

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

National Marine Fisheries Service
Office of Science and Technology
Fisheries Statistics and Economics Division

David Van Voorhees, Chief (Acting)

Elizabeth S. Pritchard, Editor

Silver Spring, Maryland

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U.S. DEPARTMENT OF COMMERCE

Donald L. Evans, Secretary

National Oceanic and Atmospheric Administration

Conrad C. Lautenbacher Jr. Vice Admiral, U.S. Navy (Ret.), Under Secretary

National Marine Fisheries Service

William T. Hogarth, Ph.D., Assistant Administrator

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.

Address all comments or questions to:

Fisheries Statistics and Economics Division, (F/ST1)
National Marine Fisheries Service, NOAA
1315 East-West Highway - Rm. 12340
Silver Spring, MD 20910-3282
PHONE: 301-713-2328 / FAX: 301-713-4137
HOMEPAGE: <http://www.st.nmfs.gov/st1/>

Members of the Fisheries Statistics and Economics Division in Silver Spring who helped with this publication were: Susan Abbott-Jamieson, Rob Andrews, Nicole Bartlett, Daryl Bullock, Tina Chang, Trish Clay, Vicky Cornish, Rita Curtis, Lauren Dolinger Few, Josanne Fabian, Karen Foster, Amy Gautam, Brad Gentner, Dennis Hansford, Tim Haverland, Deborah Hogans, Steven Koplín, Barbara O'Bannon, Elizabeth Pritchard, Tom Sminkey, David Sutherland, Glen Taylor, Margaret Toner, Teresa Turk, Doug Turnbull, William Uttley, David Van Voorhees, Kristy Wallmo, Lelia Wise, and Patty Zielinski.

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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.

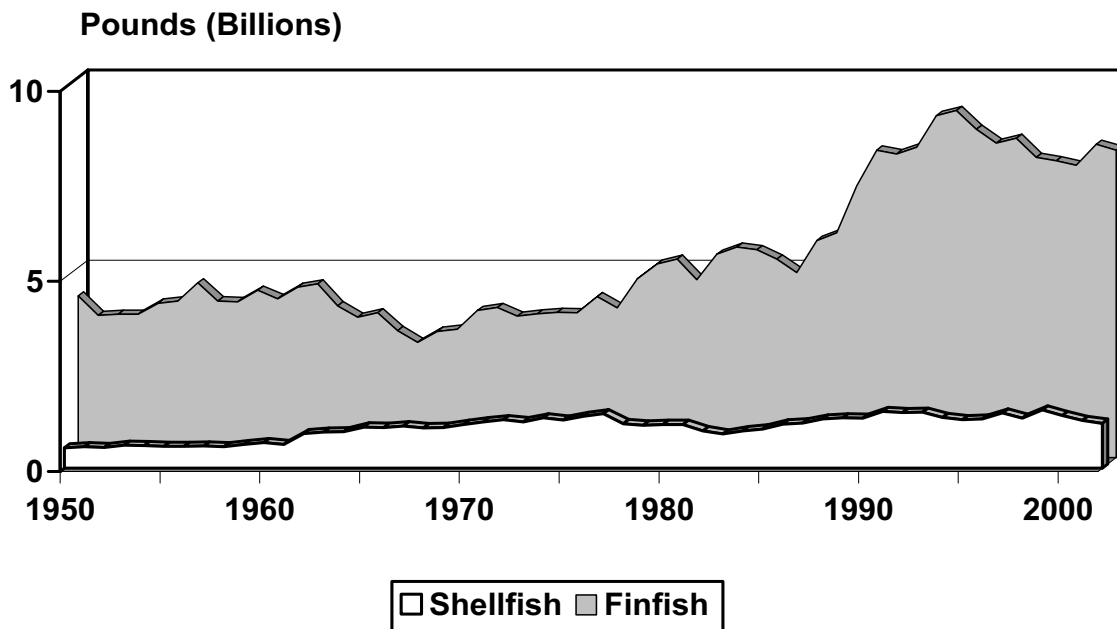
PER CAPITA CONSUMPTION

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.

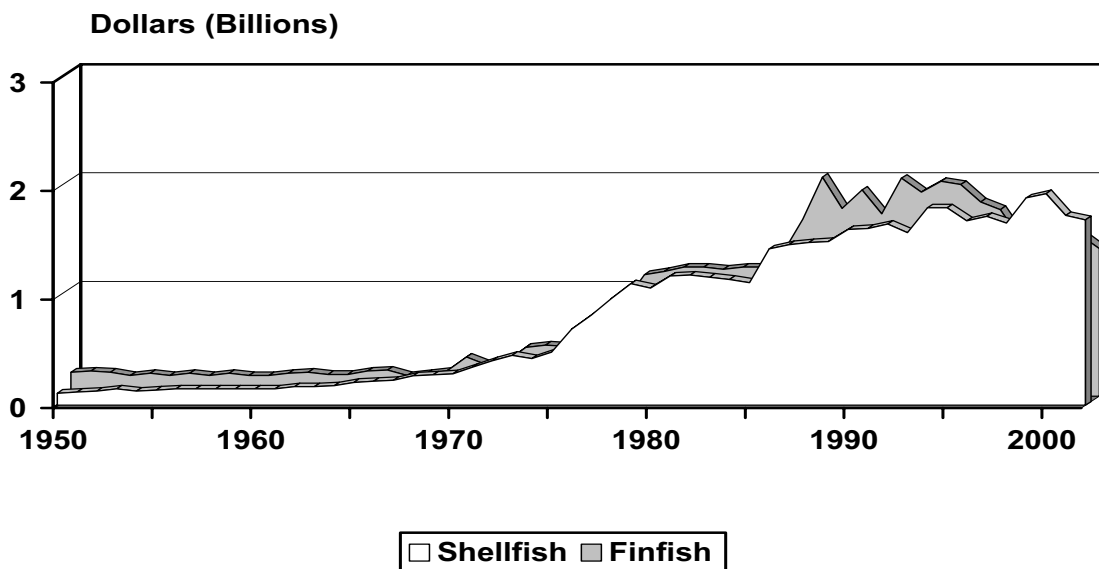
CONSUMER EXPENDITURES

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.

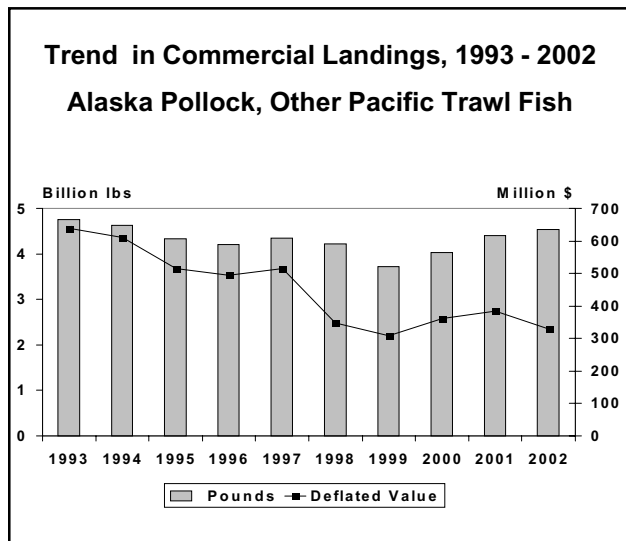
Major U.S. Domestic Species Landed in 2002 Ranked By Quantity and Value (Numbers in thousands)

| 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

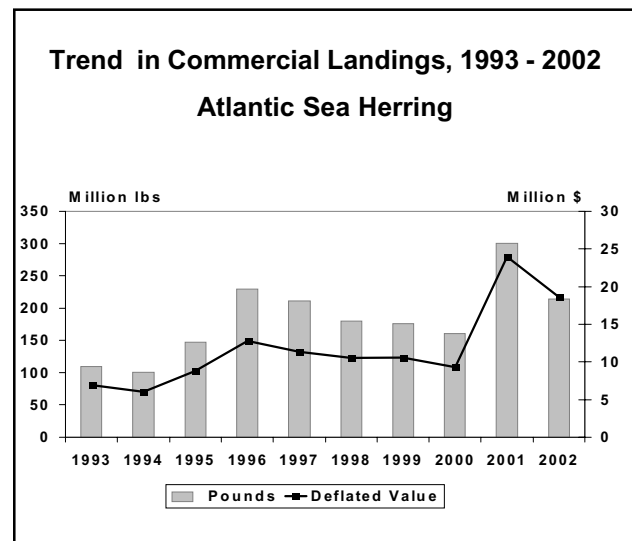
U.S. landings of Atlantic and Pacific halibut were 82.0 million pounds (round weight) valued at \$135.6 million—an increase of 4.1 million pounds (5 percent), and

\$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

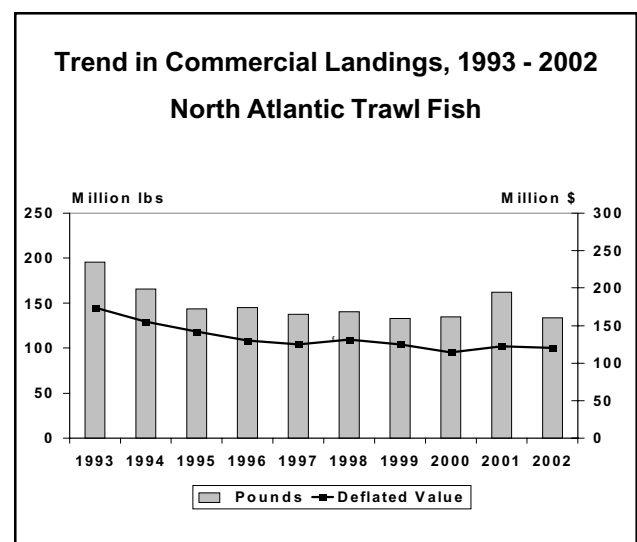
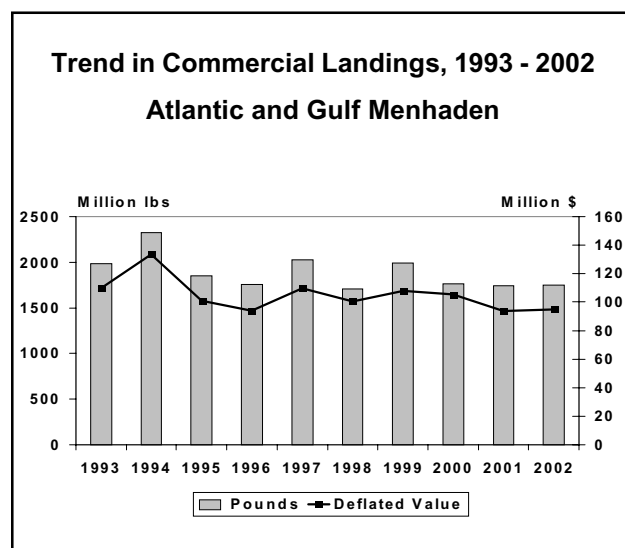
Landings of butterfish, Atlantic cod, cusk, flounders (winter/blackback, summer/fluke, yellowtail and other), haddock, red and white hake, ocean perch, pollock and whiting (silver hake) in the North Atlantic (combination of New England, Middle Atlantic, and Chesapeake Regions) were 133.3 million pounds 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.

