293,329
Spiny	2,115	11,337	3,073	14,259	-	-	5,188	25,596
Mussels, blue (sea)	4,846	5,766	-	-	-	-	4,846	5,766
Oysters	34,397	89,071	-	-	-	-	34,397	89,071

(Continued)

See footnotes at end of table

U.S. Commercial Landings

COMMERCIAL LANDINGS OF FISH AND SHELLFISH BY U.S. FISHING CRAFT: BY SPECIES, BY DISTANCE CAUGHT OFF U.S. SHORES AND IN INTERNATIONAL WATERS, 2002 (1)

Species	Distance from U.S. shores				High Seas or off Foreign Shores		Total U.S. Landings	
	0 to 3 miles		3 - 200 miles		Thousand Pounds	Thousand Dollars	Thousand Pounds	Thousand Dollars
Shellfish - Continued	Thousand Pounds	Thousand Dollars	Thousand Pounds	Thousand Dollars	Thousand Pounds	Thousand Dollars	Thousand Pounds	Thousand Dollars
Scallops:								
Bay	22	131	-	-	-	-	22	131
Calico, Atlantic Sea	(3)	(3)	(3)	(3)	-	-	(3)	(3)
	305	1,731	52,751	201,976	-	-	53,056	203,707
Shrimp:								
New England	299	320	716	873	-	-	1,015	1,193
South Atlantic	23,506	50,572	2,912	5,832	-	-	26,418	56,404
Gulf	120,818	174,266	108,658	204,209	-	-	229,476	378,475
Pacific	13,385	8,800	46,493	16,003	-	-	59,878	24,803
Other	-	-	(2)	3	-	-	(2)	3
Total shrimp	158,008	233,958	158,779	226,920	-	-	316,787	460,878
Squid:								
Atlantic:								
Illex	109	27	5,953	1,418	-	-	6,062	1,445
Loligo	5,471	3,442	31,311	20,087	-	-	36,782	23,529
Pacific:								
Loligo	151,028	17,164	9,640	1,096	-	-	160,668	18,260
Unclassified	93	58	1,928	254	-	-	2,021	312
Total, squid	156,701	20,691	48,832	22,855	-	-	205,533	43,546
Other shellfish	16,705	6,177	1,198	930	-	-	17,903	7,107
Total shellfish	762,041	1,005,036	416,549	701,389	-	-	1,178,590	1,706,425
Other								
Sea urchins	23,428	17,738	-	-	-	-	23,428	17,738
Seaweed, unclassified	103,909	122	-	-	-	-	103,909	122
Kelp (with herring eggs)	132	681	-	-	-	-	132	681
Worms	1,118	7,959	-	-	-	-	1,118	7,959
	128,587	26,500	-	-	-	-	128,587	26,500
Grand total, 2002	3,502,859	1,434,439	5,910,139	1,640,380	302,074	135,791	9,715,072	3,210,610
Grand total, 2001	3,698,237	1,456,651	5,810,569	1,753,467	288,573	133,577	9,797,383	3,343,747

(1) Landings are reported in round (live) weight for all items except univalve and bivalve mollusks, such as clams, oysters, and scallops, which are reported in weight of meats (excluding the shell). The National Marine Fisheries Service estimated the distance-from-shore landings for data collected by the Service and States. Includes landings from the Great Lakes and other inland waters, but excludes Mississippi River Drainage Area States.

(2) Less than 500 LB or \$500. (3) Data are confidential and included with other shellfish.

NOTE:—Data are preliminary. Totals may not agree due to roundings. Data include landings by U.S.-flag vessels at Puerto Rico and other ports outside the 50 States. Therefore, they will not agree with "U.S. Commercial Landings" tables beginning on page 1. Data do not include aquaculture products, except oysters or clams.

U.S. Commercial Landings

COMMERCIAL LANDINGS OF FISH AND SHELLFISH BY U.S. FISHING CRAFT: BY SPECIES, BY DISTANCE CAUGHT, OFF U.S. SHORES AND IN INTERNATIONAL WATERS, 2002 (1)

Species	Distance from U.S. shores		3 to 200 miles		High Seas or off Foreign Shores		Total U.S. Landings	
	0 to 3 miles		Metric Tons	Thousand Dollars	Metric Tons	Thousand Dollars	Metric Tons	Thousand Dollars
	Metric Tons	Thousand Dollars	Metric Tons	Thousand Dollars	Metric Tons	Thousand Dollars	Metric Tons	Thousand Dollars
Fish								
Alewives	934	362	-	-	-	-	934	362
Anchovies	2,743	370	2,139	253	-	-	4,882	623
Atka mackerel	-	-	37,759	2,525	-	-	37,759	2,525
Bluefish	1,509	1,091	1,654	1,303	-	-	3,163	2,394
Blue runner	58	97	113	104	-	-	171	201
Bonito	32	36	23	45	-	-	55	81
Butterfish	213	288	1,312	1,143	-	-	1,525	1,431
Catfish & bullheads	6,299	7,926	(2)	1	-	-	6,299	7,927
Chubs	822	1,969	-	-	-	-	822	1,969
Cod:								
Atlantic	441	1,047	12,687	29,668	-	-	13,128	30,715
Pacific	23,897	11,641	208,720	84,565	-	-	232,617	96,206
Crevalle (jack)	76	119	144	178	-	-	220	297
Croaker:								
Atlantic	6,641	4,974	5,122	2,869	-	-	11,763	7,843
Pacific (white)	24	45	73	141	-	-	97	186
Cusk	4	5	146	198	-	-	150	203
Dolphinfish	33	164	846	3,169	130	412	1,010	3,745
Eel, American	276	667	1	1	-	-	277	668
Flounders:								
Arrowtooth	578	67	16,011	1,003	-	-	16,589	1,070
Winter (blackback)	745	1,781	5,145	12,174	-	-	5,890	13,955
Plaice, American	268	672	3,152	7,951	-	-	3,420	8,623
Summer (fluke)	1,177	4,505	5,288	17,113	-	-	6,465	21,618
Sole:								
Dover	1,144	919	5,509	4,208	-	-	6,653	5,127
Flathead	162	26	13,011	955	-	-	13,174	981
Witch (gray)	116	302	3,074	8,265	-	-	3,189	8,567
Petrale	464	953	1,329	2,669	-	-	1,793	3,622
Rock	150	41	29,121	4,796	-	-	29,271	4,837
Yellowfin	-	-	63,626	5,823	-	-	63,626	5,823

(Continued)

See footnotes at end of table

U.S. Commercial Landings

COMMERCIAL LANDINGS OF FISH AND SHELLFISH BY U.S. FISHING CRAFT: BY SPECIES, BY DISTANCE CAUGHT OFF U.S. SHORES AND IN INTERNATIONAL WATERS, 2002 (1)

Species	Distance from U.S. shores				High Seas or off Foreign Shores		Total U.S. Landings	
	0 to 3 miles		3 to 200 miles		Metric Tons	Thousand Dollars	Metric Tons	Thousand Dollars
	Metric Tons	Thousand Dollars	Metric Tons	Thousand Dollars				
Fish - Continued								
Flounders - Continued:								
Yellowtail	147	358	5,208	12,892	-	-	5,355	13,250
Atlantic/Gulf, other	1,980	7,136	91	105	-	-	2,071	7,241
Pacific, other	956	1,674	10,603	5,982	-	-	11,559	7,656
Total Flounders	7,886	18,434	161,168	83,936	-	-	169,054	102,370
Goosefish (anglerfish)	948	1,533	21,945	36,003	-	-	22,893	37,536
Groupers	266	1,218	5,837	27,243	-	-	6,103	28,461
Haddock	93	240	7,460	18,840	-	-	7,553	19,080
Hakes:								
Pacific (whiting)	-	-	129,599	13,584	-	-	129,599	13,584
Red	32	20	879	651	-	-	910	671
Silver (Atl. whiting)	96	80	7,898	7,374	-	-	7,993	7,454
White	51	71	3,224	4,502	-	-	3,275	4,573
Halibut	1,254	4,552	35,993	131,168	-	-	37,247	135,720
Herring:								
Sea:								
Atlantic	18,453	2,594	49,213	7,168	-	-	67,666	9,762
Pacific	35,566	11,534	-	-	-	-	35,566	11,534
Thread	2,607	399	-	-	-	-	2,607	399
Jack mackerel	987	199	39	8	-	-	1,026	207
Lingcod	84	189	168	366	-	-	252	555
Mackerels:								
Atlantic	5,868	938	21,496	5,845	-	-	27,364	6,783
Chub	3,327	471	169	25	-	-	3,495	496
King and cero	290	877	1,738	5,414	-	-	2,028	6,291
Spanish	730	1,053	846	1,099	-	-	1,575	2,152
Menhaden:								
Atlantic	174,870	22,086	36,705	4,859	-	-	211,574	26,945
Gulf	459,115	61,548	123,382	16,609	-	-	582,497	78,157
Total menhaden	633,985	83,634	160,086	21,468	-	-	794,071	105,102
Mulletts	7,079	9,969	1	2	-	-	7,080	9,971
Ocean perch:								
Atlantic	1	2	367	485	-	-	368	487
Pacific	-	-	20,589	4,613	-	-	20,589	4,613

See footnotes at end of table

(Continued)

U.S. Commercial Landings

COMMERCIAL LANDINGS OF FISH AND SHELLFISH BY U.S. FISHING CRAFT: BY SPECIES, BY DISTANCE CAUGHT, OFF U.S. SHORES AND IN INTERNATIONAL WATERS, 2002 (1)

Species	Distance from U.S. shores		3 to 200 miles		High Seas or off Foreign Shores		Total U.S. Landings	
	Metric Tons	Thousand Dollars	Metric Tons	Thousand Dollars	Metric Tons	Thousand Dollars	Metric Tons	Thousand Dollars
Fish - Continued								
Pollock:								
Atlantic	31	54	3,549	6,146	-	-	3,581	6,200
Walleye (Alaska)	27,686	4,090	1,487,829	199,606	-	-	1,515,515	203,696
Rockfishes:								
Bocaccio	4	6	18	26	-	-	22	32
Canary	2	2	53	54	-	-	54	56
Chilipepper	49	57	112	131	-	-	161	188
Widow	1	2	441	421	-	-	442	423
Yellowtail	5	7	1,200	1,224	-	-	1,206	1,231
Other	1,403	2,435	13,059	13,446	-	-	14,462	15,881
Total rockfishes	1,464	2,509	14,883	15,302	-	-	16,347	17,811
Sablefish	2,093	8,733	16,463	69,548	-	-	18,556	78,281
Salmon:								
Chinook or king	8,355	19,723	3,054	8,634	-	-	11,409	28,357
Chum or keta	50,684	18,436	6	3	-	-	50,690	18,439
Pink	115,963	17,578	79	10	-	-	116,042	17,588
Red or sockeye	61,653	77,309	-	-	-	-	61,653	77,309
Silver or coho	17,048	12,887	427	430	-	-	17,475	13,317
Total salmon	253,704	145,933	3,567	9,077	-	-	257,271	155,010
Sardines:								
Pacific	92,008	10,095	5,247	526	-	-	97,255	10,621
Spanish	653	224	-	-	-	-	653	224
Scup or porgy	1,499	2,555	2,016	2,708	-	-	3,515	5,263
Sea bass:								
Black (Atlantic)	563	1,851	1,344	5,026	-	-	1,907	6,877
White (Pacific)	64	234	130	474	-	-	194	708
Sea trout or weakfish:								
Gray	1,277	1,915	884	1,149	-	-	2,161	3,064
Spotted	169	590	(2)	1	-	-	169	591
Sand (white)	45	72	20	14	-	-	66	86
Shads:								
American	747	947	95	84	-	-	841	1,031
Hickory	42	32	(2)	(2)	-	-	42	32

(Continued)

See footnotes at end of table

U.S. Commercial Landings

COMMERCIAL LANDINGS OF FISH AND SHELLFISH BY U.S. FISHING CRAFT: BY SPECIES, BY DISTANCE CAUGHT, OFF U.S. SHORES AND IN INTERNATIONAL WATERS, 2002 (1)

Species	Distance from U.S. shores				High Seas or off Foreign Shores		Total U.S. Landings	
	0 to 3 miles		3 to 200 miles		Metric Tons	Thousand Dollats	Metric Tons	Thousand Dollats
	Metric Tons	Thousand Dollats	Metric Tons	Thousand Dollats				
Fish - Continued								
Sharks:								
Dogfish	1,499	648	2,362	1,265	-	-	3,861	1,913
Other	552	841	3,467	5,424	45	47	4,064	6,312
Sheepshead (Atlantic)	1,106	828	5	4	-	-	1,111	832
Skates	3,394	1,000	12,756	3,126	-	-	16,150	4,126
Smelts	689	881	92	3	-	-	781	884
Snappers:								
Red	(2)	2	2,051	10,194	-	-	2,051	10,196
Vermillion	(2)	1	980	4,516	-	-	980	4,517
Unclassified	136	750	1,666	7,911	-	-	1,802	8,661
Spearfish	13	34	535	1,447	275	807	822	2,288
Spot	2,439	2,251	49	47	-	-	2,488	2,298
Striped bass	2,793	10,792	71	265	-	-	2,864	11,057
Swordfish	85	317	3,000	13,576	835	3,213	3,920	17,106
Tenpounder (ladyfish)	655	1,022	-	-	-	-	655	1,022
Tilefish	2	7	1,419	5,397	-	-	1,421	5,404
Trout, Rainbow	146	153	-	-	-	-	146	153
Tuna:								
Albacore	280	420	10,236	15,015	7,072	11,604	17,588	27,039
Bigeye	12	66	3,328	19,104	9,184	19,582	12,523	38,752
Bluefin	52	405	1,170	15,090	32	140	1,253	15,635
Little tunny	87	43	330	164	-	-	417	207
Skipjack	25	71	404	1,121	89,530	65,153	89,958	66,345
Yellowfin	79	404	3,273	18,330	29,479	33,459	32,831	52,193
Unclassified	3	16	60	195	(2)	5	64	216
Total tuna	538	1,425	18,801	69,019	135,297	129,943	154,635	200,387
Whitefish, lake	4,238	8,273	-	-	-	-	4,238	8,273
Wolffish, Atlantic	3	3	152	171	-	-	155	174
Yellow perch	686	3,287	-	-	-	-	686	3,287
Other marine finfishes	11,319	15,831	8,988	11,008	438	1,369	20,744	28,208
Other freshwater finfishes	8,959	5,915	-	-	-	-	8,959	5,915
Total finfish	1,184,900	402,903	2,491,876	938,991	137,020	135,791	3,813,796	1,477,685

See footnotes at end of table (Continued)

U.S. Commercial Landings

COMMERCIAL LANDINGS OF FISH AND SHELLFISH BY U.S. FISHING CRAFT: BY SPECIES, BY DISTANCE CAUGHT, OFF U.S. SHORES AND IN INTERNATIONAL WATERS, 2002 (1)

Species	Distance from U.S. shores		3 to 200 miles		High Seas or off Foreign Shores		Total U.S. Landings	
	Metric Tons	Thousand Dollars	Metric Tons	Thousand Dollars	Metric Tons	Thousand Dollars	Metric Tons	Thousand Dollars
Shellfish								
Clams:								
Quahog (hard)	4,958	46,606	-	-	-	-	4,958	46,606
Geoduck (Pacific)	862	22,480	-	-	-	-	862	22,480
Manila (Pacific)	391	10,480	-	-	-	-	391	10,480
Ocean quahog	2,056	3,894	16,088	21,597	-	-	18,144	25,491
Softshell	1,434	16,828	-	-	-	-	1,434	16,828
Surf (Atlantic)	14,654	18,162	18,001	21,606	-	-	32,655	39,768
Other	557	5,562	-	-	-	-	557	5,562
Total clams	24,912	124,012	34,090	43,203	-	-	59,002	167,215
Conch (snails)	772	2,443	209	1,024	-	-	981	3,467
Crabs:								
Blue: Hard	78,103	129,629	(2)	1	-	-	78,103	129,630
Soft or peeler	2,503	18,383	-	-	-	-	2,503	18,383
Dungeness	20,628	74,383	1,556	5,583	-	-	22,185	79,966
Jonah	739	942	452	580	-	-	1,191	1,522
King	669	5,852	6,949	78,904	-	-	7,617	84,756
Snow (tanner):								
Opilio	-	-	14,486	43,977	-	-	14,486	43,977
Bairdi	558	2,321	33	146	-	-	591	2,467
Other	5,587	10,014	7,264	26,980	-	-	12,851	36,994
Total crabs	108,786	241,524	30,741	156,171	-	-	139,526	397,695
Crawfish, freshwater	7,125	8,194	-	-	-	-	7,125	8,194
Horseshoe crab	1,123	596	264	127	-	-	1,388	723
Lobsters:								
American	33,705	259,405	3,605	33,924	-	-	37,309	293,329
Spiny	959	11,337	1,394	14,259	-	-	2,353	25,596
Mussels, blue (sea)	2,198	5,766	-	-	-	-	2,198	5,766
Oysters	15,602	89,071	-	-	-	-	15,602	89,071

(Continued)

See footnotes at end of table.

U.S. Commercial Landings

COMMERCIAL LANDINGS OF FISH AND SHELLFISH BY U.S. FISHING CRAFT: BY SPECIES, BY DISTANCE CAUGHT OFF U.S. SHORES AND IN INTERNATIONAL WATERS, 2002 (1)

Species	Distance from U.S. shores				High Seas or off Foreign Shores		Total U.S. Landings	
	0 to 3 miles		3 to 200 miles		Metric Tons	Thousand Dollars	Metric Tons	Thousand Dollars
	Metric Tons	Thousand Dollars	Metric Tons	Thousand Dollars				
Shellfish - Continued								
Scallops: Bay.	10	131	-	-	-	-	10	131
Calico, Atlantic Sea	(3)	(3)	(3)	(3)	-	-	(3)	(3)
	138	1,731	23,928	201,976	-	-	24,066	203,707
Shrimp:								
New England	136	320	325	873	-	-	460	1,193
South Atlantic Gulf	10,662	50,572	1,321	5,832	-	-	11,983	56,404
Pacific	54,803	174,266	49,287	204,209	-	-	104,090	378,475
Other	6,071	8,800	21,089	16,003	-	-	27,160	24,803
	-	-	(2)	3	-	-	(2)	3
Total shrimp	71,672	233,958	72,022	226,920	-	-	143,694	460,878
Squid:								
Atlantic: Illex	49	27	2,700	1,418	-	-	2,750	1,445
Lolligo Pacific:	2,482	3,442	14,203	20,087	-	-	16,684	23,529
Loligo Unclassified	68,506	17,164	4,373	1,096	-	-	72,879	312
	42	58	875	254	-	-	917	312
Total, squid	71,079	20,691	22,150	22,855	-	-	93,229	43,546
Other shellfish	7,577	6,177	543	930	-	-	8,121	7,107
Total shellfish	345,660	1,005,036	188,945	701,389	-	-	534,605	1,706,425
Other								
Sea urchins	10,627	17,738	-	-	-	-	10,627	17,738
Seaweed, unclassified	47,133	122	-	-	-	-	47,133	122
Kelp (with herring eggs)	60	681	-	-	-	-	60	681
Worms	507	7,959	-	-	-	-	507	7,959
Total other	58,327	26,500	-	-	-	-	58,327	26,500
Grand total, 2002	1,588,886	1,434,439	2,680,821	1,640,380	137,020	135,791	4,406,728	3,210,610
Grand total, 2001	1,677,509	1,456,651	2,635,657	1,753,467	130,896	133,577	4,444,062	3,343,747

(1) Landings are reported in round (live) weight for all items except univalve and bivalve mollusks, such as clams, oysters, and scallops, which are reported in weight of meats (excluding the shell). The National Marine Fisheries Service estimated the distance-from-shore landings for data collected by the Service and States. Includes landings from the Great Lakes and other inland waters, but excludes Mississippi River Drainage Area States.

(2) Less than .5 MT or \$500. (3) Data are confidential and included with other shellfish.

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U.S. Commercial Landings

DOMESTIC LANDINGS FOR U.S. TERRITORIAL POSSESSIONS, 2002 (1)

Group / Species	Puerto Rico		Guam	
	<u>Pounds</u>	<u>Dollars</u>	<u>Pounds</u>	<u>Dollars</u>
Fish				
Ballyhoo	68,047	83,358	-	-
Barracuda	24,599	39,561	4,354	8,136
Billfish:				
Marlin	-	-	29,273	35,592
Sailfish	-	-	1,816	2,175
Spearfish	-	-	184	208
Dolphin (Mahi mahi)	100,636	182,306	79,820	131,758
Emperors	-	-	5,952	16,127
Goatfish	19,014	36,961	57	143
Groupers:				
Red hind	81,236	174,633	-	-
Nassau	18,746	34,503	-	-
Other	79,267	161,659	1,186	3,517
Grunts:				
Margate	38	74	-	-
Other	147,359	188,762	-	-
Hogfish	68,613	158,393	-	-
Jacks:				
Amberjack	-	-	361	877
Bigeye Scad	-	-	4,690	11,071
Black jack	-	-	5	13
Rainbow Runner	101	169	6,955	12,935
Other	102,677	146,977	4,169	10,472
Mackerel, king and cero	171,323	317,421	-	-
Mojarra	21,195	35,365	-	-
Mullet	57,150	71,180	68	136
Parrotfish	107,485	125,677	479	1,173
Pomfrets	-	-	409	943
Rabbitfish	-	-	1,761	6,203
Scup or porgy	37,866	52,330	-	-
Sharks, other	38,542	57,350	21	57
Snappers:				
Ehu	-	-	502	1,998
Gindai (Flower Snap)	-	-	405	1,610
Kalikali	-	-	592	1,796
Lane	184,701	383,483	-	-
Lehi	-	-	777	3,086
Mutton	91,907	189,654	-	-
Onaga	-	-	2,834	12,929
Opakapaka	-	-	697	2,789
Silk	198,190	597,554	-	-
Uku (Gray Snapper)	-	-	752	1,945
Yellowtail	291,145	619,628	-	-
Other	206,343	552,443	1,105	2,792
Total snappers	972,286	2,342,762	7,664	28,945
Snook	45,163	79,218	-	-
Squirrelfish	16,106	20,717	-	-
Surgeonfishes:				
Unicornfish	-	-	10,408	27,096
Other	-	-	1,006	2,570
Tarpon	4,492	6,721	-	-
Triggerfish	53,797	81,897	-	-
Trunkfish (boxfish)	79,181	149,857	-	-

(Continued)

U.S. Commercial Landings

DOMESTIC LANDINGS FOR U.S. TERRITORIAL POSSESSIONS, 2002 (1) - Continued

Group / Species	Puerto Rico		Guam	
	Pounds	Dollars	Pounds	Dollars
Fish				
Tuna:				
Dogtooth	-	-	2,947	3,987
Kawakawa	-	-	-	-
Skipjack	-	-	104,182	122,038
Yellowfin	-	-	29,732	55,324
Unclassified	120,461	140,717	689	723
Total tuna	120,461	140,717	137,550	182,072
Wahoo	1,095	2,499	48,802	98,014
Wrasse (Hogfish)	-	-	799	2,040
Other marine finfishes	254,645	462,134	157,374	446,694
Total fish	2,691,120	5,153,201	505,163	1,028,967
Shellfish, et al				
Crabs, other	10,624	37,859	-	-
Lobster, spiny	301,389	1,685,332	1,541	5,808
Conch (snail) meats	235,697	545,409	-	-
Octopus	28,663	75,536	3,623	10,130
Shellfish, other	7,940	24,669	76	202
Total shellfish, et al.	584,313	2,368,805	5,240	16,140
Grand total	3,275,433	7,522,006	510,403	1,045,107
Group / Species	American Samoa		Northern Marianas Islands	
Fish	Pounds	Dollars	Pounds	Dollars
Barracudas	1,811	2,938	59	162
Billfishes:				
Marlin	44,352	45,221	1,824	2,823
Sailfish	1,751	1,894	18	35
Dolphin (mahimahi)	29,848	51,109	18,644	35,857
Emperors				
Longnose	488	976	-	-
Redgill	125	250	-	-
Others	12,187	24,380	5,766	16,872
Goatfish	494	988	850	2,608
Groupers:				
Lunartail	667	1,210	-	-
Other	2,129	4,307	4,855	10,488
Jacks:				
Bigeye Scad	374	561	21,030	55,202
Bigeye trevally	739	1,624	-	-
Black jack	309	679	-	-
Rainbow runner	1,223	2,141	1,125	2,266
Rudderfish	70	124	308	1,029
Other	261	457	3,512	8,123
Moonfish (Opah)	-	-	-	-
Mullet	-	-	77	193
Oilfish	-	-	-	-
Parrotfishes	2,760	5,365	4,683	14,988
Pomfrets	17	17	273	560
Rabbitfish	30	59	8,214	26,973
Snappers:				
Blue lined snapper	7,030	14,060	-	-
Ehu	1,208	3,078	263	798
Gindai (flower snapper)	39	107	2,736	8243

(Continued)

U.S. Commercial Landings

DOMESTIC LANDINGS FOR U.S. TERRITORIAL POSSESSIONS, 2002 (1) - Continued

Group / Species	American Samoa		Northern Marianas Islands	
	<u>Pounds</u>	<u>Dollars</u>	<u>Pounds</u>	<u>Dollars</u>
<u>Fish</u>				
Gray jobfish	2,816	5,182	390	941
Humpback	2,087	4,208	29	73
Lehi (silverjaw)	4,978	11,806	3,367	9,725
Onaga	1,112	2,804	11,798	40,825
Opakapaka	15	14	3,978	13,217
Yellow opakapaka	1,634	6,092	-	-
Snappers, other	271	508	518	1,491
Total snappers	21,190	47,859	23,079	75,313
Squirrelfish	1,374	2,656	400	1,281
Surgeonfishes:				
Unicornfishes	893	1,154	1,755	5,185
Other	3,782	7,137	2,163	6,590
Swordfish	2,822	6,067	-	-
Tunas:				
Albacore	12,238,536	11,394,839	-	-
Bigeye	343,049	195,761	-	-
Dogtooth	129	157	10,761	18,814
Kawakawa	8	17	2,523	4,994
Skipjack	378,197	149,688	160,654	323,657
Yellowfin	1,002,893	775,548	26,304	55,641
Other	-	-	-	-
Total, tuna	13,962,812	12,516,010	200,242	403,106
Wahoo	238,231	234,675	8,172	17,192
Wrasses	-	-	295	872
Other finfishes	2,555	3,212	125,224	318,325
Total fish	14,333,294	12,963,070	432,568	1,006,043
<u>Shellfish, et al</u>				
Crabs	-	-	-	-
Lobster, spiny	736	2,501	3,546	20,156
Octopus	69	207	1,297	2,901
Shellfish, other	-	-	59	317
Total shellfish, et al.	805	2,708	4,902	23,374
Grand total	14,334,099	12,965,778	437,470	1,029,417

(1) Data in this table are preliminary and represent the latest information available.

U.S. Commercial Landings

ESTIMATED U.S. AQUACULTURE PRODUCTION, 1996 - 2001

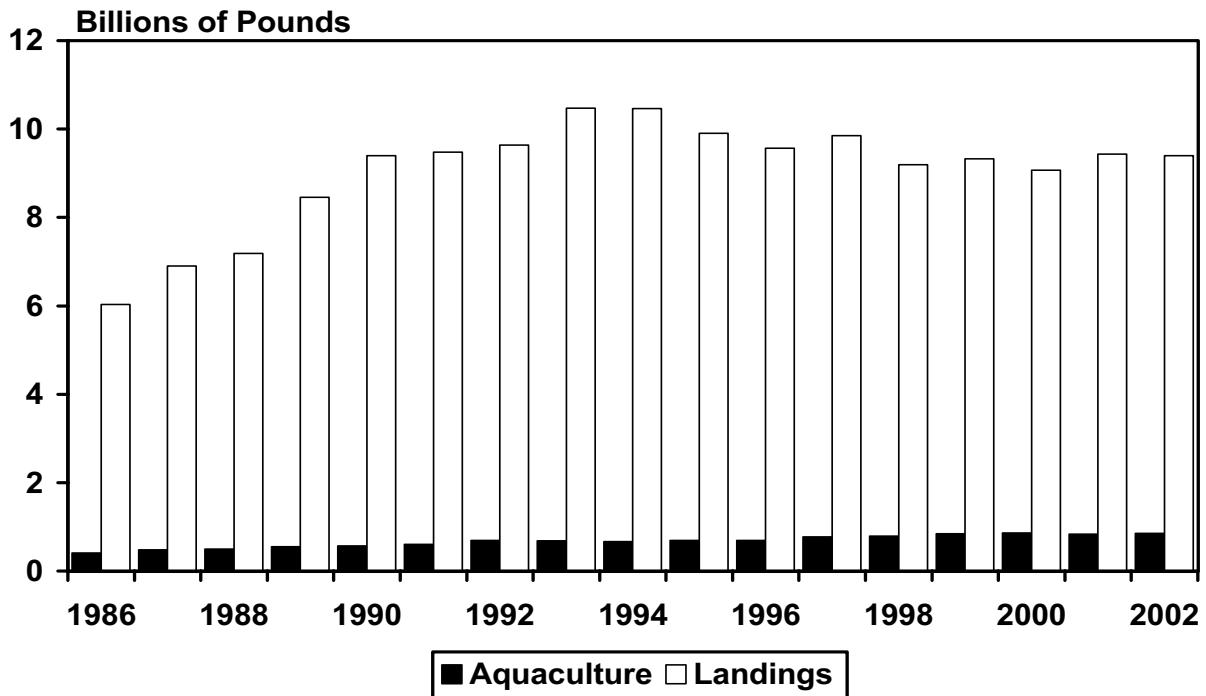
Species	1996			1997		
	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>
Finfish:						
Baitfish	20,849	9,457	70,254	19,929	9,040	73,580
Catfish	472,123	214,154	364,951	524,949	238,115	372,497
Salmon	30,657	13,906	60,995	39,745	18,028	65,053
Striped bass	7,850	3,561	20,308	8,400	3,810	21,783
Tilapia	15,965	7,242	23,948	16,860	7,648	29,505
Trout	53,620	24,322	56,958	56,710	25,723	60,212
Shellfish:						
Clams	3,834	1,739	20,315	9,243	4,193	26,753
Crawfish	46,584	21,130	34,820	49,232	22,331	29,300
Mussels	986	447	5,085	597	271	3,365
Oysters	18,546	8,412	64,368	15,737	7,138	39,031
Shrimp	2,866	1,300	11,464	2,646	1,200	10,582
Miscellaneous	19,813	8,987	152,169	22,625	9,930	177,994
Totals	693,693	314,657	885,635	766,673	347,761	909,655
Species	1998			1999		
	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>
Finfish:						
Baitfish	16,389	7,434	57,392	16,389	7,434	57,392
Catfish	564,355	255,990	419,094	596,628	270,629	438,936
Salmon	32,017	14,523	62,694	39,114	17,742	76,778
Striped bass	9,385	4,257	24,128	9,734	4,415	21,927
Tilapia	18,191	8,251	27,287	17,750	8,051	26,625
Trout	55,103	24,995	59,710	60,283	27,344	64,954
Shellfish:						
Clams	9,735	4,416	29,612	10,683	4,846	42,051
Crawfish	37,945	17,212	23,649	42,889	19,454	28,267
Mussels	527	239	2,801	531	241	799
Oysters	18,157	8,236	47,951	18,662	8,465	55,635
Shrimp	4,409	2,000	17,637	4,625	2,098	13,706
Miscellaneous	23,495	10,657	166,688	24,334	11,038	160,010
Totals	789,708	358,209	938,643	841,622	381,757	987,080
Species	2000			2001		
	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>
Finfish:						
Baitfish	13,954	6,329	45,790	13,954	6,329	45,790
Catfish	593,603	269,257	445,919	597,108	270,846	386,329
Salmon	49,372	22,395	99,208	45,787	20,769	72,019
Striped bass	11,237	5,097	29,513	10,903	4,946	28,520
Tilapia	20,000	9,072	30,000	17,600	7,983	30,000
Trout	59,164	26,837	63,690	56,908	25,813	64,482
Shellfish:						
Clams	9,929	4,504	32,595	9,975	4,525	35,404
Crawfish	17,025	7,722	27,626	30,527	13,847	40,545
Mussels	424	192	525	669	303	1,169
Oysters	16,822	7,630	42,419	16,818	7,629	39,886
Shrimp	4,782	2,169	14,559	7,953	3,607	27,808
Miscellaneous	26,207	11,887	140,989	10,741	4,872	162,714
Totals	822,519	373,092	972,833	818,943	371,470	934,666

Note:--Table may not add due to rounding. Clams, oysters and mussels are reported as meat weights while other species are reported as whole (live) weights. Some clam and oyster aquaculture production are reported with U.S. commercial landings. Weights and values represent the final sales of products to processors and dealers. "Miscellaneous" includes ornamental/tropical fish, alligators, algae, aquatic plants, eels, scallops, crabs, and others. The high value and low production of "Miscellaneous" occurs because production value, but not weight, are reported for many species; this is evident when 2001 data are compared to 2000 production.