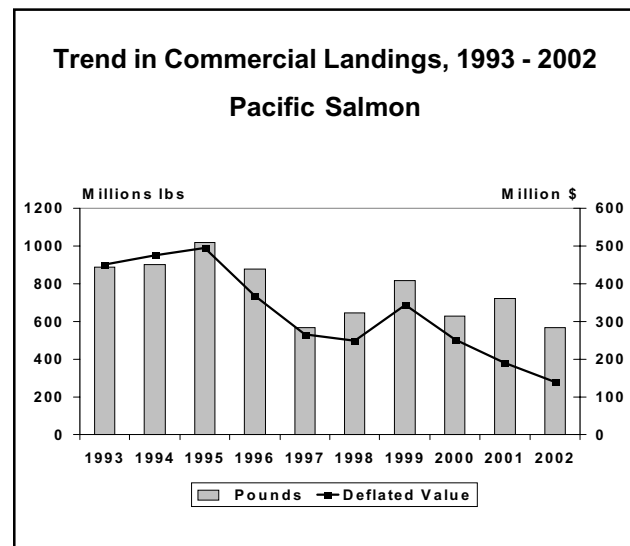
Alaska landings were 523.1 million pounds valued at \$129.9 million—a decrease of 163.3 million pounds (24 percent) and \$58.6 million (31 percent) compared with 2001. The distribution of Alaska salmon landings by species in 2002 was: pink, 255.8 million pounds (49 percent); sockeye, 132.8 million pounds (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.

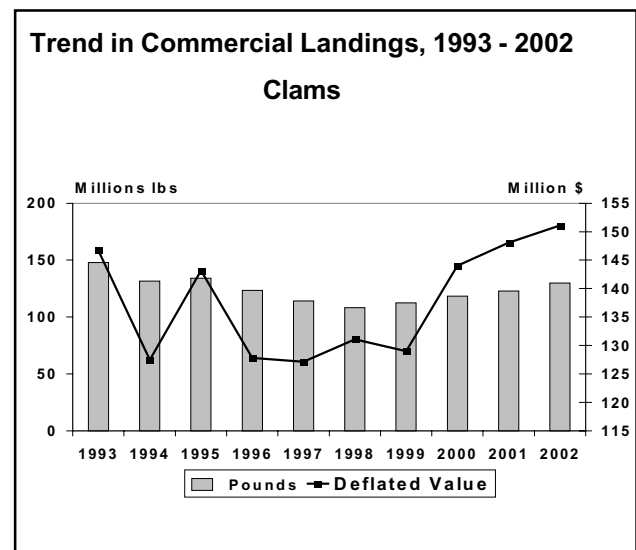
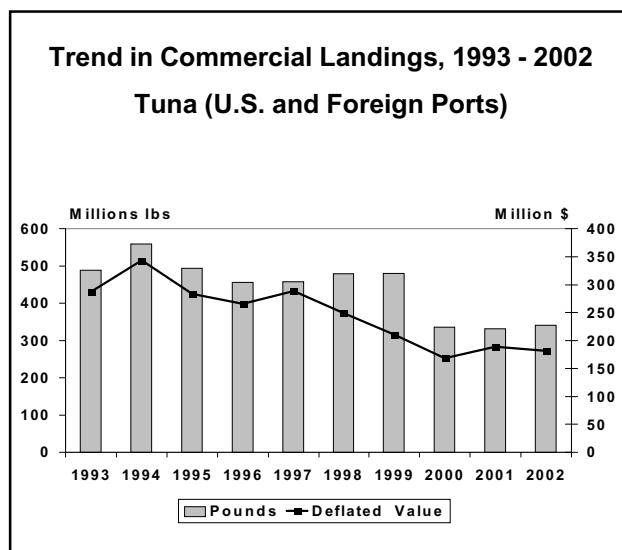
Bluefin landings were 2.8 million pounds—a decrease of 653,000 pounds (19 percent) compared with 2002. The average exvessel price per pound in 2002 was \$5.66 compared with \$5.56 in 2001.

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.

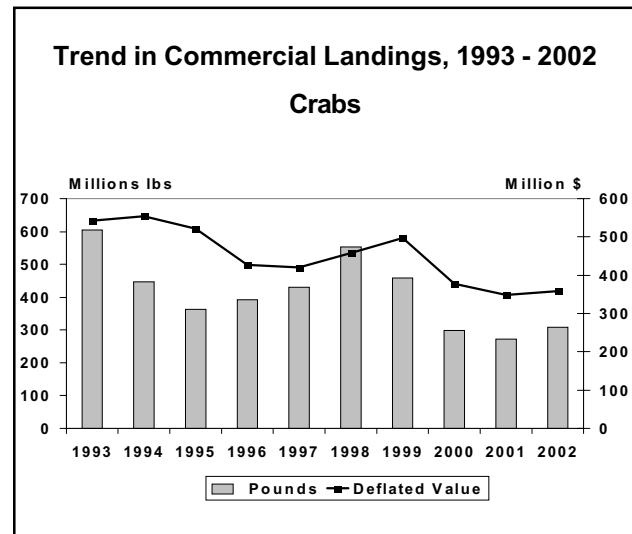
Hard blue crab landings were 172.2 million pounds valued at \$129.6 million—an increase of 21.2 million pounds (14 percent), but a decrease of \$2.6 million (2 percent) compared with 2001. Louisiana landed 31 percent of the total U.S. landings followed by: North Carolina, 21 percent; Maryland, 15 percent; 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

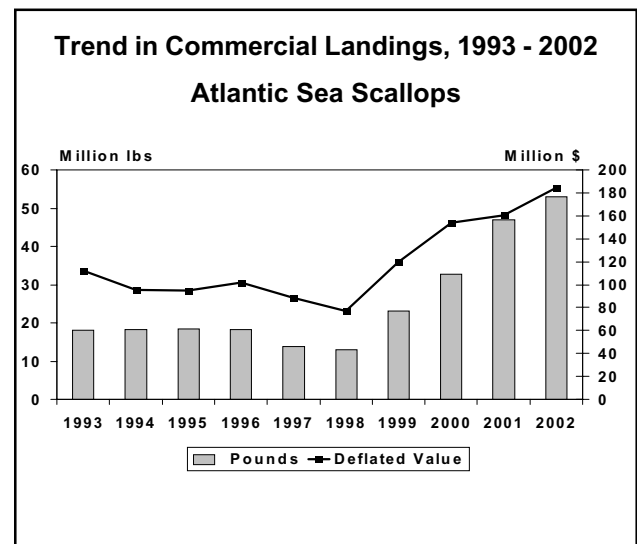
U.S. landings of bay and sea scallops totaled 53.1 million pounds of meats valued at \$203.8 million—an increase of 6.1 million pounds (13 percent) and \$28.4 million (16 percent) compared with 2001. The average exvessel price per pound of meats increased from \$3.74 in 2001 to \$3.84 in 2002.

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.

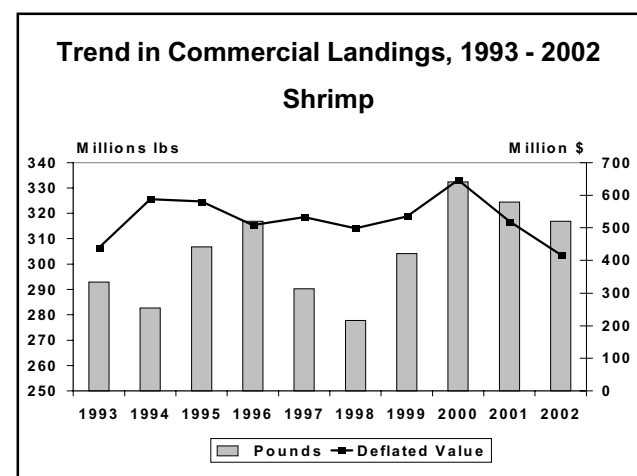
Sea scallop landings were 53.1 million pounds of meats valued at \$203.7 million—an increase of 6.1 million pounds (13 percent) and \$28.4 million (16 percent) compared with 2001. Massachusetts and Virginia were the leading states in landings of sea scallops with 25.3 and 16.2 million pounds of meats, 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 | |
| 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 |
| Mulletts | 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 |
| | Million pounds | | | Million dollars | |
| 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 | |
|-------------------------------|---------------------------|------------------|-----------------|------------------|---------------------------------|------------------|---------------------|------------------|
| | Thousand Pounds | Thousand Dollars | 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 |
| Mulletts | 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 | | |
| Fish - Continued | | | | | | |
| Sharks: | | | | | | |
| Dogfish | 1,499 | 648 | 2,362 | 1,265 | 3,861 | 1,913 |
| Other | 552 | 841 | 3,467 | 5,424 | 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 | 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 | 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 | 17,588 | 27,039 |
| Bigeye | 12 | 66 | 3,328 | 19,104 | 12,523 | 38,752 |
| Bluefin | 52 | 405 | 1,170 | 15,090 | 1,253 | 15,635 |
| Little tunny | 87 | 43 | 330 | 164 | 417 | 207 |
| Skipjack | 25 | 71 | 404 | 1,121 | 89,958 | 66,345 |
| Yellowfin | 79 | 404 | 3,273 | 18,330 | 32,831 | 52,193 |
| Unclassified | 3 | 16 | 60 | 195 | 64 | 216 |
| Total tuna | 538 | 1,425 | 18,801 | 69,019 | 154,635 | 200,387 |
| Whitefish, lake | 4,238 | 8,273 | - | - | 4,238 | 8,273 |
| Wolfish, 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 | 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 | 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.