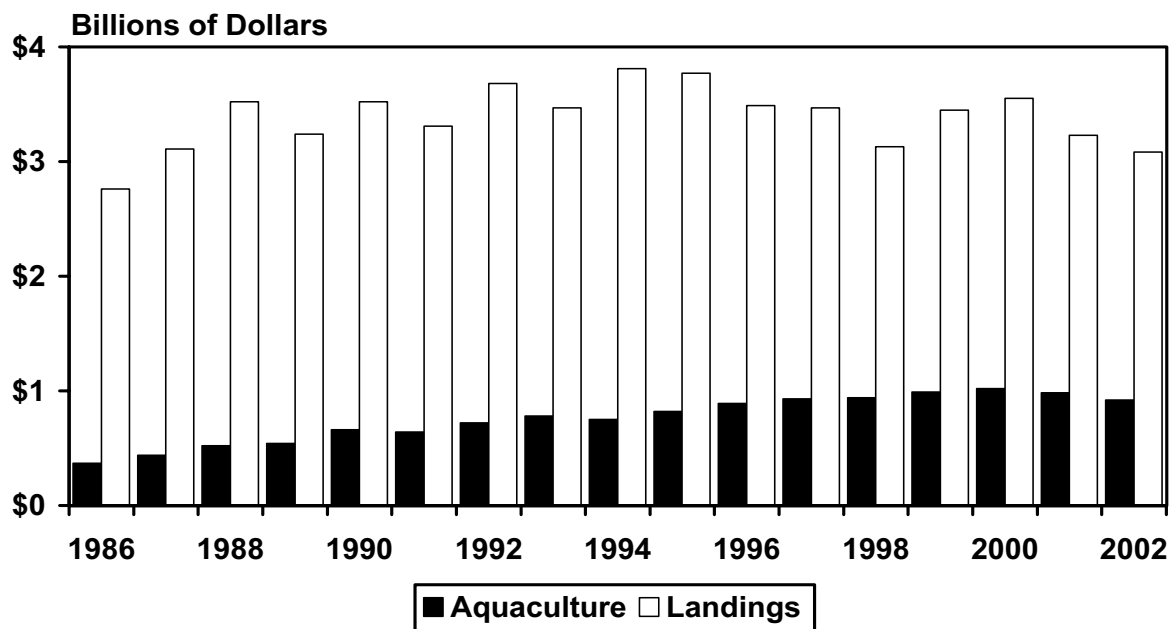
U.S. Commercial Landings

Volume of Domestic Commercial Landings and Aquaculture Production

Note: The 2002 aquaculture production is estimated



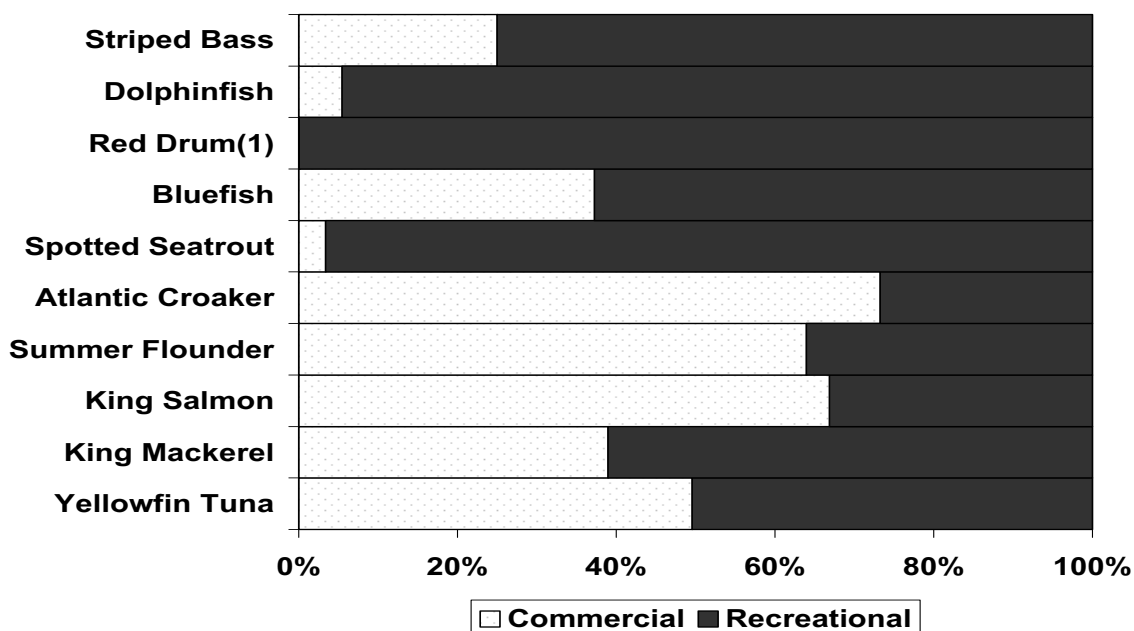
Value of Domestic Commercial Landings and Aquaculture Production



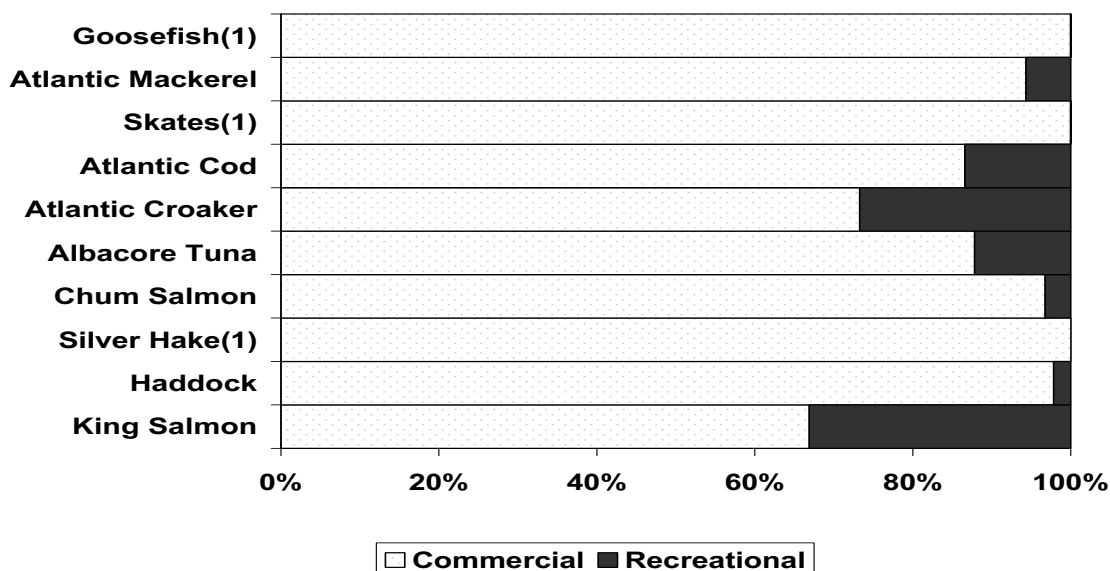
U.S. Commercial Landings

Comparisons between the top ten species in descending order of abundance by weight for U.S. commercial landings and recreational fish harvests. Does not include data for Alaska, Hawaii and Texas because no NMFS recreational surveys are conducted in those states. Menhaden, Pacific Hake, Atlantic Sea Herring, Pacific Sardine and Anchovy were excluded from commercial landings because they are industrial fisheries and recreational anglers do not target them.

**Top Ten Recreational Species - Harvest (A1 + B1)
Versus Commercial Harvest - 2002**



**Top Ten Commercial Species
Versus Recreational Harvest - 2002**



(1) Less than 1 percent

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.

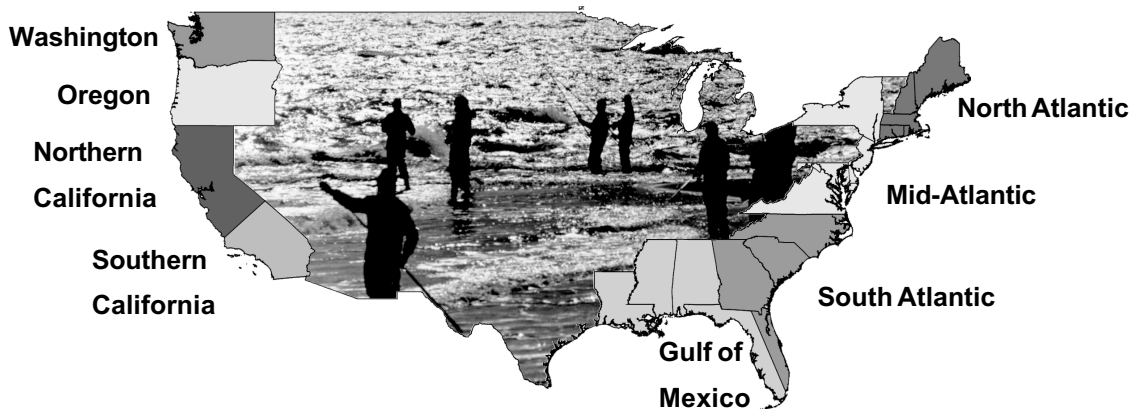
PUERTO RICO. In 2002, about 238,000 marine recreational participants took 1.3 million trips and caught a total of about 1.4 million fish. The most commonly caught non-bait species (in numbers of fish) were dolphin (98,000 fish), blue runner (30,000 fish), and lane snapper (29,000 fish). Estimated fishing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

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, 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)	
Anchovies**							
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
Cartilaginous Fishes							
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
Catfishes**							
Freshwater Catfishes	162	74	118	177	80	160	368
Saltwater Catfishes	987	448	629	748	339	533	873
Cods And Hakes							
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
Croakers							
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
Drums							
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
Flounders							
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)	
Greenlings							
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
Grunts							
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
Jacks							
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
Mulletts**	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
Porgies							
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
Rockfishes							
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
Sculpins							
Cabezon	227	103	69	111	51	41	210
Sculpins	6	3	49	13	6	59	12
Sea Basses							
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)	
Sea Chubs**							
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
Silversides							
Jacksmelt	205	93	614	149	68	333	145
Other Silversides	5	2	46	18	8	113	7
Smelts**							
Surf Smelt	319	145	3,661	312	141	4,174	231
Other Smelts	(1)	(1)	(1)	(1)	(1)	(1)	0
Snappers							
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
Surfperches							
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
Temperate Basses							
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
Tunas And Mackerels							
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
Wrasses							
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
Total Fish	262,432	119,037	186,710	221,085	100,287	186,610	--

(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	Total Numbers (thousands)		
	Thousand pounds	Metric tons	Total Numbers (thousands)	Thousand pounds	Metric tons	Total Numbers (thousands)					
Anchovies											
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
Cartilaginous Fishes											
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
Catfishes**											
Freshwater Catfishes	-	-	-	-	-	-	-	-	-	-	-
Saltwater Catfishes	6	3	3	465	211	296	276	125	747	339	533
Cods And Hakes											
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
Croakers											
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
Drums											
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)
Flounders												
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
Greenlings												
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
Grunts												
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
Jacks												
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
Porgies												
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)						
Rockfishes												
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
Sculpins												
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
Sea Basses												
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
Sea Chubs**												
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
Silversides												
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)
Snappers									
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
Surfperches									
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
Temperate Bases									
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
Tunas And Mackerels									
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
Wrasses									
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
Grand Total	49,530	22,469	18,780	145,361	65,931	115,324	26,198	11,879	52,510
							221,089	100,279	186,614

(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)					
Anchovies											
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
Cartilaginous Fishes											
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
Catfishes**											
Freshwater Catfishes	177	80	159	(1)	(1)	1	-	-	177	80	160
Saltwater Catfishes	511	232	347	232	105	185	5	2	748	339	534
Cods And Hakes											
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
Croakers											
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
Drums											
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)						
Flounders												
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
Greenlings												
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
Grunts												
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
Jacks												
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
Porgies												
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)						
Rockfishes												
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
Sculpins												
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
Sea Bases												
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
Sea Chubs**												
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
Silversides												
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)			
Snappers									
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	-	-	-	-	-	-
Surperches									
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
Temperate Basses									
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
Tunas And Mackerels									
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
Wrasses									
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
Grand Total	88,601	40,185	105,489	62,325	28,267	56,287	70,157	31,824	24,834
							221,083	100,276	186,610

(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
Grand Total	262,432	186,696	253,625

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
Grand Total	221,097	186,604	231,492

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
Grand Total	8,227	10,802	1,079	84,349
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
Grand Total	6,585	9,439	941	72,046

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

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

WORLD AQUACULTURE AND COMMERCIAL CATCHES, 1992-2001

Year	World aquaculture			World commercial catch			Grand Total
	Inland	Marine	Total	Inland	Marine	Total	
	----- Metric tons ----- Live weight			----- Metric tons ----- Live weight			
1992	9,282,554	6,130,324	15,412,878	6,203,027	79,598,908	85,801,935	101,214,813
1993	10,496,208	7,310,412	17,806,620	6,590,313	80,382,705	86,973,018	104,779,638
1994	12,193,815	8,648,943	20,842,758	6,711,306	85,292,531	92,003,837	112,846,595
1995	13,969,645	10,405,856	24,375,501	7,263,859	85,038,047	92,301,906	116,677,407
1996	15,895,621	10,798,230	26,693,851	7,427,541	86,322,861	93,750,402	120,444,253
1997	17,469,148	11,166,872	28,636,020	7,562,466	86,653,128	94,215,594	122,851,614
1998	18,476,477	12,043,123	30,519,600	8,043,505	79,549,807	87,593,312	118,112,912
1999	20,206,815	13,289,614	33,496,429	8,513,361	85,088,535	93,601,896	127,098,325
2000	21,281,520	14,205,663	35,487,183	8,788,721	86,651,099	95,439,820	130,927,003
2001	22,626,894	15,224,462	37,851,356	8,692,758	83,663,276	92,356,034	130,207,390

Note:--Data for marine mammals and aquatic plants are excluded.

Source:--Food and Agriculture Organization of the United Nations (FAO).

WORLD AQUACULTURE AND COMMERCIAL CATCHES OF FISH, CRUSTACEANS, AND MOLLUSKS, 2000-2001

Species group	2000			2001		
	Aquaculture	Catch	Total	Aquaculture	Catch	Total
	----- Metric tons ----- Live-weight			----- Metric tons ----- Live-weight		
Herrings, sardines, anchovies	-	24,896,523	24,896,523	-	20,460,641	20,460,641
Carps, barbels, cyprinids	15,524,966	569,212	16,094,178	16,427,626	547,623	16,975,249
Cods, hakes, haddocks	169	8,654,744	8,654,913	763	9,223,810	9,224,573
Tunas, bonitos, billfishes	11,578	5,865,522	5,877,100	14,018	5,821,240	5,835,258
Salmons, trouts, smelts	1,541,319	805,298	2,346,617	1,781,985	891,058	2,673,043
Tilapias	1,256,736	686,877	1,943,613	1,385,223	682,956	2,068,179
Flatfish	26,309	1,007,098	1,033,407	28,459	945,235	973,694
Sharks, rays, chimaeras	-	856,716	856,716	-	824,772	824,772
Shads	47	855,571	855,618	51	629,146	629,197
River eels	232,949	16,558	249,507	230,992	15,355	246,347
Sturgeons, paddlefish	3,158	2,603	5,761	3,091	2,010	5,101
Other fishes	4,290,364	36,249,421	40,539,785	4,561,191	37,705,392	42,266,583
Shrimp	1,143,072	3,074,771	4,217,843	1,270,875	2,950,834	4,221,709
Crabs	140,235	1,155,980	1,296,215	164,232	1,141,340	1,305,572
Lobsters	51	227,043	227,094	35	225,136	225,171
Krill	-	104,263	104,263	-	98,245	98,245
Other crustaceans	447,480	1,939,321	2,386,801	550,729	2,035,097	2,585,826
Oysters	3,972,667	276,905	4,249,572	4,207,818	199,015	4,406,833
Clams, cockles, arkshells	2,626,117	818,239	3,444,356	3,109,024	808,945	3,917,969
Squids, cuttlefishes, octopus	28	3,655,150	3,655,178	16	3,346,828	3,346,844
Scallops	1,154,467	661,171	1,815,638	1,219,127	702,525	1,921,652
Mussels	1,370,957	241,471	1,612,428	1,370,631	257,315	1,627,946
Abalones, winkles, conchs	5,160	113,117	118,277	5,425	120,958	126,383
Other mollusks	1,602,033	2,100,672	3,702,705	1,355,162	2,133,487	3,488,649
Sea urchins, other echinoderms	-	121,356	121,356	-	105,876	105,876
Miscellaneous	137,321	484,218	621,539	164,883	481,195	646,078
Total	35,487,183	95,439,820	130,927,003	37,851,356	92,356,034	130,207,390

Note:--Data for 2000 are revised. Data for marine mammals and aquatic plants are excluded.

Source:--Food and Agriculture Organization of the United Nations (FAO).

WORLD AQUACULTURE AND COMMERCIAL CATCHES BY COUNTRY OF FISH, CRUSTACEANS, AND MOLLUSKS, 2000-2001

Country	2000			2001		
	Aquaculture	Catch	Total	Aquaculture	Catch	Total
	-----Metric tons-----			-----Metric tons-----		
	<u>Live-weight</u>			<u>Live-weight</u>		
China	24,580,671	16,987,325	41,567,996	26,050,101	16,529,389	42,579,490
Peru	6,801	10,658,620	10,665,421	9,404	7,986,103	7,995,507
India	1,942,204	3,742,296	5,684,500	2,202,630	3,762,600	5,965,230
Japan	762,824	4,971,412	5,734,236	801,948	4,719,152	5,521,100
United States	428,262	4,745,321	5,173,583	460,998	4,944,406	5,405,404
Indonesia	788,500	4,069,691	4,858,191	864,276	4,203,830	5,068,106
Chile	391,587	4,300,160	4,691,747	566,096	3,797,143	4,363,239
Russian Federation	74,124	3,973,535	4,047,659	89,945	3,628,323	3,718,268
Thailand	731,955	2,911,173	3,643,128	724,228	2,881,316	3,605,544
Norway	491,284	2,703,415	3,194,699	512,101	2,687,303	3,199,404
Philippines	393,861	1,893,017	2,286,878	434,657	1,945,217	2,379,874
South Korea	293,420	1,823,175	2,116,595	294,484	1,988,002	2,282,486
Viet Nam	510,555	1,450,590	1,961,145	518,500	1,491,123	2,009,623
Iceland	3,623	1,982,522	1,986,145	4,371	1,980,715	1,985,086
Bangladesh	657,121	1,004,264	1,661,385	687,000	1,000,000	1,687,000
Denmark	43,609	1,534,089	1,577,698	41,573	1,510,439	1,552,012
Mexico	53,918	1,315,581	1,369,499	76,075	1,398,592	1,474,667
Spain	312,171	1,045,488	1,357,659	312,647	1,084,820	1,397,467
Malaysia	151,773	1,289,245	1,441,018	158,158	1,234,733	1,392,891
China - Taipei	243,856	1,093,889	1,337,745	297,428	1,005,199	1,302,627
All others	2,625,064	21,945,012	24,570,076	2,744,736	22,577,629	25,322,365
Total	35,487,183	95,439,820	130,927,003	37,851,356	92,356,034	130,207,390

Note:--For the United States the weight of clams, oysters, scallops, and other mollusks includes the shell weight. This weight is not included in U.S. landings shown elsewhere. Data for marine mammals and aquatic plants are excluded.

Source:--Food and Agriculture Organization of the United Nations (FAO).

WORLD AQUACULTURE AND COMMERCIAL CATCHES BY AREA OF FISH, CRUSTACEANS, AND MOLLUSKS, 2000-2001

Country	2000			2001		
	Aquaculture	Catch	Total	Aquaculture	Catch	Total
	-----Metric tons-----			-----Metric tons-----		
	<u>Live-weight</u>			<u>Live-weight</u>		
Marine Areas						
Atlantic Ocean:						
Northeast	1,307,977	11,024,004	12,331,981	1,319,346	11,164,413	12,483,759
Northwest	107,612	2,080,779	2,188,391	109,447	2,238,371	2,347,818
Eastern central	177	3,637,192	3,637,369	156	3,817,448	3,817,604
Western central	47,235	1,819,345	1,866,580	82,291	1,689,685	1,771,976
Southeast	2,240	1,635,484	1,637,724	2,680	1,652,992	1,655,672
Southwest	38,405	2,375,434	2,413,839	46,030	2,265,714	2,311,744
Mediterranean and Black Sea	367,820	1,492,302	1,860,122	359,158	1,535,345	1,894,503
Indian Ocean:						
Eastern	419,303	4,829,703	5,249,006	444,080	4,767,504	5,211,584
Western	26,757	3,997,956	4,024,713	32,576	3,948,676	3,981,252
Pacific Ocean:						
Northeast	97,151	2,477,803	2,574,954	114,568	2,759,090	2,873,658
Northwest	10,547,200	23,180,042	33,727,242	11,286,336	22,532,921	33,819,257
Eastern central	43,250	1,713,080	1,756,330	59,222	1,830,592	1,889,814
Western central	651,729	9,740,637	10,392,366	642,110	9,940,177	10,582,287
Southeast	447,481	15,810,412	16,257,893	633,595	12,655,449	13,289,044
Southwest	101,326	713,373	814,699	92,867	750,967	843,834
Antarctic	-	123,553	123,553	-	113,932	113,932
Inland Areas						
Africa	346,124	2,059,555	2,405,679	361,785	2,052,001	2,413,786
Asia	19,838,224	5,738,765	25,576,989	21,106,518	5,754,476	26,860,994
Europe	454,527	431,944	886,471	473,664	347,421	821,085
North America	427,548	190,849	618,397	443,542	174,734	618,276
South America	211,172	345,276	556,448	237,278	341,631	578,909
Oceania	3,925	22,332	26,257	4,107	22,495	26,602
Total	35,487,183	95,439,820	130,927,003	37,851,356	92,356,034	130,207,390

Note:--Data for marine mammals and aquatic plants are excluded.

Source:--Food and Agriculture Organization of the United Nations (FAO).

WORLD IMPORTS AND EXPORTS OF SEVEN FISHERY COMMODITY GROUPS, BY LEADING COUNTRIES, 1997-2001

Country	1997	1998	1999	2000	2001
----- Thousand U.S. dollars -----					
IMPORTS:					
Japan	15,539,507	12,826,543	14,748,712	15,513,059	13,453,375
United States	8,138,840	8,578,766	9,407,307	10,453,251	10,291,344
Spain	3,069,601	3,545,751	3,286,831	3,351,670	3,723,590
France	3,062,051	3,505,333	3,280,940	2,983,618	3,062,660
Italy	2,571,868	2,808,587	2,728,568	2,535,269	2,722,414
Germany	2,362,914	2,623,741	2,288,523	2,262,018	2,354,306
United Kingdom	2,141,619	2,384,028	2,276,998	2,183,811	2,241,908
China	1,183,283	991,463	1,127,412	1,795,953	1,787,242
China - Hong Kong	2,096,894	1,611,747	1,593,661	1,948,824	1,768,439
Denmark	1,521,181	1,704,234	1,771,500	1,806,365	1,737,396
Other Countries	15,054,713	14,692,581	15,106,436	15,186,287	16,254,133
Total	56,742,471	55,272,774	57,616,888	60,020,125	59,396,807
EXPORTS:					
Thailand	4,329,541	4,031,279	4,109,860	4,367,332	4,039,127
China	2,937,281	2,656,117	2,959,530	3,602,838	3,999,274
Norway	3,399,229	3,661,174	3,764,795	3,532,841	3,363,955
United States	2,850,311	2,400,338	2,945,014	3,055,261	3,316,056
Canada	2,270,725	2,265,236	2,617,759	2,818,433	2,797,933
Denmark	2,648,911	2,897,707	2,884,334	2,755,676	2,666,476
Chile	1,781,805	1,596,800	1,699,516	1,784,560	1,939,295
Spain	1,471,306	1,529,315	1,604,237	1,599,631	1,848,352
China - Taipei	1,779,800	1,579,836	1,702,363	1,756,133	1,820,787
Viet Nam	763,257	820,588	940,473	1,481,410	1,781,385
Other Countries	29,157,324	27,693,315	27,454,372	28,479,702	28,291,897
Total	53,389,490	51,131,705	52,682,253	55,233,817	55,864,537

Note:-- Data for 1997-2000 are revised. Data on imports and exports cover the international trade of 176 countries or areas. The total value of exports is consistently less than the value of imports, probably because charges for insurance, freight, and similar expenses were included in the import value, but not in the export value. The seven fishery commodity groups covered by this table are: 1. Fish, fresh, chilled or frozen; 2. Fish, dried, salted, or smoked; 3. Crustaceans and mollusks, fresh, dried, salted, etc.; 4. Fish products and preparations, whether or not in airtight containers; 5. Crustacean and mollusk products preparations, whether or not in airtight containers; 6. Oils and fats, crude or refined, of aquatic animal origin; and 7. Meals, solubles, and similar animal foodstuffs of aquatic animal origin.
Source:--Food and Agriculture Organization of the United Nations (FAO).

DISPOSITION OF WORLD AQUACULTURE AND COMMERCIAL CATCHES, 1997-2001

Item	1997	1998	1999	2000	2001
----- Percent of Total -----					
Marketed fresh	38.4	41.0	39.4	38.7	39.7
Frozen	20.2	20.6	19.2	18.8	19.7
Canned	8.7	8.9	8.4	8.3	8.5
Cured	7.2	8.1	7.4	7.7	8.0
Reduced to meal and oil (1)	21.1	16.8	20.2	21.2	18.2
Miscellaneous purposes	4.4	4.6	5.4	5.3	5.9
Total	100.0	100.0	100.0	100.0	100.0

Note:-- Data for 1997-2000 are revised. Data for marine mammals and aquatic plants are excluded.
(1) Only whole fish destined for the manufacture of oils and meals are included. Raw material for reduction derived from fish primarily destined for marketing fresh, frozen, canned, cured, and miscellaneous purposes is excluded; such waste quantities are included under the other disposition channels.
Source:--Food and Agriculture Organization of the United Nations (FAO).

Processed Fishery Products

FRESH AND FROZEN

FISH FILLETS AND STEAKS. In 2002 the U.S. production of raw (uncooked) fish fillets and steaks, including blocks, was 519.1 million pounds—39.2 million pounds more than the 479.9 million pounds in 2001. These fillets and steaks were valued at \$983.9 million. Alaska pollock fillets and blocks led all species with 304.1 million pounds—59 percent of the total. Production of groundfish fillets and steaks (see Glossary Section—Groundfish) was 382.7 million pounds.

FISH STICKS AND PORTIONS. The combined production of fish sticks and portions was 235.4 million pounds valued at \$288.6 million compared with the 2001 production of 232.2 million pounds valued at \$277.0 million

The total production of fish sticks amounted to 48.1 million pounds valued at \$52.0 million. The total production of fish portions amounted to 187.3 million pounds valued at \$236.6 million

BREADED SHRIMP. The production of breaded shrimp in 2002 was 148.5 million pounds valued at \$475.5 million, compared with the 2001 production of 152.2 million pounds valued at \$539.7 million.

FROZEN FISHERY TRADE. In 2002, stocks of frozen fishery products in cold storage were at a low of 342.7 million pounds on June 30 and a high of 416.0 million pounds on October 31. Cold storage holdings of shrimp products were at a high of 59.3 million pounds on November 30 and a low of 41.0 million pounds on May 31. Holdings of saltwater fillets and steaks reached a high of 79.5 million pounds on February 28 and were at a low of 67.3 million pounds on June 30. Holdings of blocks and slabs were at a high of 51.5 million pounds on January 31 and a low of 32.5 million pounds on May 31. Surimi reached a high of 24.5 million pounds on October 31 and was at a low of 11.1 million pounds on May 31. Analog products reached a high of 6.4 million pounds on June 30 and a low of 4.8 million pounds on July 31.

CANNED PRODUCTS

CANNED FISHERY PRODUCTS. The pack of canned fishery products in the 50 states, American Samoa, and Puerto Rico was 1.3 billion pounds valued at \$1.3 billion—a decrease of 319.0 million pounds and \$112.5 million compared with the 2001 pack. The 2002

pack included 950.6 million pounds valued at \$1.1 billion for human consumption and 364.5 million pounds valued at \$139.6 million for bait and animal food.

CANNED SALMON. The 2002 U.S. pack of salmon was 223.7 million pounds valued at \$295.6 million, compared with 184.7 million pounds valued at \$258.7 million packed in 2001.

CANNED SARDINES. The pack of Maine sardines (small herring) can not be shown due to the confidential nature of the data.

CANNED TUNA. The U.S. pack of tuna was 547.0 million pounds valued at \$675.3 million—an increase of 39.6 million pounds in quantity and \$17.3 million in value compared with the 2001 pack. The pack of albacore tuna was 208.1 million pounds comprising 38 percent of the tuna pack in 2002. Lightmeat tuna (bigeye, bluefin, skipjack, and yellowfin) comprised the remainder with a pack of 338.9 million pounds.

CANNED CLAMS. The 2002 U.S. pack of clams (whole, minced, chowder, juice, and specialties) was 138.9 million pounds valued at \$117.4 million. The pack of whole and minced clams was 39.7 million pounds and accounted for 29 percent of the total clam pack. Clam chowder and clam juice was 91.5 million pounds and made up the majority of the pack.

OTHER CANNED ITEMS. The pack of pet food was 364.5 million pounds valued at \$139.6 million—a decrease of 411.1 million pounds compared with the 2001 pack.

INDUSTRIAL FISHERY PRODUCTS

INDUSTRIAL FISHERY PRODUCTS. The value of the domestic production of industrial fishery products was \$260.0 million—an increase of \$3.3 million compared with the 2001 value of \$256.7 million.

FISH MEAL. The domestic production of fish and shellfish meal was 637.9 million pounds valued at \$139.7 million—a decrease of 6.0 million pounds but an increase of \$13.5 million compared with 2001. Fish meal production was 633.4 million pounds valued at \$139.4 million—a decrease of 2.5 million pounds but an increase of \$13.7 million from the 2001 production. Shellfish meal production was 4.5 million pounds—a decrease of 3.6 million pounds from the 2001 level.

Processed Fishery Products

FISH OILS. The domestic production of fish oils was 210.9 million pounds valued at \$41.4 million—a decrease of 68.5 million pounds and \$6.2 million in value compared with 2001 production.

OTHER INDUSTRIAL PRODUCTS. Oyster shell products, together with agar-agar, animal feeds, crab and

clam shells processed for food serving, fish pellets, Irish moss extracts, kelp products, dry and liquid fertilizers, pearl essence, and mussel shell buttons were valued at \$78.9 million, compared with \$82.8 million in 2001-- a decrease of \$3.9 million

VALUE OF PROCESSED FISHERY PRODUCTS, 2001 AND 2002
(Processed from domestic catch and imported products)

Item	2001 (1)		2002	
	<u>Thousand dollars</u>	<u>Percent of total</u>	<u>Thousand dollars</u>	<u>Percent of total</u>
Edible:				
Fresh and frozen	6,257,192	77	5,559,865	77
Canned	1,110,426	14	1,148,279	16
Cured	183,774	2	142,682	2
Total edible	7,551,392	93	6,850,826	94
Industrial:				
Bait and animal food (canned)	289,941	4	139,618	2
Meal and oil	173,908	2	181,129	2
Other	82,770	1	78,886	1
Total industrial	546,619	7	399,633	6
Grand total	8,098,011	100	7,250,459	100

(1) Revised. Value is based on selling price at the plant.

U.S. PRODUCTION OF FISH STICKS, FISH PORTIONS, AND BREADED SHRIMP, 1993-2002

Year	Fish sticks			Fish portions			Breaded shrimp		
	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>
1993	67,959	30,826	67,975	206,165	93,516	313,195	111,489	50,571	316,722
1994	58,789	26,667	51,429	196,289	89,036	268,353	113,461	51,466	304,931
1995	74,066	33,596	73,478	251,217	113,951	356,518	100,522	45,596	299,355
1996	65,244	29,594	55,802	213,962	97,053	306,501	108,486	49,209	341,770
1997	69,167	31,374	64,298	195,554	88,703	285,348	117,471	53,284	334,939
1998	68,778	31,197	63,473	184,681	83,771	211,356	109,481	49,660	333,257
1999	65,019	29,492	63,396	203,279	92,207	269,125	119,149	54,046	351,891
2000	39,925	18,110	42,549	182,736	82,889	233,368	121,399	55,066	375,453
2001	43,014	19,511	41,539	189,186	85,814	235,460	152,205	69,040	539,705
2002	48,064	21,802	51,988	187,292	84,955	236,625	148,456	67,339	475,485

Processed Fishery Products

PRODUCTION OF FRESH AND FROZEN FILLETS AND STEAKS, BY SPECIES, 2001 AND 2002

Species	2001 (1)			2002		
	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>
Fillets:						
Amberjack	109	49	421	124	56	446
Anglerfish	1,981	899	5,526	1,355	615	3,582
Bluefish	234	106	662	250	113	678
Cod	40,099	18,189	123,250	50,912	23,094	155,463
Cusk	70	32	240	66	30	214
Dolphin	3,717	1,686	15,437	4,291	1,946	14,852
Drum	7	3	29	10	5	43
Flounders	29,898	13,562	74,280	28,675	13,007	76,973
Groupers	2,866	1,300	18,600	1,868	847	13,243
Haddock	6,330	2,871	27,088	6,993	3,172	28,845
Hake	14,458	6,558	10,073	13,955	6,330	10,943
Halibut	3,480	1,579	17,737	2,438	1,106	14,466
Lingcod	236	107	629	224	102	594
Marlins	160	73	680	78	35	458
Ocean perch:						
Atlantic	399	181	1,213	411	186	1,152
Pacific	1,751	794	3,930	1,332	604	2,992
Pollock:						
Atlantic	2,462	1,117	7,539	4,924	2,234	14,803
Alaska	271,253	123,040	296,455	304,119	137,947	326,664
Rockfishes	7,265	3,295	16,584	8,298	3,764	18,269
Sablefish	92	42	455	211	96	1,028
Salmon	36,477	16,546	94,850	32,677	14,822	90,762
Sea bass	460	209	3,090	601	273	3,953
Sea trout	177	80	757	198	90	795
Shark	544	247	1,341	487	221	1,014
Snapper	995	451	6,588	949	430	5,886
Swordfish	3,796	1,722	23,611	3,655	1,658	23,529
Tilapia	1,170	531	3,402	911	413	2,547
Tuna	6,922	3,140	48,449	6,374	2,891	40,785
Wahoo	155	70	908	155	70	1,030
Whitefish	284	129	894	272	123	879
Wolffish	76	34	222	86	39	197
Unclassified	12,321	5,589	40,393	17,877	8,109	58,162
Total	450,244	204,229	845,333	494,776	224,429	915,247
Steaks:						
Halibut	6,583	2,986	26,173	7,334	3,327	29,033
Salmon	2,154	977	7,105	2,952	1,339	8,394
Swordfish	1,771	803	7,496	2,197	997	8,486
Tuna	3,835	1,740	11,854	4,766	2,162	14,891
Unclassified	15,283	6,932	15,744	7,074	3,209	7,875
Total	29,626	13,438	68,372	24,323	11,033	68,679
Grand total	479,870	217,668	913,705	519,099	235,462	983,926

(1) Revised

Note:--Some fillet products were further processed into frozen blocks.

Processed Fishery Products

PRODUCTION OF CANNED FISHERY PRODUCTS, BY SPECIES, 2001 AND 2002

Species	Pounds per case	2001 (1)			2002		
		Standard cases	Thousand pounds	Thousand dollars	Standard cases	Thousand pounds	Thousand dollars
For human consumption:							
Fish:							
Herring	23.4	(5)	(5)	(5)	(5)	(5)	(5)
Salmon:							
Chinook	44.25	4,158	184	321	3,819	169	340
Chum	44.25	202,034	8,940	6,631	149,966	6,636	5,030
Pink	44.25	2,856,294	126,391	136,385	3,539,232	156,611	142,721
Coho	44.25	15,141	670	1,360	43,910	1,943	3,076
Sockeye	44.25	1,096,090	48,502	114,018	1,317,333	58,292	144,424
Total salmon		4,173,718	184,687	258,715	5,054,260	223,651	295,591
Specialties	48	15,000	720	5,597	15,583	748	5,540
Sardines, Maine	23.4	(5)	(5)	(5)	(5)	(5)	(5)
Tuna: (2)							
Albacore:							
Solid	18	8,501,778	153,032	314,171	10,009,222	180,166	317,088
Chunk	18	1,724,389	31,039	57,187	1,549,167	27,885	38,930
Total albacore		10,226,167	184,071	371,358	11,558,389	208,051	356,018
Lightmeat:							
Solid	18	391,389	7,045	9,229	1,001,278	18,023	19,374
Chunk	18	17,571,333	316,284	277,408	17,827,278	320,891	299,950
Total lightmeat		17,962,722	323,329	286,637	18,828,556	338,914	319,324
Total tuna		28,188,889	507,400	657,995	30,386,944	546,965	675,342
Specialties	48	563	27	231	208	10	88
Other	48	650,833	31,240	46,177	662,375	31,794	39,421
Total fish	--	33,029,002	724,074	968,715	36,119,371	803,168	1,015,982
Shellfish:							
Clam and clam products: (3)							
Whole and minced	15	2,777,400	41,661	74,561	2,646,800	39,702	63,824
Chowder and juice	30	2,554,433	76,633	42,824	3,048,533	91,456	46,887
Specialties	48	165,604	7,949	7,134	158,917	7,628	6,719
Total clams	--	5,497,438	126,243	124,519	5,854,250	138,786	117,430
Crabs, natural	20	308	6	110	1,077	21	269
Lobster meat and specialties	48	8,292	398	538	6,479	311	457
Oyster, specialties	48	11,896	571	816	8,292	398	111
Shrimp, natural (4)	6.75	235,852	1,592	10,098	260,000	1,755	8,807
Other	48	114,667	5,504	5,630	127,771	6,133	5,223
Total shellfish	--	5,868,451	134,314	141,711	6,257,869	147,404	132,297
Total for human consumption	--	38,897,453	858,388	1,110,426	42,377,240	950,572	1,148,279
For bait and animal food	48	16,160,375	775,698	289,941	7,594,708	364,546	139,618
Grand total	--	55,057,828	1,634,086	1,400,367	49,971,948	1,315,118	1,287,897

(1) Revised.