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

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

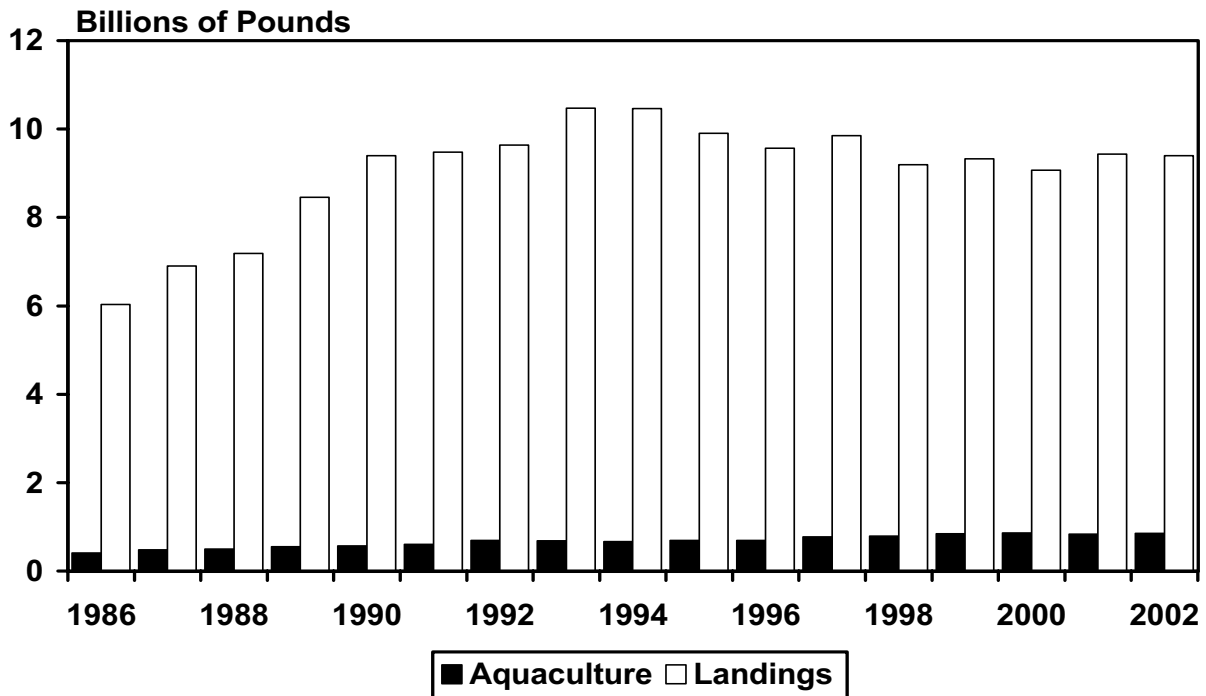
| Species | 1996 | | | 1997 | | |
|----------------------|------------------------|--------------------|-------------------------|------------------------|--------------------|-------------------------|
| | <u>Thousand pounds</u> | <u>Metric tons</u> | <u>Thousand dollars</u> | <u>Thousand pounds</u> | <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.

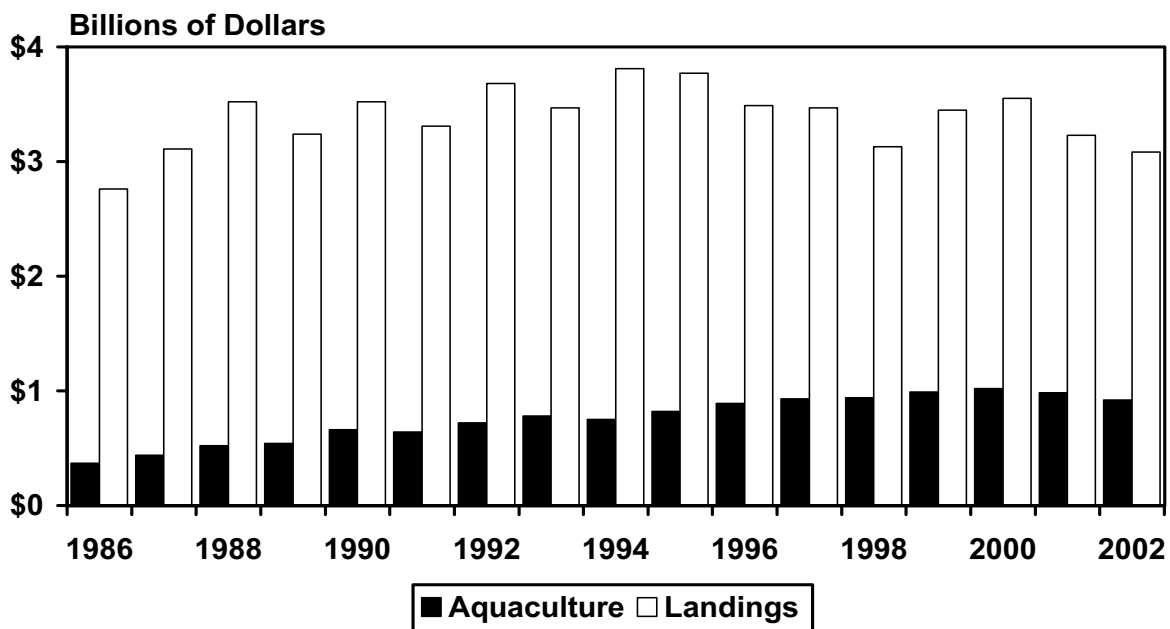
U.S. Commercial Landings

Volume of Domestic Commercial Landings and Aquaculture Production

Note: The 2002 aquaculture production is estimated



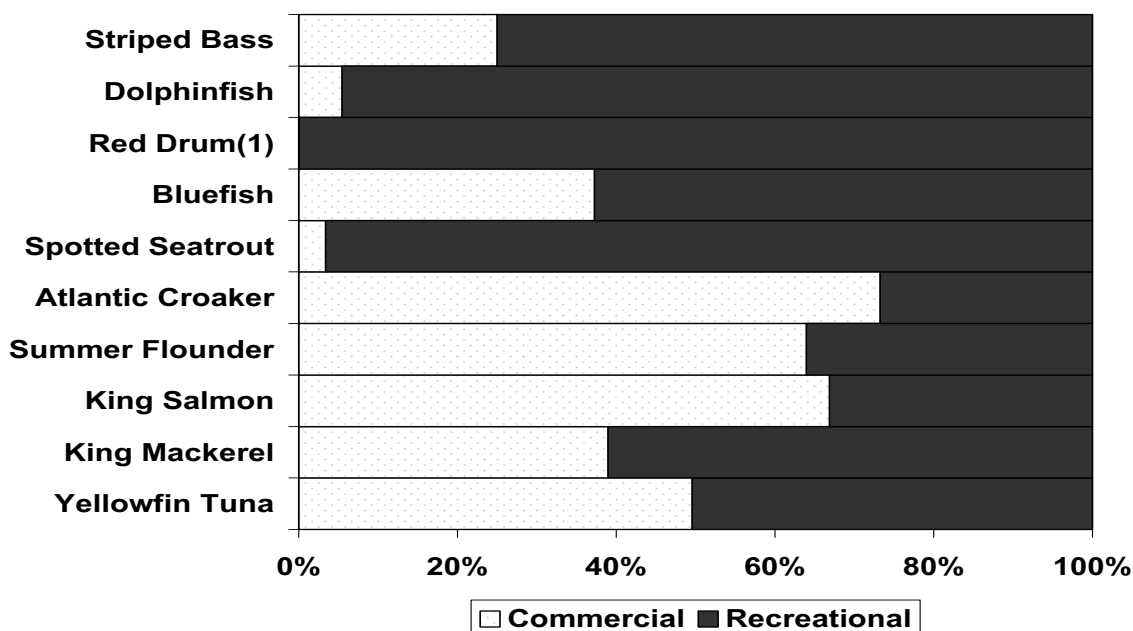
Value of Domestic Commercial Landings and Aquaculture Production



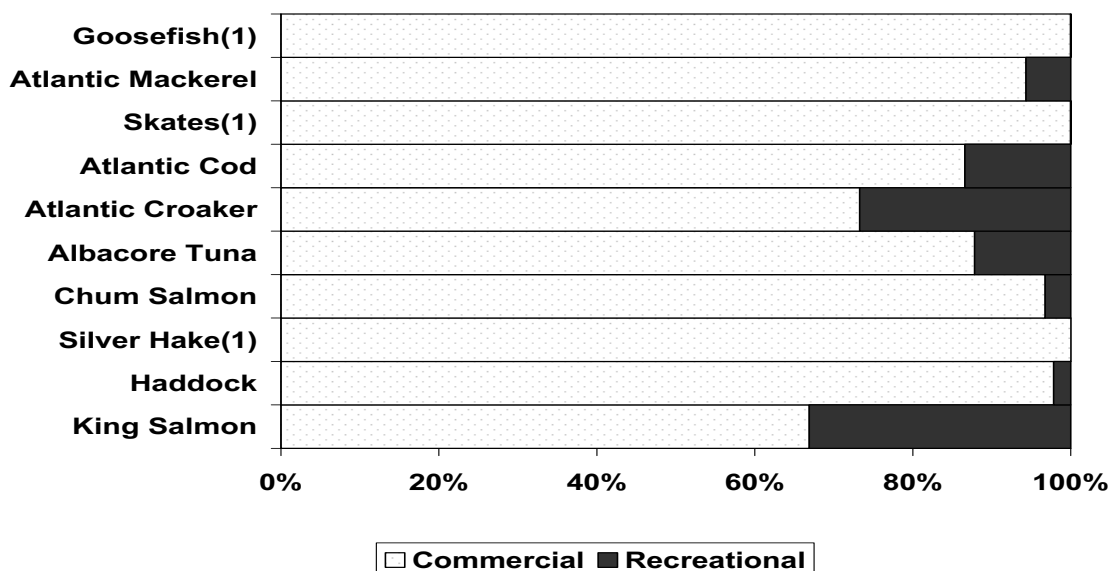
U.S. Commercial Landings

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.