(2) Flakes included with chunk.

(3) "Cut out" or "drained" weight of can contents are given for whole or minced clams, and net contents for other clam products.

(4) Drained weight.

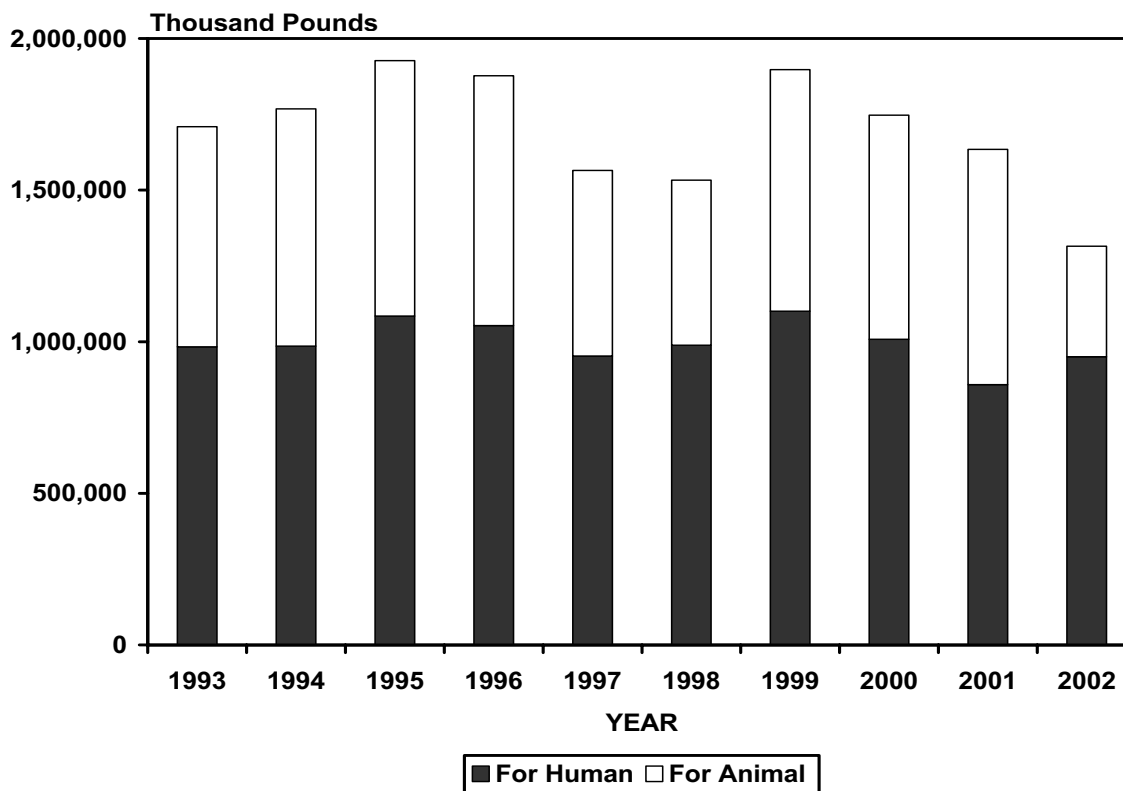
(5) Confidential included with 'Other.'

Processed Fishery Products

PRODUCTION OF CANNED FISHERY PRODUCTS, 1993-2002

Year	For human consumption			For animal food and bait			Total		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
1993	983,225	445,988	1,375,377	725,822	329,231	312,597	1,709,047	775,219	1,687,974
1994	985,675	447,099	1,470,234	782,272	354,836	325,264	1,767,947	801,935	1,795,498
1995	1,084,866	492,092	1,544,208	842,351	382,088	342,842	1,927,217	874,180	1,887,050
1996	1,052,909	477,596	1,428,937	824,094	373,807	370,945	1,877,003	851,403	1,799,882
1997	952,755	432,167	1,361,437	612,320	277,747	231,756	1,565,075	709,913	1,593,193
1998	988,693	448,468	1,425,564	544,328	246,906	349,765	1,533,021	695,374	1,775,329
1999	1,100,329	499,106	1,521,880	796,769	361,412	339,548	1,897,098	860,518	1,861,428
2000	1,008,098	457,270	1,334,012	738,821	335,127	291,992	1,746,919	792,397	1,626,004
2001	858,388	389,362	1,110,426	775,698	351,854	289,941	1,634,086	741,217	1,400,367
2002	950,572	431,177	1,148,279	364,546	165,357	139,618	1,315,118	596,534	1,287,897

Production of Canned Fishery Products, 1993-2002



Processed Fishery Products

PRODUCTION OF MEAL AND OIL, 2001 AND 2002

Product	2001			2002		
	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>
Dried scrap and meal:						
Fish	635,942	288,461	125,679	633,449	287,331	139,406
Shellfish	8,047	3,650	567	4,491	2,037	293
Total, scrap and meal	643,989	292,111	126,246	637,940	289,368	139,699
Body oil, total	279,416	126,742	47,662	210,867	95,649	41,430

Note:--To convert pounds of oil to gallons divide by 7.75.

The above data includes products in American Samoa and Puerto Rico.

PRODUCTION OF INDUSTRIAL PRODUCTS, 1993-2002

Year	Scrap and meal		Marine animal oil		Meal and oil	Other industrial products	Grand total
	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand pounds</u>	<u>Metric tons</u>			
					----- Thousand dollars -----		
1993	750,744	340,535	293,452	133,109	182,170	43,689	225,859
1994	807,833	366,431	291,882	132,397	186,222	61,992	248,214
1995	667,240	302,658	241,941	109,744	172,279	74,264	246,543
1996	643,124	291,719	248,399	112,673	187,968	85,583	273,551
1997	724,668	328,707	283,379	128,540	229,222	118,128	347,350
1998	613,434	278,252	222,697	101,015	172,574	60,800	233,374
1999	686,250	311,281	286,182	129,811	188,854	79,325	268,179
2000	638,244	289,506	192,348	87,248	135,815	83,023	218,838
2001	643,989	292,111	279,416	126,742	173,908	82,770	256,678
2002	637,940	289,368	210,867	95,649	181,129	78,886	260,015

Note:--Does not include the value of imported items that may be further processed.

U.S. Cold Storage Holdings

U.S. COLD STORAGE HOLDINGS OF FISHERY PRODUCTS, 2002

Species	January	February	March	April	May	June
Fish	----- Thousand pounds -----					
Saltwater:						
Blocks and slabs:						
Cod	2,134	1,858	1,241	1,601	1,422	1,994
Flounder and sole	269	287	201	189	273	261
Haddock	344	394	428	372	3,175	360
Ocean perch	623	437	306	270	302	299
Pollock:						
Alaska (walleye)	16606	16987	11675	13585	6828	14939
Atlantic or other	8,268	7,264	5,132	5,065	3,838	6,442
Whiting:						
Silver (Atlantic) hake	389	334	358	269	1,034	229
Pacific hake	7417	1453	1432	1239	955	273
Minced	9,321	8,663	10,560	10,987	12,455	12,152
Unclassified (1)	6,107	5,651	3,000	2,576	2,243	2,604
Total, blocks and slabs	51,478	43,329	34,333	36,152	32,525	39,554
Fillets and steaks:						
Cod	19,043	20,892	19,971	19,219	18,539	15,638
Flounder and sole	5,612	5,722	4,478	4,907	5,887	5,573
Haddock	3,337	3,514	3,540	3,852	3,786	4,793
Halibut	1,909	1,713	553	536	611	826
Ocean perch	2,137	1,937	1,960	1,867	1,658	1,650
Pollock:						
Alaska (walleye)	10,315	9,219	10,571	11,628	8,977	6,531
Atlantic or other	4,291	4,351	3,116	3,492	3,289	3,563
Rockfish	429	513	545	357	373	285
Salmon	6,715	5,980	5,153	5,426	4,899	4,922
Whiting:						
Silver (Atlantic) hake	4,269	3,461	2,713	2,550	2,332	2,157
Pacific hake	2,394	6,732	5,595	3,701	2,973	6,583
Unclassified	16,883	15,491	16,817	16,416	16,798	14,769
Total, fillets and steaks	77,333	79,525	75,012	73,952	70,122	67,290
Round, dressed, etc.:						
Halibut (exc. California)	4,422	2,480	1,528	1,399	2,319	3,688
Sablefish	424	238	288	429	661	533
Salmon:						
Chinook or king	2,879	2,553	1,979	1,773	1,758	1,634
Silver or coho	7,305	6,544	5,580	4,759	3,788	1,953
Chum or fall	24,381	21,281	18,644	15,969	13,247	13,628
Pink	2,765	2,122	1,605	977	807	591
Sockeye	2,355	1,905	1,632	1,308	1,218	1,064
Unclassified	2,707	2,216	2,258	1,489	1,430	1,633
Total, salmon	42,392	36,621	31,697	26,275	22,247	20,502
Whiting:						
Silver (Atlantic) hake	1	8	13	5	5	10
Pacific hake	277	67	10	9	19	69
Unclassified (exc. bait)	12,592	13,113	16,619	13,514	11,246	12,176
Total, round, dressed, etc.	60,108	52,526	50,155	41,631	36,498	36,978

See footnotes at end of table.

(Continued)

U.S. Cold Storage Holdings

U.S. COLD STORAGE HOLDINGS OF FISHERY PRODUCTS, 2002 - Continued

Species	July	August	September	October	November	December
Fish	----- Thousand pounds -----					
Saltwater:						
Blocks and slabs:						
Cod	2,719	2,187	1,287	1,181	1,358	1,912
Flounder and sole	314	276	167	194	210	224
Haddock	370	238	310	528	422	720
Ocean perch	3,407	807	809	292	268	544
Pollock:						
Alaska (walleye)	13,285	15,633	17,465	15,715	19,599	20,914
Atlantic or other	5,893	4,392	4,097	4,153	4,450	3,954
Whiting:						
Silver (Atlantic) hake	189	475	278	227	137	168
Pacific hake	683	221	221	212	236	237
Minced	8,698	14,768	15,708	14,758	8,629	9,236
Unclassified (1)	2,424	1,767	1,739	2,172	3,663	5,563
Total, blocks and slabs	37,982	40,763	42,079	39,433	38,972	43,475
Filletts and steaks:						
Cod	15,152	12,661	12,815	12,654	14,441	15,123
Flounder and sole	5,892	5,748	5,208	5,881	5,079	5,167
Haddock	3,463	3,144	3,041	3,537	4,507	5,085
Halibut	778	694	743	1,146	984	800
Ocean perch	1,873	1,912	1,824	1,734	1,870	2,024
Pollock:						
Alaska (walleye)	7,385	12,868	14,155	14,204	13,664	12,857
Atlantic or other	4,389	3,668	3,446	4,107	4,106	2,806
Rockfish	470	703	529	595	435	311
Salmon	5,365	6,151	6,580	6,151	5,813	5,033
Whiting:						
Silver (Atlantic) hake	3,671	3,571	3,455	3,027	3,157	3,653
Pacific hake	10,532	10,682	8,828	5,404	4,808	3,762
Unclassified	15,177	14,722	14,566	13,434	13,095	18,768
Total, filletts and steaks	74,147	76,524	75,191	71,874	71,959	75,389
Round, dressed, etc.:						
Halibut (exc. California)	3,512	4,350	5,254	5,480	4,891	4,109
Sablefish	532	744	1,084	918	576	426
Salmon:						
Chinook or king	3,679	4,826	6,251	5,844	5,717	5,880
Silver or coho	2,240	3,921	7,259	6,822	5,800	4,880
Chum or fall	28,445	33,680	33,058	31,278	30,740	27,309
Pink	815	2,501	3,414	3,014	2,138	1,835
Sockeye	2,124	2,777	2,882	2,559	1,864	1,592
Unclassified	1,635	2,428	2,455	2,736	2,320	2,306
Total, salmon	38,937	50,133	55,319	52,254	48,579	43,802
Whiting:						
Silver (Atlantic) hake	1	1	1	4	-	-
Pacific hake	77	15	19	15	68	67
Unclassified (exc. bait)	17,435	14,557	14,928	14,329	13,064	12,723
Total, round, dressed, etc.	60,494	69,799	76,606	72,999	67,178	61,127

See footnotes at end of table.

(Continued)

U.S. Cold Storage Holdings

U.S. COLD STORAGE HOLDINGS OF FISHERY PRODUCTS, 2002 - Continued

Species	January	February	March	April	May	June
	----- Thousand pounds -----					
Fish						
Fish sticks and portions (2):	29,795	28,918	25,609	27,195	21,103	23,295
Analog products	4,884	5,264	4,919	6,067	5,660	6,411
Surimi: Pollock	12,734	11,329	11,029	10,566	8,989	11,425
Other	1,915	3,187	3,908	3,726	2,065	1,649
Total, saltwater	238,247	224,077	204,966	199,289	176,961	186,602
Freshwater:						
Fillets and steaks:	299	282	355	245	278	297
Catfish	14,119	11,315	11,743	11,552	10,474	10,370
Rainbow trout	1,757	1,804	1,870	2,054	2,210	2,283
Unclassified (exc. bait)	250	308	306	314	334	279
Total, freshwater	16,425	13,708	14,273	14,165	13,295	13,228
Bait & animal food	8,053	14,144	12,455	14,069	15,051	13,940
Shellfish						
Clams and clam meats	1,061	1,316	1,407	1,785	1,857	2,407
Crabs:						
Dungeness	1,786	1,547	1,093	963	895	903
King:						
Meat	223	211	304	257	241	245
Sections	10,082	9,195	8,358	7,836	6,007	4,663
Snow:						
Meat	998	865	858	716	1,145	1,071
Sections	10,904	10,823	12,040	10,915	12,812	12,348
Unclassified	3,775	3,518	2,153	1,903	2,837	3,694
Total, crab	27,769	26,159	24,807	22,590	23,936	22,924
Lobsters:						
Spiny (tails)	1,455	1,445	1,280	1,230	1,241	1,156
Unclassified (whole & meat)	6,410	5,117	4,178	3,154	2,588	3,067
Oyster meats	357	2,791	659	594	463	584
Scallop meats	2,437	2,825	4,816	5,739	5,798	5,685
Shrimp:						
Raw, headless	9,392	9,572	8,158	6,879	6,375	6,300
Breaded	5,049	4,549	2,509	2,495	2,544	2,656
Peeled	30,197	29,314	26,103	22,974	21,745	24,065
Unclassified	13,164	12,056	11,159	10,842	10,311	11,480
Total, shrimp	57,802	55,491	47,929	43,191	40,975	44,501
Squid	7,281	8,304	6,752	5,465	4,886	4,324
Unclassified shellfish	9,499	7,968	7,332	9,154	9,957	10,895
Total, shellfish	114,072	111,418	99,161	92,903	91,701	95,542
Total, fish and shellfish	376,796	363,347	330,855	320,425	297,008	309,313
Cured fish (all categories)	2,668	2,466	2,537	2,276	2,272	2,172
Grand total	379,464	365,813	333,392	322,701	299,281	311,485

See footnotes at end of table.

(Continued)

U.S. Cold Storage Holdings

U.S. COLD STORAGE HOLDINGS OF FISHERY PRODUCTS, 2002 - Continued

Species	July	August	September	October	November	December
	----- Thousand pounds -----					
Fish						
Fish sticks and portions (2):	20,738	22,290	34,021	25,820	26,639	26,661
Analog products	4,837	4,959	5,198	5,254	5,558	4,843
Surimi: Pollock	11,525	20,828	19,760	21,801	19,630	18,836
Other	2,891	2,410	3,079	2,660	2,402	1,728
Total, saltwater	212,614	237,574	255,935	239,841	232,339	232,058
Freshwater:						
Fillets and steaks	338	297	289	329	279	255
Catfish	10,096	10,072	10,495	10,315	10,660	10,865
Rainbow trout	2,365	2,445	2,466	2,468	2,579	2,907
Unclassified (exc. bait)	394	1,038	414	366	447	333
Total, freshwater	13,194	13,853	13,663	13,478	13,965	14,360
Bait & animal food	13,513	13,756	13,295	12,259	11,818	10,706
Shellfish						
Clams and clam meats	2,649	3,405	2,380	1,208	1,044	723
Crabs:						
Dungeness	1,107	1,019	690	958	735	1,169
King:						
Meat	269	234	252	262	253	265
Sections	4,071	3,722	3,820	4,543	5,333	8,853
Snow:						
Meat	990	1,694	1,947	2,011	1,942	2,089
Sections	5,419	5,302	6,903	9,427	7,005	5,951
Unclassified	5,467	5,067	4,753	2,541	3,105	2,193
Total, crab	17,323	17,038	18,365	19,743	18,373	20,520
Lobsters:						
Spiny (tails)	999	759	2,991	1,430	1,552	1,744
Unclassified (whole & meat)	3,313	4,217	5,081	6,375	5,989	6,468
Oyster meats	664	659	517	501	679	590
Scallop meats	5,771	4,502	4,979	5,557	5,236	5,746
Shrimp:						
Raw, headless	6,596	6,961	7,594	8,244	8,410	8,425
Breaded	2,292	2,286	2,732	2,524	2,487	2,533
Peeled	28,310	30,312	32,204	33,276	34,359	32,398
Unclassified	10,059	12,645	12,580	14,612	14,001	14,438
Total, shrimp	47,257	52,204	55,110	58,656	59,258	57,794
Squid	5,209	3,983	4,453	3,943	4,619	3,513
Unclassified shellfish	10,531	10,360	11,096	18,377	14,645	14,836
Total, shellfish	93,716	97,127	104,971	115,789	111,395	111,935
Total, fish and shellfish	333,037	362,310	387,864	381,367	369,518	369,058
Cured fish (all categories)	1,921	3,268	3,244	2,354	1,199	1,772
Grand total	334,959	365,578	391,108	383,722	370,717	370,830

(1) Unclassified may also include blocks and slabs made from species listed separately.

(2) Fish sticks and portions include all species that are either cooked or uncooked.

Note:--Data includes imported fishery products. Data for these tables were collected from public and private warehouses where fishery products are normally stored for 30 days or more. Totals may not agree with annual report due to rounding.

IMPORTS

U.S. imports of edible fishery products in 2002 were valued at a record \$10.1 billion, \$256.8 million more than in 2001. The quantity of edible imports was 4.4 billion pounds, 325.1 million pounds more than the quantity imported in 2001.

Edible imports consisted of 3.7 billion pounds of fresh and frozen products valued at \$8.9 billion, 632.3 million pounds of canned products valued at \$906.6 million, 77.0 million pounds of cured products valued at \$161.4 million, 5.3 million pounds of caviar and roe products valued at \$31.4 million, and 42.3 million pounds of other products valued at \$73.2 million.

The quantity of shrimp imported in 2002 was 946.4 million pounds, 63.9 million pounds more than the quantity imported in 2001. Valued at \$3.4 billion, shrimp imports accounted for 34 percent of the value of total edible imports. Imports of fresh and frozen tuna were 357.7 million pounds, 47.1 million pounds less than the 404.8 million pounds imported in 2001. Imports of canned tuna were 378.1 million pounds, 85.9 million pounds more than in 2001. Imports of fresh and frozen fillets and steaks amounted to 922.5 million pounds, an increase of 127.0 million pounds from 2001. Regular and minced block imports were 147.0 million pounds, an increase of 348 thousand pounds from 2001.

Imports of nonedible fishery products were valued at \$9.6 billion — an increase of \$887.2 million compared

with 2001. The total value of edible and nonedible products was \$19.7 billion in 2002, \$1.1 billion more than in 2001 when \$18.5 billion of fishery products were imported.

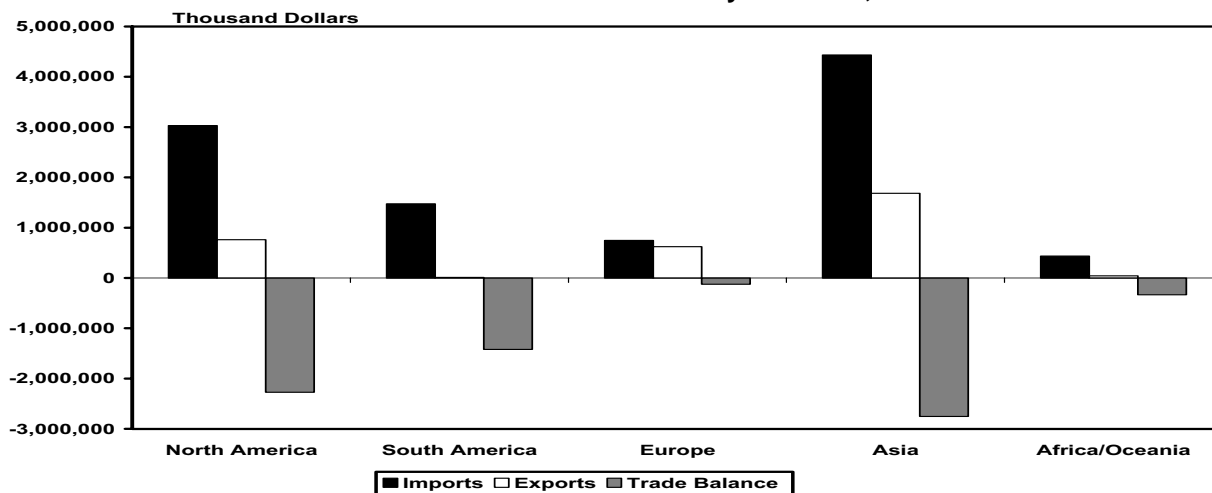
EXPORTS

U.S. exports of edible fishery products were 2.4 billion pounds valued at \$3.1 billion, a decrease of 166.7 million pounds and \$74.8 million when compared with 2001. Fresh and frozen items were 2.0 billion pounds valued at \$2.3 billion, a decrease of 202.9 million pounds but an increase of \$1.8 million compared with 2001. In terms of individual items, fresh and frozen exports consisted principally of 173.1 million pounds of salmon valued at \$246.9 million, 420.9 million pounds of surimi valued at \$368.2 million and 67.1 million pounds of lobsters valued at \$302.4 million.

Canned items were 200.3 million pounds valued at \$225.1 million. Salmon was the major canned item exported, with 98.6 million pounds valued at \$141.0 million. Cured items were 13.0 million pounds valued at \$18.8 million. Caviar and roe exports were 130.2 million pounds valued at \$513.4 million.

Exports of nonedible products were valued at \$8.6 billion unchanged when compared with 2001. Exports of fish meal amounted to 248.6 million pounds valued at \$76.3 million. The total value of edible and nonedible exports was \$11.7 billion—a decrease of \$120.1 million compared with 2001.

U.S. Trade in Edible Fishery Products, 2002



FISHERY PRODUCTS IMPORTS, BY PRINCIPAL ITEMS, 2001 AND 2002

Item	2001			2002		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Edible fishery products:						
Fresh and frozen:						
Whole or eviscerated:						
Freshwater	131,474	59,636	97,370	128,727	58,390	96,086
Flatfish	33,534	15,211	78,141	46,541	21,111	92,484
Groundfish	51,764	23,480	48,897	54,266	24,615	52,824
Salmon	158,835	72,047	323,476	182,243	82,665	343,510
Tuna (1)	404,811	183,621	515,327	357,701	162,252	417,156
Other	261,655	118,686	362,106	257,585	116,840	379,769
Fillets and steaks:						
Freshwater	91,083	41,315	204,150	111,495	50,574	250,168
Flatfish	47,952	21,751	103,447	51,519	23,369	106,624
Groundfish	194,684	88,308	358,316	231,450	104,985	424,054
Salmon	227,173	103,045	494,698	272,330	123,528	530,186
Other	234,633	106,429	460,325	255,747	116,006	496,013
Blocks and slabs	146,681	66,534	158,952	147,029	66,692	164,702
Surimi	1,642	745	1,403	7,846	3,559	5,841
Shrimp	878,308	398,398	3,617,141	942,365	427,454	3,413,932
Crabmeat	28,470	12,914	153,862	22,743	10,316	99,578
Lobster:						
American	67,485	30,611	431,470	72,963	33,096	479,689
Spiny	24,226	10,989	295,662	26,909	12,206	345,421
Scallops (meats)	39,696	18,006	128,365	48,210	21,868	143,778
Other fish and shellfish	424,661	192,625	998,963	452,532	205,267	1,106,797
Total, fresh and frozen	3,448,768	1,564,351	8,832,071	3,670,203	1,664,793	8,948,612
Canned:						
Anchovy	7,582	3,439	18,058	7,271	3,298	17,026
Herring	9,090	4,123	9,775	8,408	3,814	9,928
Mackerel	26,327	11,942	12,717	21,887	9,928	13,067
Salmon	6,362	2,886	11,815	10,013	4,542	16,892
Sardines	54,758	24,838	60,888	48,986	22,220	52,591
Tuna	292,202	132,542	314,105	378,140	171,523	398,659
Clams	14,284	6,479	15,684	11,751	5,330	11,709
Crabmeat	36,923	16,748	214,243	45,294	20,545	265,237
Lobsters	79	36	981	104	47	1,045
Oysters	11,945	5,418	23,668	12,842	5,825	24,107
Shrimp	4,273	1,938	9,657	4,076	1,849	8,157
Balls, cakes, and puddings	18,635	8,453	24,905	19,872	9,014	23,145
Other fish and shellfish	56,808	25,768	57,741	63,669	28,880	65,085
Total, canned	539,267	244,610	774,237	632,312	286,815	906,648
Cured:						
Dried	15,509	7,035	46,481	16,464	7,468	47,744
Pickled or salted	42,943	19,479	60,891	46,191	20,952	68,032
Smoked or kippered	13,212	5,993	42,744	14,325	6,498	45,619
Total, cured	71,665	32,507	150,116	76,980	34,918	161,395
Caviar and roe	5,154	2,338	43,210	5,317	2,412	31,392
Prepared meals	5,798	2,630	19,614	5,300	2,404	16,487
Other fish and shellfish	31,341	14,216	45,183	37,024	16,794	56,729
Total edible fishery products	4,101,993	1,860,652	9,864,431	4,427,137	2,008,136	10,121,263
Nonedible fishery products:						
Meal and scrap	113,277	51,382	26,838	147,982	67,124	38,619
Fish oils	23,532	10,674	16,832	33,415	15,157	21,666
Other	-	-	8,639,068	-	-	9,509,626
Total nonedible fishery products	-	-	8,682,738	-	-	9,569,911
Grand total	-	-	18,547,169	-	-	19,691,174

(1) Includes loins and discs.

Note:--Data include imports into the United States and Puerto Rico and landings of tuna by foreign vessels at American Samoa. Statistics on imports are the weight of individual products as exported, i.e., fillets, steaks, headed, etc. Imports and Exports of Fishery Products, Annual Summary, 2002, Current Fishery Statistics No. 2002-2 provides additional information.

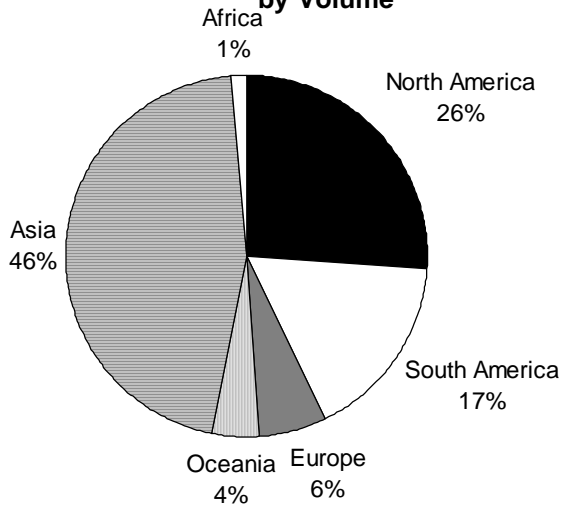
Source:—U.S. Department of Commerce, Bureau of the Census.

EDIBLE AND NONEDIBLE FISHERY PRODUCTS IMPORTS, 1993-2002

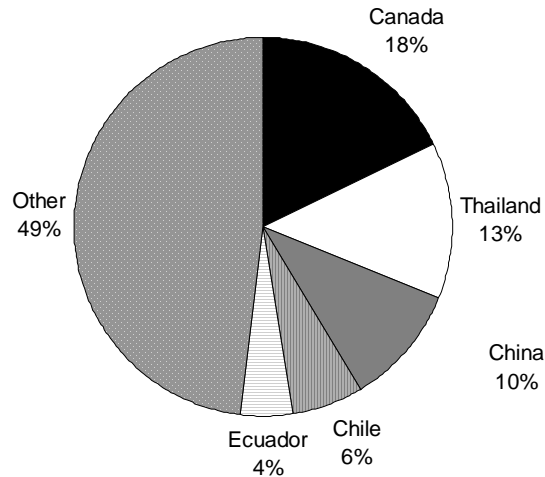
Year	Edible		Nonedible		Total
	Thousand pounds	Metric tons	Thousand dollars		
1993	2,917,160	1,323,215	5,848,738	4,773,649	10,622,387
1994	3,034,841	1,376,595	6,645,132	5,341,740	11,986,872
1995	3,066,458	1,390,936	6,791,690	5,659,933	12,451,623
1996	3,169,787	1,437,806	6,729,614	6,330,741	13,060,355
1997	3,338,849	1,514,492	7,754,243	6,774,083	14,528,326
1998	3,647,021	1,654,278	8,173,185	7,459,487	15,632,672
1999	3,887,891	1,763,536	9,013,886	8,025,696	17,039,582
2000	3,978,243	1,804,519	10,054,045	8,959,391	19,013,436
2001	4,101,993	1,860,652	9,864,431	8,682,738	18,547,169
2002	4,427,137	2,008,136	10,121,263	9,569,911	19,691,174

Source:--U.S. Department of Commerce, Bureau of the Census.

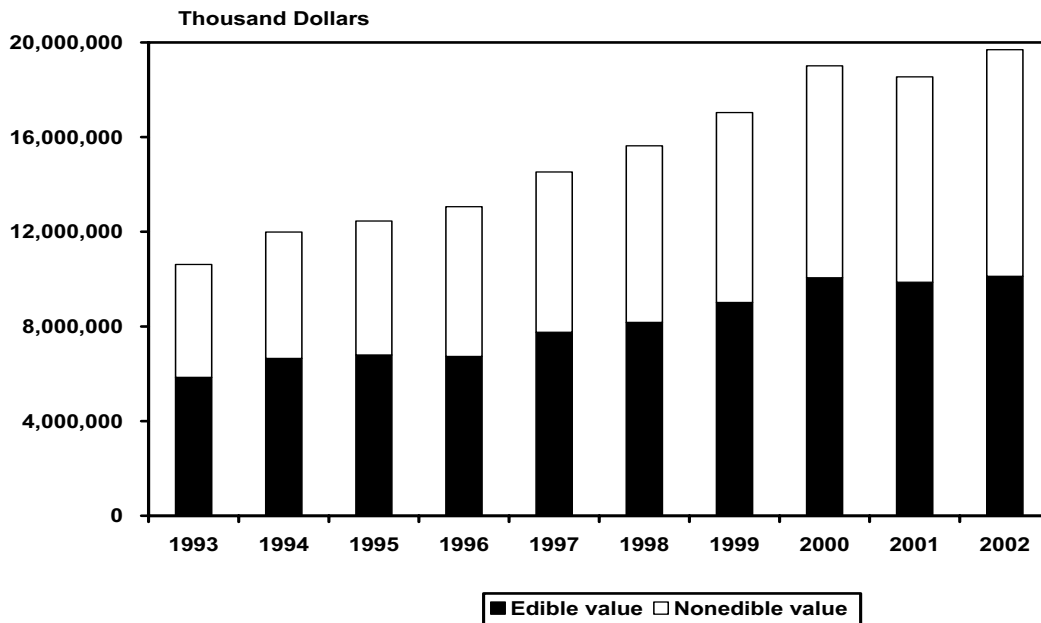
**U.S. Imports from Major Areas, 2002
by Volume**



**U.S. Imports from Major Exporters, 2002
by Volume**



U.S. Fishery Product Imports



EDIBLE AND NONEDIBLE FISHERY PRODUCTS IMPORTS, 2002

Continent and Country	Edible		-----Thousand dollars-----	Nonedible	Total
	Thousand pounds	Metric tons			
North America:					
Canada	779,469	353,565	2,047,522	947,519	2,995,041
Mexico	104,520	47,410	372,431	256,068	628,499
Dominican Republic	1,486	674	2,179	196,078	198,257
Honduras	34,771	15,772	133,765	495	134,260
Costa Rica	33,195	15,057	81,348	27,071	108,419
Other	139,686	63,361	394,171	75,282	469,453
Total	1,093,127	495,839	3,031,416	1,502,513	4,533,929
South America:					
Chile	298,750	135,512	507,672	17,403	525,075
Ecuador	221,404	100,428	434,941	9,314	444,255
Brazil	76,167	34,549	199,340	36,686	236,026
Argentina	69,405	31,482	91,322	17,801	109,123
Venezuela	32,346	14,672	89,833	2,746	92,579
Other	79,544	36,081	150,333	144,554	294,887
Total	777,615	352,724	1,473,441	228,504	1,701,945
Europe:					
European Union:					
Italy	1,757	797	4,364	1,569,106	1,573,470
France	4,583	2,079	13,336	785,892	799,228
Germany	2,619	1,188	3,295	316,753	320,048
United Kingdom	16,486	7,478	26,668	277,407	304,075
Spain	15,781	7,158	30,438	88,308	118,746
Other	24,149	10,954	54,868	175,483	230,351
Total	65,375	29,654	132,969	3,212,949	3,345,918
Other:					
Russian Federation	57,873	26,251	270,953	5,286	276,239
Iceland	65,230	29,588	165,831	18,503	184,334
Switzerland	18	8	46	172,927	172,973
Norway	56,766	25,749	127,248	29,958	157,206
Turkey	2,319	1,052	6,887	148,381	155,268
Other	19,339	8,772	41,907	47,522	89,429
Total	201,545	91,420	612,872	422,577	1,035,449
Asia:					
Thailand	545,663	247,511	1,363,793	677,097	2,040,890
China	571,029	259,017	876,503	778,290	1,654,793
India	127,104	57,654	395,791	891,251	1,287,042
Viet Nam	189,033	85,745	620,253	2,336	622,589
China - Hong Kong	5,331	2,418	7,912	572,359	580,271
Other	607,687	275,645	1,170,020	1,068,238	2,238,258
Total	2,045,847	927,990	4,434,272	3,989,571	8,423,843
Oceania:					
New Zealand	92,408	41,916	153,979	17,702	171,681
Australia	11,576	5,251	76,510	81,640	158,150
Fiji	38,356	17,398	57,485	2,350	59,835
French Polynesia	2,057	933	4,385	29,420	33,805
Vanuatu	19,070	8,650	12,636	47	12,683
Other	33,296	15,103	29,740	3,059	32,799
Total	196,763	89,251	334,735	134,218	468,953
Africa:					
South Africa	12,410	5,629	29,415	51,820	81,235
Seychelles	10,734	4,869	24,454	7	24,461
Morocco	11,109	5,039	18,739	3,268	22,007
Zimbabwe	-	-	-	16,254	16,254
Tanzania	2,998	1,360	5,147	1,793	6,940
Other	9,614	4,361	23,803	6,437	30,240
Total	46,865	21,258	101,558	79,579	181,137
Grand total	4,427,137	2,008,136	10,121,263	9,569,911	19,691,174

Source:--U.S. Department of Commerce, Bureau of the Census.