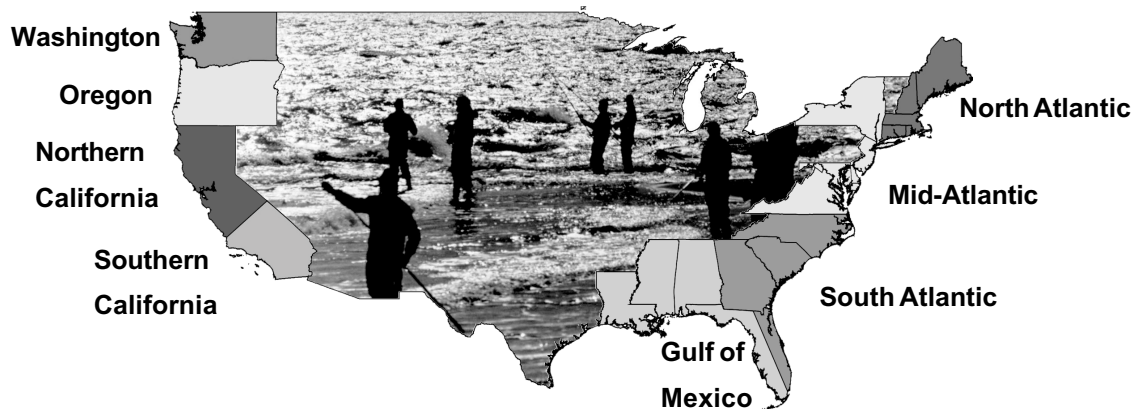
PUERTO RICO. In 2002, about 238,000 marine recreational participants took 1.3 million trips and caught a total of about 1.4 million fish. The most commonly caught non-bait species (in numbers of fish) were dolphin (98,000 fish), blue runner (30,000 fish), and lane snapper (29,000 fish). Estimated fishing 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 |
| Mullet** | 3,714 | 1,685 | 7,440 | 2,494 | 1,131 | 9,765 | 2,798 |
| Pacific Barracuda | 992 | 450 | 311 | 2,049 | 929 | 440 | 1,720 |
| 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 (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 | | | | | | 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) | | | | | | |
| 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) | | | | | | |
| 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 |
| Mullet** | 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 |
| Carp, 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 | | |
|--------------------|--------------------|----------------|---------------------|--------------------|----------------|---------------------|
| | Thousand pounds | Metric tons | Thousand dollars | Thousand pounds | Metric tons | Thousand dollars |
| 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 |
| Flournders | 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.

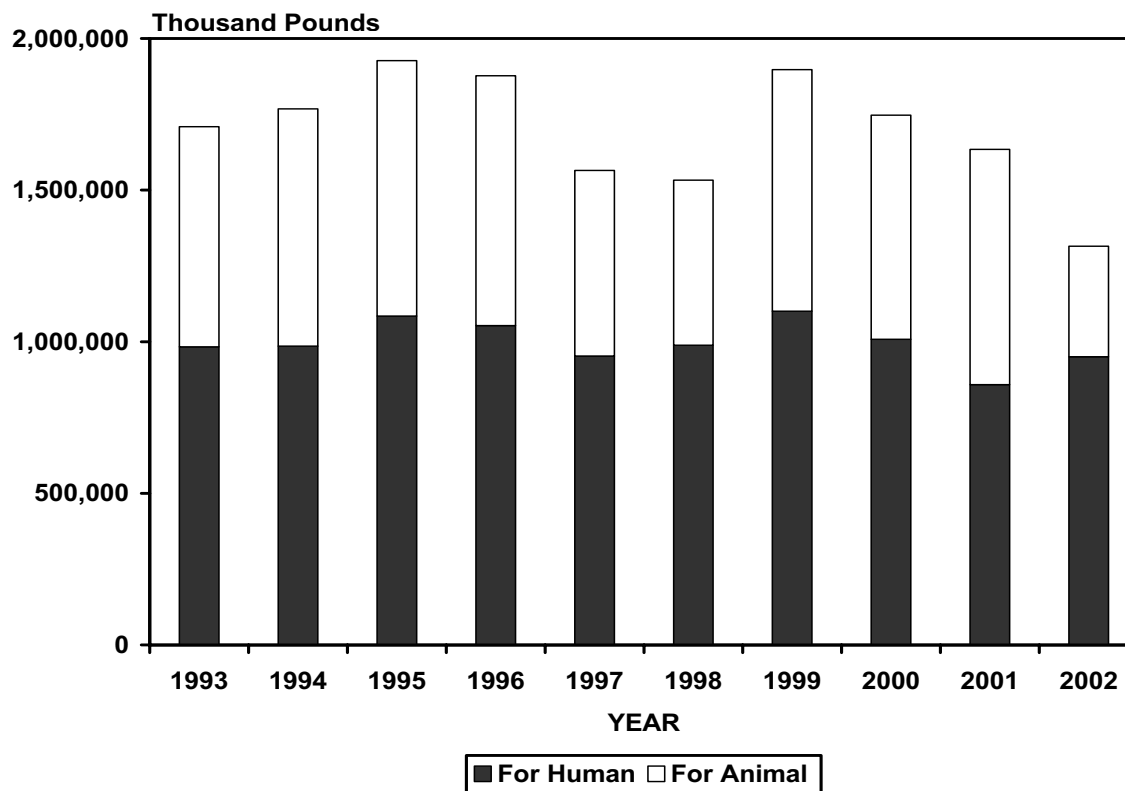
(5) Confidential included with 'Other.'

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.

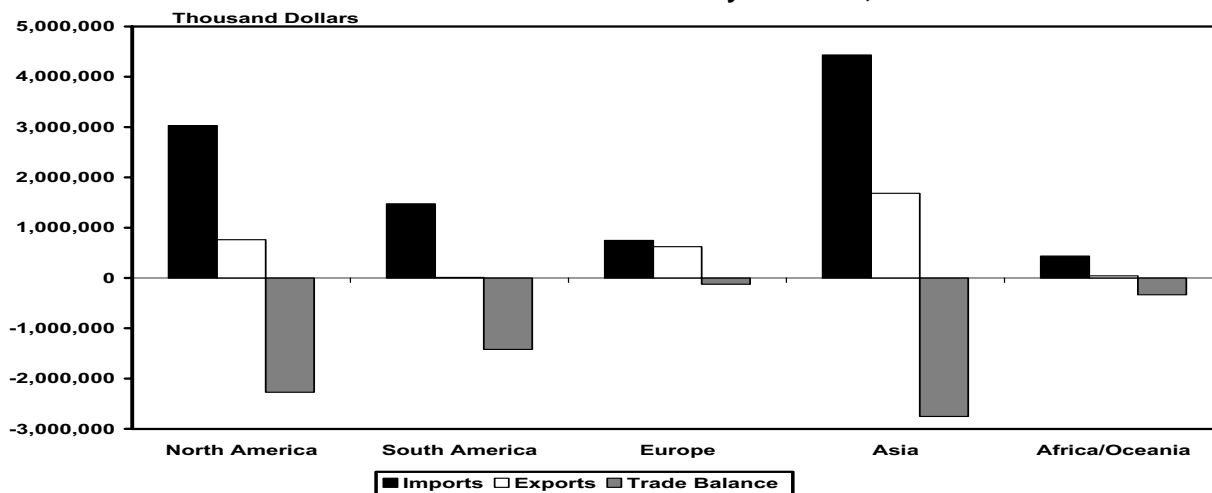
EXPORTS

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 |
| Filletts 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.

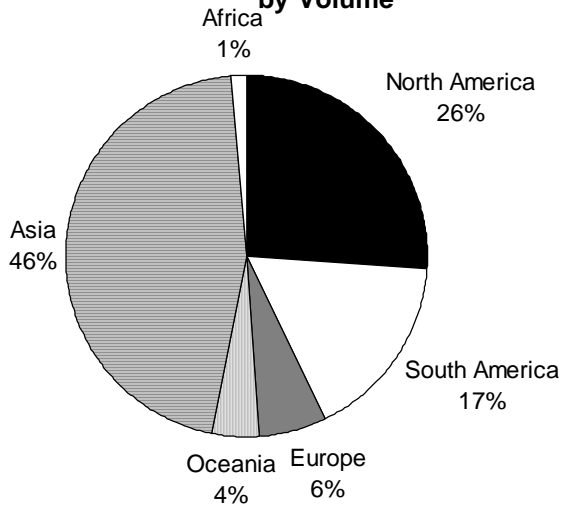
Source:—U.S. Department of Commerce, Bureau of the Census.

EDIBLE AND NONEDIBLE FISHERY PRODUCTS IMPORTS, 1993-2002

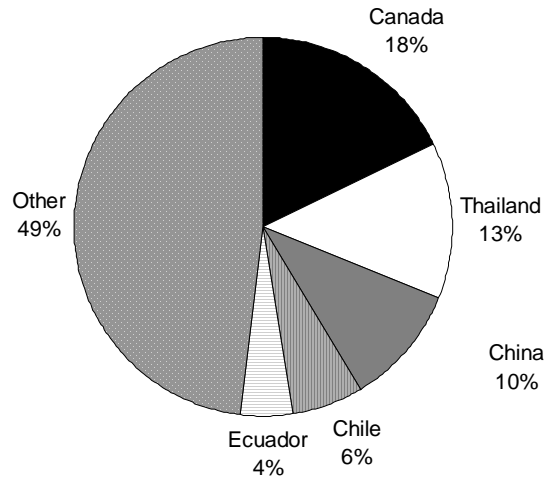
| Year | Edible | | Nonedible | | Total |
|------|-----------------|-------------|------------------|-----------|------------|
| | Thousand pounds | Metric tons | Thousand dollars | | |
| 1993 | 2,917,160 | 1,323,215 | 5,848,738 | 4,773,649 | 10,622,387 |
| 1994 | 3,034,841 | 1,376,595 | 6,645,132 | 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.

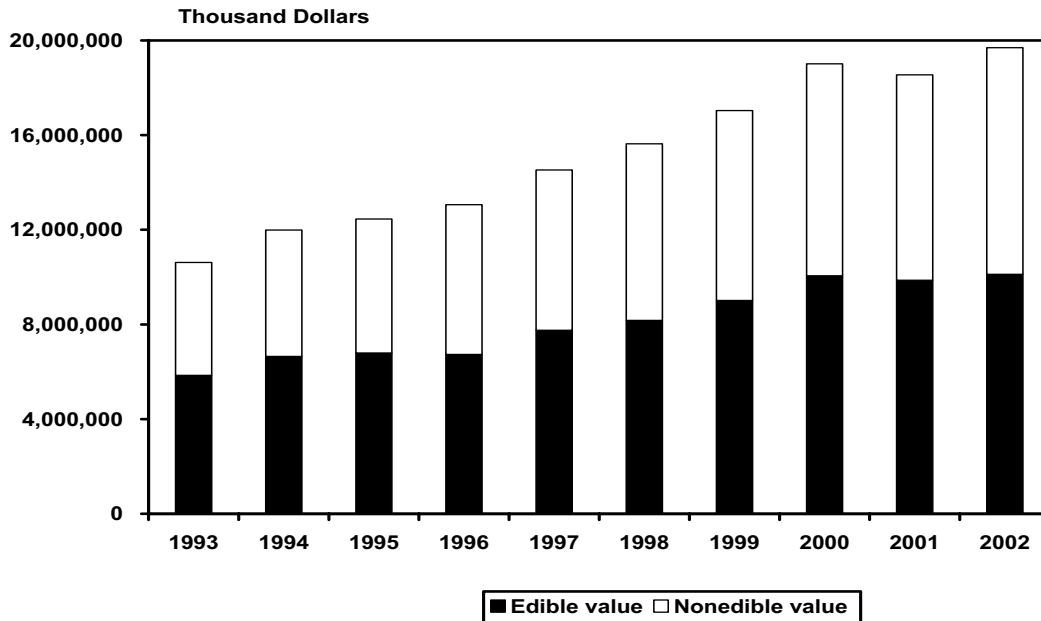
**U.S. Imports from Major Areas, 2002
by Volume**



**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 |

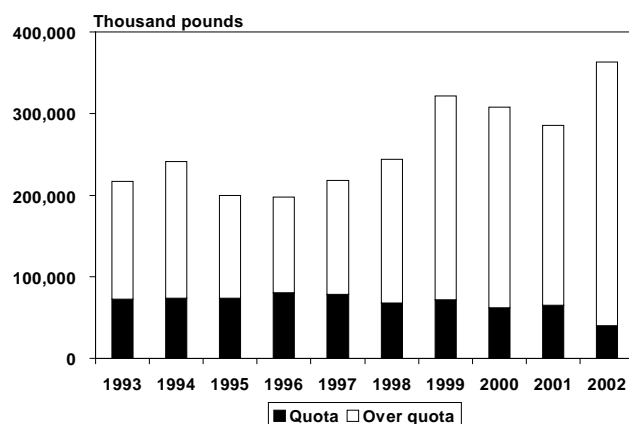
(1) Imports have been subject to tariff quotas since April 14, 1956, and are based on 20 percent of the previous year's domestic pack, excluding the pack in American Samoa. Dutiable in 1956 to 1967 at 12.5 percent ad valorem; 1968, 11 percent; 1969, 10 percent; 1970, 8.5 percent; 1971, 7 percent; and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

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

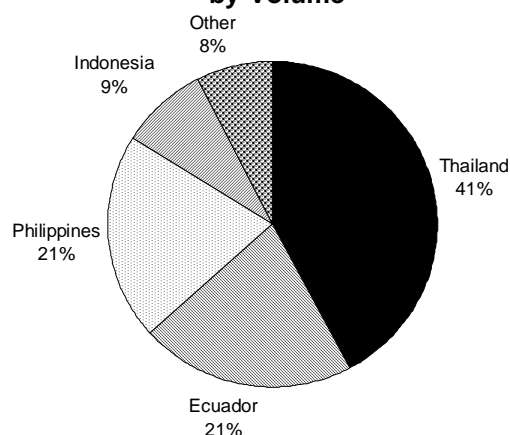
Note:—Data in this table will not agree with tuna import data released by the U.S. Department of Commerce, Bureau of the Census. Any tuna entered for consumption or withdrawn from a warehouse for consumption during the calendar year, except for receipts for possessions of the U.S., is subject to this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

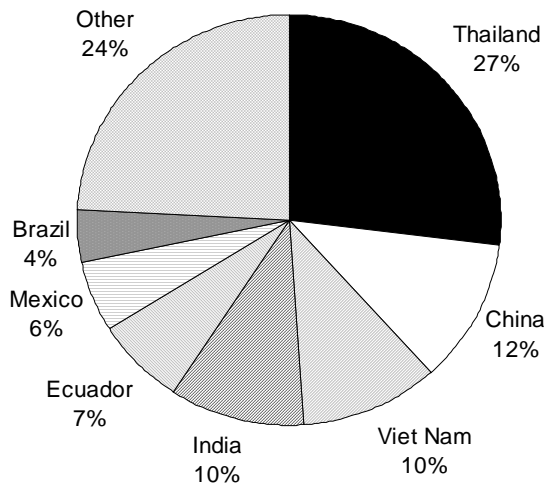
Source:--U.S. Department of Commerce, Bureau of the Census.

SHRIMP IMPORTS, BY TYPE OF PRODUCT, 2001 AND 2002

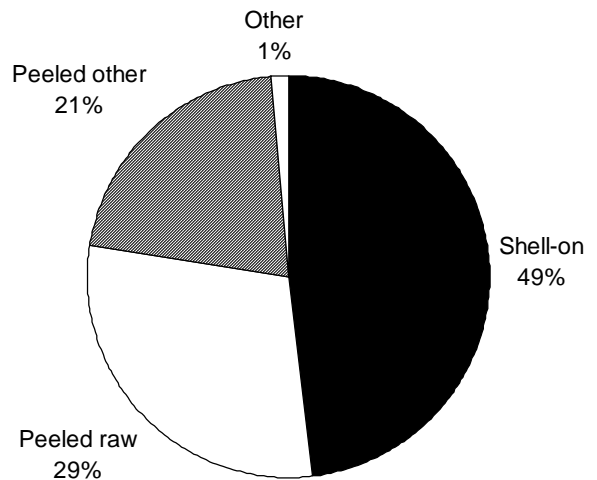
| Type of product | 2001 | | | 2002 | | |
|----------------------|-----------------|----------------|------------------|-----------------|----------------|------------------|
| | Thousand pounds | Metric tons | Thousand dollars | Thousand pounds | Metric tons | Thousand dollars |
| Shell-on (heads off) | 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 |

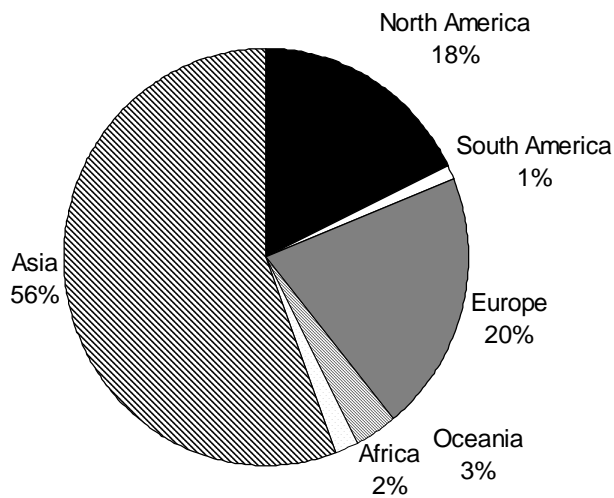
68 (1) Figures reflect both domestic and foreign (re-exports).
Source:--U.S. Department of Commerce, Bureau of the Census.

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

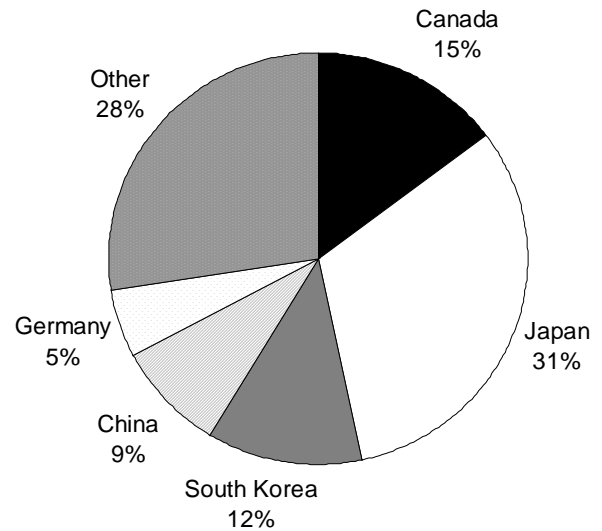
| Year | Edible | | Nonedible | Total |
|------|-----------------|-------------|----------------------------|------------|
| | Thousand pounds | Metric tons | | |
| | | | -----Thousand dollars----- | |
| 1993 | 1,986,027 | 900,856 | 3,076,813 | 6,924,724 |
| 1994 | 1,978,507 | 897,445 | 3,126,120 | 7,380,861 |
| 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.