**REGULAR AND MINCED FISH BLOCKS AND SLABS IMPORTS,
BY SPECIES AND TYPE, 2001 AND 2002**

Species and type	2001			2002		
	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>
Regular blocks and slabs:						
Cod	21,515	9,759	38,510	21,484	9,745	38,285
Flatfish	4,784	2,170	5,630	3,219	1,460	4,905
Haddock	4,228	1,918	8,647	4,720	2,141	9,077
Ocean perch	377	171	641	668	303	973
Pollock	74,401	33,748	61,390	77,606	35,202	62,716
Whiting	9,705	4,402	7,984	7,013	3,181	5,213
Other	4,059	1,841	7,251	5,778	2,621	10,701
Total	119,068	54,009	130,053	120,488	54,653	131,870
Minced blocks and slabs	27,613	12,525	28,899	26,541	12,039	32,832
Grand total	146,681	66,534	158,952	147,029	66,692	164,702

Source:--U.S. Department of Commerce, Bureau of the Census.

**REGULAR AND MINCED FISH BLOCKS AND SLABS IMPORTS,
BY COUNTRY OF ORIGIN, 2001 AND 2002**

Country	2001			2002		
	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>
China	72,040	32,677	63,717	90,541	41,069	84,315
Canada	11,900	5,398	13,300	12,463	5,653	13,612
Russian Federation	20,205	9,165	21,310	9,352	4,242	13,474
Denmark	5,622	2,550	10,939	4,643	2,106	9,239
Iceland	3,492	1,584	5,473	3,483	1,580	4,949
Argentina	4,645	2,107	4,527	5,807	2,634	4,621
New Zealand	2,013	913	2,822	3,137	1,423	4,614
Norway	3,349	1,519	6,408	2,341	1,062	4,458
Thailand	2,824	1,281	4,529	2,776	1,259	4,428
Other	20,591	9,340	25,927	12,487	5,664	20,992
Total	146,681	66,534	158,952	147,029	66,692	164,702

Source:--U.S. Department of Commerce, Bureau of the Census.

GROUND FISH FILLET AND STEAK IMPORTS, BY SPECIES, 2001 AND 2002 (1)

Species	2001			2002		
	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>
Cod	83,085	37,687	207,525	101,116	45,866	252,666
Haddock (2)	92,767	42,079	119,796	112,536	51,046	143,369
Ocean perch	18,832	8,542	30,995	17,798	8,073	28,019
Total	194,684	88,308	358,316	231,450	104,985	424,054

(1) Does not include data on fish blocks and slabs.

(2) Includes some quantities of cusk, hake, and pollock fillets.

Source:--U.S. Department of Commerce, Bureau of the Census.

CANNED TUNA NOT IN OIL, QUOTA AND IMPORTS, 1993-2002

Year	Quota (1)		Over quota (2)		Total	
	Thousand pounds	Metric tons	Thousand pounds	Metric tons	Thousand pounds	Metric tons
1993	72,681	32,968	144,287	65,448	216,968	98,416
1994	73,294	33,246	168,224	76,306	241,518	109,552
1995	73,367	33,279	126,176	57,233	199,543	90,512
1996	80,027	36,300	117,205	53,164	197,232	89,464
1997	78,620	35,662	139,714	63,374	218,335	99,036
1998	67,317	30,535	176,648	80,127	243,965	110,662
1999	72,086	32,698	249,016	112,953	321,102	145,651
2000	62,403	28,306	245,211	111,227	307,614	139,533
2001	65,155	29,554	220,528	100,031	285,683	129,585
2002	39,947	18,120	323,042	146,531	362,990	164,651

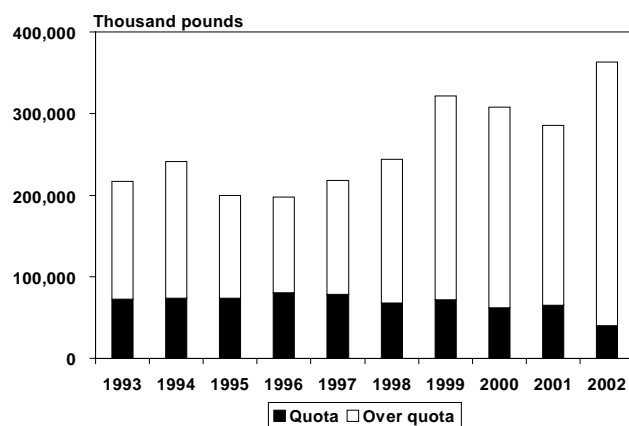
(1) Imports have been subject to tariff quotas since April 14, 1956, and are based on 20 percent of the previous year's domestic pack, excluding the pack in American Samoa. Dutiable in 1956 to 1967 at 12.5 percent ad valorem; 1968, 11 percent; 1969, 10 percent; 1970, 8.5 percent; 1971, 7 percent; and 1972 to 2002, 6 percent.

(2) Dutiable in 1972 to 2002, 12.5 percent.

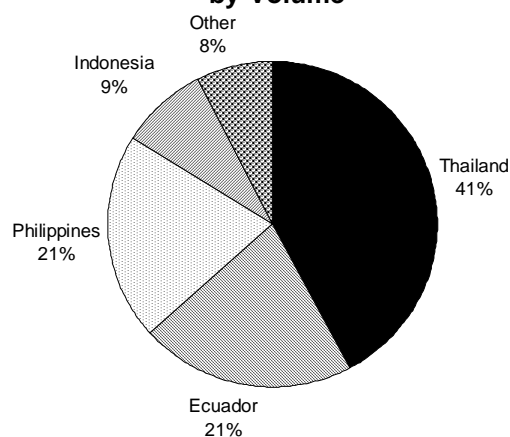
Note:—Data in this table will not agree with tuna import data released by the U.S. Department of Commerce, Bureau of the Census. Any tuna entered for consumption or withdrawn from a warehouse for consumption during the calendar year, except for receipts for possessions of the U.S., is subject to this quota.

Source:—U.S. Department of the Treasury, U.S. Customs Service.

Canned Tuna Quota and Imports



Imports of Canned Tuna by Major Exporter, 2002



CANNED TUNA, BY COUNTRY OF ORIGIN, 2001 AND 2002

Country	2001			2002		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Thailand	141,176	64,037	167,503	159,699	72,439	175,049
Ecuador	32,225	14,617	44,221	79,529	36,074	106,061
Philippines	62,090	28,164	42,582	78,023	35,391	56,139
Indonesia	33,543	15,215	37,044	32,220	14,615	35,881
Papua New Guinea	11,482	5,208	7,976	12,236	5,550	8,464
Viet Nam	3,477	1,577	2,667	8,680	3,937	6,626
Malaysia	3,034	1,376	4,926	2,070	939	3,019
Mexico	659	299	675	2,130	966	2,153
South Korea	2,776	1,259	3,632	741	336	1,090
Other	1,742	790	2,879	2,813	1,276	4,177
Total	292,202	132,542	314,105	378,140	171,523	398,659

Source:—U.S. Department of Commerce, Bureau of the Census.

SHRIMP IMPORTS, BY COUNTRY OF ORIGIN, 2001 AND 2002

Country	2001			2002		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
North America:						
Mexico	66,175	30,017	380,961	53,565	24,297	264,070
Honduras	21,352	9,685	72,575	21,563	9,781	63,991
Panama	15,176	6,884	70,452	14,118	6,404	57,141
Canada	14,775	6,702	40,767	17,782	8,066	47,577
Nicaragua	11,098	5,034	36,266	10,406	4,720	30,971
Belize	6,089	2,762	20,623	5,600	2,540	16,650
Guatemala	5,922	2,686	19,121	5,313	2,410	15,278
Costa Rica	2,269	1,029	10,280	2,185	991	8,507
El Salvador	3,477	1,577	16,258	1,239	562	6,222
Greenland	150	68	344	688	312	1,161
Other	474	215	1,245	79	36	703
Total	146,956	66,659	668,892	132,538	60,119	512,271
South America:						
Ecuador	58,995	26,760	224,288	65,510	29,715	199,110
Brazil	21,647	9,819	63,639	39,094	17,733	87,691
Venezuela	20,981	9,517	78,697	22,738	10,314	65,412
Guyana	25,772	11,690	53,188	21,290	9,657	36,586
Colombia	6,967	3,160	31,176	7,209	3,270	25,961
Argentina	5,075	2,302	28,329	6,958	3,156	25,619
Suriname	5,333	2,419	11,728	5,666	2,570	11,590
Peru	1,649	748	6,028	3,931	1,783	10,781
Chile	260	118	1,078	269	122	943
Total	146,679	66,533	498,151	172,664	78,320	463,693
Europe:						
European Union:						
United Kingdom	265	120	851	130	59	473
Denmark	86	39	211	183	83	308
Spain	11	5	92	73	33	250
Sweden	-	-	-	40	18	88
Portugal	9	4	12	31	14	88
Other	201	91	764	11	5	40
Total	571	259	1,930	467	212	1,247
Other:						
Iceland	86	39	301	236	107	731
Georgia	-	-	-	22	10	173
Monaco	-	-	-	22	10	155
Norway	84	38	260	51	23	149
Estonia	-	-	-	29	13	95
Other	-	-	-	26	12	29
Total	170	77	561	386	175	1,332
Asia:						
Thailand	299,998	136,078	1,266,056	253,760	115,105	976,101
Viet Nam	73,343	33,268	381,504	98,515	44,686	481,357
India	72,485	32,879	264,750	97,543	44,245	363,558
China	61,766	28,017	191,593	109,143	49,507	297,566
Indonesia	34,939	15,848	155,525	38,442	17,437	153,093
Bangladesh	19,237	8,726	92,244	18,816	8,535	87,626
Burma	5,734	2,601	24,262	6,283	2,850	23,861
Malaysia	3,291	1,493	14,942	3,360	1,524	13,891
Philippines	3,876	1,758	17,352	2,899	1,315	11,105
Saudi Arabia	1,387	629	7,159	1,356	615	4,926
Other	11,146	5,056	36,087	9,312	4,224	24,698
Total	587,202	266,353	2,451,474	639,429	290,043	2,437,782
Oceania	884	401	4,912	653	296	3,591
Africa	119	54	878	304	138	2,173
Grand total	882,581	400,336	3,626,798	946,441	429,303	3,422,089

Note:--Statistics on imports are the weights of the individual products as received, i.e., raw headless, peeled, etc.

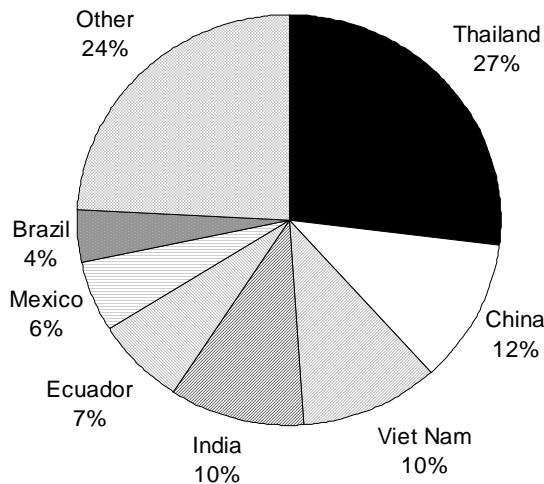
Source:--U.S. Department of Commerce, Bureau of the Census.

SHRIMP IMPORTS, BY TYPE OF PRODUCT, 2001 AND 2002

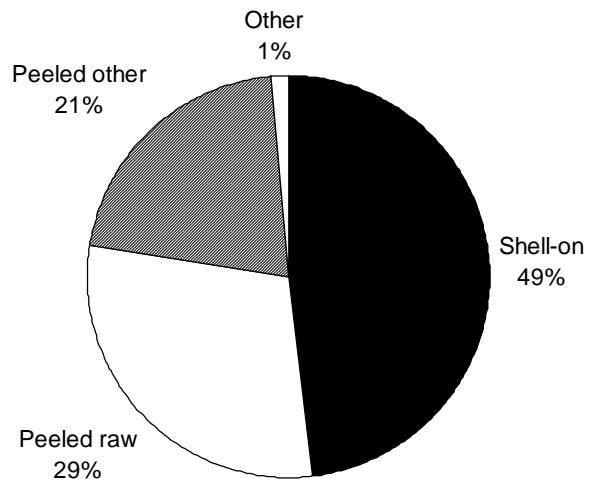
Type of product	2001			2002		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Shell-on (heads off)	441,577	200,298	1,922,905	455,799	206,749	1,649,946
Peeled:						
Canned	4,273	1,938	9,657	4,076	1,849	8,157
Not breaded:						
Raw	276,516	125,427	1,056,559	277,718	125,972	1,005,115
Other	153,114	69,452	612,274	198,897	90,219	728,573
Breaded	7,101	3,221	25,403	9,952	4,514	30,298
Total	882,581	400,336	3,626,798	946,441	429,303	3,422,089

Source:--U.S. Department of Commerce, Bureau of the Census.

Shrimp Imports by Major Exporter, 2002 by Volume



Shrimp Imports by Type, 2002 by Volume



FISH MEAL AND SCRAP IMPORTS, BY COUNTRY OF ORIGIN, 2001 AND 2002

Country	2001			2002		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Iceland	30,880	14,007	7,596	61,246	27,781	16,707
Mexico	24,281	11,014	4,746	37,626	17,067	8,196
Canada	17,919	8,128	4,925	20,714	9,396	6,173
Peru	24,048	10,908	5,235	9,211	4,178	2,456
Panama	-	-	-	8,984	4,075	1,585
Chile	3,272	1,484	657	4,564	2,070	1,065
China	448	203	550	1,111	504	833
Japan	3,552	1,611	837	2,432	1,103	724
Denmark	2,551	1,157	757	1,074	487	399
Other	6,327	2,870	1,535	1,021	463	481
Total	113,277	51,382	26,838	147,982	67,124	38,619

Source:--U.S. Department of Commerce, Bureau of the Census.

FISHERY PRODUCTS EXPORTS, BY PRINCIPAL ITEMS, 2001 AND 2002 (1)

Item	2001			2002		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Edible fishery products:						
Fresh and frozen:						
Whole or eviscerated:						
Freshwater	9,209	4,177	7,180	13,214	5,994	9,161
Flatfish	136,681	61,998	113,824	148,852	67,519	119,652
Groundfish	247,365	112,204	223,893	229,058	103,900	211,468
Herring	86,447	39,212	34,708	33,625	15,252	15,372
Sablefish	21,568	9,783	56,419	18,686	8,476	47,567
Salmon	209,115	94,854	300,695	173,147	78,539	246,868
Tuna	30,569	13,866	36,748	33,735	15,302	37,699
Other	308,448	139,911	192,116	299,718	135,951	209,542
Fillets, and steaks:						
Freshwater	1,162	527	2,022	4,713	2,138	5,319
Groundfish	162,353	73,643	154,424	177,501	80,514	179,537
Other	72,055	32,684	115,189	37,679	17,091	69,731
Blocks and slabs	92,276	41,856	77,127	58,140	26,372	58,329
Surimi	402,309	182,486	301,503	420,882	190,911	368,236
Fish sticks	51,797	23,495	48,579	47,029	21,332	55,228
Clams	800	363	1,969	1,839	834	4,452
Crabs	26,129	11,852	80,710	28,796	13,062	82,643
Crabmeat	6,074	2,755	18,813	6,673	3,027	21,091
Lobsters	59,606	27,037	260,290	67,123	30,447	302,358
Scallops (meats)	10,295	4,670	38,217	10,117	4,589	38,576
Sea urchins	4,266	1,935	10,506	3,318	1,505	11,843
Shrimp	32,531	14,756	122,162	33,201	15,060	124,521
Squid	212,087	96,202	74,276	132,609	60,151	51,804
Other fish and shellfish	29,930	9,399	48,902	34,467	9,640	51,087
Total, fresh and frozen	2,203,861	999,665	2,320,272	2,000,908	907,606	2,322,084
Canned:						
Salmon	110,076	49,930	168,254	98,563	44,708	140,891
Sardines	21,248	9,638	11,047	35,692	16,190	14,750
Tuna	3,521	1,597	4,389	3,589	1,628	3,702
Abalone	115	52	1,429	291	132	4,262
Crabmeat	1,931	876	5,632	1,186	538	3,895
Shrimp	3,091	1,402	16,096	3,322	1,507	16,606
Squid	23,647	10,726	8,572	29,927	13,575	11,575
Other fish and shellfish	19,568	8,876	24,612	27,760	12,592	29,373
Total, canned	183,196	83,097	240,031	200,332	90,870	225,054
Cured:						
Dried	2,370	1,075	6,202	1,858	843	6,263
Pickled or salted	19,833	8,996	22,519	10,040	4,554	10,156
Smoked or kippered	589	267	2,571	1,109	503	2,371
Total, cured	22,791	10,338	31,292	13,007	5,900	18,790
Caviar and roe:						
Herring	15,470	7,017	23,658	25,124	11,396	20,069
Pollock	57,000	25,855	350,162	60,836	27,595	287,189
Salmon	21,010	9,530	100,288	22,339	10,133	103,873
Sea urchin	2,707	1,228	48,631	2,491	1,130	43,808
Other	11,301	5,126	44,148	19,367	8,785	58,491
Total, caviar and roe	107,487	48,756	566,887	130,157	59,039	513,430
Prepared meals	6,347	2,879	14,689	7,899	3,583	18,661
Other fish and shellfish	41,277	18,723	21,329	45,911	20,825	21,687
Total edible products	2,564,960	1,163,458	3,194,500	2,398,215	1,087,823	3,119,706
Nonedible products:						
Meal and scrap	238,068	107,987	67,682	248,591	112,760	76,318
Fish oils	248,798	112,854	41,669	212,806	96,528	49,338
Other	-	-	8,571,427	-	-	8,517,472
Total nonedible products	-	-	8,639,109	-	-	8,593,790
Grand total	-	-	11,833,609	-	-	11,713,496

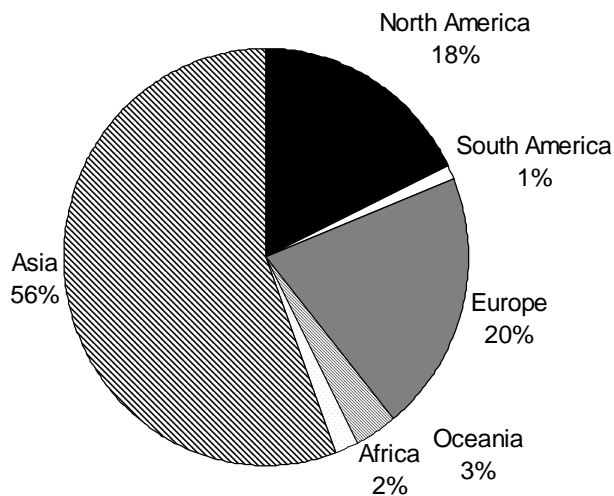
68 (1) Figures reflect both domestic and foreign (re-exports).
Source:--U.S. Department of Commerce, Bureau of the Census.

EDIBLE AND NONEDIBLE FISHERY PRODUCTS EXPORTS, 1993-2002 (1)

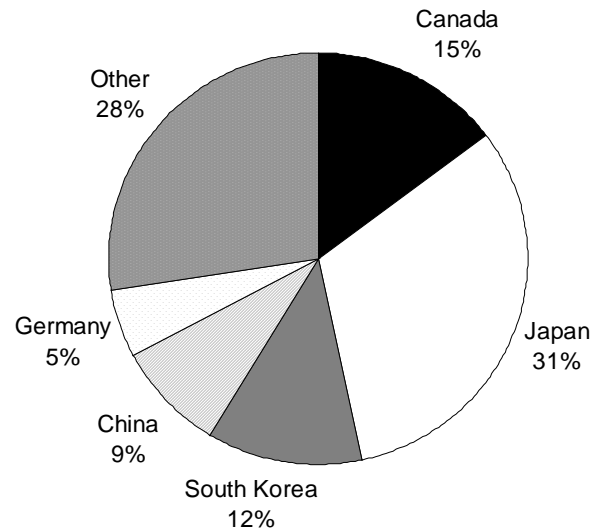
Year	Edible		Nonedible	Total
	Thousand pounds	Metric tons		
			-----Thousand dollars-----	
1993	1,986,027	900,856	3,076,813	6,924,724
1994	1,978,507	897,445	3,126,120	7,380,861
1995	2,047,181	928,595	3,262,242	8,268,120
1996	2,112,055	958,022	3,032,282	8,653,451
1997	2,018,889	915,762	2,713,082	9,353,615
1998	1,663,889	754,735	2,259,727	8,697,112
1999	1,961,122	889,559	2,848,548	10,006,850
2000	2,164,994	982,035	2,951,717	10,781,535
2001	2,564,960	1,163,458	3,194,500	11,833,609
2002	2,398,215	1,087,823	3,119,706	11,713,496

(1) Figures reflect both domestic and foreign (re-exports).
 Source:--U.S. Department of Commerce, Bureau of the Census.

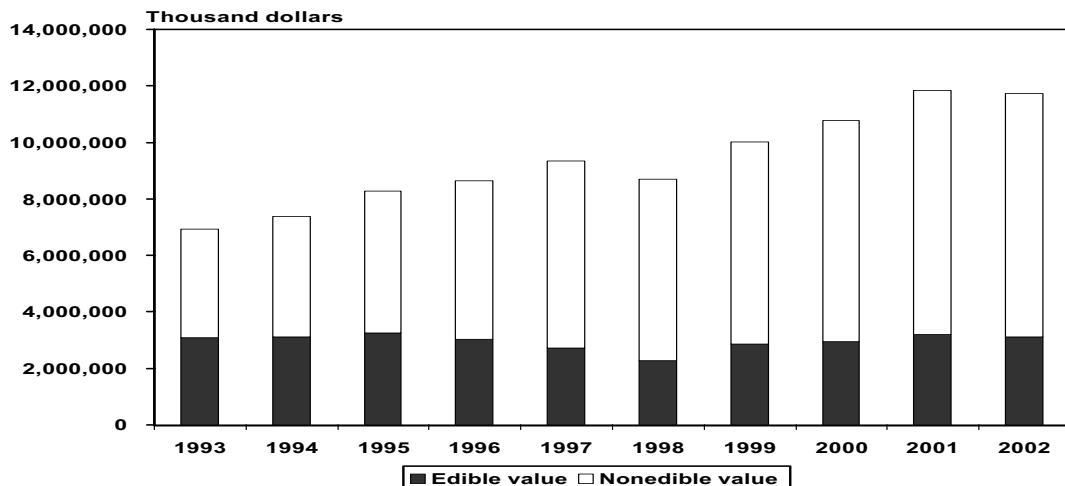
U.S. Exports to Major Areas, 2002 by Volume



U.S. Exports to Major Importers, 2002 by Volume



U.S. Fishery Product Exports



EDIBLE AND NONEDIBLE FISHERY PRODUCTS EXPORTS, 2002 (1)

Continent and Country	Edible		-----Thousand dollars-----	Nonedible	Total
	Thousand pounds	Metric tons			
North America:					
Canada	353,188	160,205	648,477	1,681,410	2,329,887
Mexico	47,937	21,744	77,914	915,940	993,854
Netherlands Antilles	370	168	916	221,339	222,255
Dominican Republic	6,250	2,835	8,275	138,845	147,120
Aruba	295	134	537	58,850	59,387
Other	14,330	6,500	24,531	320,470	345,001
Total	422,370	191,586	760,650	3,336,854	4,097,504
South America:					
Brazil	5,117	2,321	2,813	174,334	177,147
Venezuela	7,910	3,588	4,338	68,372	72,710
Colombia	392	178	633	54,088	54,721
Chile	278	126	523	39,852	40,375
Argentina	152	69	191	32,130	32,321
Other	1,287	584	2,372	71,643	74,015
Total	15,137	6,866	10,870	440,419	451,289
Europe:					
European Union:					
United Kingdom	68,093	30,887	86,286	320,097	406,383
Germany	124,950	56,677	126,884	155,315	282,199
Netherlands	69,123	31,354	74,880	205,039	279,919
France	61,475	27,885	97,832	155,793	253,625
Italy	15,375	6,974	46,773	134,031	180,804
Other	107,082	48,572	128,876	295,629	424,505
Total	446,099	202,349	561,531	1,265,904	1,827,435
Other:					
Switzerland	2,877	1,305	4,308	658,299	662,607
Norway	23,212	10,529	24,537	12,128	36,665
Russian Federation	9,290	4,214	11,754	18,678	30,432
Turkey	1,228	557	251	19,563	19,814
Lithuania	13,920	6,314	10,471	2,613	13,084
Other	15,986	7,251	9,785	37,004	46,789
Total	66,513	30,170	61,106	748,285	809,391
Asia:					
Japan	765,752	347,343	1,091,482	819,991	1,911,473
South Korea	286,378	129,900	312,125	221,142	533,267
China - Hong Kong	11,969	5,429	34,148	450,827	484,975
China	205,255	93,103	138,926	200,542	339,468
Thailand	31,173	14,140	33,467	131,157	164,624
Other	59,288	26,893	73,695	720,923	794,618
Total	1,359,815	616,808	1,683,843	2,544,582	4,228,425
Oceania:					
Australia	62,681	28,432	30,460	143,764	174,224
New Zealand	2,743	1,244	2,293	25,688	27,981
French Polynesia	2,414	1,095	1,875	739	2,614
Fiji	1,854	841	688	363	1,051
New Caledonia	172	78	37	339	376
Other	1,303	591	626	661	1,287
Total	71,167	32,281	35,979	171,554	207,533
Africa:					
Egypt	46	21	542	30,583	31,125
South Africa	2,526	1,146	1,374	25,214	26,588
Nigeria	14,299	6,486	3,547	6,003	9,550
Kenya	4	2	14	6,614	6,628
Zimbabwe	-	-	-	3,746	3,746
Other	238	108	250	14,032	14,282
Total	17,114	7,763	5,727	86,192	91,919
Grand total	2,398,215	1,087,823	3,119,706	8,593,790	11,713,496

(1) Figures reflect both domestic and foreign (re-exports).

Source:--U.S. Department of Commerce, Bureau of the Census.

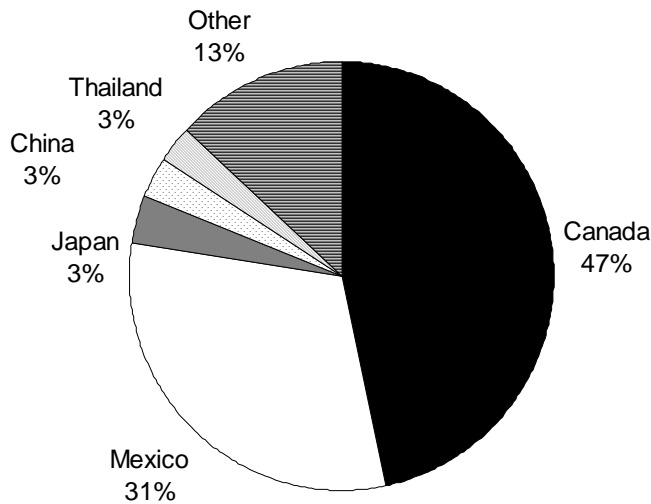
FRESH AND FROZEN SHRIMP EXPORTS, BY COUNTRY OF DESTINATION, 2001 AND 2002 (1)

Country	2001			2002		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Canada	14,870	6,745	53,657	15,478	7,021	55,769
Mexico	10,454	4,742	36,554	10,276	4,661	37,100
Japan	897	407	5,021	1,162	527	6,623
China	617	280	1,734	1,030	467	3,933
Thailand	679	308	2,655	944	428	3,588
Dominican Republic	265	120	1,058	642	291	2,492
Viet Nam	236	107	1,452	390	177	1,525
Bermuda	185	84	1,167	209	95	1,221
Ecuador	357	162	1,597	247	112	969
Other	3,970	1,801	17,267	2,824	1,281	11,301
Total	32,531	14,756	122,162	33,201	15,060	124,521

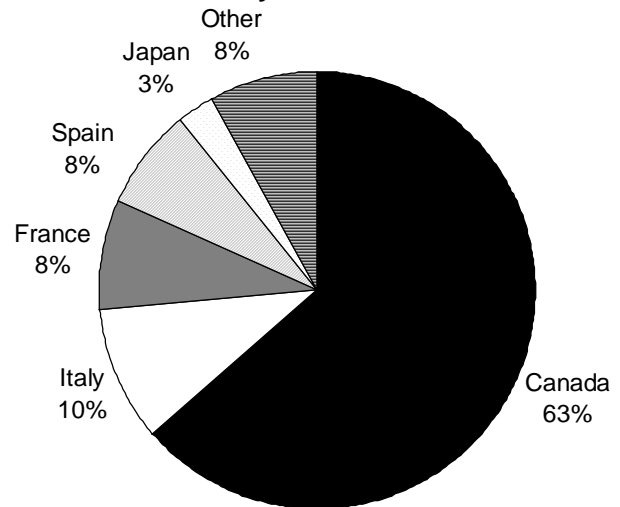
(1) Figures reflect both domestic and foreign (re-exports).

Source:--U.S. Department of Commerce, Bureau of the Census.

U.S. Shrimp Exports by Major Importer, 2002 by Volume



U.S. Lobster Exports by Major Importer, 2002 by Volume



FRESH AND FROZEN LOBSTER EXPORTS, BY COUNTRY OF DESTINATION, 2001 AND 2002 (1)

Country	2001			2002		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Canada	35,644	16,168	127,158	42,749	19,391	153,863
Italy	6,909	3,134	35,458	6,726	3,051	37,414
France	5,110	2,318	26,652	5,322	2,414	31,903
Spain	5,004	2,270	25,510	5,046	2,289	29,469
Japan	1,682	763	11,885	1,839	834	13,156
South Korea	664	301	4,663	1,166	529	9,091
China - Taipei	798	362	6,658	661	300	5,653
Germany	719	326	4,488	683	310	4,402
Belgium	637	289	3,650	723	328	4,291
Other	2,438	1,106	14,168	2,207	1,001	13,116
Total	59,606	27,037	260,290	67,123	30,447	302,358

(1) Figures reflect both domestic and foreign (re-exports).

Source:--U.S. Department of Commerce, Bureau of the Census.

**FRESH AND FROZEN SALMON EXPORTS, WHOLE OR EVISCERATED,
BY COUNTRY OF DESTINATION, 2001 AND 2002 (1)**

Country	2001			2002		
	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>
Japan	71,094	32,248	145,069	63,298	28,712	120,710
Canada	43,129	19,563	63,959	28,080	12,737	42,423
China	20,448	9,275	16,304	12,249	5,556	17,384
Thailand	14,372	6,519	16,089	21,290	9,657	15,741
France	15,322	6,950	13,669	13,600	6,169	12,445
Netherlands	2,161	980	1,882	3,422	1,552	6,028
Germany	8,100	3,674	8,380	5,772	2,618	5,029
Sweden	1,887	856	1,591	2,313	1,049	3,433
Spain	3,880	1,760	3,837	3,455	1,567	3,068
Other	28,724	13,029	29,915	19,669	8,922	20,607
Total	209,115	94,854	300,695	173,147	78,539	246,868

(1) Figures reflect both domestic and foreign (re-exports).
Source:--U.S. Department of Commerce, Bureau of the Census.

**CANNED SALMON EXPORTS,
BY COUNTRY OF DESTINATION, 2001 AND 2002 (1)**

Country	2001			2002		
	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>
United Kingdom	40,205	18,237	65,305	42,663	19,352	59,799
Canada	33,490	15,191	51,820	25,212	11,436	43,949
Australia	12,288	5,574	15,655	12,174	5,522	14,241
Netherlands	5,185	2,352	6,837	6,883	3,122	8,072
Japan	4,720	2,141	8,548	1,554	705	2,787
Israel	1,645	746	2,648	1,362	618	1,937
France	1,892	858	2,621	985	447	1,251
Belgium	1,089	494	1,516	1,168	530	1,248
New Zealand	853	387	1,031	1,140	517	1,105
Other	8,708	3,950	12,273	5,421	2,459	6,502
Total	110,076	49,930	168,254	98,563	44,708	140,891

(1) Figures reflect both domestic and foreign (re-exports).
Source:--U.S. Department of Commerce, Bureau of the Census.

**FROZEN SURIMI EXPORTS,
BY COUNTRY OF DESTINATION, 2001 AND 2002 (1)**

Country	2001			2002		
	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>	<u>Thousand pounds</u>	<u>Metric tons</u>	<u>Thousand dollars</u>
Japan	207,327	94,043	154,297	234,499	106,368	208,169
South Korea	133,672	60,633	99,600	135,144	61,301	116,732
France	12,176	5,523	10,127	18,314	8,307	15,546
Lithuania	6,519	2,957	5,503	9,325	4,230	8,465
China - Taipei	5,968	2,707	5,081	5,800	2,631	4,456
Spain	4,841	2,196	3,546	4,191	1,901	3,288
Netherlands	3,973	1,802	2,650	1,726	783	1,748
Germany	5,750	2,608	5,108	1,870	848	1,554
Estonia	582	264	328	1,422	645	1,435
Other	21,501	9,753	15,263	8,591	3,897	6,843
Total	402,309	182,486	301,503	420,882	190,911	368,236

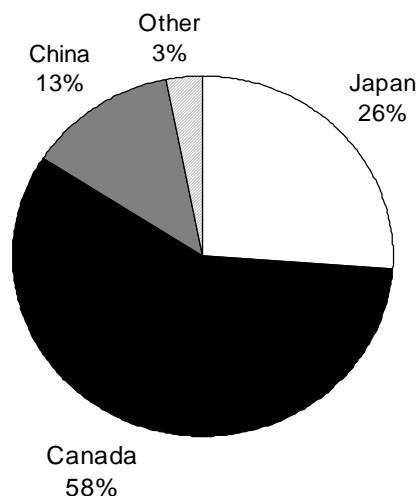
(1) Figures reflect both domestic and foreign (re-exports).
Source:--U.S. Department of Commerce, Bureau of the Census.

FRESH AND FROZEN CRAB EXPORTS, BY COUNTRY OF DESTINATION, 2001 AND 2002 (1)

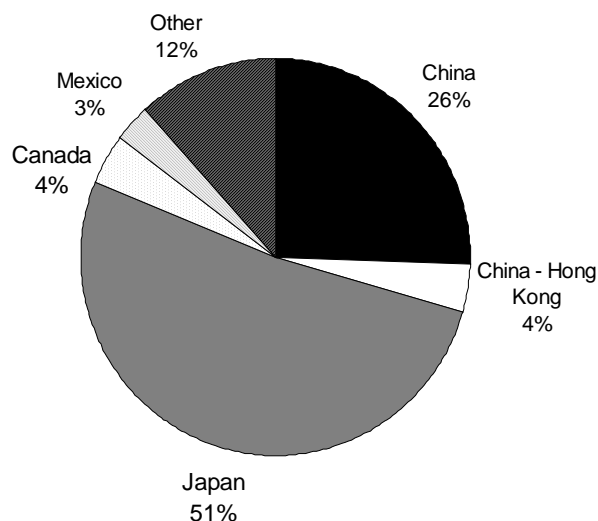
Country	2001			2002		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Japan	6,482	2,940	38,196	7,500	3,402	36,942
Canada	16,393	7,436	30,470	16,729	7,588	29,129
China	2,242	1,017	8,343	3,691	1,674	12,495
Thailand	249	113	758	106	48	807
South Korea	49	22	87	165	75	614
Mexico	126	57	362	159	72	323
China - Taipei	15	7	141	82	37	321
Germany	20	9	158	37	17	207
Qatar	-	-	-	40	18	199
Other	553	251	2,195	289	131	1,606
Total	26,129	11,852	80,710	28,796	13,062	82,643

(1) Figures reflect both domestic and foreign (re-exports).
Source:--U.S. Department of Commerce, Bureau of the Census.