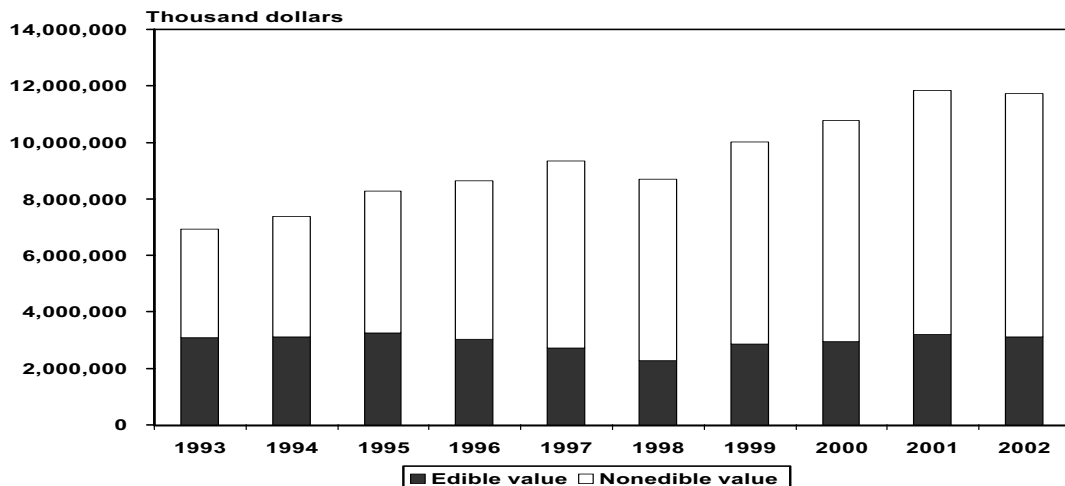
U.S. Exports to Major Areas, 2002 by Volume



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.

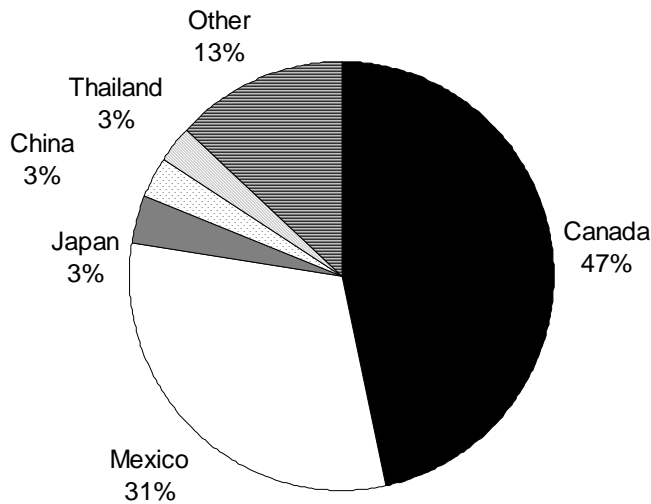
FRESH AND FROZEN SHRIMP EXPORTS, BY COUNTRY OF DESTINATION, 2001 AND 2002 (1)

| 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 |

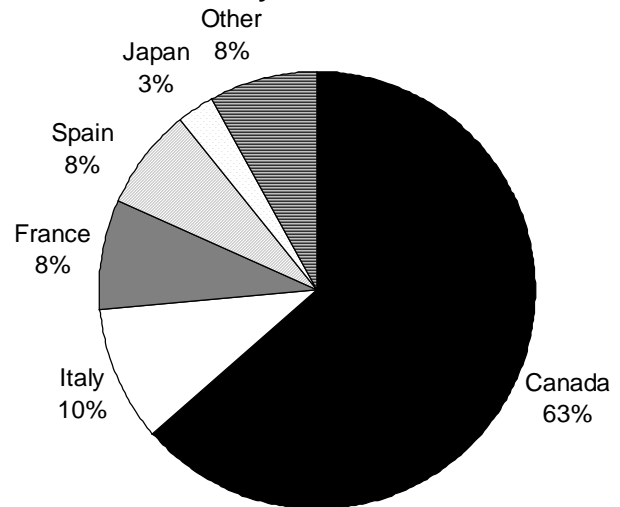
(1) Figures reflect both domestic and foreign (re-exports).

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).

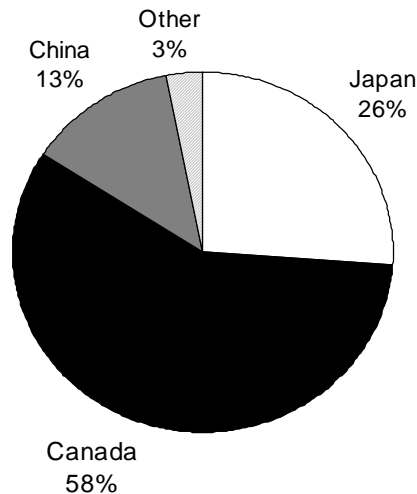
Source:--U.S. Department of Commerce, Bureau of the Census.

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

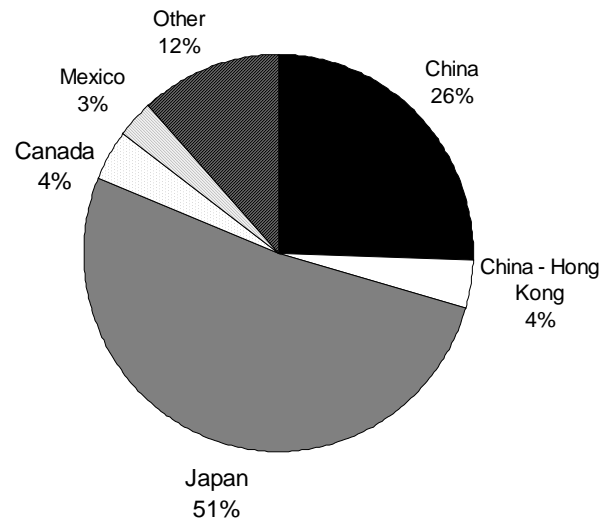
| Country | 2001 | | | 2002 | | |
|----------------|-----------------|---------------|------------------|-----------------|---------------|------------------|
| | Thousand pounds | Metric tons | Thousand dollars | Thousand pounds | Metric tons | Thousand dollars |
| Japan | 6,482 | 2,940 | 38,196 | 7,500 | 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.

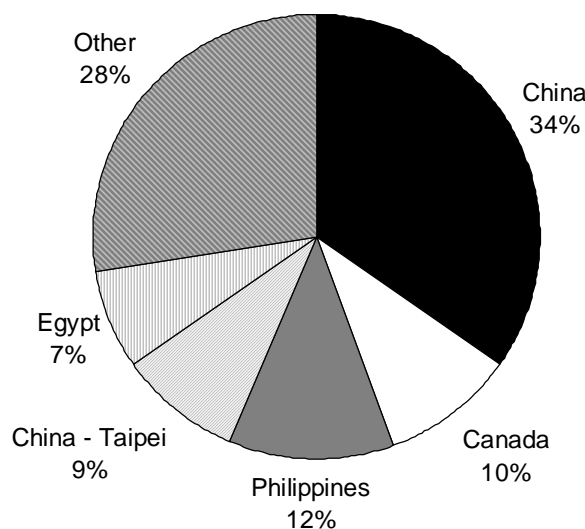
FISH MEAL EXPORTS, BY COUNTRY OF DESTINATION, 2001 AND 2002 (1)

| 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 |

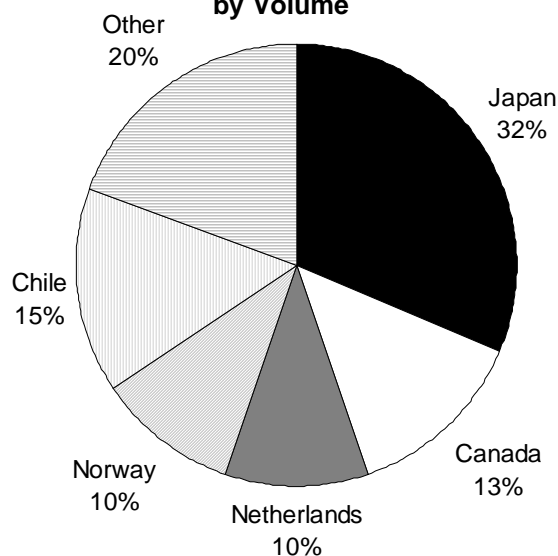
(1) Figures reflect both domestic and foreign (re-exports).

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.

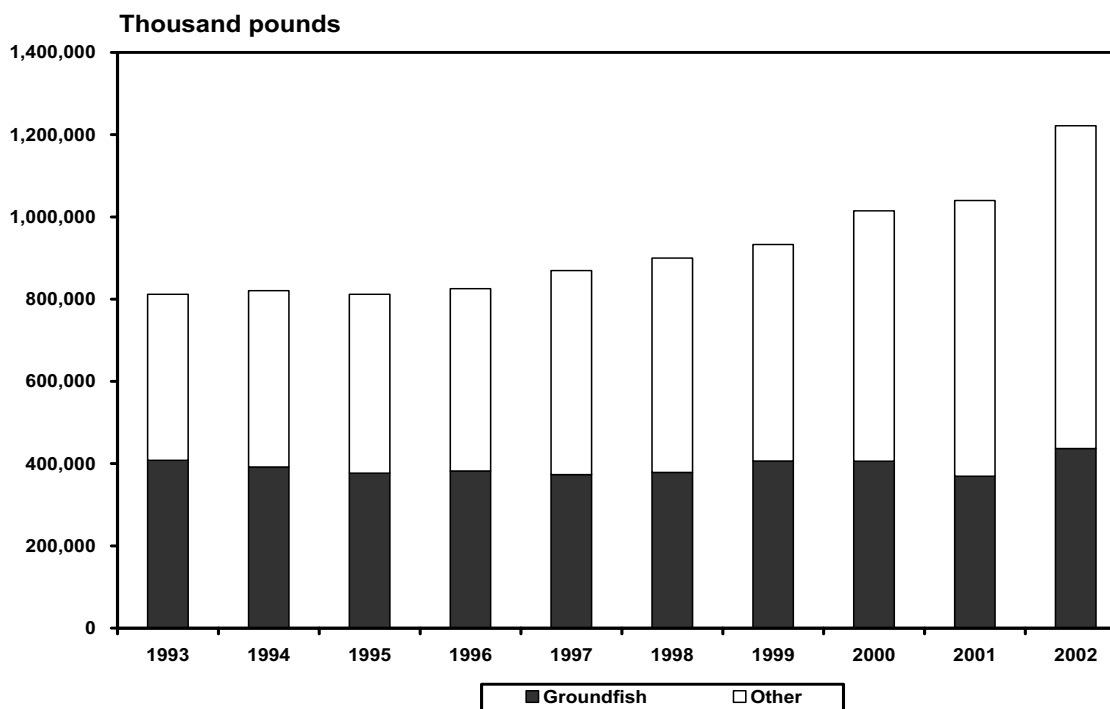
Supply of Fishery Products

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

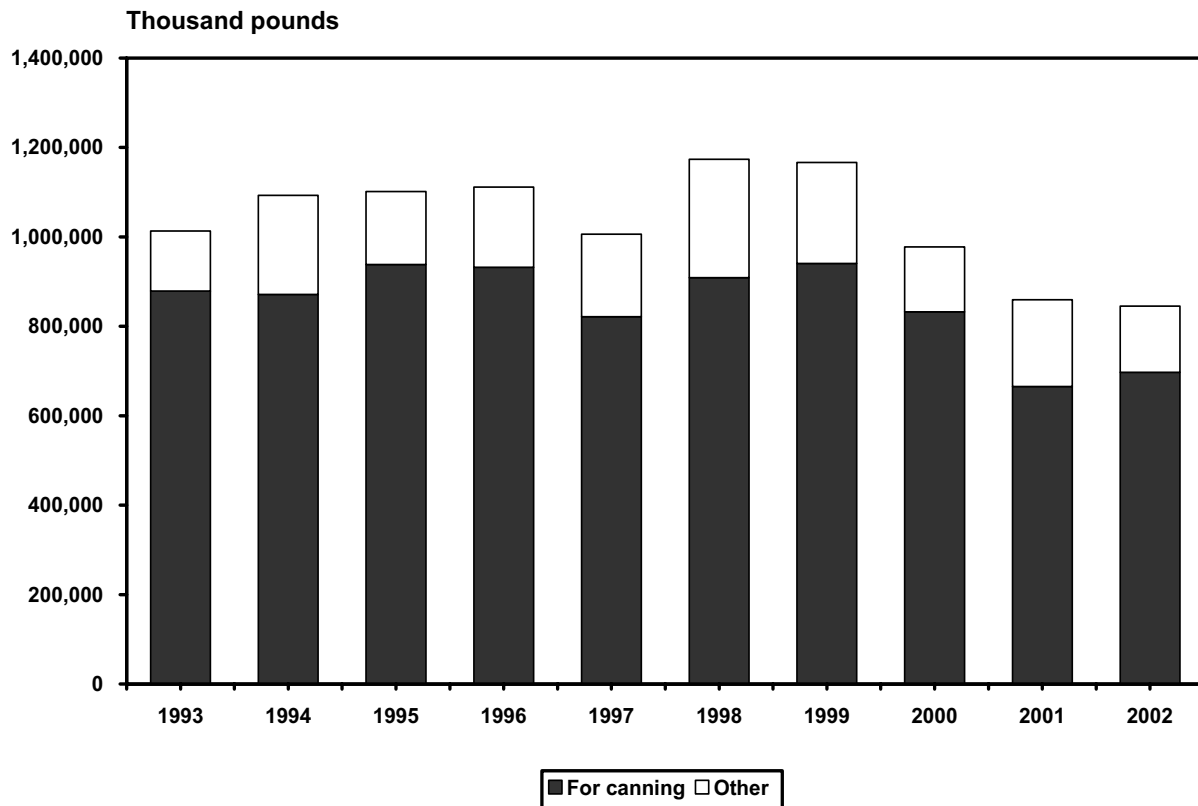
U.S. SUPPLY OF FRESH AND FROZEN TUNA, 1993-2002 (Round weight)

| 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

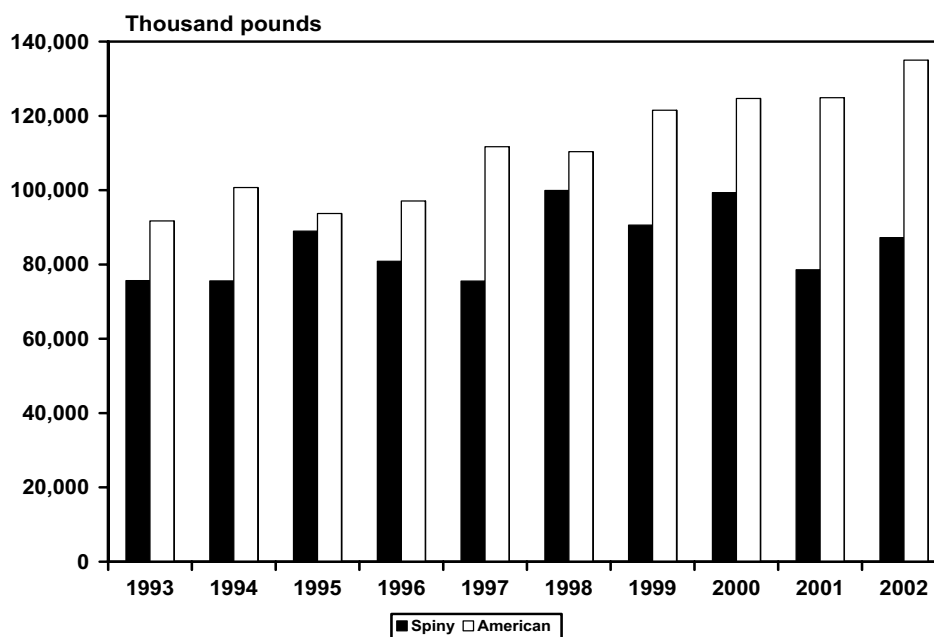
U.S. SUPPLY OF AMERICAN LOBSTERS, 1993-2002 (Round weight)

| 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)

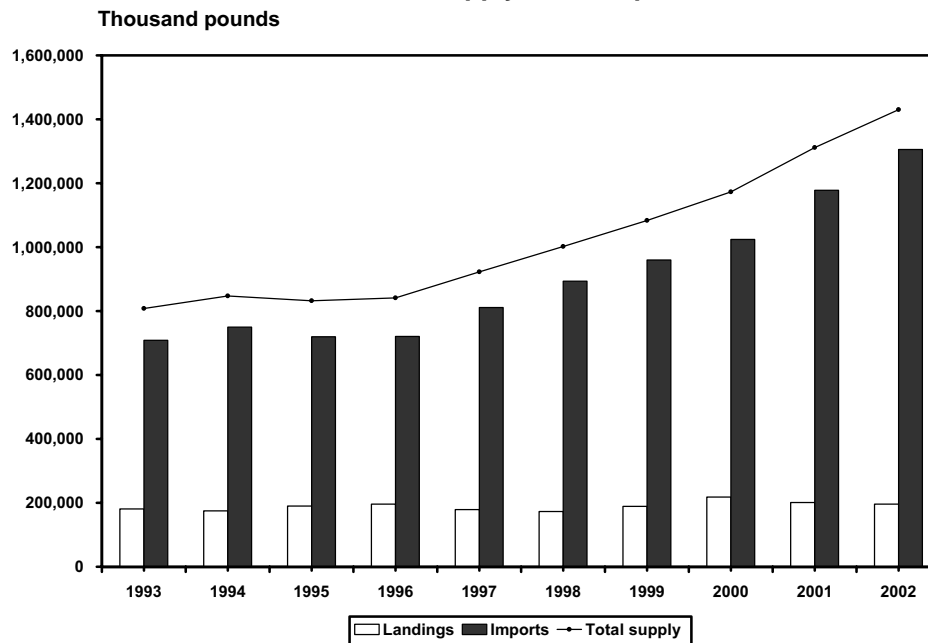
| Year | U.S. commercial landings (1) | Imports (2) | Total | Exports (3) | Total supply |
|-----------------------------|------------------------------|-------------|-----------|-------------|--------------|
| ----- Thousand pounds ----- | | | | | |
| 1993 | 180,687 | 708,683 | 889,370 | 81,447 | 807,923 |
| 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 |