U.S. Crab Exports by Major Importer, 2002 by Volume



U.S. Crabmeat Exports by Major Importer, 2002 by Volume



FRESH AND FROZEN CRABMEAT EXPORTS, BY COUNTRY OF DESTINATION, 2001 AND 2002 (1)

Country	2001			2002		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Japan	2,502	1,135	8,092	3,446	1,563	11,126
China	1,986	901	6,045	1,702	772	5,403
China - Hong Kong	104	47	461	260	118	1,158
Canada	183	83	464	284	129	816
Thailand	154	70	579	163	74	505
Mexico	289	131	762	209	95	422
South Korea	73	33	190	163	74	368
Indonesia	-	-	-	62	28	282
Turks & Caicos	31	14	217	35	16	240
Other	752	341	2,003	348	158	771
Total	6,074	2,755	18,813	6,673	3,027	21,091

(1) Figures reflect both domestic and foreign (re-exports).
Source:--U.S. Department of Commerce, Bureau of the Census.

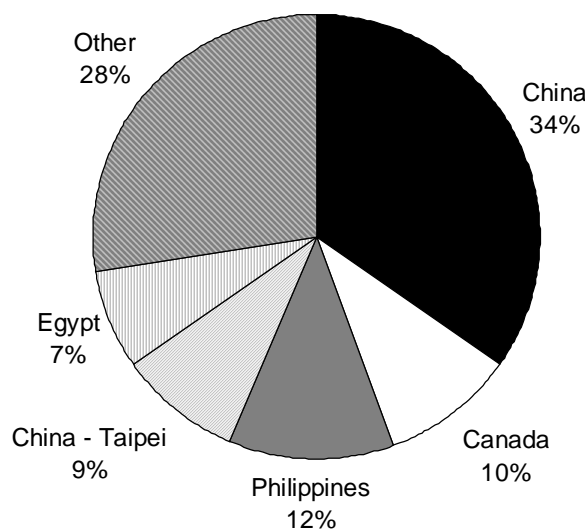
FISH MEAL EXPORTS, BY COUNTRY OF DESTINATION, 2001 AND 2002 (1)

Country	2001			2002		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
China	79,447	36,037	28,022	86,524	39,247	30,836
Canada	26,592	12,062	6,015	24,116	10,939	7,889
Philippines	11,931	5,412	2,353	29,281	13,282	7,460
China - Taipei	21,506	9,755	7,974	22,544	10,226	7,100
Japan	29,015	13,161	6,425	16,296	7,392	5,718
Egypt	24,361	11,050	4,342	17,582	7,975	4,127
Mexico	13,309	6,037	4,008	10,318	4,680	3,811
Bangladesh	9,550	4,332	1,645	11,365	5,155	1,932
South Korea	6,451	2,926	2,261	5,232	2,373	1,798
Other	15,906	7,215	4,637	25,333	11,491	5,647
Total	238,068	107,987	67,682	248,591	112,760	76,318

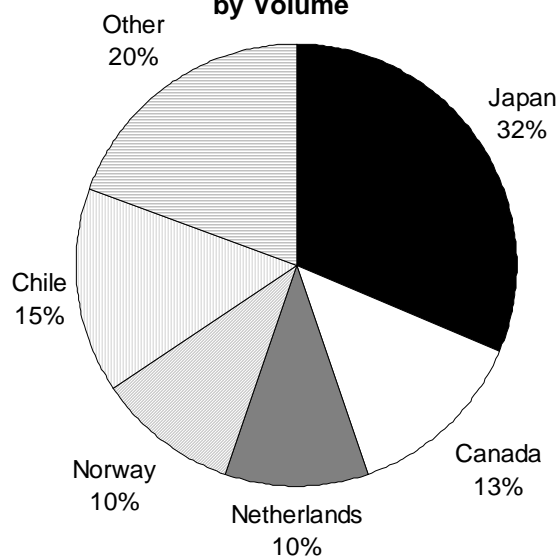
(1) Figures reflect both domestic and foreign (re-exports).

Source:--U.S. Department of Commerce, Bureau of the Census.

U.S. Fish Meal Exports by Major Importer, 2002 by Volume



U.S. Fish Oil Exports by Major Importer, 2002 by Volume



FISH AND MARINE ANIMAL OIL EXPORTS, BY COUNTRY OF DESTINATION, 2001 AND 2002 (1)

Country	2001			2002		
	Thousand pounds	Metric tons	Thousand dollars	Thousand pounds	Metric tons	Thousand dollars
Japan	55,618	25,228	9,191	66,769	30,286	14,269
Canada	16,949	7,688	3,759	28,373	12,870	7,139
Chile	8,821	4,001	1,706	32,006	14,518	6,706
Norway	50,234	22,786	7,206	22,077	10,014	4,574
Netherlands	71,766	32,553	9,180	22,198	10,069	4,464
South Korea	7,105	3,223	1,562	14,187	6,435	3,882
Australia	97	44	125	16,111	7,308	3,865
China - Taipei	351	159	521	3,100	1,406	1,199
China	813	369	248	1,925	873	662
Other	37,044	16,803	8,171	6,060	2,749	2,578
Total	248,798	112,854	41,669	212,806	96,528	49,338

(1) Figures reflect both domestic and foreign (re-exports).

Source:--U.S. Department of Commerce, Bureau of the Census.

Supply of Fishery Products

U.S. SUPPLY OF EDIBLE AND INDUSTRIAL FISHERY PRODUCTS, 1993-2002 (Round weight)

Year	Domestic commercial landings (1)	Imports	Exports	Total
----- Million pounds-----				
1993	10,467	9,867	5,578	14,756
1994	10,461	8,848	5,202	14,107
1995	9,788	6,696	5,252	11,232
1996	9,565	6,909	5,418	11,056
1997	9,842	7,290	5,537	11,595
1998	9,194	7,703	4,889	12,008
1999	9,339	8,039	5,207	12,171
2000	9,069	8,271	5,758	11,582
2001	9,492	8,627	7,107	11,012
2002	9,397	9,631	6,979	12,049

(1) Preliminary.

Note: The weight of U.S. landings and imports represent the round(live) weight of all items except univalve and bivalve mollusks (conchs, clams, oysters, scallops, etc) which are shown in weight of meats excluding the shell.

U.S. SUPPLY OF EDIBLE FISHERY PRODUCTS, 1993-2002 (Round weight)

Year	Domestic commercial landings (1)	Imports	Exports	Total
----- Million pounds-----				
1993	8,214	5,607	4,386	9,435
1994	7,936	5,778	4,306	9,408
1995	7,667	5,917	4,261	9,323
1996	7,474	6,150	4,374	9,250
1997	7,244	6,495	4,326	9,413
1998	7,173	7,001	3,709	10,465
1999	6,832	7,630	4,129	10,333
2000	6,912	7,828	4,587	10,153
2001	7,314	7,992	5,774	9,532
2002	7,205	8,802	5,587	10,420

(1) Preliminary.

U.S. SUPPLY OF INDUSTRIAL FISHERY PRODUCTS, 1993-2002 (Round weight)

Year	Domestic commercial landings (1)	Imports	Exports	Total
----- Million pounds-----				
1993	2,253	4,260	1,192	5,321
1994	2,525	3,070	896	4,699
1995	2,121	779	991	1,909
1996	2,091	759	1,044	1,806
1997	2,598	795	1,211	2,182
1998	2,021	702	1,180	1,543
1999	2,507	409	1,078	1,838
2000	2,157	443	1,171	1,429
2001	2,178	635	1,333	1,480
2002	2,192	829	1,392	1,629

(1) Preliminary.

Supply of Fishery Products

U.S. SUPPLY OF COMMERCIAL FINFISH AND SHELLFISH, 2001 and 2002

Item	Domestic commercial landings		Imports		Exports		Total	
	2001	2002	2001	2002	2001	2002	2001	2002
-----Thousand pounds--round weight-----								
Edible								
Finfish	6,161,936	6,012,515	5,167,584	5,756,771	5,263,049	5,132,240	6,066,471	6,637,046
Shellfish, et al	1,151,946	1,192,018	2,824,639	3,045,361	511,193	455,195	3,465,392	3,782,184
Subtotal	7,313,882	7,204,533	7,992,223	8,802,132	5,774,242	5,587,435	9,531,863	10,419,230
Industrial (1)								
Finfish	2,080,554	2,077,472	634,350	828,697	1,332,873	1,392,107	1,382,031	1,514,062
Shellfish, et al	97,427	115,159	(2)	(2)	(2)	(2)	97,427	115,159
Subtotal	2,177,981	2,192,631	634,350	828,697	1,332,873	1,392,107	1,479,458	1,629,221
Total:								
Finfish	8,242,490	8,089,987	5,801,934	6,585,468	6,595,922	6,524,347	7,448,502	8,151,108
Shellfish, et al	1,249,373	1,307,177	2,824,639	3,045,361	511,193	455,195	3,562,819	3,897,343
Grand total	9,491,863	9,397,164	8,626,573	9,630,829	7,107,115	6,979,542	11,011,321	12,048,451

(1) Includes only quantity harvested for fish meal.

(2) Not available.

NOTE: Total landings shown in this table may not agree with landings reported in other tables due to rounding.

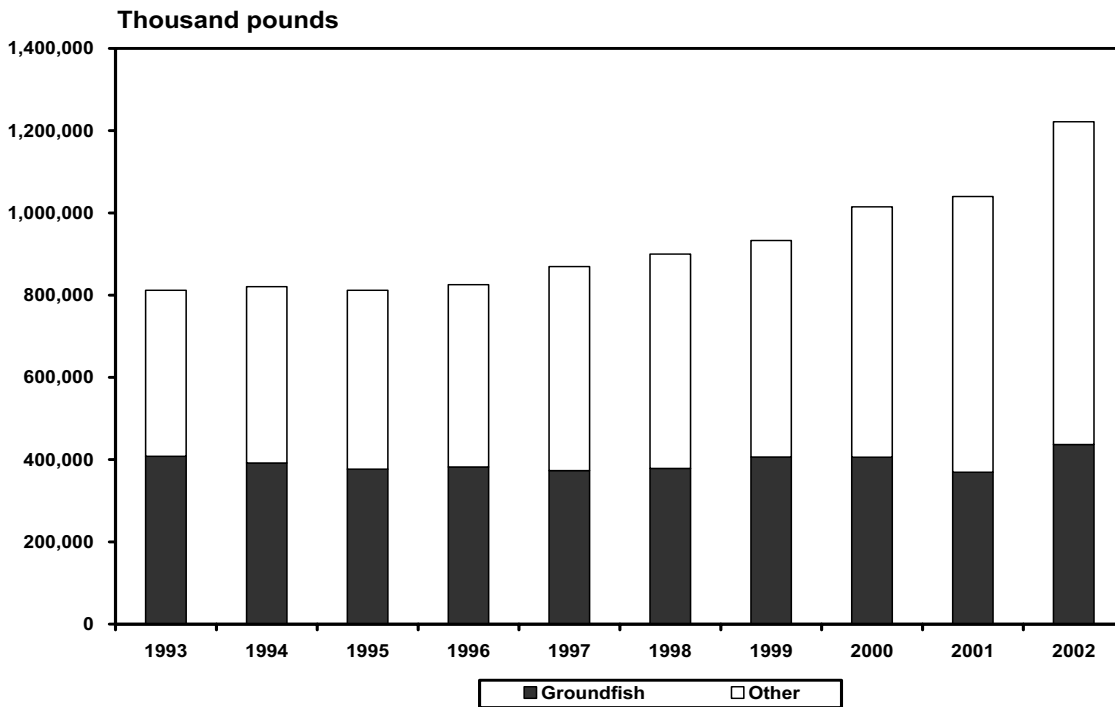
Supply of Fishery Products

U.S. SUPPLY OF ALL FILLETS AND STEAKS, 1993-2002 (Edible weight)

Year	U.S. production (1)	Imports	Total	Exports	Total supply
----- Thousand pounds -----					
1993	420,169	440,354	860,523	48,847	811,676
1994	425,022	439,059	864,081	43,252	820,829
1995	385,293	477,483	862,776	50,785	811,991
1996	423,309	476,469	899,778	74,368	825,410
1997	409,652	514,805	924,457	55,014	869,443
1998	422,418	578,561	1,000,979	101,016	899,963
1999	362,303	654,301	1,016,604	83,557	933,047
2000	367,680	734,711	1,102,391	87,511	1,014,880
2001	479,870	795,525	1,275,395	235,570	1,039,825
2002	519,099	922,541	1,441,640	219,893	1,221,747

(1) Includes fillets used to produce blocks.

U.S. Supply of Fillets and Steaks



U.S. SUPPLY OF GROUND FISH FILLETS AND STEAKS, 1993-2002 (Edible weight)

Year	U.S. production (1)	Imports	Total	Exports (2)	Total supply
----- Thousand pounds -----					
1993	233,755	186,516	420,271	12,242	408,029
1994	220,357	189,097	409,454	17,639	391,815
1995	216,699	184,845	401,544	24,606	376,938
1996	245,406	178,209	423,615	41,691	381,924
1997	220,403	176,125	396,528	23,367	373,161
1998	255,291	186,937	442,228	63,481	378,747
1999	218,765	224,944	443,709	37,474	406,235
2000	233,186	224,955	458,141	52,145	405,996
2001	336,822	194,684	531,506	162,353	369,153
2002	382,712	231,450	614,162	177,501	436,661

(1) Includes fillets used to produce blocks. Species include cod, cusk, haddock, hake, pollock, and ocean perch.

(2) Species include: cod and pollock.

Supply of Fishery Products

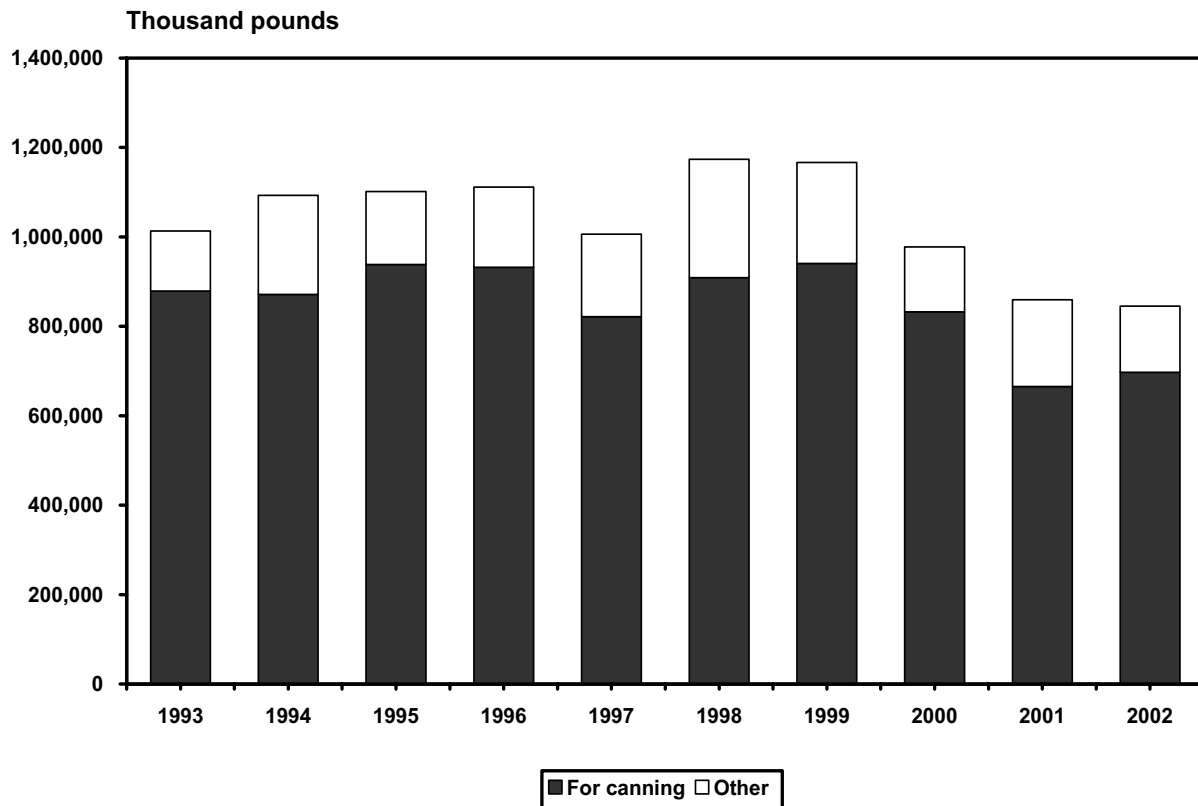
U.S. SUPPLY OF FRESH AND FROZEN TUNA, 1993-2002 (Round weight)

Year	U.S. commercial landings (1)			Imports (2)			Exports total	Total supply
	For canning	Other	Total	For canning	Other	Total		
----- Thousand pounds -----								
1993	426,036	62,933	488,969	453,046	92,965	546,011	21,660	1,013,320
1994	401,732	157,695	559,427	469,514	92,352	561,866	28,512	1,092,781
1995	407,036	86,956	493,992	531,266	105,304	636,570	28,869	1,101,693
1996	364,652	91,612	456,264	567,266	119,247	686,513	31,382	1,111,395
1997	354,074	102,567	456,641	467,526	105,806	573,332	24,092	1,005,881
1998	318,144	161,305	479,449	590,568	137,852	728,420	34,026	1,173,843
1999	368,716	111,658	480,374	571,976	135,966	707,942	22,018	1,166,298
2000	281,982	54,668	336,650	550,552	107,116	657,668	16,775	977,543
2001	230,990	100,145	331,135	434,358	124,423	558,781	30,569	859,347
2002	272,086	68,824	340,910	424,894	112,925	537,819	33,735	844,994

(1) Includes quantity of fish landed at other ports by U.S.-flag vessels.

(2) Includes landings in American Samoa of foreign-caught fish.

U.S. Supply of Fresh and Frozen Tuna



Supply of Fishery Products

U.S. SUPPLY OF CANNED SARDINES, 1993-2002 (Canned weight)

Year	U.S. pack	Imports	Total	Exports	Total supply
----- Thousand pounds -----					
1993	14,354	39,111	53,465	12,275	41,190
1994	15,560	43,942	59,502	11,010	48,492
1995	13,567	42,280	55,847	11,773	44,074
1996	17,672	40,926	58,598	12,207	46,391
1997	15,976	42,771	58,747	9,321	49,426
1998	11,842	44,328	56,170	6,314	49,856
1999	12,017	48,722	60,739	3,803	56,936
2000	(1)	62,236	NA	9,306	NA
2001	(1)	54,758	NA	21,248	NA
2002	(1)	48,986	NA	35,692	NA

(1) Data are confidential
NA Not available

U.S. SUPPLY OF CANNED SALMON, 1993-2002 (Canned weight)

Year	U.S. pack	Imports	Total	Exports	Total supply
----- Thousand pounds -----					
1993	198,344	428	198,772	84,610	114,162
1994	206,841	1,093	207,934	90,915	117,019
1995	243,568	1,202	244,770	98,197	146,573
1996	197,163	2,266	199,429	95,530	103,899
1997	162,106	1,228	163,334	81,621	81,713
1998	158,798	1,323	160,121	77,450	82,671
1999	234,155	2,229	236,384	113,726	122,658
2000	171,125	5,161	176,286	81,006	95,280
2001	184,687	6,362	191,049	110,076	80,973
2002	223,651	10,013	233,664	98,563	135,101

U.S. SUPPLY OF CANNED TUNA, 1993-2002 (Canned weight)

Year	U.S. pack	Imports	Total	Exports	Total supply
----- Thousand pounds -----					
1993	618,743	224,419	843,162	8,534	834,628
1994	609,514	249,043	858,557	8,391	850,166
1995	666,581	215,365	881,946	7,385	874,561
1996	675,816	193,037	868,853	9,866	858,987
1997	627,032	212,171	839,203	9,967	829,236
1998	680,860	240,409	921,269	9,319	911,950
1999	693,816	334,537	1,028,353	7,945	1,020,408
2000	671,341	312,967	984,308	4,178	980,130
2001	507,400	292,202	799,602	3,521	796,081
2002	546,965	378,140	925,105	3,589	921,516

Supply of Fishery Products

U.S. SUPPLY OF KING CRAB, 1993-2002 (Round weight)

Year	U.S. commercial landings	Imports (1)	Total	Exports (1)	Total supply
----- Thousand pounds -----					
1993	24,732	7,395	32,127	24,372	7,755
1994	11,960	15,035	26,995	15,013	11,982
1995	14,673	18,360	33,033	11,847	21,186
1996	21,000	26,533	47,533	17,650	29,883
1997	18,027	39,666	57,693	12,516	45,177
1998	24,122	51,655	75,777	13,575	62,202
1999	16,920	46,922	63,842	11,483	52,359
2000	15,098	40,233	55,331	14,578	40,753
2001	16,054	37,731	53,785	15,416	38,369
2002	16,793	42,775	59,568	13,045	46,523

(1) Imports, exports, foreign exports converted to round (live) weight by using these conversion factors: frozen, 1.75; meat, 4.50; and canned, 5.33.

U.S. SUPPLY OF SNOW (TANNER) CRABS, 1993-2002 (Round weight)

Year	U.S. commercial landings	Imports (1)	Total	Exports (2)	Total supply
----- Thousand pounds -----					
1993	255,733	31,224	286,957	220,618	66,339
1994	159,574	27,446	187,020	147,006	40,014
1995	80,817	20,969	101,786	59,805	41,981
1996	67,867	28,336	96,203	50,509	45,694
1997	118,898	41,959	160,857	50,604	110,253
1998	251,831	60,166	311,997	58,366	253,631
1999	185,162	110,041	295,203	78,918	216,285
2000	34,497	119,443	153,940	32,239	121,701
2001	26,844	172,581	199,425	28,589	170,836
2002	33,238	175,470	208,708	36,351	172,357

(1) Converted to round(live) weight by multiplying fresh and frozen by 1.50; meat, 4.50; and canned, 5.00.

(2) Domestic merchandise converted to round(live) weight by multiplying frozen weight by 2.13 (believed to be mostly sections); meat, 4.50; and canned, 5.33. Foreign exports converted using the same factors as imports.

(3) Estimated, based on available foreign import data.

U.S. SUPPLY OF CANNED CRABMEAT, 1993-2002 (Canned weight)

Year	U.S. pack	Imports	Total	Exports	Total supply
----- Thousand pounds -----					
1993	70	9,817	9,887	668	9,219
1994	17	9,852	9,869	511	9,358
1995	65	12,441	12,506	276	12,230
1996	93	12,773	12,866	337	12,529
1997	83	15,871	15,954	608	15,346
1998	67	22,020	22,087	558	21,529
1999	27	27,707	27,734	1,329	26,405
2000	31	31,246	31,277	2,586	28,691
2001	6	36,923	36,929	1,931	34,998
2002	21	45,294	45,315	1,186	44,129

Supply of Fishery Products

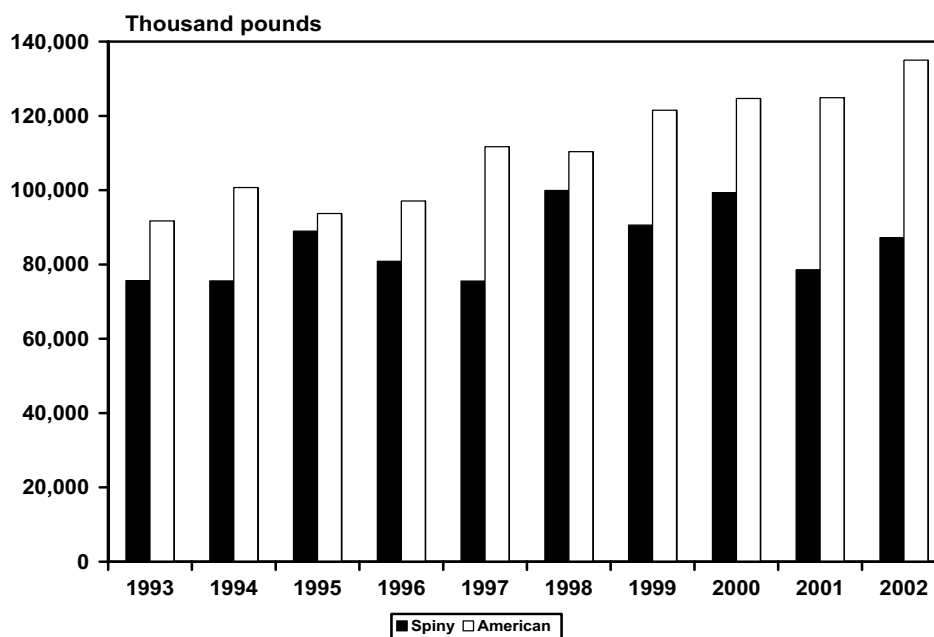
U.S. SUPPLY OF AMERICAN LOBSTERS, 1993-2002 (Round weight)

Year	U.S. commercial landings	Imports (1)	Total	Exports (2)	Total supply
----- Thousand pounds -----					
1993	56,513	55,570	112,083	20,354	91,729
1994	66,416	65,949	132,365	31,646	100,719
1995	66,406	62,923	129,329	35,587	93,742
1996	71,641	65,379	137,020	39,919	97,101
1997	83,921	73,033	156,954	45,262	111,692
1998	79,642	73,601	153,243	42,874	110,369
1999	87,469	90,830	178,299	56,755	121,544
2000	83,180	105,964	189,144	64,452	124,692
2001	73,637	111,149	184,786	59,898	124,888
2002	82,252	119,594	201,846	66,827	135,019

(1) Only imports from Canada and St. Pierre and Miquelon are considered American lobsters and were converted to round weight by using these conversion factors: 1.00, whole; 4.50, meat, and 4.64, canned.

(2) Domestic exports conversion to live weight by 1.00, whole; 4.00, meat; and 4.50, canned. Foreign exports converted using import factors.

U.S. Supply of Lobster



U.S. SUPPLY OF SPINY LOBSTERS, 1993-2002 (Round weight)

Year	U.S. commercial landings	Imports (1)	Total	Exports (2)	Total supply
----- Thousand pounds -----					
1993	6,076	70,884	76,960	1,306	75,654
1994	8,104	68,787	76,891	1,304	75,587
1995	7,123	86,900	94,023	5,035	88,988
1996	8,308	75,595	83,903	3,033	80,870
1997	7,240	74,120	81,360	5,842	75,518
1998	5,935	95,801	101,736	1,802	99,934
1999	6,692	86,240	92,932	2,346	90,586
2000	6,463	94,433	100,896	1,571	99,325
2001	4,082	76,667	80,749	2,158	78,591
2002	5,188	86,923	92,111	4,890	87,221

(1) Imports were converted to round (live) weight by using these conversion factors: 1.00, whole; 3.00, tails; 4.35, other; and 4.50 canned.

(2) Domestic exports converted to round (live) weight by using: 1.00, whole; 3.00, tails; 4.00, other; and 4.50, canned. Foreign exports converted using import factors.

Supply of Fishery Products

U.S. SUPPLY OF CLAMS, 1993-2002 (Meat weight)

Year	U.S. commercial landings (1)	Imports (2)	Total	Exports	Total supply
----- Thousand pounds -----					
1993	147,752	9,579	157,331	1,809	155,522
1994	131,427	15,507	146,934	2,617	144,317
1995	134,224	12,645	146,869	2,853	144,016
1996	123,239	14,340	137,579	3,448	134,131
1997	114,180	13,184	127,364	3,651	123,713
1998	107,959	15,666	123,625	4,318	119,307
1999	112,230	16,315	128,545	3,898	124,647
2000	118,482	17,767	136,249	3,627	132,622
2001	122,764	19,962	142,726	4,080	138,646
2002	130,076	18,256	148,332	4,348	143,984

(1) For species breakout see table on page 3.

(2) Imports and exports were converted to meat weight by using these conversion factors: 0.40 in shell or shucked; 0.30, canned chowder and juice; and 0.93, other.

U.S. SUPPLY OF OYSTERS, 1993-2002 (Meat weight)

Year	U.S. commercial landings	Imports (1)	Total	Exports	Total supply
----- Thousand pounds -----					
1993	33,575	28,244	61,819	1,131	60,688
1994	38,086	24,694	62,780	1,988	60,792
1995	40,380	24,200	64,580	1,908	62,672
1996	38,007	21,708	59,715	1,648	58,067
1997	39,652	20,533	60,185	2,191	57,994
1998	33,538	29,575	63,113	1,877	61,236
1999	26,983	30,012	56,995	2,047	54,948
2000	41,146	32,735	73,881	2,447	71,434
2001	32,673	28,416	61,089	3,007	58,082
2002	34,397	30,806	65,203	2,957	62,246

(1) Imports and exports were converted to meat weight by using these conversion factors: 0.93, canned; 3.12, canned smoked; and 0.75, other.

U.S. SUPPLY OF SCALLOPS, 1993-2002 (Meat weight)

Year	U.S. commercial landings (1)	Imports	Total	Exports	Total supply
----- Thousand pounds -----					
1993	18,638	51,973	70,611	4,147	66,464
1994	25,469	56,676	82,145	5,990	76,155
1995	19,526	48,331	67,857	5,926	61,931
1996	18,197	58,686	76,883	6,191	70,692
1997	15,474	60,146	75,620	9,861	65,759
1998	13,166	52,445	65,611	7,306	58,305
1999	27,178	44,079	71,257	6,982	64,275
2000	32,772	53,649	86,421	8,911	77,510
2001	46,964	39,696	86,660	10,295	76,365
2002	53,078	48,210	101,288	10,117	91,171

(1) For species breakout see table on page 4.

Supply of Fishery Products

U.S. SUPPLY OF ALL FORMS OF SHRIMP, 1993-2002 (Heads-off weight)

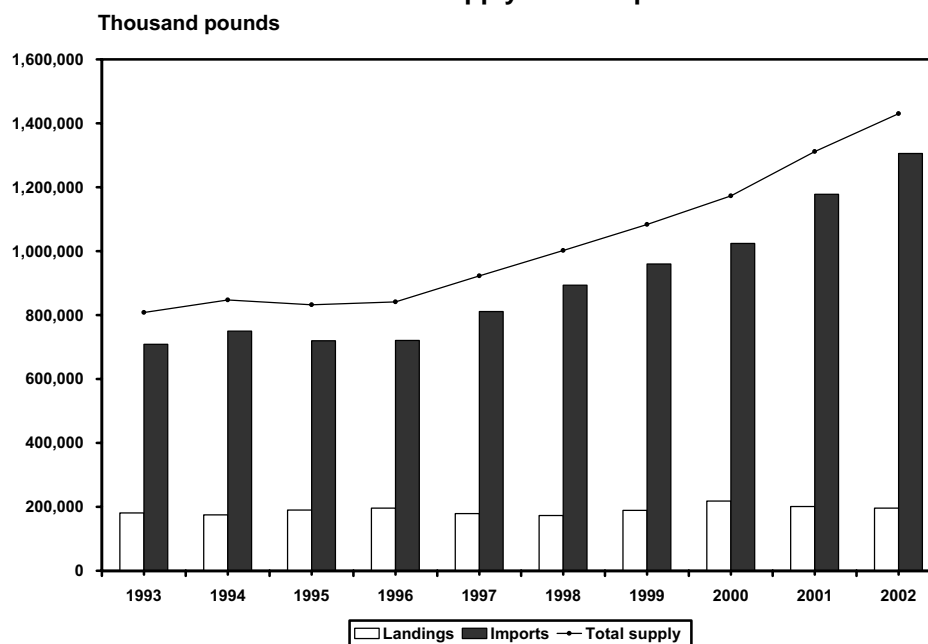
Year	U.S. commercial landings (1)	Imports (2)	Total	Exports (3)	Total supply
----- Thousand pounds -----					
1993	180,687	708,683	889,370	81,447	807,923
1994	174,969	749,993	924,962	77,755	847,207
1995	190,208	719,463	909,671	77,677	831,994
1996	195,902	720,852	916,754	75,130	841,624
1997	179,084	810,696	989,780	66,674	923,106
1998	173,304	893,578	1,066,882	65,302	1,001,580
1999	189,112	959,915	1,149,027	65,427	1,083,600
2000	218,542	1,024,476	1,243,018	70,383	1,172,635
2001	201,428	1,178,232	1,379,660	67,975	1,311,685
2002	195,666	1,305,172	1,500,838	71,036	1,429,802

(1) Commercial landings were converted to heads-off weight by using these conversion factors: South Atlantic and Gulf, 0.629; and New England, Pacific and other, 0.57.

(2) Imports were converted to heads-off weight by using these conversion factors: breaded, 0.63; shell-on, 1.00; peeled raw, 1.28; canned, 2.52; and other, 2.40.

(3) Exports were converted to heads-off weight by using these conversion factors: domestic fresh and frozen, 1.18; canned, 2.02; other, 2.40; foreign--fresh and frozen, 1.00; canned, 2.52; and other, 2.40.

U.S. Supply of Shrimp



U.S. SUPPLY OF CANNED SHRIMP, 1993-2002 (Canned weight)

Year	U.S. pack	Imports	Total	Exports	Total supply
----- Thousand pounds -----					
1993	658	8,170	8,828	2,557	6,271
1994	463	6,314	6,777	1,841	4,936
1995	912	6,570	7,482	3,250	4,232
1996	819	3,563	4,382	2,665	1,717
1997	1,168	3,620	4,788	1,470	3,318
1998	2,253	3,406	5,659	1,660	3,999
1999	1,955	2,945	4,900	2,355	2,545
2000	1,910	3,655	5,565	2,549	3,016
2001	1,592	4,273	5,865	3,091	2,774
2002	1,755	4,076	5,831	3,322	2,509

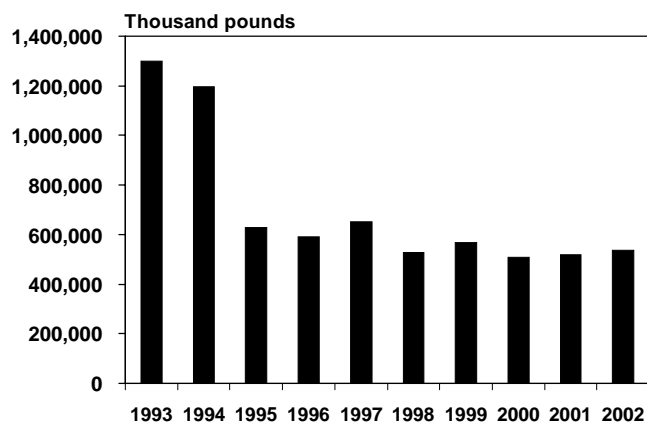
Supply of Fishery Products

U.S. SUPPLY OF FISH MEAL, 1993-2002 (Product weight)

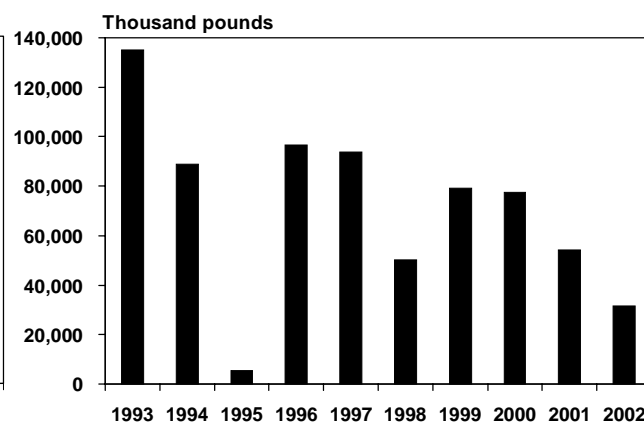
Year	U.S. production (1)	Imports	Total	Exports	Total supply
----- Thousand pounds -----					
1993	750,744	760,664	1,511,408	212,859	1,298,549
1994	807,833	548,288	1,356,121	159,937	1,196,184
1995	667,240	139,101	806,341	176,981	629,360
1996	643,124	135,561	778,685	186,412	592,273
1997	724,668	142,049	866,717	216,289	650,428
1998	613,434	125,404	738,838	210,658	528,180
1999	686,250	73,069	759,319	192,512	566,807
2000	638,244	79,013	717,257	209,177	508,080
2001	643,989	113,277	757,266	238,068	519,198
2002	637,940	147,982	785,922	248,591	537,331

(1) Includes shellfish meal.

U.S. Supply of Fish Meal



U.S. Supply of Fish Oils



U.S. SUPPLY OF FISH OILS, 1993-2002 (Product weight)

Year	U.S. production	Imports	Total	Exports	Total supply
----- Thousand pounds -----					
1993	293,452	26,052	319,504	184,488	135,016
1994	291,189	40,642	331,831	242,788	89,043
1995	241,941	23,913	265,854	260,394	5,460
1996	248,399	35,622	284,021	187,294	96,727
1997	283,379	25,622	309,001	215,255	93,746
1998	222,697	24,213	246,910	196,664	50,246
1999	286,182	25,677	311,859	232,546	79,313
2000	192,348	27,220	219,568	142,221	77,347
2001	279,416	23,532	302,948	248,798	54,150
2002	210,867	33,415	244,282	212,806	31,476

Per Capita Consumption

The NMFS calculation of per capita consumption is based on a “disappearance” model. The total U.S. supply of imports and landings is converted to edible weight and decreases in supply such as exports and inventories are subtracted out. The remaining total is divided by a population value to estimate per capita consumption. Data for the model are derived primarily from secondary sources and are subject to incomplete reporting; changes in source data or invalid model assumptions may each have a significant effect on the resulting calculation.

U.S. per capita consumption of fish and shellfish was 15.6 pounds (edible meat) in 2002. This total was 0.8 pounds more than the 14.8 pounds consumed in 2001. Per capita consumption of fresh and frozen products was 11.0 pounds, 0.7 pound more than 2001.

Fresh and frozen finfish accounted for 6.0 pounds while fresh and frozen shellfish consumption was 5.0 pounds per capita. The fresh and frozen finfish includes approximately 1.1 pounds of farm raised catfish.

Consumption of canned fishery products was 4.3 pounds per capita in 2002, 0.1 pound more than the 4.2 pounds in 2001. Cured fish accounted for 0.3 pound per capita, the same as in previous years. Imports of edible seafood made up 77 percent of the consumption.

PER CAPITA USE. Per capita use is based on the supply of fishery products, both edible and non-edible (industrial), on a round-weight equivalent basis without considering beginning or ending stocks, defense purchases, or exports. The per capita use of all edible and industrial fishery products in 2002 was 66.0 pounds, up 2.4 pounds compared with 2001.

WORLD CONSUMPTION. The FAO calculation for apparent consumption is based on a disappearance model. The three year average considers, on a round weight equivalent basis, a countries landings, imports, and exports. The revised 1997-99 data indicates that the United States ranks as the third largest consumer of seafood in the world.

Per Capita Consumption

U.S. Consumption

Annual per capita consumption of seafood products represents the pounds of edible meat consumed from domestically-caught and imported fish and shellfish adjusted for beginning and ending inventories and exports, divided by the civilian population of the United States as of July 1 of each year.

U.S. ANNUAL PER CAPITA CONSUMPTION OF COMMERCIAL FISH AND SHELLFISH, 1910-2002

Year	Civilian resident population July 1 (1) <u>Million persons</u>	Per capita consumption			
		Fresh and frozen (2)	Canned (3)	Cured (4)	Total
		-----Pounds, edible meat-----			
1910	92.2	4.5	2.8	3.9	11.2
1920	106.5	6.3	3.2	2.3	11.8
1930	122.9	5.8	3.4	1.0	10.2
1940	132.1	5.7	4.6	0.7	11.0
1950	150.8	6.3	4.9	0.6	11.8
1960	178.1	5.7	4.0	0.6	10.3
1970	201.9	6.9	4.5	0.4	11.8
1980	225.6	7.9	4.3	0.3	12.5
1981	227.8	7.8	4.6	0.3	12.7
1982	230.0	7.9	4.3	0.3	12.5
1983	232.1	8.4	4.7	0.3	13.4
1984	234.1	9.0	4.9	0.3	14.2
1985	236.2	9.8	5.0	0.3	15.1
1986	238.4	9.8	5.4	0.3	15.5
1987	240.6	10.7	5.2	0.3	*16.2
1988	242.8	10.0	4.9	0.3	15.2
1989	245.1	10.2	5.1	0.3	15.6
1990	247.8	9.6	5.1	0.3	15.0
1991	250.5	9.7	4.9	0.3	14.9
1992	253.5	9.9	4.6	0.3	14.8
1993	256.4	10.2	4.5	0.3	15.0
1994	259.2	10.4	4.5	0.3	15.2
1995	261.4	10.0	4.7	0.3	15.0
1996	264.0	10.0	4.5	0.3	14.8
1997	266.4	9.9	4.4	0.3	14.6
1998	269.1	10.2	4.4	0.3	14.9
1999	271.5	10.4	4.7	0.3	15.4
2000	280.9	10.2	4.7	0.3	15.2
2001	283.6	10.3	4.2	0.3	14.8
2002	287.1	*11.0	4.3	0.3	15.6

(1) Resident population for 1910 and 1920 and civilian resident population for 1930 to date.

(2) Fresh and frozen fish consumption for 1910 and 1920 is estimated. Beginning in 1973, data include consumption of cultivated catfish.

(3) Canned fish consumption for 1920 is estimated. Beginning in 1921, it is based on production reports, packer stocks, and foreign trade statistics for individual years.

(4) Cured fish consumption for 1910 and 1920 is estimated.

*Record years: Canned--5.8, 1936; Cured--4.0, 1909.

Per Capita Consumption

U.S. Consumption

U.S. ANNUAL PER CAPITA CONSUMPTION OF CANNED FISHERY PRODUCTS, 1980-2002

Year	Salmon	Sardines	Tuna	Shellfish	Other	Total
----- Pounds -----						
1980	0.5	0.3	3.0	0.4	0.1	4.3
1981	0.5	0.4	3.0	0.4	0.3	4.6
1982	0.5	0.3	2.8	0.4	0.3	4.3
1983	0.5	0.2	3.2	0.4	0.4	4.7
1984	0.6	0.2	3.2	0.4	0.5	4.9
1985	0.5	0.3	3.3	0.5	0.4	5.0
1986	0.5	0.3	3.6	0.5	0.5	5.4
1987	0.4	0.3	3.5	0.5	0.5	5.2
1988	0.3	0.3	3.6	0.4	0.3	4.9
1989	0.3	0.3	3.9	0.4	0.2	5.1
1990	0.4	0.3	3.7	0.3	0.4	5.1
1991	0.5	0.2	3.6	0.4	0.2	4.9
1992	0.5	0.2	3.5	0.3	0.1	4.6
1993	0.4	0.2	3.5	0.3	0.1	4.5
1994	0.4	0.2	3.3	0.3	0.3	4.5
1995	0.5	0.2	3.4	0.3	0.3	4.7
1996	0.5	0.2	3.2	0.3	0.3	4.5
1997	0.4	0.2	3.1	0.3	0.4	4.4
1998	0.3	0.2	3.4	0.3	0.2	4.4
1999	0.3	0.2	3.5	0.4	0.3	4.7
2000	0.3	0.2	3.5	0.3	0.4	4.7
2001	0.4	0.2	2.9	0.3	0.4	4.2
2002	0.5	0.1	3.1	0.3	0.3	4.3

U.S. ANNUAL PER CAPITA CONSUMPTION OF CERTAIN FISHERY ITEMS, 1980-2002

Year	Fillets and steaks (1)	Sticks and portions	Shrimp, all preparation
----- Pounds (2) -----			
1980	2.4	2.0	1.4
1981	2.4	1.8	1.5
1982	2.5	1.7	1.5
1983	2.7	1.8	1.7
1984	3.0	1.8	1.9
1985	3.2	1.8	2.0
1986	3.4	1.8	2.2
1987	3.6	1.7	2.4
1988	3.2	1.5	2.4
1989	3.1	1.5	2.3
1990	3.1	1.5	2.2
1991	3.0	1.2	2.4
1992	2.9	0.9	2.5
1993	2.9	1.0	2.5
1994	3.1	0.9	2.6
1995	2.9	1.2	2.5
1996	3.0	1.0	2.5
1997	3.0	1.0	2.7
1998	3.2	0.9	2.8
1999	3.2	1.0	3.0
2000	3.6	0.9	3.2
2001	3.7	0.8	3.4
2002	* 4.1	0.8	* 3.7

(1) Data include groundfish and other species. Data do not include blocks, but fillets could be made into blocks from which sticks and portions could be produced.

(2) Product weight of fillets and steaks, sticks and portions; edible (meat)weight of shrimp.

*Record

ANNUAL PER CAPITA CONSUMPTION OF FISH AND SHELLFISH FOR HUMAN FOOD, BY REGION AND COUNTRY, 1997-99 AVERAGE (REVISED)

Region and Country	Estimated live weight equivalent		Region and Country	Estimated live weight equivalent	
	Kilograms	Pounds		Kilograms	Pounds
North America:			Europe - Continued:		
Canada	23.0	50.7	Belgium and Luxembourg	20.0	44.1
Greenland	84.3	185.8	Bosnia-Herzegovina	1.6	3.5
St. Pierre and Miquelon	64.2	141.5	Bulgaria	4.2	9.3
United States	21.1	46.5	Croatia	4.3	9.5
Caribbean:			Czech Republic	9.7	21.4
Anguilla	23.4	51.6	Denmark	22.5	49.6
Antigua	39.3	86.6	Estonia	17.4	38.4
Aruba	43.7	96.3	Faeroe Island	86.5	190.7
Bahamas	23.4	51.6	Finland	31.1	68.6
Barbados	30.4	67.0	France	29.3	64.6
Bermuda	36.4	80.2	Georgia	1.2	2.6
British Virgin Islands	5.0	11.0	Germany	12.9	28.4
Cayman Islands	6.2	13.7	Greece	24.2	53.4
Cuba	13.1	28.9	Hungary	3.8	8.4
Dominica	35.8	78.9	Iceland	90.6	199.7
Dominican Republic	8.4	18.5	Ireland	13.9	30.6
Grenada	23.5	51.8	Italy	21.9	48.3
Guadeloupe	22.8	50.3	Kazakhstan	1.7	3.7
Haiti	2.9	6.4	Kyrgyzstan	0.7	1.5
Jamaica	19.8	43.7	Latvia	12.6	27.8
Martinique	32.5	71.6	Lithuania	23.9	52.7
Netherlands Antilles	17.4	38.4	Macedonia	4.5	9.9
Puerto Rico	0.7	1.5	Malta	30.1	66.4
Saint Kitts and Nevis	29.9	65.9	Moldova	3.2	7.1
Saint Lucia	28.0	61.7	Netherlands	18.6	41.0
Saint Vincent	14.2	31.3	Norway	51.1	112.7
Trinidad-Tobago	12.0	26.5	Poland	10.8	23.8
Turks & Caicos	29.9	65.9	Portugal	60.2	132.7
U.S. Virgin Islands	6.8	15.0	Romania	2.3	5.1
Latin America:			Russian Federation	21.6	47.6
Argentina	9.6	21.2	Slovakia	7.5	16.5
Belize	12.4	27.3	Slovenia	6.7	14.8
Bolivia	1.6	3.5	Spain	43.9	96.8
Brazil	6.7	14.8	Sweden	25.2	55.6
Chile	15.8	34.8	Switzerland	14.5	32.0
Colombia	4.4	9.7	Tajikistan	0.1	0.2
Costa Rica	5.4	11.9	Turkmenistan	1.6	3.5
Ecuador	6.3	13.9	Ukraine	11.3	24.9
El Salvador	2.5	5.5	United Kingdom	20.0	44.1
French Guiana	50.2	110.7	Uzbekistan	0.5	1.1
Guatemala	1.4	3.1	Yugoslavia	2.7	6.0
Guyana	59.6	131.4	Near East:		
Honduras	2.5	5.5	Afghanistan	0.1	0.2
Mexico	9.6	21.2	Bahrain	13.8	30.4
Nicaragua	3.0	6.6	Cyprus	23.3	51.4
Panama	9.5	20.9	Egypt	11.0	24.3
Paraguay	5.4	11.9	Iran	4.4	9.7
Peru	20.3	44.8	Iraq	1.4	3.1
Suriname	22.8	50.3	Israel	22.9	50.5
Uruguay	8.2	18.1	Jordan	4.2	9.3
Venezuela	18.3	40.3	Kuwait	12.1	26.7
Europe:			Lebanon	6.6	14.6
Albania	2.0	4.4	Libya	6.1	13.4
Armenia	0.4	0.9	Oman	25.6	56.4
Austria	11.3	24.9	Qatar	10.9	24.0
Azerbaijan	0.7	1.5	Saudi Arabia	7.2	15.9
Belarus	8.2	18.1	Sudan	1.7	3.7
			Syria	1.5	3.3
			Turkey	7.2	15.9
			United Arab Emirates	24.5	54.0
			Yemen Republic	6.8	15.0

See note at end of table.

(Continued on next page)

ANNUAL PER CAPITA CONSUMPTION OF FISH AND SHELLFISH FOR HUMAN FOOD, BY REGION AND COUNTRY, 1997-99 AVERAGE (REVISED)

Region and Country	Estimated live weight equivalent		Region and Country	Estimated live weight equivalent	
	Kilograms	Pounds		Kilograms	Pounds
Far East:			Africa - Continued:		
Bangladesh	10.2	22.5	Malawi	4.5	9.9
Bhutan	0.2	0.4	Mali	8.9	19.6
Brunei	22.7	50.0	Mauritania	10.5	23.1
Burma	15.8	34.8	Mauritius	23.1	50.9
Cambodia	11.9	26.2	Morocco	7.7	17.0
China	24.5	54.0	Mozambique	2.6	5.7
China - Hong Kong	54.6	120.4	Namibia	11.6	25.6
China - Macao	33.9	74.7	Niger	0.9	2.0
China - Taipei	35.0	77.2	Nigeria	8.8	19.4
India	4.7	10.4	Reunion	12.2	26.9
Indonesia	19.0	41.9	Rwanda	1.0	2.2
Japan	64.1	141.3	Sao Tome	18.5	40.8
Laos	9.9	21.8	Senegal	29.1	64.2
Malaysia	57.7	127.2	Seychelles	62.7	138.2
Maldives	203.3	448.2	Sierra Leone	13.5	29.8
Mongolia	0.0	0.0	Somalia	2.4	5.3
Nepal	1.1	2.4	South Africa	7.5	16.5
North Korea	9.4	20.7	Saint Helena	63.4	139.8
Pakistan	2.5	5.5	Swaziland	10.2	22.5
Philippines	29.5	65.0	Tanzania	8.8	19.4
Singapore	26.7	58.9	Togo	13.3	29.3
South Korea	47.8	105.4	Tunisia	9.4	20.7
Sri Lanka	20.3	44.8	Uganda	8.9	19.6
Thailand	28.6	63.1	Zambia	7.3	16.1
Vietnam	17.9	39.5	Zimbabwe	2.5	5.5
Africa:			Oceania:		
Algeria	3.5	7.7	American Samoa	1.8	4.0
Angola	10.9	24.0	Australia	20.9	46.1
Benin	8.7	19.2	Cook Island	51.1	112.7
Botswana	4.2	9.3	Fiji	32.3	71.2
Burkina	1.6	3.5	French Polynesia	46.9	103.4
Burundi	2.4	5.3	Guam	2.9	6.4
Cameroon	13.1	28.9	Kiribati	75.1	165.6
Cape Verde	20.0	44.1	Marshall Islands	6.6	14.6
Central African Rep	4.2	9.3	Micronesia	39.0	86.0
Chad	6.9	15.2	Nauru	34.3	75.6
Comoros	19.2	42.3	New Caledonia	23.5	51.8
Congo (Brazzaville)	21.0	46.3	New Zealand	30.0	66.1
Congo (Kinshasa)	6.3	13.9	Niue	100.0	220.5
Djibouti	2.2	4.9	Northern Mariana Islands	3.4	7.5
Equatorial Guinea	20.0	44.1	Palau	91.4	201.5
Eritrea	0.9	2.0	Papua New Guinea	14.9	32.8
Ethiopia	0.2	0.4	Solomon Islands	46.5	102.5
Gabon	47.2	104.1	Tokelau	200.0	440.9
Gambia	23.6	52.0	Tonga	40.7	89.7
Ghana	31.7	69.9	Tuvalu	32.8	72.3
Guinea	11.1	24.5	Vanuatu	31.6	69.7
Guinea-Bissau	4.2	9.3	Wallis and Futuna Islands	14.0	30.9
Ivory Coast	14.0	30.9	Western Samoa	50.8	112.0
Kenya	5.4	11.9			
Liberia	5.9	13.0			
Madagascar	7.5	16.5			
			World	15.8	34.8

Note:--Data for most countries are tentative. Aquatic plants are included where applicable.

Source:--Food and Agriculture Organization of the United Nations (FAO)

Per Capita Consumption

U.S. Use

Per capita use of commercial fish and shellfish is based on the supply of fishery products, both edible and nonedible (industrial), on a round weight equivalent basis, without considering the beginning or ending stocks, defense purchases, or exports.

Per capita use figures are not comparable with per capita consumption data. Per capita consumption figures represent edible (for human use) meat weight consumption rather than round weight consumption. In addition, per capita consumption includes allowances for beginning and ending stocks and exports, whereas the use does not include such allowances.

Per capita use is derived by using total population including U.S. Armed Forces overseas. The per capita consumption is derived by using civilian resident population.

U.S. ANNUAL PER CAPITA USE OF COMMERCIAL FISH AND SHELLFISH, 1960-2002 (1)

Year	Total population including armed forces overseas July 1	U.S. supply	Per capita utilization		
			Commercial landings	Imports	Total
	<u>Million persons</u>	<u>Million pounds</u>	----- Pounds -----		
1960	180.7	8,223	27.3	18.2	45.5
1961	183.7	9,570	28.2	23.9	52.1
1962	186.5	10,408	28.7	27.1	55.8
1963	189.2	11,434	25.6	34.8	60.4
1964	191.9	12,031	23.7	39.0	62.7
1965	194.3	10,535	24.6	29.6	54.2
1966	196.6	12,469	22.2	41.2	63.4
1967	198.7	13,991	20.4	50.0	70.4
1968	200.7	17,381	20.7	65.9	86.6
1969	202.7	11,847	21.4	37.0	58.4
1970	205.1	11,474	24.0	31.9	55.9
1971	207.7	11,804	24.1	32.7	56.8
1972	209.9	13,849	22.9	43.1	66.0
1973	211.9	10,378	22.9	26.1	49.0
1974	213.9	9,875	23.2	23.0	46.2
1975	216.0	10,164	22.6	24.5	47.1
1976	218.0	11,593	24.7	28.5	53.2
1977	220.2	10,652	23.9	24.4	48.3
1978	222.6	11,509	27.1	24.6	51.7
1979	225.1	11,831	27.9	24.7	52.6
1980	227.7	11,357	28.5	21.4	49.9
1981	230.0	11,353	26.0	23.4	49.4
1982	232.2	12,011	27.4	24.3	51.7
1983	234.3	12,352	27.5	25.2	52.7
1984	236.3	12,552	27.3	25.8	53.1
1985	238.5	15,150	26.2	37.3	63.5
1986	240.7	14,368	25.1	34.6	59.7
1987	242.8	15,744	28.4	36.4	64.8
1988	245.0	14,628	29.3	30.4	59.7
1989	247.3	15,485	34.2	28.4	62.6
1990	249.9	16,349	37.6	27.8	65.4
1991	252.7	16,363	37.5	27.3	64.8
1992	255.5	16,106	37.7	25.3	63.0
1993	258.2	20,334	40.6	38.2	78.8
1994	260.7	19,309	40.1	34.0	74.1
1995	263.0	16,484	37.2	25.5	62.7
1996	265.3	16,474	36.1	26.0	62.1
1997	268.2	17,132	36.7	27.2	63.9
1998	270.6	16,897	34.0	28.5	62.5
1999	272.9	17,378	34.2	29.5	63.7
2000	282.3	17,338	32.1	29.3	61.4
2001	285.0	18,118	33.3	30.3	63.6
2002	288.4	19,028	32.6	33.4	66.0

(1) Data include U.S. commercial landings and imports of both edible and nonedible (industrial) fishery products on a round weight basis. "Total supply" is not adjusted for beginning and ending stocks, defense purchases, or exports.

SUMMARY OF 2002 VALUE ADDED, MARGINS, AND CONSUMER EXPENDITURES FOR COMMERCIAL MARINE FISHERY PRODUCTS IN THE UNITED STATES (1)

Sector or type of activity	Purchase of fishery inputs Thousand Dollars	Mark-up of fishery inputs Percentage of Fishery Inputs	Total mark-up within sector Thousand Dollars	Value added as percent of total mark-up Percentage	Value added within sector Thousand Dollars	Value of sales by sector Thousand Dollars	Value added contribution Percentage of GNP Contribution	Offshore fleet & exported fishery products Thousand Dollars
Domestic Harvest: Edible	-	100.0	\$2,959,992	63.2	\$1,869,939	\$2,959,992	6.6	-
Industrial	-	100.0	\$105,102	59.1	\$62,087	\$105,102	0.2	-
Harvest not landed in U.S	-	100.0	\$118,293	69.1	\$81,737	\$118,293	0.3	\$118,293
Imports, Unprocessed	\$3,839,860	-	-	-	-	\$3,839,860	-	-
Exports, Unprocessed	-	-	-	-	-	-	-	\$872,887
Primary Wholesale and Processing	\$6,032,067	97.9	\$5,904,804	60.4	\$3,566,318	\$11,936,871	12.6	-
Imports, Processed	\$6,449,850	-	-	-	-	\$6,449,850	-	-
Exports, Processed	-	-	-	-	-	-	-	\$2,293,854
Secondary Wholesale and Processing: Edible	\$15,918,894	62.7	\$9,982,754	28.0	\$2,799,517	\$25,901,648	9.9	-
Industrial	\$173,973	62.7	\$109,099	28.0	\$30,595	\$283,072	0.1	-
Retail Trade from Food Service	\$13,616,974	182.4	\$24,838,191	69.8	\$17,327,897	\$38,455,164	61.1	-
Retail Trade from Stores	\$12,284,674	33.4	\$4,105,818	64.2	\$2,637,230	\$16,390,493	9.3	-
TOTAL U.S. VALUE ADDED ACTIVITY:			\$28,375,321				100.0	
CONSUMERS EXPENDITURES (& WHOLESALE PURCHASES OF INDUSTRIAL PRODUCTS) FOR FISHERY PRODUCTS:						\$55,128,729		

(1) Includes industrial products and landings by U.S.-flag vessels at U.S. ports, foreign ports, and transfers to internal water processing vessels.

Note.-- The table reports the contribution of commercial marine fishing to the national economy as measured by margin, value added, and sales. These measures are consistent with the Bureau of the Census definitions.

Margin or mark-up is the difference between the price paid for the product by the consumer or wholesale purchaser and the dockside or wholesale value for an equivalent weight of the product. (It is assumed that fishermen catch their fish without paying purchase price and therefore the entire dockside or exvessel price is considered margin.) Value added is a measure of the factors added to the total worth of a product at each stage of the production process. It is defined as the gross receipts of firms minus the cost of purchased goods and services needed to fabricate the products. Gross National Product (GNP) is equal to the sum of the value added of all economic entities in the economy. Value added within a sector represents that sector's contribution to GNP.

Value added includes wages, salaries, interest, depreciation, rent, taxes and profit. Consumer expenditures are the final retail value of seafood products sold through stores and food service outlets plus secondary wholesale and processing of industrial products.

Prices

The Exvessel Price table is an index of changes in the relative dockside value of fish and shellfish sold by fishing vessels. The table indexes the average annual exvessel value (price per pound) received for each species or group to the average price per pound received for the same species or group in the base year 1982.

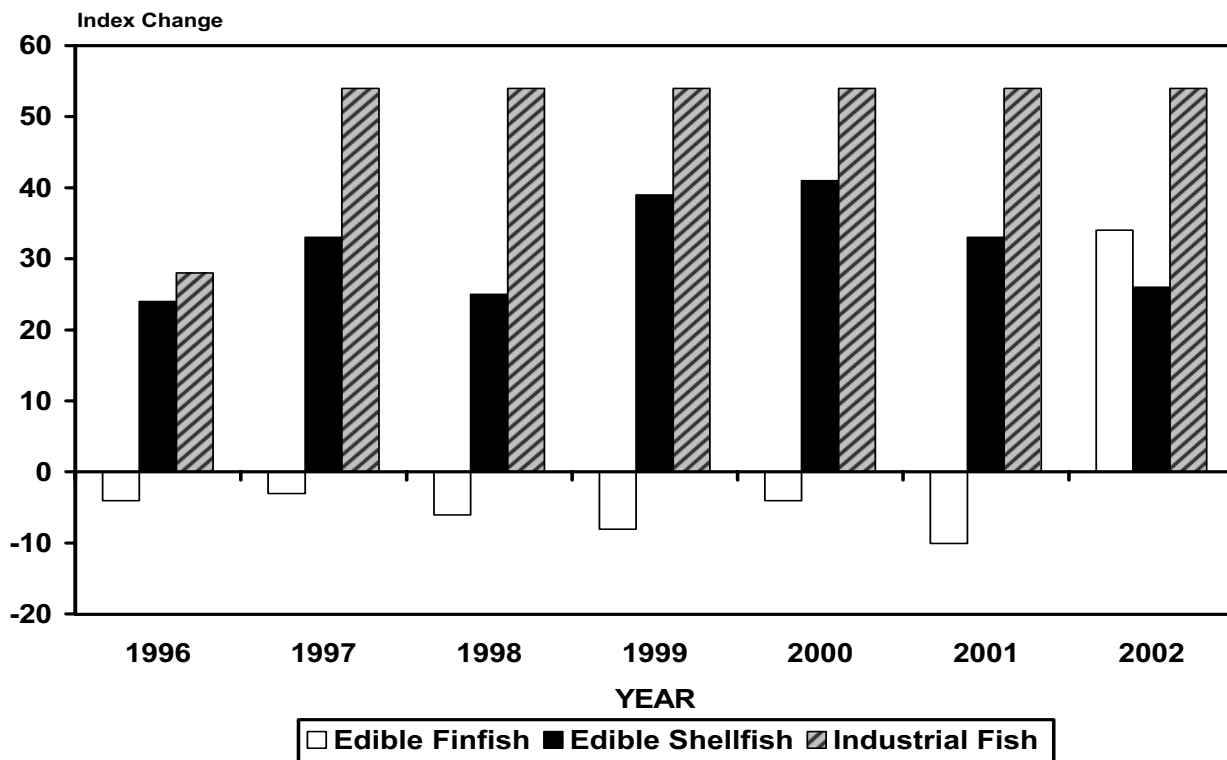
The exvessel price for each year was obtained by dividing total value for each species or group by its total quantity as reported in the U. S. commercial landings tables on pages 8 thru 13. The index for each species or group was obtained by multiplying the current annual price by the total quantity caught in 1982 (the base year). That

number was then divided by the 1982 value to obtain the final index:

$$\frac{(100 \times \text{Current price} \times \text{1982 quantity})}{\text{1982 Annual value}} = \text{Index}$$

Each index number measures price changes from the 1982 reference period when the index equaled 100. A species of fish that sold for \$0.75 a pound in 1986 and a \$1.00 a pound in 1982 would have an index of 75 in 1986. In 2002, if the price of the same species increased to \$1.07, the index in 2002 would be 107.

Percent Changes in the Exvessel Price Index, 1996-2002
(Change Relative to Base Year = 1982)



INDEXES OF EXVESSEL PRICES FOR FISH AND SHELLFISH, BY YEARS, 1996-2002 (1982=100)

Species	1996	1997	1998	1999	2000	2001	2002
Groundfish, et al:							
Cod	76	84	68	68	106	103	81
Haddock	239	218	253	264	264	227	230
Pollock:							
Atlantic	311	255	294	372	352	306	351
Alaska	160	170	124	124	109	128	108
Flounders	91	63	67	74	72	81	74
Total groundfish, et al.	115	100	99	106	144	114	105
Halibut	199	195	165	180	225	172	192
Sea herring	137	63	46	57	51	51	57
Salmon:							
Chinook	63	70	64	92	89	74	62
Chum	36	49	39	40	54	67	37
Pink	38	52	61	61	58	48	30
Sockeye	94	103	131	87	86	62	64
Coho	48	70	54	96	54	41	35
Total salmon	69	81	90	81	75	60	52
Swordfish	103	91	70	76	78	77	72
Tuna:							
Albacore	130	124	99	125	134	132	98
Bluefin	229	353	295	736	760	706	731
Skipjack	82	93	79	63	52	74	189
Yellowfin	113	126	100	88	122	120	396
Total tuna	105	118	96	94	109	116	309
Total edible finfish	96	97	94	92	96	90	134
Clams:							
Hard	148	163	174	160	144	148	128
Ocean Quahog	142	145	148	154	166	201	204
Soft	205	236	238	255	237	295	291
Surf	115	116	103	99	106	110	106
Total clams	147	159	161	157	150	167	156
Crabs:							
Blue	266	271	271	303	303	346	298
Dungeness	143	210	192	213	222	213	173
King	100	94	80	175	137	137	170
Snow	130	76	54	85	177	150	132
Total crabs	144	135	121	178	188	188	184
American lobster	147	138	138	160	157	150	155
Oysters	214	199	188	191	156	176	184
Scallops:							
Bay	69	111	90	133	134	288	153
Calico	(2)	217	(1)	93	(1)	(1)	(1)
Sea	153	179	166	166	137	102	105
Total scallops	129	178	141	155	121	103	96
Shrimp:							
Gulf and South Atlantic	88	106	94	97	111	95	82
Other	148	134	331	152	144	103	88
Total shrimp	91	107	105	100	112	95	83
Total edible shellfish	124	133	125	139	141	133	126
Total edible fish and shellfish	111	117	111	118	121	114	130
Industrial fish, Menhaden	128	154	154	154	154	154	154
All fish and shellfish	112	119	113	119	122	116	131

(1) Confidential data.

(2) No landings reported.

Employment, Craft, and Plants

ESTIMATED NUMBER OF COMMERCIAL FISHING VESSELS (1) AND FISHING BOATS (2) BY REGION AND STATE, 2001 - 2002

Area and State	2001			2002		
	Vessels	Boats	Total	Vessels	Boats	Total
Northeast:						
Connecticut	182	243	425	NA	NA	NA
Delaware	184	NA	NA	NA	NA	NA
Maine	1,656	5,836	7,492	NA	NA	NA
Maryland (3)	32	NA	NA	NA	NA	NA
Massachusetts	695	4,540	5,235	NA	NA	NA
New Hampshire	109	471	580	NA	NA	NA
New Jersey	397	NA	NA	NA	NA	NA
New York (4)	NA	NA	NA	NA	NA	NA
Rhode Island	344	2,920	3,264	NA	NA	NA
Virginia (3)	261	NA	NA	NA	NA	NA
South Atlantic and Gulf:						
North Carolina	773	NA	NA	763	NA	NA
South Carolina	520	NA	NA	556	NA	NA
Georgia	265	NA	NA	226	NA	NA
Florida	2,136	5,502	7,638	1,934	4,438	6,372
Alabama	443	1,328	1,771	425	1,350	1,775
Mississippi	504	743	1,247	522	843	1,365
Louisiana	2,393	11,830	14,223	2,084	8,874	10,958
Texas	NA	NA	NA	NA	NA	NA
West Coast:						
Alaska	6,126	9,062	15,188	5,494	8,541	14,035
Washington	726	355	1,081	695	329	1,024
Oregon	721	376	1,097	639	359	998
California	1,307	1,132	2,439	1,201	997	2,198
Hawaii	347	2,467	2,814	NA	NA	NA
Great Lakes (5)						
Illinois	5	NA	NA	NA	NA	NA
Indiana	NA	NA	NA	NA	NA	NA
Michigan	NA	NA	NA	NA	NA	NA
Minnesota	1	24	25	NA	NA	NA
New York	1	NA	NA	NA	NA	NA
Ohio	31	19	50	NA	NA	NA
Pennsylvania	2	1	3	NA	NA	NA
Wisconsin	78	18	96	NA	NA	NA

(1) Vessels are documented craft greater than 5 net registered tons.

(2) Boats are craft less than 5 net registered ton.

(3) Only Federally collected data are available. Inshore data are not available.

(4) Excludes vessels and boats in the Great Lakes.

(5) Commercial fishing fleet size of the Great Lakes states represent only the number of licenses issued by the State; therefore, this may not be an accurate total. Tribal data are not included in this table.

NA -- Data not available or provided separately.

Employment, Craft, and Plants

PROCESSORS AND WHOLESALERS: PLANTS, AND EMPLOYMENT, 2001

Area and State	Processing		Wholesale (1)		Total	
	Plants	Employment	Plants	Employment	Plants	Employment
	-----Number-----					
New England:						
Maine	42	1,212	161	953	203	2,165
New Hampshire	6	249	17	138	23	387
Massachusetts	55	2,510	179	2,145	234	4,655
Rhode Island	17	426	37	282	54	708
Connecticut	4	63	25	192	29	255
Total	124	4,460	419	3,710	543	8,170
Mid-Atlantic:						
New York	6	167	266	1,921	272	2,088
New Jersey	15	1,307	81	793	96	2,100
Pennsylvania	5	671	38	492	43	1,163
Delaware	(2)	(2)	(2)	(2)	(2)	(2)
District of Columbia	-	-	(2)	(2)	(2)	(2)
Maryland	19	909	55	432	74	1,341
Virginia	32	1,254	53	458	85	1,712
Total	77	4,308	493	4,096	570	8,404
South Atlantic:						
North Carolina	36	903	69	677	105	1,580
South Carolina	3	28	(2)	(2)	(2)	(2)
Georgia	5	1,119	30	432	35	1,551
Florida	93	2,654	283	2,485	376	5,139
Total	137	4,704	382	3,594	516	8,270
Gulf:						
Alabama	72	1,310	28	477	100	1,787
Mississippi	35	2,806	26	121	61	2,927
Louisiana	91	2,239	105	749	196	2,988
Texas	25	1,378	73	805	98	2,183
Total	223	7,733	232	2,152	455	9,885
Pacific:						
Alaska	174	8,748	188	342	362	9,090
Washington	78	3,800	144	1,064	222	4,864
Oregon	30	1,201	(2)	(2)	30	1,201
California	106	5,392	282	4,256	388	9,648
Total	388	19,141	614	5,662	1,002	24,803
Inland States, Total	24	1,294	38	489	62	1,783
Other Areas or States:						
(3), Total	23	7,260	236	2,930	259	10,190
Grand total	996	48,900	2,414	22,633	3,410	71,533

(1) Data are based on North American Industry Classification System (NAICS) 42446 as reported to the Bureau of Labor Statistics.

(2) Included with Inland States. (3) Includes American Samoa, Hawaii, and Puerto Rico.

Fishery Products Inspection

FISHERY PRODUCTS AND ESTABLISHMENTS INSPECTED IN CALENDAR YEAR, 2002

Region	Edible fishery products						
	Establishment (1)		Amount inspected				Total
	SIFE (2)	In- plant (3)	Grade A (4)	PUFI (4)	No mark (5)	Lot (6)	
	-Average number-		----- Thousand pounds -----				
Northeast	0	64	27,304	142,519	66,785	89,849	326,456
Southeast	0	95	19,800	57,404	62,999	100,763	240,966
West	3	60	16,853	15,362	20,666	232,572	285,454
Total	3	219	63,958	215,285	150,449	423,184	(7) 852,875

(1) These establishments are inspected under contract and certified as meeting U.S. Department of Commerce (USDC) regulations for construction and maintenance of facilities and equipment processing techniques, and employment practices.

(2) Fish processing establishments approved for sanitation under the Sanitary Inspected Fish Establishment Service (SIFE). Products are not processed under inspection.

(3) Sanitarily inspected fish establishments processing fishery products under USDC inspection. As of December 2002, 75 of these were in the Hazard Analysis Critical Control Point (HACCP) Quality Management Program.

(4) Products processed under USDC inspection in inspected establishments and labeled with USDC inspection mark as "Processed Under Federal Inspection" (PUFI) and/or "U.S. Grade A."

(5) Products processed under inspection in inspected establishments but bearing no USDC inspection mark.

(6) Lot inspected and marked products checked for quality and condition at the time of examination and located in processing plants, warehouses, cold storage facilities, or terminal markets anywhere in the United States.

(7) Based on 2001 per capita consumption data, approximately 17.07 percent of seafood consumed in the U.S. is certified under the auspices of the Seafood Inspection Program.

Note:--Table may not add due to rounding.

Source:--NMFS, Seafood Inspection Program, F/Sl.

The Magnuson-Stevens Fishery Conservation and Management Act

The Magnuson-Stevens Fishery Conservation and Management Act, Public Law 94-265 as amended (Magnuson-Stevens Act), provides for the conservation and management of fishery resources within the U.S. Exclusive Economic Zone (EEZ). It also provides for fishery management authority over continental shelf resources and anadromous species beyond the EEZ, except when they are found within a foreign nation's territorial sea or fishery conservation zone (or equivalent), to the extent that such sea or zone is recognized by the United States.

The EEZ extends from the seaward boundary of each of the coastal States (generally 3 nautical miles from shore for all but two States) to 200 nautical miles from shore. The seaward boundaries of Texas, Puerto Rico, and the Gulf coast of Florida are 3 marine leagues (9 nautical miles). The EEZ encompasses approximately 3.36 million square nautical miles.

GOVERNING INTERNATIONAL FISHERY AGREEMENT

Under the Magnuson-Stevens Act, the Secretary of State, in cooperation with the Secretary of Commerce, negotiates Governing International Fishery Agreements (GIFAs) with foreign nations requesting to fish within the EEZ. After a GIFA is signed, it is transmitted by the President to the Congress for ratification.

FOREIGN FISHING PERMITS

Title II of the Magnuson-Stevens Act governs foreign fishing in the EEZ. The process applied to foreign fishing has been described in prior issues of this publication. As U.S. fishing capacity grew, foreign participation in directed fisheries, as well as in foreign joint ventures in which U.S. vessels delivered U.S. harvested fish to permitted foreign vessels in the EEZ diminished until, in 1991, foreign vessels no longer were permitted to conduct directed fishing in the EEZ. This marked the achievement of one of the objectives of the Magnuson-Stevens Act, that is, the development of the U.S. fishing industry to take what were in 1976 underutilized species, and the displacement of directed foreign fishing effort in the EEZ.

As a result of the above, there has been very little total allowable level of foreign fishing (TALFF) issued since

1991. NMFS continues to maintain certain regulations pertaining to foreign fishing should there be a situation in the future in which allowing limited foreign fishing in an underutilized fishery would be of advantage to the U.S. fishing industry.

FMPs and PMPs

Under the Magnuson-Stevens Act, eight Regional Fishery Management Councils are charged with preparing Fishery Management Plans (FMPs) for the fisheries needing management within their areas of authority. After the Councils prepare FMPs that cover domestic and foreign fishing efforts, the FMPs are submitted to the Secretary of Commerce (Secretary) for approval and implementation. The Department, through NMFS agents and the U.S. Coast Guard, is responsible for enforcing the law and regulations.

The Secretary is empowered to prepare FMPs in the Atlantic and Gulf of Mexico for highly migratory species. Where no FMP exists, Preliminary Fishery Management Plans (PMPs), which only cover foreign fishing efforts, are prepared by the Secretary for each fishery for which a foreign nation requests a permit. The Secretary is also empowered to produce an FMP for any fishery that a Council has not duly produced. In this latter case, the Secretary's FMP covers domestic and foreign fishing.

The Atlantic swordfish, Atlantic sharks, and Atlantic billfish fisheries are currently being managed by the Secretary under the Magnuson-Stevens Act, and the Western Atlantic bluefin tuna fishery is managed under the Magnuson-Stevens Act and the Atlantic Tunas Convention Act.

FISHERY MANAGEMENT PLANS (FMPs)

Under section 304 of the Magnuson-Stevens Act, all Council-prepared FMPs must be reviewed for approval by the Secretary. After FMPs have been approved under section 304 of the Magnuson-Stevens Act, they are implemented by Federal regulations, under section 305 of the Act. As of December 31, 2002, there are 43 FMPs in place. Of these, two are Secretarial FMPs for Atlantic highly migratory species. The 41 FMPs the Councils prepared are listed below. The FMPs are amended by the Councils and the amendments are submitted for

The Magnuson-Stevens Fishery Conservation and Management Act

approval under the same Secretarial review process as new FMPs. Most of the FMPs listed have been amended since initial implementation

Northeast Multispecies

Atlantic Herring

Monkfish

Atlantic Bluefish

Atlantic Coast Red Drum

Atlantic Mackerel, Squid, and Butterfish

Deep-sea Red Crab (new)

Mid-Atlantic Tilefish

Atlantic Salmon

Atlantic Sea Scallops

Atlantic Surf Clams and Ocean Quahogs

Summer Flounder, Scup, and Black Sea

Bass

Spiny Dogfish

Gulf and South Atlantic Spiny Lobster

Caribbean Reef Fish

Gulf of Mexico Reef Fish

Gulf of Mexico Corals

South Atlantic Corals

South Atlantic Golden Crab

Caribbean Coral Reef Resources

Gulf of Mexico Shrimp

Gulf of Mexico Stone Crab

Gulf of Mexico Red Drum

Coastal Migratory Pelagics

Caribbean Queen Conch

Caribbean Spiny Lobster

South Atlantic Snapper/Grouper

South Atlantic Shrimp

Pacific Coastal Pelagic Species

King and Tanner Crab

Commercial and Recreational Salmon

High Seas Salmon

Pacific Coast Groundfish

Gulf of Alaska Groundfish

Bering Sea and Aleutian Islands

Groundfish

Alaska Scallops

Western Pacific Crustaceans

Western Pacific Precious Corals

Western Pacific Bottomfish and Seamount

Groundfish

Western Pacific Pelagics

Western Pacific Coral Reef Ecosystems (new)

In 2002, NMFS published 959 documents in the Federal Register that affected domestic fishing issues and either proposed or implemented fishery management actions (i.e., FMP and amendments). The documents published included hearing, meeting, correction, and proposed and final rule documents.

The Magnuson-Stevens Fishery Conservation and Management Act

REGIONAL FISHERY MANAGEMENT COUNCILS

<u>Council</u>	<u>Constituent States</u>	<u>Telephone Number</u>	<u>Executive Directors and Addresses</u>
NEW ENGLAND	(Maine, New Hampshire, Massachusetts, Rhode Island, and Connecticut)	978-465-0492 FAX: 465-3116	Paul J. Howard 50 Water St. The Tannery -- Mill 2 Newburyport, MA 01950
MID-ATLANTIC	(New York, New Jersey, Delaware, Pennsylvania, Maryland, Virginia, and North Carolina)	302-674-2331 FAX: 674-5399	Daniel T. Furlong Federal Bldg., Rm. 2115 300 South New St. Dover, DE 19904
SOUTH ATLANTIC	(North Carolina, South Carolina, Georgia and Florida)	843-571-4366 FAX: 769-4520	Robert K. Mahood Southpark Bldg. - Rm. 306 1 Southpart Circle Charleston, SC 29407
GULF OF MEXICO	(Texas, Louisiana, Mississippi, Alabama, and Florida)	813-228-2815 FAX: 225-7015	Wayne E. Swingle 3018 U.S. Highway 301, North Suite 1000 Tampa, FL 33619
CARIBBEAN	(U.S. Virgin Islands and Commonwealth of Puerto Rico)	787-766-5926 FAX: 766-6239	Miquel A. Rolon 268 Ave. Munoz Rivera Suite 1108 San Juan, PR 00918
PACIFIC	(California, Washington, Oregon, and Idaho)	503-820-2280 FAX: 820-2299	Donald O. McIsaac 7700 NE Ambassador Place Suite 200 Portland, OR 97220
NORTH PACIFIC	(Alaska, Washington, and Oregon)	907-271-2809 FAX: 271-2817	Chris W. Oliver 605 W. 4th Ave. Room 306 Anchorage, AK 99501
WESTERN PACIFIC	(Hawaii, American Samoa, Guam, and Commonwealth of the Northern Mariana Islands)	808-522-8220 FAX: 522-8226	Kitty M. Simonds 1164 Bishop St. Suite 1400 Honolulu, HI 96813

The Magnuson-Stevens Fishery Conservation and Management Act

OPTIMUM YIELD (OY) AND OTHER SPECIFICATIONS, INCLUDING AMOUNTS AVAILABLE FOR JOINT VENTURE PROCESSING: NORTH ATLANTIC, BY SPECIES, 2002 (1)

Item	Loligo squid	Illex squid	Atlantic mackerel	Butterfish	Atlantic herring
----- Metric tons, round weight -----					
Maximum OY	(2) 26,000	(2) 24,000	(3)	(2) 16,000	(4) 250,000
ABC	17,000	24,000	347,000	7,200	300,000
Initial OY	(5) 16,898	24,000	(6) 85,000	5,900	250,000
DAH	(5) 16,898	24,000	(7) 85,000	5,900	250,000
DAP	(5) 16,898	24,000	50,000	5,900	226,000
JVP	0	0	(8) 20,000	0	20,000
Other	NA	NA	NA	NA	(9) 4,000
TALFF	0	0	0	0	0

(1) OY=Optimum Yield; ABC=Allowable Biological Catch; DAH=Domestic Annual Harvest; DAP=Domestic Annual Processing; JVP=Joint Venture Processing; and TALFF=Total Allowable Level of Foreign Fishing.

(2) Maximum OY based on the Fishery Management Plan for Atlantic mackerel, squid and butterfish.

(3) Not applicable based on the Fishery Management Plan for Atlantic mackerel, squid and butterfish.

(4) Maximum OY based on the Fishery Management Plan for Atlantic Herring.

(5) Excludes 102 metric tons for research set aside (RSA).

(6) Initial OY can increase during the year, but the total cannot exceed 347,000 metric tons.

(7) Includes 15,000 metric tons of Atlantic mackerel recreational allocation.

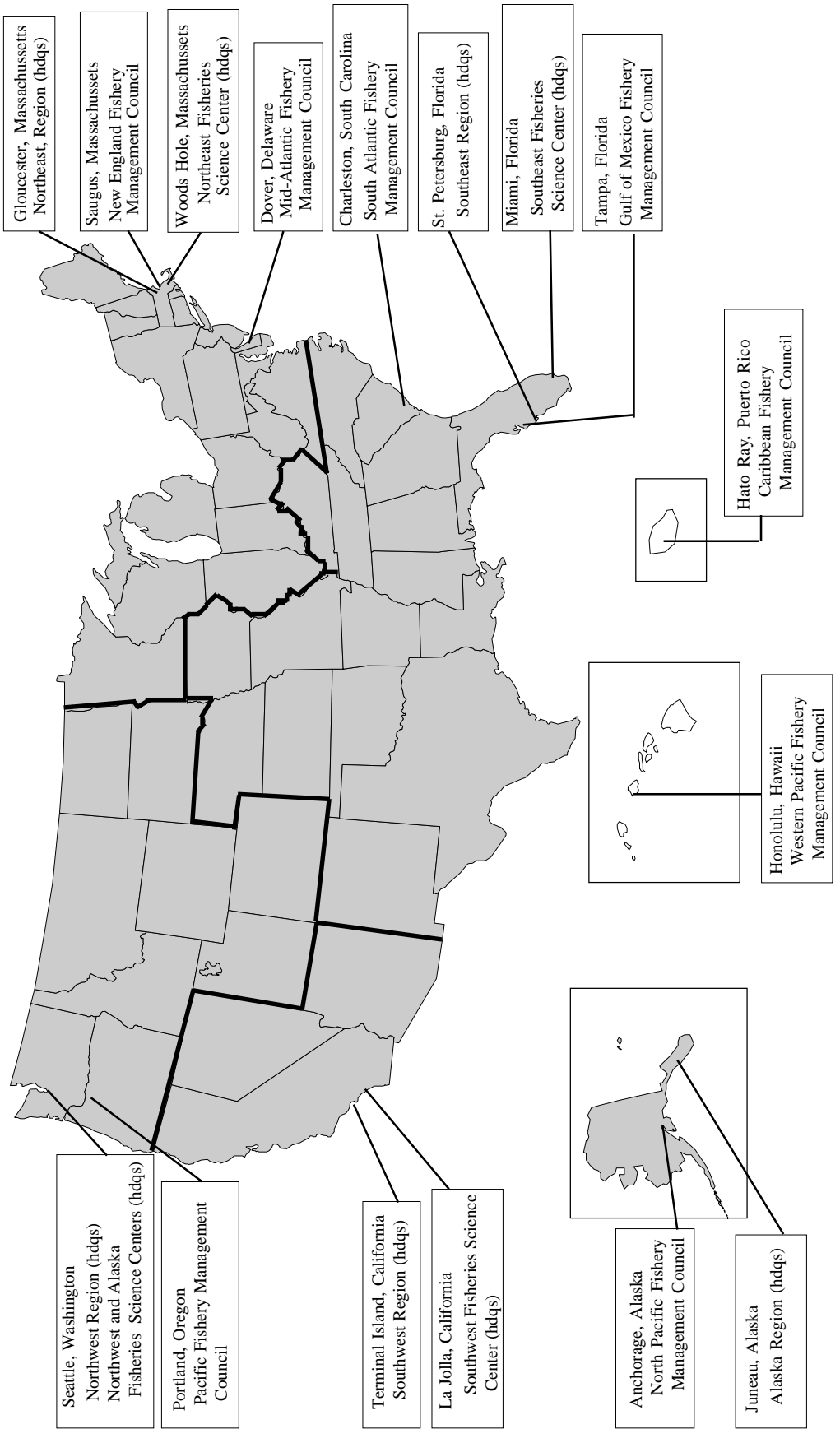
(8) JVP may be increased up to 30,000 metric tons at discretion of Regional Administrator.

(9) Represents 4,000 metric tons specified for transfers to Canadian herring carriers.

NA--Not available.

Source:--NMFS, Office of Sustainable Fisheries, F/SF; and NMFS, Northeast Region, F/NER.

NMFS Regional Offices NMFS Fisheries Science Centers Regional Fishery Management Councils Headquarters Locations



General Administrative Information ---

UNITED STATES DEPARTMENT OF COMMERCE

*14th and Constitution Ave., NW
Washington, DC 20230*

<u>MAIL ROUTING CODE</u>		<u>TELEPHONE NUMBER</u>
--	Secretary of Commerce Donald L. Evans	202-482-2112
A	Under Secretary of Commerce for Oceans and Atmosphere Conrad C. Lautenbacher, Jr., Vice Admiral, U.S. Navy (Ret.)	202-482-3436
NATIONAL MARINE FISHERIES SERVICE		
1315 East-West Highway Silver Spring Metro Center #3 (SSMC) Silver Spring, MD 20910		
F	Assistant Administrator for Fisheries -- William T. Hogarth, Ph.D.	301-713-2239
	Deputy Assistant Administrator for Regulatory Programs -- Rebecca J. Lent, Ph.D.	301-713-2239
	Deputy Assistant Administrator for Operations -- John Oliver	301-713-2239
	Director Scientific Programs & Chief Science Advisor -- Michael Sissenwine, Ph.D.	301-713-2239
	Chief Information Officer -- Larry Tyminski	301-713-2372
	Equal Employment Opportunity -- Natalie Huff	301-713-1456
F/CS	Constituent Services -- Linda Chaves	301-713-2379
F/CS1	Constituent and Outreach Services	301-713-2379
F/CS2	Financial Services	301-713-2390
F/EN	Office of Law Enforcement -- Dale Jones	301-427-2300
F/EN1	Enforcement Operations Division	301-427-2300
F/SI	Seafood Inspection Program -- Richard Cano (Acting)	301-713-2351
F/HC	Office of Habitat Conservation -- Rolland A. Schmitt	301-713-2325
F/HCx1	Chesapeake Bay Program Office	410-267-5660
F/HC1	Ecosystem Assessment Division	301-713-2325
F/HC2	Habitat Protection Division	301-713-2325
F/HC3	Habitat Restoration Division	301-713-0174

General Administrative Information ---

UNITED STATES DEPARTMENT OF COMMERCE

Silver Spring, MD. 20910

<u>MAIL ROUTING CODE</u>		<u>TELEPHONE NUMBER</u>
F/MB	Office of Management and Budget -- Gary Reisner	301-713-2259
F/MB 1	Budget Execution Division	301-713-2245
F/MB 2	Management and Administration Division	301-713-2259
F/MB 3	Program Planning and Evaluation Division	301-713-2370
F/MB 4	Budget Formulation and Appropriations Division	301-713-2325
F/PR	Office of Protected Resources -- Laurie Allen (Acting)	301-713-2332
F/PR1	Permits Conservation and Education Division	301-713-2289
F/PR2	Marine Mammal Conservation Division	301-713-2322
F/PR3	Endangered Species Division	301-713-2219
F/PR4	Planning and Program Coordination Division	301-713-1401
F/SF	Office of Sustainable Fisheries -- John H. Dunnigan	301-713-2334
F/SF1	Highly Migratory Species Division	301-713-2347
F/SF3	Domestic Fisheries Division	301-713-2341
F/SF4	International Fisheries Division	301-713-2276
F/SF5	Regulatory Services Division	301-713-2337
F/SF6	Seafood Inspection Laboratory	301-713-2334
F/SF8	State - Federal Fisheries Division	301-713-2334
F/ST	Office of Science and Technology -- William Fox, Jr., Ph.D.	301-713-2367
F/ST1	Fisheries Statistics & Economics Division	301-713-2328
F/ST2	Research Analysis and Coordination Division	301-713-2363
F/ST21	Scientific Publications Unit	206-526-6107
F/ST3	International Science Coordination and Analysis Division	301-713-2288
LA11	Office of Congressional Affairs - Fisheries -- Stewart Harris	202-482-7940
PAF	Office of Public Affairs - Fisheries -- Gordon Helm	301-713-2370
GCF	Office of General Counsel - Fisheries -- Mariam McCall (Acting)	301-713-2231

General Administrative Information ---

NATIONAL MARINE FISHERIES SERVICE REGIONAL FACILITIES

<u>MAIL ROUTING CODE</u>	<u>OFFICE</u>	<u>TELEPHONE and FAX NUMBER</u>	<u>LOCATION</u>
F/NER	Northeast Region One Blackburn Drive Gloucester, MA 01930	978-281-9300 Fax-281-9371	Gloucester, MA
F/NEC3	Northeast Fisheries Science Center 166 Water St. - Rm. 312 Woods Hole, MA 02543	508-495-2233 Fax-548-2258	Woods Hole, MA
	Woods Hole Laboratory 166 Water St. Woods Hole, MA 02543	508-495-2000 Fax-495-2258	Woods Hole, MA
	Narragansett Laboratory 28 Tarzwell Drive Narragansett, RI 02882	401-782-3200 Fax-782-3201	Narragansett, RI
	Milford Laboratory 212 Rigers Ave. Milford, CT 06460	203-579-7000 FAX-579-7070	Milford, CT
	Sandy Hook Laboratory Building 74, McGruder Highlands, NJ 07732	732-872-3000 FAX-872-3088	Highlands, NJ
F/NEC3	Natl. Systematics Laboratory, MRC153 10th & Constitution Ave., NW Washington, DC 20560	202-357-2550 FAX-357-1896	Washington, DC
F/SER	Southeast Region 9721 Executive Center Drive, N. St. Petersburg, FL 33702	727-570-5301 FAX-570-5300	St. Petersburg, FL
F/SEC	Southeast Fisheries Science Center 75 Virginia Beach Dr. Miami, FL 33149	305-361-4284 FAX-361-4219	Miami, FL
F/SEC4	Miami Laboratory 75 Virginia Beach Dr. Miami, FL 33149	305-361-4225 FAX-361-4499	Miami, FL
F/SEC5	Mississippi Laboratory 3209 Frederick St., P.O. Drawer 1207 Pascagoula, MS 39567	228-762-4591 FAX-769-9200	Pascagoula, MS
F/SEC6	Panama City Laboratory 3500 Delwood Beach Rd. Panama City, FL 32408	850-234-6541 FAX-235-3559	Panama City, FL
F/SEC7	Galveston Laboratory 4700 Avenue U Galveston, TX 77551	409-766-3500 FAX-766-3508	Galveston, TX

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General Administrative Information ---

NATIONAL MARINE FISHERIES SERVICE REGIONAL FACILITIES

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F/SEC9	Beaufort Laboratory 101 Pivers Island Rd Beaufort, NC 28516	252-728-3595 FAX-728-8784	Beaufort, NC
F/NWR	Northwest Region 7600 Sand Point Way, N.E., Bldg. 1 Seattle, WA 98115	206-526-6150 FAX-526-6426	Seattle, WA
F/NWC	Northwest Fisheries Science Center West Bldg. - Rm. 363 2725 Montlake Boulevard, East Seattle, WA 98112	206-860-3200 FAX-860-3217	Seattle, WA
F/SW	Southwest Region 501 West Ocean Blvd., Suite 4200 Long Beach, CA 90802	562-980-4000 FAX-980-4018	Long Beach, CA
F/SWC	Southwest Fisheries Science Center 8604 La Jolla Shores Dr. P.O. Box 271 La Jolla, CA 92038	858-546-7000 FAX-546-5655	La Jolla, CA
F/SWC3	Santa Cruz / Tiburon Laboratory 110 Shaffer Rd. Santa Cruz, CA 95060	415-435-3149 FAX-435-3675	Santa Cruz, CA
F/SWC4	Pacific Fisheries Environmental Group 1352 Lighthouse Ave. Pacific Grove, CA 93950	408-648-8515 FAX-648-8440	Pacific Grove, CA
F/AKR	Alaska Region 709 West 9th Street, Room 453 P.O. Box 21668 Juneau, AK 99802	907-586-7221 FAX-586-7249	Juneau, AK
F/AKC	Alaska Fisheries Science Center, 7600 Sand Point Way, N.E. P.O. Box C15700 - Bldg. #4 - Rm. 2149 Seattle, WA 98115	206-526-4000 FAX-526-4004	Seattle, WA
	Kodiak Laboratory 301 Research Court Kodiak, AK 99615	907-481-1700 FAX-481-1701	Kodiak, AK
F/AKC4	Auke Bay Laboratory 11305 Glacier Highway Auke Bay, AK 99801	907-789-6000 FAX-789-6094	Auke Bay, AK
F/PIR	Pacific Islands Region 1601 Kapiolani Blvd., Rm. 1110 Honolulu, HI 96814	808-973-2937 FAX-973-2941	Honolulu, HI
F/PIC	Pacific Islands Fisheries Science Center 2570 Dole Street, Rm. 106 Honolulu, HI 96822	808-983-5300 FAX-983-2902	Honolulu, HI

General Administrative Information

NATIONAL MARINE FISHERIES SERVICE NATIONAL FISHERY STATISTICS OFFICES

<u>CITY</u>	<u>TELEPHONE NUMBER</u>	<u>NAME AND ADDRESS</u>
<u>NEW ENGLAND:</u>		
(1) Portland	207-780-3322	Scott McNamara / Jessica Holton / Steve Link, Marine Trade Center,
	FAX:780-3340	Suite 212, Two Portland Fish Pier, Portland, ME 04101
Boston	617-223-8018	Jack French, Boston Market News, 408 Atlantic Ave., Rm. 141,
	FAX:223-8526	Boston, MA 02210
(1) Gloucester	978-281-9304	Gregory R. Power, Fishery Inf. Section, One Blackburn Dr.,
	FAX:281-9161	Blackburn Dr., Gloucester, MA 01930
Gloucester	978-281-9386 / 9263	Don Mason / William Heiskel, 11-15 Parker St., Fish Pier,
	FAX:281-9372	Gloucester, MA 01930
New Bedford	508-999-2452	Dennis E. Main / Sarah Babson-Pike /Steve Kelly, U.S. Custom House,
	FAX:990-2506	37 No. Second St., New Bedford, MA 02740
Chatham	508-945-5961	Lorraine Spenle, 29C Stage Harbor Road,
	FAX:945-3793	Chatham, MA 02633
Woods Hole	508-495-2309	John Mahoney, NMFS, Northeast Fisheries Science Center,
	FAX:495-2258	166 Water St., Woods Hole, MA 02543
Point Judith	401-783-7797	Walter Anoushian /Chris Zanni / Anthony Morales,
	FAX:782-2113	83 State St., 2nd Floor, P.O. Box 547,Narragansett, RI 02882
<u>MIDDLE ATLANTIC AND CHESAPEAKE:</u>		
New York	212-620-3405	Leo Gaudin / R. Santangelo, New York Market News, 201 Varick St.,
	FAX:620-3577	Rm. 701, New York, NY 10014
East Hampton	631-324-3569	Erik Braun, 62 Newtown Lane, Suite 203,
	FAX:324-3314	East Hampton, NY 11937
Patchogue	631-475-6988	David McKernan, Social Security Bldg., 50 Maple Ave., P.O.Box 606,
	FAX:289-8361	Patchogue, L.I., NY 11772
Riverhead	631-727-7850	Tara Frolich / Greg Gorniok / Albert Leo
	FAX:369-5944	39 Sound Ave, Riverhead, NY 11901
(1) Toms River	732-349-3533	Eugene Steady / Nicole Wesley, 26 Main St., P.O. Box 143,
	FAX:349-4319	Toms River, NJ 08754
Cape May	609-884-2113	Walt Makowski / Ingo Fleming, 1382 Lafayette St., P.O. Box 624,
	FAX:884-4908	Cape May, NJ 08204
Hampton	757-723-3369	David Ulmer / Steve Ellis / George Mattingly, 1026 Settlers Landings Rd.,
	FAX:728-3947	Suite F, P.O. Box 436, Hampton, VA 23669
<u>SOUTH ATLANTIC AND GULF:</u>		
(1) Beaufort	252-728-8721	David Gloeckner, Beaufort Laboratory, 101 Pivers Island Rd.,
	FAX:728-8772	Beaufort, NC 28516
New Smyrna Beach	904-427-6562	Claudia Dennis / Garry Haddle, Coast Guard Station/Ponce,
	FAX: SAME	P.O. Box2025, New Smyrna Beach, FL 32170
Tequesta	561-575-4461	H.Charles Schaefer / Michelle Gamby, 19100 S.E. Fedl. Highway,
	FAX:361-4565	P.O. Box 3478, Tequesta, FL 32170
(1) Miami	305-361-4468	Guy S. Davenport / Pam Brown-Eyo, 75 Virginia Beach Dr.,
	FAX:361-4460	Miami, FL 33149
Key West	305-294-1921	Edward J. Little, Jr., Federal Bldg. Rm. 208, 301 Simington St.
	FAX: SAME	Key West, FL 33040
Fort Myers	941-334-4364	Tom Herbert, 2000 Main St., Suite 409
	FAX: SAME	Fort Myers, FL 33901
St. Petersburg	727-570-5393	Renee Roman / Pam Machuga, 9721 Executive Center Dr.,
	FAX: 570-5300	St. Petersburg, FL 33702

(CONTINUED)

General Administrative Information

NATIONAL MARINE FISHERIES SERVICE NATIONAL FISHERY STATISTICS OFFICES

<u>CITY</u>	<u>TELEPHONE NUMBER</u>	<u>NAME AND ADDRESS</u>
<u>SOUTH ATLANTIC AND GULF:</u>		
Panama City	850-234-6541 FAX: 235-3558	Deborah Fable / June Weeks, 3500 Delwood Beach Rd., Panama City, FL 32407
Mobile	251-441-6193 FAX: SAME	Ted Flowers, U.S.Coast Guard - ATC, P.O. Box 97, Mobile, AL 36608
Pascagoula	228-762-7402 FAX: 769-9200	Rene Labadens / Charles Armstrong, 3209 Frederic St., P.O. Box Drawer 1207, Pascagoula, MS 39567
Golden Meadow	985-632-4324 FAX: SAME	Gary J. Rousse, 115 Piciola Pkwy., (Galliano, LA), P.O.Box 623, Golden Meadow, LA 70357
Houma	985-872-3321 FAX: SAME	Kathleen Hebert, 425 Lafayette St., Rm. 128, Houma, LA 70360
Lafayette	337-291-2119 FAX: 291-2120 337-291-2117 FAX: 291-2118	Linda F. Guidry, NOAA Fisheries Lab., 646 Cajundome Blvd., Room 220 Lafayette, LA 70506 Beth Bourgeois, NOAA Fisheries Lab., 646 Cajundome Blvd., Room 218 Lafayette, LA 70506
New Orleans	504-365-0314 FAX: 363-0297 504-362-3089 504-362-8508 504-362- 7705	Debbie Batiste (Market News Office), Naval Support Activity, 2300 General Myers Ave., Bldg. H-100, Rm. 282, New Orleans, LA 70142 Maggie Bourgeois, Address & Fax number same as above. Jay Boulet, Address and Fax number same as above. Jan Simpson, Address and Fax number same as above.
Aransas Pass	361-758-0436 FAX: 758-1043	Roy Spears, 132 Cleveland Blvd., P.O. Box 1815, Aransas Pass, TX 78336
Brownsville/ Port Isabel	956-548-2516 FAX: SAME	Kit Doncaster / Edie Lopez, Shrimp Turning Basin, HC 70 Box 15, Brownville, TX 78521
Freeport	979-233-4551 FAX: SAME	Michelle Padgett, Texas Gulf Bank, Suite 213, P.O.Box 2533, Freeport, TX 77542
Galveston	409-766-3515 FAX:766-3543	Keith Roberts, 4700 Avenue U, Bldg. 302 Galveston, TX 77551
Port Arthur	409-727-2271 FAX: SAME	Linda S. Trahan, Federal Bldg., Rm. 113, 2875 Jimmy Johnson Blvd., Port Arthur, TX 77640
<u>SOUTHWEST PACIFIC:</u>		
(1) Long Beach, C.	562-980-4033 FAX:980-4047	Patricia J. Donley, 501 West Ocean Boulevard, Rm. 4200, P.O. Box 32469, Long Beach, CA 90832
<u>NORTHWEST PACIFIC:</u>		
(1) Seattle	206-526-6119 FAX:526-4461	John K. Bishop, Bldg. 1, 7600 Sand Point Way, NE, Seattle, WA 98115
<u>ALASKA :</u>		
(1) Juneau	907-586-7323 FAX:586-7465	Galen Tromble, Federal Building, 4th Floor, 709 West 9th St., P.O. Box 21668, Juneau, AK 99802
<u>PACIFIC ISLANDS:</u>		
(1) Honolulu	808-983-5330 FAX:983-2902	David Hamm, 2570 Dole Street Honolulu, HI 96822-2396

(1) Regional or area headquarters for statistics offices.

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NOAALINC is available to anyone, without restriction, 24 hours a day, every day of the year. Visitors to the NOAA Central Library can access the catalog through workstations located throughout the Library. Remote users can access the catalog through a link from the NOAA Central Library's homepage at <http://www.lib.noaa.gov/>.

NOAA personnel may contact their nearest NOAA Library or the NOAA Central Library and arrange to borrow materials. Members of the general public should contact their local library to arrange for an interlibrary loan. Restrictions apply on circulation of certain materials.

For further information contact the NOAA Central Library, 1315 East-West Highway, 2nd Floor, Silver Spring, MD 20910-3282. Telephone: 301-713-2600 (Ext. 124) or E-mail: Library.Reference@noaa.gov.

PUBLICATIONS AVAILABLE FROM U.S. GOVERNMENT PRINTING OFFICE

STATISTICAL REPORTS

- 003-020-00000-0 Fisheries of the United States, 2002...N/A
- 003-020-00177-7 Fisheries of the United States, 2001...\$20.00
- 003-020-00174-2 Fisheries of the United States, 2000...\$18.00
- 003-020-00169-6 Fisheries of the United States, 1997...\$19.00

MISCELLANEOUS REPORTS

- 003-020-00171-8 Our Living Oceans, Report on the Status of U.S. Living Marine Resources, 1999...\$43.00
- 003-009-00650-3 U.S. Global Outlook (Name change) 1995: Business Forecasts for 350 Industries ...\$25.00
- 703-023-00000-2 Fishery Bulletin (Quarterly) Publishes Original Research (FB) 2d Papers, etc...\$48.00 a year

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PUBLICATIONS AVAILABLE FROM NATIONAL MARINE FISHERIES SERVICE AND NATIONAL TECHNICAL INFORMATION SERVICE (NTIS)

SCIENTIFIC PUBLICATIONS:

Information on formal scientific publications by NMFS (such as NMFS journals and technical publications) may be obtained from the Scientific Publications Office (F/ST1), 7600 Sand Point Way, N.E., BIN C 15700, Seattle, WA 98115.

Telephone: 206-526-6107 - <http://spo.nwr.noaa.gov/>

CURRENT FISHERY STATISTICS (CFS) SERIES:

The reports listed below are in the Current Fisheries Statistics (CFS) series. They are statistical bulletins on marine recreational fishing, commercial fishing, and on the manufacture and commerce of fishery products. For further information or to obtain a subscription to these publications, contact the office shown below:

NOAA, National Marine Fisheries Service
Fisheries Statistics and Economics Division (F/ST1)
1315 East-West Highway - Station 12340
Silver Spring, MD 20910
Telephone: 301-713-2328

Homepage: <http://www.st.nmfs.gov/st1/>

The bulletins shown below cover freezings and holdings prior to 1997 and holdings only for 1997, and the U.S. foreign trade in fishery products. This information may be obtained through our homepage listing under Fishery Market News (the address is listed above).

- () FF - Frozen Fishery Products (Annuals 1990-2002)
- () FT - Imports and Exports of Fishery Products (Annuals 1996 - 2002)

Foreign Trade Information from 1989 through the current month is available through our homepage.

OTHER PUBLICATIONS:

All publications listed below may be obtained from NTIS (address and phone number listed on page 115), the originating office (code follows in parentheses) or the appropriate homepage. Copies are available only as long as supply lasts.

() A Review of National and International Literature on the Effects of Fishing on Benthic Habitats. (F/HC)

() Wetlands and Fish: Catch the Link (F/HC)

() Counting on Anglers, a Video Tape Overview of the NMFS Marine Recreational Fisheries Statistics Survey. (F/ST1)

() Protecting and Restoring Essential Fish Habitat. (F/HC).

() Report on Apportionments of Membership on the Regional Fishery Management Council (RFMCs) in 2002. (F/SF).

() The Saltonstall-Kennedy Grant Program: Fisheries Development and Utilization Research and Development Report to Congress on Status of Fisheries of the United States. National Marine Fisheries Service. August 2002. (SFA homepage) Grants - Annotated Bibliography (F/CS).

() USDC Approved List of Fish Establishments and Products — Semi-Annual Report. (Documentation Approval and Supply Service, Pascagoula, MS., Phone: 228-762-1892).

Atlantic Striped Bass Studies: 2001 Biennial Report to Congress. National Marine Fisheries Service and U.S. Fish and Wildlife Service, 2001. Silver Spring, MD. 33 p. (F/FS).

Marine Mammal Protection Act Annual Report to Congress. National Marine Fisheries Service. 1998-2000. Silver Spring, MD. (F/PR)

Marine Mammal Protection Act Bulletin. National Marine Fisheries Service. Newsletter. Silver Spring, MD (F/PR)

Recovery Plan for U.S. Pacific Population of the Green Turtle (*Chelonia mydas*). National Marine Fisheries Service and U.S. Fish and Wildlife Service. 1998. Silver Spring, MD. (F/PR).

Publications

Recovery Plan for U.S. Pacific Population of Hawksbill Turtle (*Eretmochelys imbricata*). National Marine Fisheries Service and U.S. Fish and Wildlife Service. 1998. Silver Spring, MD. (F/PR).

Recovery Plan for U.S. Pacific Leatherback Turtle (*Dermochelys coriacea*). National Marine Fisheries Service and U.S. Fish and Wildlife Service. 1998. Silver Spring, MD (F/PR).

Recovery Plan for U.S. Pacific Population of the Loggerhead Turtle (*Chelonia caretta*). National Marine Fisheries Service and U.S. Fish and Wildlife Service. 1998. Silver Spring, MD. (F/PR).

Recovery Plan for the Olive Ridley Turtle (*Lepidochelys olivacea*). National Marine Fisheries Service and the U.S. Fish and Wildlife Service, 1998. Silver Spring, MD. (F/PR).

Toward Rebuilding America's Marine Fisheries. Annual Report to Congress on Status of United States Fisheries - 2001. National Marine Fisheries Service. April, 2002 (SFA homepage)

Viewing Marine Mammals in the Wild- Responsible Guidelines and Regulations for Minimizing Disturbance. National Marine Fisheries Service. 2001. Silver Spring, MD. (F/PR)

COMMERCIAL FISHERIES:

Fisheries of the United States is a preliminary report with historical comparisons on the Nation's fishing, fish processing, and foreign trade in fishery products. The following reports are available through NTIS.

Year	Accession No.
1966	COM-75-10662
1967	COM-75-10663
1968	COM-75-10664
1969	COM-75-10665
1970	COM-71-50081
1971	COM-75-10666
1972	COM-73-50644
1973	COM-74-50546
1974	COM-75-10862
1975	PB-253966
1976	PB-268662
1977	PB-282741

Year	Accession No.
1978	PB-297083
1979	PB-80-201593
1980	PB-81-241648
1981	PB-82-215542
1982	PB-83-216473
1983	PB-84-195148
1984	PB-86-144953
1985	PB-87-143145
1986	PB-88-164132
1987	PB-88-215173
1988	PB-89-216485
1989	PB-91-129-320
1990	PB-92-174523/AS
1991	PB-93-204536/AS
1992	PB-94-156387
1993	PB-95-219192

Fisheries Statistics of the United States (Statistical Digest) is a final report on the Nation's commercial fisheries showing more detail than Fisheries of the United States.

Year	Accession No.
1939	COM-75-11265
1940	COM-75-11266
1941	COM-75-11267
1942	COM-75-11268
1943	COM-75-11269
1944	COM-75-11270
1945	COM-75-11271
1946	COM-75-11272
1947	COM-75-11273
1948	COM-75-11274
1949	COM-75-11275
1950	COM-75-11056
1951	COM-75-11053
1952	COM-75-11054
1953	COM-75-11055
1954	COM-75-11057
1955	COM-75-11058
1956	COM-75-11059
1957	COM-75-11060
1958	COM-75-11061
1959	COM-75-11062
1960	COM-75-11063

Publications

Fisheries Statistics of the United States *(continued)*

Year	Accession No.
1961	COM-75-11064
1962	COM-75-11065
1963	COM-75-11066
1964	COM-75-11067
1965	COM-75-11068
1966	PB-246429
1967	PB-246430
1968	COM-72-50249
1969	COM-75-10887
1970	COM-75-10643
1971	COM-74-51227
1972	COM-75-11430
1973	PB-262058
1974	PB-277796
1975	PB-300625
1976	PB-81-163438
1977	PB-84-192038

HISTORICAL REPORTS:

Historical Catch Statistics is a series of publications reporting catch of certain species in the United States for historical purposes. The following reports are available through NTIS:

Atlantic and Gulf Coast States, 1879 - 1989. Current Fisheries Statistics No. 9010 - Historical Series Nos. 5-9 Revised. Report covers total landings for major species, by state and by region. (NTIS No. PB-93-174266).

Atlantic and Gulf Coast States, 1950 - 1991. Current Fisheries Statistics No. 9210 - Historical Series No. 10- Revised. Report covers landings and value of major species, by Region. (NTIS No. PB-93-174274).

IMPORTS AND EXPORTS OF FISHERY PRODUCTS

Annual Summary:

Year	Accession No.
1982	PB-92-218635
1983	PB-92-218643
1984	PB-92-214972
1985	PB-92-222280
1986	PB-92-228196
1987	PB-92-228055
1988	PB-92-222272

Year	Accession No.
1989	PB-92-222264
1990	PB-92-222256
1991	PB-92-221803
1992	PB-95-219499
1993	PB-95-219481
1994	PB-95-219507

STATISTICS SURVEY:

Atlantic and Gulf Coasts:

Year	Accession No.
1979-80	PB-84-199652
1979 (Revised)-1980	PB-89-102552
1981-1982	PB-89-102560
1983-1984	PB-89-102628
1985	PB-89-102669
1986	PB-89-102701
1987-1989	PB-92-174820
1990-1991	(F/ST1)

Pacific Coast:

Year	Accession No.
1981-1982	PB-89-102925/AS
1983-1984	PB-89-102933/AS
1985	PB-89-102941/AS
1986	PB-89-102958/AS
1987-1989	(F/ST1)

PROCESSED FISHERY PRODUCTS:

Annual Summary:

Year	Accession No.
1979	PB-89-215248/AS
1980	PB-89-215255/AS
1981	PB-89-215263/AS
1982	PB-89-215289/AS
1883	PB-89-215271/AS
1984	PB-89-215297/AS
1985	PB-89-215305/AS
1986	PB-89-215313/AS
1987	PB-92-172956
1988	PB-92-204528/AS

STATE LANDINGS:

Maine: 1946-76, PB-271-296;
1977-79, PB-128258.

Publications

Massachusetts: 1943-76, PB-275866;
1977-79, PB-81-143182.

Rhode Island: 1954-77; PB-287627;
1978-79, PB-81-157158.

New York: 1954-76, PB-275449;
1977-79, PB-81-134546.

New Jersey: 1952-76, PB-275696;
1977-79, PB-81-159048

Maryland: 1960-76, PB-300636;
1977-79, PB-81-159003.

Virginia: 1960-76, PB-300637;
1977-79, PB-82-151960.

North Carolina: 1955-76, PB-288928;
1977-79, PB-82-151978.

South Carolina: 1957-76, PB-289405;
1977-79, PB-81-163198.

Georgia: 1956-76, PB-289814;
1977-79, PB-81- 157166.

Florida: 1950-76, PB-292068.

Alabama: 1950-77, PB-80-121262;
1978, PB-82-168071.

Mississippi: 1951-77, PB-80-121270;
1978, PB-82-169079.

Louisiana: 1957-77, PB-300583;
1978, PB82-168063.

Texas: 1949-77, PB-300603;
1978-79, PB-82-169004.

Shrimp Landings: 1956-76, PB-80-124696;
1978-79, PB-82-156183.

Gulf Coast Shrimp Data: 1958-76, PB-80-126899;
1978-79, PB-82-170390.

INTERNATIONAL REPORTS:

The Division of International Science and Technology, NMFS, prepares assessments of major fisheries to support priority NMFS programs. These reports may be of interest to the wider fishery community as they include biological, commercial, and technical information of potential use to academicians, industry, and environmentalists.

Swordfish:

In 1997 work was completed on a six-volume study, culminating a five-year research project to compile and

analyze information on every key swordfish catching nation in the world. World Swordfish Fisheries is the most comprehensive documentation of this fishery ever produced. Each volume of the study contains information on catch, fishing grounds, fishing fleets, gear and methods, markets, trade, bycatch, research, international relations, and other facets of the fishery. The books are carefully documented and have extensive statistical appendices, graphics, and photographic images to help explain the fishery and illustrate key trends. Reports on the swordfish fisheries of the Atlantic-coast countries of Latin America was published in 1999 and reports on the Caribbean islands in 2001. The reports were published as NOAA Fisheries Technical Memoranda. These books are available from the NOAA Library: Steve Quillen, NOAA Library, 1315 East-West Highway, Silver Spring, MD 20910 (Steve.Quillen@noaa.gov)

If NOAA Library supplies are exhausted, xerox copies of these reports can be purchased from the National Technical Information Service (NTIS). NTIS order numbers are available from: Jacki Strader, NMFS Scientific Publications, Northwest Regional Office, 7600 Sandpoint Way NE, Bldg 1, Seattle, WA 98115 (Steve.Quillen@noaa.gov)

Volume I: Executive Overview. Summary of World Fisheries for Swordfish and Overview of Global and Regional Trends. (NMFS-F/SPO23, 1997), 53 p.

Volume II: Africa and the Middle East. Examination of Fisheries and Overview of Regional Trends in Africa and in Select Middle Eastern countries. (NMFS-F/SPO24, 1997), 235 p.

Volume III: Asia. Summary of Asian Fisheries and Overview of Regional Trends. Special Coverage of Japan, Korea, and Taiwan. (NMFS-F/SPO25, 1997), 44 p.

Volume IV: Latin America.

Part A1: Summary of Swordfish Fisheries, along the Pacific coast of South America. Detailed coverage of Chile. (NMFS-F/SPO26-27, 1997), two books, 843 p.

Part A2: Summary of Swordfish Fisheries, along the Atlantic coast of South America. Detailed coverage of Brazil. (NMFS-F/SPO34-36, 1999), three books, 916 p.

Part B: Summary of Swordfish Fisheries of the Caribbean islands. Detailed coverage of Cuba. (NMFS-F/SPO50-53, 2001), four books, 1,316 p.

Volume V: North America. Overview of Canadian and U.S. Fisheries for Swordfish. (NMFS-F/SPO28, 1997), 136 p.

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NORTHEAST REGION:

<http://www.nefsc.nmfs.gov/nefsc/publications/>

Status of Fishery Resources off the Northeastern United States. Various authors for various sections of the document. Continuously updated Web-only document. (<http://www.nefsc.nmfs.gov/sos/>). (F/NEC).

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Essential Fish Habitat Source Document[s]: Life History and Habitat Characteristics [for 31 species managed under fishery management plans by the New England and Mid-Atlantic Fishery Management Councils]. Various authors for various species. September 1999 for 29 species; January 2001 for one species. (NOAA-TM-NMFS-NE-122-152 & 163). Various pages for various species. (F/NEC).

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Atlantic Highly Migratory Species (HMS) - <http://www.nmfs.noaa.gov/sfa/hmspg.html> — HMS and Billfish Fishery Management Plans, implementing regulations and related documents. The Stock Assessment and Fishery Evaluation Report for HMS: SAFE2000. Information on Atlantic tunas permits and link to online permit shop. Lists of members of the Advisory Panels, upcoming meetings and other HMS news

Habitat Conservation - <http://www.nmfs.noaa.gov/habitat/> — Describes NOAA programs to conserve, protect, and restore habitats for living marine resources. Information on essential fish habitat, the NOAA Restoration Center and its Community-based Restoration Program, Damage Assessment and Restoration Program (DARP), and Coastal Wetlands Planning, Protection, and Restoration Act program (CWPPRA), and the NOAA Chesapeake Bay Office.

Inspection Program - <http://seafood.nmfs.noaa.gov> — Provides information on the voluntary National Seafood Inspection Program, including the services offered in the US and foreign countries to harvesters, processors, distributors, importers/exporters, buyers, and retailers; list of approved fish establishments and products; fees and charges; policies for advertising services; and official inspection marks and certificates.

Protected Resources - http://www.nmfs.noaa.gov/prot_res/prot_res.html — Contains recovery efforts for species considered endangered or threatened; depleted species of marine mammals; and a comprehensive list of other Internet resources pertaining to protection programs and other issues. Information on Endangered Species Act and Marine Mammal Protection Act.

Office of Constituent Services - <http://www.nmfs.noaa.gov/ocs> — Provides constituents and the general public access to NOAA Fisheries. OCS includes: Public Outreach/Education, Recreational Fisheries, Trade, Commercial, and Financial Services, as well as the S-K Grant Program. <http://www.nmfs.noaa.gov/ocs/skhome.html>

Northeast Region - <http://www.nero.nmfs.gov/doc/nero.html> — Describes the mission and responsibilities of the Regional Office Staffs and Divisions. Provides information on northeast fisheries regulations, quota reports for specific species, multi-species preliminary statistics reports; scallop and multi-species days-at-sea activity reports; federal aid for MARFIN and SK grant programs; vessel permit system data; and links to other NOAA sites.

Northeast Fisheries Science Center - <http://www.nefsc.nmfs.gov> — Provides current and historical northeast fisheries information and data about research facilities, vessels, programs, publications, management, laws and regulations, and answers to frequently asked questions on fish and fisheries research. Features in-depth information on northeast stock status and realtime, at-sea, display of research vessel activities, measurements, and observations.

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Southeast Region - <http://caldera.sero.nmfs.gov/> — Provides information on regional Federal activities including: fisheries regulations, news releases and fisheries bulletins, fisheries regulations, vessel and dealer permits, fishery management plan implementation/quotas, marine mammals and endangered species management and protection, habitat protection and restoration activities, and federal aid programs for grants and cooperative agreements.

Southeast Fisheries Science Center - <http://www.sefsc.noaa.gov/> — Describes the Center's programs, mission, laboratories, geographic scope, organization, research vessels, and upper-level scientific and management staff. Includes publications, news releases, newsletters (tuna and billfish), and information on the types of research being conducted on Pacific and Antarctic fishes, marine mammals, sea turtles, habitats, and marine ecosystems.

Alaska Region - <http://www.fakr.noaa.gov> — Provides information on in-season state of groundfish catch, current news releases and information bulletins, and current fisheries outlook and effort reports. Information on the Community Development Quota (CDQ) Program, At-Sea Scales Program, fisheries regulations and the manual for Groundfish Recordkeeping and Reporting. Information on the Individual Fishing Quota (IFQ) Program, marine mammals, habitat conservation, and links to other fisheries web sites.

Alaska Fisheries Science Center - <http://www.afsc.noaa.gov/> — Describes the mission of the Center and the organization and purpose of its laboratories, divisions, and programs dedicated to Federal fisheries and marine mammal research in the coastal oceans off Alaska and the West Coast of the United States. Provides stock assessments, databases, AFSC Quarterly Report, cruise reports and schedules, other online documents, publication lists, image gallery of marine mammals, fishes, and crabs, and educational materials.

Northwest Region - <http://www.nwr.noaa.gov> — Provides information on the region's activities, mission and responsibilities. It includes news releases, announcements, documents and Federal Register notices about fisheries management plans, public hearings, programs, regulations, Endangered Species Act listings and proposals, habitat conservation, and regional hydro power activities.

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Southwest Region - <http://swr.nmfs.noaa.gov> — Describes the mission and responsibilities of the regional office. Announcements of Federal Register notices on seasons, trip limits, and quotas. Provides information on fisheries statistics, trade data, canned tuna updates and status of tuna import quotas, and catch reports for various California fisheries. Japanese market reports are available on sablefish, shrimp, landings and wholesale prices, etc., and links to other pertinent sites of interest to fishery and seafood industries.

Southwest Fisheries Science Center - <http://swfsc.nmfs.noaa.gov> — Describes the Center's programs, mission, laboratories, geographic scope, organization, research vessels, and upper-level scientific and management staff. Includes publications, news releases, billfish newsletter, and information on the types of research being conducted on Pacific and Antarctic fishes, marine mammals, sea turtles, habitats, and marine ecosystems.

NOAA Public Affairs - <http://www.noaaneews.noaa.gov> — All NOAA and NMFS related Press Releases and links to other NOAA material available to the public. If you would like these releases through electronic mail rather than FAX, send e-mail to jslaff@hq.noaa.gov.

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The Office of Sea Grant is a major program element of the National Oceanic and Atmospheric Administration. The National Sea Grant College Program is funded jointly by the Federal Government and colleges or universities. Sea Grant's Extension Service offers a broad range of information concerning the Nation's fisheries to recreational and commercial fishermen, fish processors, and others. The following program leaders, listed alphabetically by State, can provide information on Sea Grant activities:

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ANADROMOUS SPECIES. These are species of fish that mature in the ocean, and then ascend streams to spawn in freshwater. In the Magnuson Act, these species include, but are not limited to, Atlantic and Pacific salmon, steelhead trout, and striped bass. See 42 FR 60682, Nov. 28, 1977.

ANALOG PRODUCTS. These include imitation and simulated crab, lobster, shrimp, scallops, and other fish and shellfish products fabricated from processed fish meat (such as surimi).

AQUACULTURE. The farming of aquatic organisms in marine, brackish or fresh water. Farming implies private or corporate ownership of the organism and enhancement of production by stocking, feeding, providing protection from predators, or other management measures. Aquaculture production is reported as the weight and value of cultured organisms at their point of final sale.

BATTER-COATED FISH PRODUCTS. Sticks and portions or other forms of fish or shellfish coated with a batter containing a leavening agent and mixture of cereal products, flavoring, and other ingredients, and partially cooked in hot oil a short time to expand and set the batter.

BOAT, OTHER. Commercial fishing craft not powered by a motor, e.g., rowboat or sailboat, having a capacity of less than 5 net tons. See motorboat.

BREADED FISH PRODUCTS. Sticks and portions or other forms of fish or shellfish coated with a non-leavened mixture containing cereal products, flavorings, and other ingredients. Breaded products are sold raw or partially cooked.

BREADED SHRIMP. Peeled shrimp coated with breading. The product may be identified as fantail (butterfly) and round, with or without tail fins and last shell segment; also known as portions, sticks, steaks, etc., when prepared from a composite unit of two or more shrimp pieces whole shrimp or a combination of both without fins or shells.

BUTTERFLY FILLET. Two skin-on fillets of a fish joined together by the belly skin. See fillets.

CANNED FISHERY PRODUCTS. Fish, shellfish, or other aquatic animals packed in cans, or other containers, which are hermetically sealed and heat-sterilized. Canned fishery products may include milk, vegetables, or other products. Most, but not all, canned fishery prod-

ucts can be stored at room temperature for an indefinite time without spoiling.

COMMERCIAL FISHERMAN. An individual who derives income from catching and selling living resources taken from inland or marine waters.

CONSUMPTION OF EDIBLE FISHERY PRODUCTS. Estimated amount of commercially landed fish, shellfish, and other aquatic animals consumed by the civilian population of the United States. Estimates are on an edible-weight basis and have been adjusted for beginning and ending inventories of edible fishery products. Consumption includes U.S. production of fishery products from both domestically caught and imported fish, shellfish, other edible aquatic plants, animals, and imported products and excludes exports and purchases by the U.S. Armed Forces.

CONTINENTAL SHELF FISHERY RESOURCES. These are living organisms of any sedentary species that at the harvestable stage are either (a) immobile on or under the seabed, (b) unable to move except in constant physical contact with the seabed or subsoil of the continental shelf. The Magnuson Act now lists them as certain abalones, surf clam and ocean quahog, queen conch, Atlantic deep-sea red crab, dungeness crab, stone crab, king crabs, snow (tanner) crabs, American lobster, certain corals, and sponges.

CURED FISHERY PRODUCTS. Products preserved by drying, pickling, salting, or smoking; not including canned, frozen, irradiated, or pasteurized products. Dried products are cured by sun or air-drying; pickled or salted products are those products preserved by applying salt, or by pickling (immersing in brine or in a vinegar or other preservative solution); smoked products are cured with smoke or a combination of smoking and drying or salting.

DEFLATED VALUE. The deflated values referred to in this document are calculated with the Gross Domestic Products Implicit Price Deflator. The base year for this index is 1987.

EDIBLE WEIGHT. The weight of a seafood item exclusive of bones, offal, etc.

EEZ. See U.S. Exclusive Economic Zone.

EL NINO. This anomalous ocean warming of the eastern Equatorial Pacific occurs at time intervals varying from 2-10 years. El Nino conditions result in an accu-

mulation of warm water off South America which reduced the upwelling of nutrient-rich water necessary to support fisheries production. These conditions extended northward to the U.S. Pacific Coast. In addition to affecting the food available for fish, El Nino appears to alter the normal ranges, distributions, and migrations of fish populations.

EUROPEAN UNION. Austria, Belgium and Luxembourg, Denmark, Federal Republic of Germany, Finland, Greece, France, Ireland, Italy, Netherlands, Portugal, Spain, Sweden, and United Kingdom.

EXPORT VALUE. The value reported is generally equivalent to f.a.s. (free alongside ship) value at the U.S. port of export, based on the transaction price, including inland freight, insurance, and other charges incurred in placing the merchandise alongside the carrier at the U.S. port of exportation. The value excludes the cost of loading, freight, insurance, and other charges or transportation cost beyond the port of exportation.

EXPORT WEIGHT. The weight of individual products as exported, i.e., fillets, steaks, whole, breaded, etc. Includes both domestic and foreign re-exports data.

EXVESSEL PRICE. Price received by the harvester for fish, shellfish, and other aquatic plants and animals.

FISH BLOCKS. Regular fish blocks are frozen blocks or slabs of fillets or pieces of fillets cut or sliced from fish. Minced fish blocks are frozen blocks or slabs of minced flesh produced by a meat and bone separating machine.

FISH FILLETS. The sides of fish that are either skinned or have the skin on, cut lengthwise from the backbone. Most types of fillets are boneless or virtually boneless; some may be labeled as “boneless fillets.”

FISH MEAL. A high-protein animal feed supplement made by cooking, pressing, drying, and grinding fish or shellfish.

FISH OIL. An oil extracted from body (body oil) or liver (liver oil) of fish and marine mammals; mostly a byproduct of fish meal production.

FISH PORTION. A piece of fish flesh that is generally of uniform size with thickness of 3/8 of an inch or more and differs from a fish stick in being wider or of a different shape. A fish portion is generally cut from a fish block.

FISH SOLUBLES. A water-soluble protein byproduct of fish meal production. Fish solubles are generally

condensed to 50 percent solids and marketed as “condensed fish solubles.”

FISH STEAK. A cross-section slice cut from a large dressed fish. A steak is usually about 3/4 of an inch thick.

FISH STICK. An elongated piece of breaded fish flesh weighing not less than 3/4 of an ounce and not more than 1-1/2 ounces with the largest dimension at least three times that of the next largest dimension. A fish stick is generally cut from a fish block.

FISHERY MANAGEMENT PLAN (FMP). A plan developed by a Regional Fishery Management Council, or the Secretary of Commerce under certain circumstances, to manage a fishery resource in the U.S. EEZ pursuant to the MFCMA (Magnuson Act).

FISHING CRAFT, COMMERCIAL. Boats and vessels engaged in capturing fish, shellfish, and other aquatic plants and animals for sale.

FULL-TIME COMMERCIAL FISHERMAN. An individual who receives more than 50 percent of his or her annual income from commercial fishing activities, including port activity, such as vessel repair and re-rigging.

GROUND FISH. Broadly, fish that are caught on or near the sea floor. The term includes a wide variety of bottom fishes, rockfishes, and flatfishes. However, NMFS sometimes uses the term in a narrower sense. In “Fisheries of the United States,” the term applies to the following species--Atlantic and Pacific: cod, hake, ocean perch, and pollock; cusk; and haddock.

IMPORT VALUE. Value of imports as appraised by the U.S. Customs Service according to the Tariff Act of 1930, as amended. It may be based on foreign market value, constructed value, American selling price, etc. It generally represents a value in a foreign country, and therefore excludes U.S. import duties, freight, insurance, and other charges incurred in bringing the merchandise to the United States.

IMPORT WEIGHT. The weights of individual products as received, i.e., fillets, steaks, whole, headed, etc.

INDUSTRIAL FISHERY PRODUCTS. Items processed from fish, shellfish, or other aquatic plants and animals that are not consumed directly by humans. These items contain products from seaweeds, fish meal, fish oils, fish solubles, pearl essence, shark and other aquatic animal skins, and shells.

INTERNAL WATER PROCESSING (IWPs). An operation in which a foreign vessel is authorized by the governor of a state to receive and process fish in the internal waters of a state. The Magnuson Act refers to internal waters as all waters within the boundaries of a state except those seaward of the baseline from which the territorial sea is measured.

JOINT VENTURE. An operation authorized under the MFCMA (Magnuson Act) in which a foreign vessel is authorized to receive fish from U.S. fishermen in the U.S. EEZ. The fish received from the U.S. vessel are part of the U.S. harvest.

LANDINGS, COMMERCIAL. Quantities of fish, shellfish, and other aquatic plants and animals brought ashore and sold. Landings of fish may be in terms of round (live) weight or dressed weight. Landings of crustaceans are generally on a live-weight basis except for shrimp which may be on a heads-on or heads-off basis. Mollusks are generally landed with the shell on, but for some species only the meats are landed, such as sea scallops. Data for all mollusks are published on a meat-weight basis.

MAGNUSON-STEVENSON FISHERY CONSERVATION AND MANAGEMENT ACT, Public Law 94-265, as amended. The Magnuson-Stevens Act provides a national program for the conservation and management of fisheries to allow for an optimum yield (OY) on a continuing basis and to realize the full potential of the Nation's fishery resources. It established the U.S. Exclusive Economic Zone (EEZ) (formerly the FCZ - Fishery Conservation Zone) and a means to control foreign and certain domestic fisheries through PMPs and FMPs. Within the U.S. EEZ, the United States has exclusive management authority over fish (meaning finfish, mollusks, crustaceans, and all other forms of marine animal and plant life other than marine mammals, birds, and highly migratory species of tuna). The Magnuson Act provides further exclusive management authority beyond the U.S. EEZ for all continental shelf fishery resources and all anadromous species throughout the migratory range of each such species, except during the time they are found within any foreign nation's territorial sea or fishery conservation zone (or the equivalent), to the extent that such a sea or zone is recognized by the United States.

MARINE RECREATIONAL FISHING. Fishing for pleasure, amusement, relaxation, or home consumption.

MARINE RECREATIONAL CATCH. Quantities of finfish, shellfish, and other living aquatic organisms caught, but not necessarily brought ashore, by marine recreational fisherman.

MARINE RECREATIONAL FISHERMEN. Those people who fish in marine waters primarily for recreational purposes. Their catch is primarily for home consumption, although occasionally a part or all of their catch may be sold and enter commercial channels. This definition is used in the NMFS Marine Recreational Fishery Statistics Survey, and is not intended to represent a NMFS policy on the sale of angler-caught fish.

MAXIMUM SUSTAINABLE YIELD (MSY). MSY from a fishery is the largest annual catch or yield in terms of weight of fish caught by both commercial and recreational fishermen that can be taken continuously from a stock under existing environmental conditions. A determination of MSY, which should be an estimate based upon the best scientific information available, is a biological measure necessary in the development of optimum yield.

METRIC TONS. A measure of weight equal to 1,000 kilograms, 0.984 long tons, 1.1023 short tons, or 2,204.6 pounds.

MOTORBOAT. A motor-driven commercial fishing craft having a capacity of less than 5 net tons, or not officially documented by the Coast Guard. See "boat, other".

NORTHWEST ATLANTIC FISHERIES ORGANIZATION (NAFO). This convention, entered into force January 1, 1979, replaces ICNAF. NAFO provides a forum for continued multilateral scientific research and investigation of fishery resources that occur beyond the limits of coastal nations' fishery jurisdiction in the northwest Atlantic, and will ensure consistency between NAFO management measures in this area and those adopted by the coastal nations within the limits of their fishery jurisdiction.

OPTIMUM YIELD (OY). In the MFCMA (Magnuson Act), OY with respect to the yield from a fishery, is the amount of fish that (1) will provide the greatest overall benefit to the United States, with particular reference to food production and recreational opportunities; and (2) is prescribed as such on the basis of maximum sustainable yield from such fishery, as modified by any relevant ecological, economic, or social factors.

PART-TIME COMMERCIAL FISHERMAN. An individual who receives less than 50 percent of his or her annual income from commercial fishing activities.

PER CAPITA CONSUMPTION. Consumption of edible fishery products in the United States divided by the total civilian population. In calculating annual per capita consumption, estimates of the civilian resident population of the United States on July 1 of each year are used. These estimates are taken from current population reports, series P-25, published by the U.S. Bureau of the Census.

PER CAPITA USE. The use of all fishery products, both edible and nonedible, in the United States divided by the total population of the United States.

PRELIMINARY FISHERY MANAGEMENT PLAN (PMP). The Secretary of Commerce prepares a PMP whenever a foreign nation with which the United States has made a Governing International Fishery Agreement (GIFA) submits an application to fish in a fishery not managed by an FMP. A PMP is replaced by an FMP as soon as the latter is implemented. A PMP applies only to foreign fishing.

RE-EXPORTS. Re-exports are commodities which have entered the U.S. as imports and are subsequently exported in substantially the same condition as when originally imported.

RETAIL PRICE. The price of fish and shellfish sold to the final consumer by food stores and other retail outlets.

ROUND (LIVE) WEIGHT. The weight of fish, shellfish, or other aquatic plants and animals as taken from the water; the complete or full weight as caught. The tables on world catch found in this publication include, in the case of mollusks, the weight of both the shells and the meats, whereas the tables on U.S. landings include only the weight of the meats.

SURIMI. Minced fish meat (usually Alaska pollock) which has been washed to remove fat and undesirable matters (such as blood, pigments, and odorous substances), and mixed with cryoprotectants, such as sugar and/or sorbitol, for a good frozen shelf life.

TOTAL ALLOWABLE LEVEL OF FOREIGN FISHING (TALFF). The TALFF, if any, with respect to any fishery subject to the exclusive fishery management authority of the United States, is that portion of the optimum yield of such fishery which will not be harvested by vessels of the United States, as determined by provisions of the MFCMA.

U.S. EXCLUSIVE ECONOMIC ZONE (EEZ). The MSFCMA (Magnuson-Stevens Act) defines this zone as contiguous to the territorial sea of the United States and extending seaward 200 nautical miles measured from the baseline from which the territorial sea is measured. This was formerly referred to as the FCZ (Fishery Conservation Zone).

U.S.-FLAG VESSEL LANDINGS. Includes landings by all U.S. fishing vessels regardless of where landed as opposed to landings at ports in the 50 United States. These include landings at foreign ports, U.S. territories, and foreign vessels in the U.S. FCZ under joint venture agreements. U.S. law prohibits vessels constructed or registered in foreign countries to land fish catches at U.S. ports.

U.S. TERRITORIAL SEA. A zone extending 3 nautical miles from shore for all states except Texas and the Gulf Coast of Florida where the seaward boundary is 3 marine leagues (9 nautical miles)

USE OF FISHERY PRODUCTS. Estimated disappearance of the total supply of fishery products, both edible and nonedible, on a round-weight basis without considering beginning or ending stocks, exports, military purchases, or shipments to U.S. territories.

VESSEL. A commercial fishing craft having a capacity of 5 net tons or more. These craft are either enrolled or documented by the U.S. Coast Guard and have an official number assigned by that agency.

WHOLESALE FISH AND SHELLFISH PRICES. Those prices received at principal fishery markets by primary wholesalers (processors, importers, and brokers) for customary quantities, free on board (f.o.b.) warehouse.

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Federal Inspection Marks for Fishery Products

NATIONAL FISHERY PRODUCTS INSPECTION PROGRAM. The U.S. Department of Commerce (USDC), National Marine Fisheries Service, a part of the National Oceanic and Atmospheric Administration, conducts a voluntary seafood inspection program on a fee-for-service basis. A HACCP-based service is also available. Services provided by the program include vessel and plant sanitation, product inspection and grading, label reviews, product specification reviews, laboratory analyses, training, education and information. Inspection and certification services are available nationwide and in U.S. territories for all interested parties. Consultative services are provided in foreign countries. Inspection and certification services are also provided for imported and exported products. The USDC Seafood Inspection Division also provides HACCP training, plan development, implementation assistance, and verification service to industry (domestic and foreign) for the purpose of demonstrating compliance with FDA's HACCP rule (21 CFR Parts 123 and 1240) regarding "Procedures for the Safe and Sanitary Processing and Importing of Fish and Fishery Products" which was implemented December 18, 1997.

USERS OF INSPECTION SERVICES. The users of the voluntary seafood inspection service include vessel owners, processors, distributors, brokers, retailers, food service operators, exporters, importers, and those who have a financial interest in buying and selling seafood products. The U.S. Department of Agriculture recommends that USDC inspected products be purchased for its food feeding programs. The **USDC APPROVED LIST OF FISH ESTABLISHMENTS AND PRODUCTS**, published bi-annually, provides a listing of products and participants who contract with USDC.

USDC INSPECTION MARKS. These marks designate the level and the type of inspection performed by the federal inspector. The marks can be used in advertising and labeling under the guidelines provided by the Seafood Inspection Division and in accordance with federal and state regulations regarding advertising and labeling. Products bearing the USDC official marks have been certified as being safe, wholesome, and properly labeled.

"US GRADE A" MARK. The U.S. GRADE A mark signifies that a product has been processed under federal inspection in an approved facility and meets the established level of quality of an existing U.S. grade standard. The U.S. Grade A mark indicates that the product is of high quality, uniform in size, practically free from blemishes and defects, in excellent condition and possessing good flavor and odor.

"PROCESSED UNDER FEDERAL INSPECTION" MARK. The PUF mark or statement signifies that the product has been inspected in an approved facility and was found to be safe, wholesome and properly labeled according to approved specifications or criteria. The language within the PUF mark has been amended to "Processed Under Federal Inspection" to reflect actual inspection procedures and the regulatory requirements for use of the mark.

"LOT INSPECTED" MARK. A new USDC Lot Inspected mark was created to replace the "Officially Sampled" and "Accepted Per Specifications" lot inspection marks used on retail labels. The latter marks were no longer allowed/accepted after September 30, 1997. The use of the new mark meets the needs of both industry and consumers by conveying that the products bearing the mark have been examined by the USDC Program.

"RETAIL" MARK. In response to requests made by industry, a new mark has been created for retail or food service establishments. Participants qualify for use of the "Retail Mark" by receiving the USDC HACCP-based service or being under contract for sanitation services and associated product evaluation. Usage of such a mark will give the retail industry the opportunity to advertise on their banners, logos, or menus that their facility has been recognized by USDC for proper sanitation and handling of fishery products.



USDC HACCP MARK. The USDC HACCP-based service is available to all interested parties on a fee-for-service basis. Label approval, record keeping and analytical testing are program requirements. An industry USDC-certified employee trained in HACCP principles is also required for each facility/site in the program. Compliance ratings determine frequency of official visits. Benefits to participants include increased controls through a more scientific approach, use of established marks, increased efficiency of federal inspection personnel, and enhanced consumer confidence. The USDC has made available a HACCP mark and a "banner" to distinguish products that have been produced under the HACCP-based program. The HACCP banner must be used as an attachment to existing inspection grade marks. Establishments meeting HACCP program requirements may use these marks in conjunction with promotional material, packaging, point-of-sale notices, and menus.

FOR FURTHER INFORMATION:

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