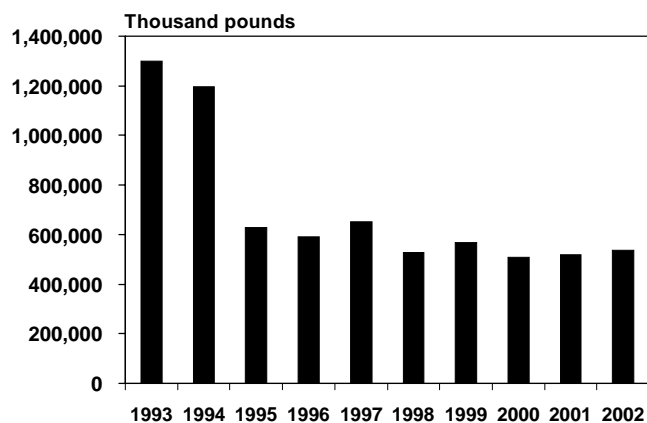
Supply of Fishery Products

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

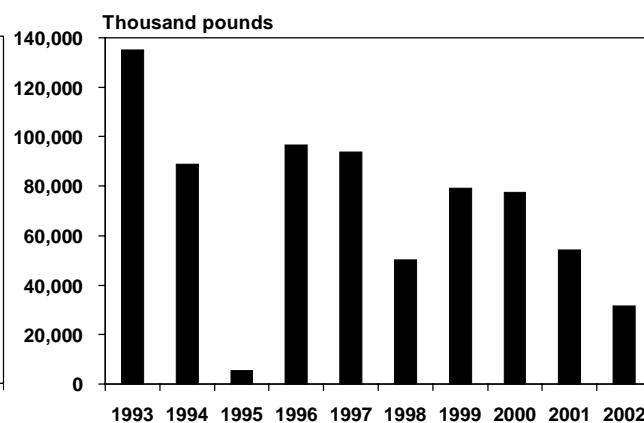
| Year | U.S. production (1) | Imports | Total | Exports | Total supply |
|-----------------------------|---------------------|---------|-----------|---------|--------------|
| ----- Thousand pounds ----- | | | | | |
| 1993 | 750,744 | 760,664 | 1,511,408 | 212,859 | 1,298,549 |
| 1994 | 807,833 | 548,288 | 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) Million persons | 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.

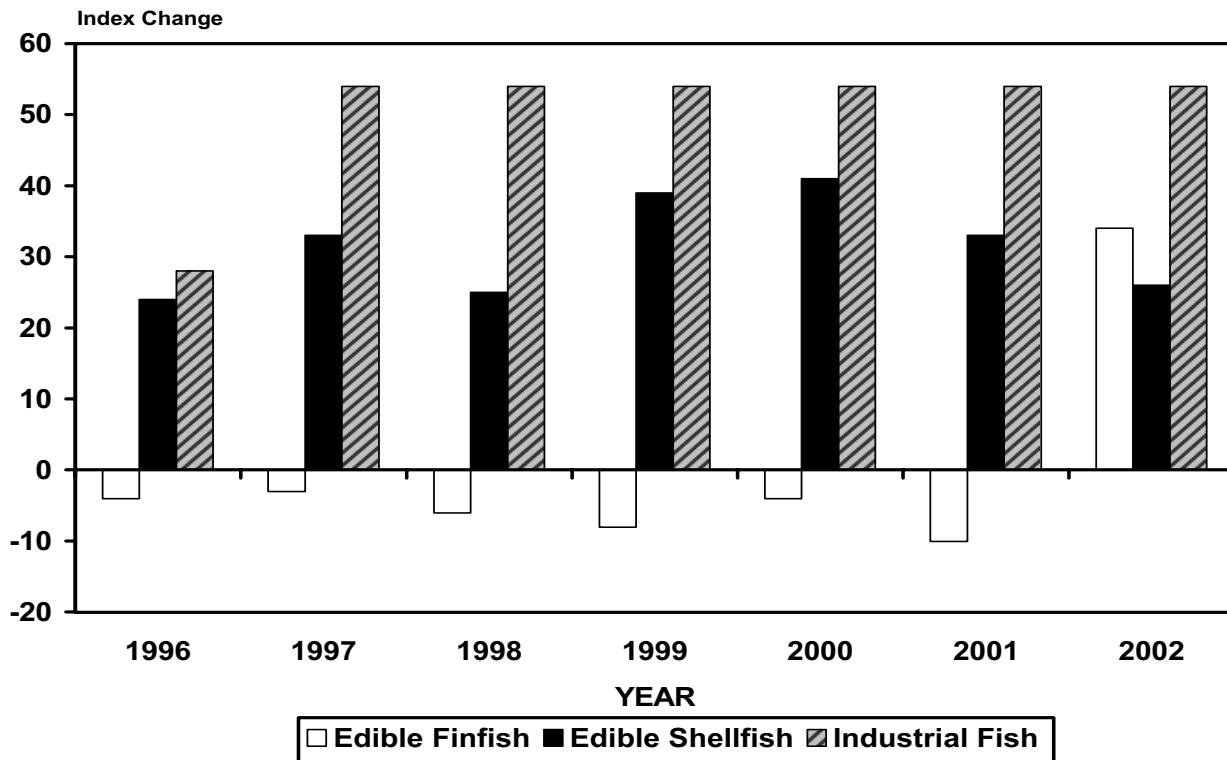
The exvessel price for each year was obtained by dividing total value for each species or group by its total quantity as reported in the U. S. commercial landings tables on pages 8 thru 13. The index for each species or group was obtained by multiplying the current annual price by the total quantity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

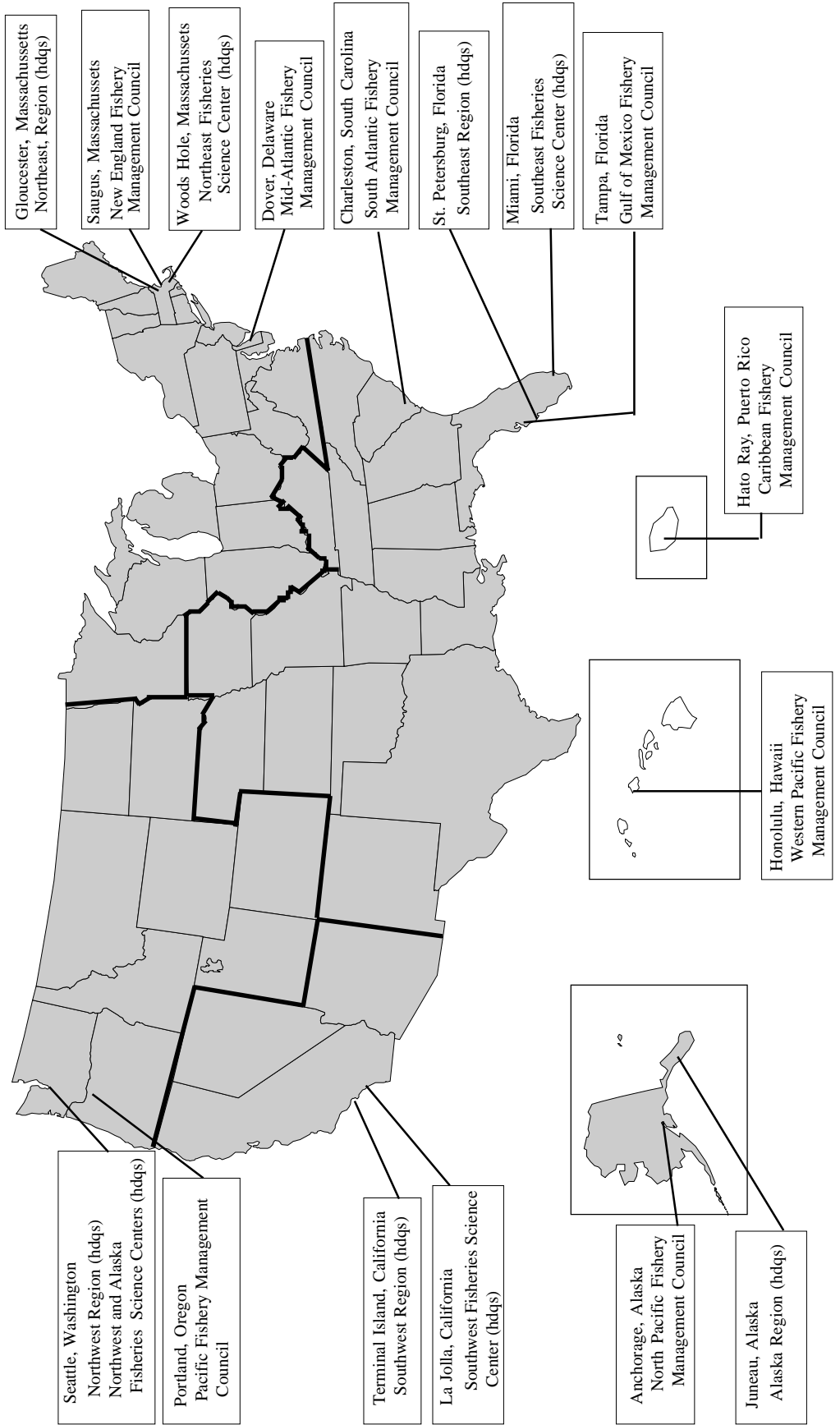
(8) JVP may be increased up to 30,000 metric tons at discretion of Regional Administrator.

(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 |

(CONTINUED)

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/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. Box 2025, 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> | | |
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() A Review of National and International Literature on the Effects of Fishing on Benthic Habitats. (F/HC)

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() 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)

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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. |
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| 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 |
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| 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 |
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| 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 |

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Fisheries Statistics of the United States *(continued)*

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| 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 |
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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).

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| 1982 | PB-92-218635 |
| 1983 | PB-92-218643 |
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| 1990 | PB-92-222256 |
| 1991 | PB-92-221803 |
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| 1993 | PB-95-219481 |
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Atlantic and Gulf Coasts:

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| 1979 (Revised)-1980 | PB-89-102552 |
| 1981-1982 | PB-89-102560 |
| 1983-1984 | PB-89-102628 |
| 1985 | PB-89-102669 |
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| 1987-1989 | PB-92-174820 |
| 1990-1991 | (F/ST1) |

Pacific Coast:

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|-----------|-----------------|
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| 1983-1984 | PB-89-102933/AS |
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| 1982 | PB-89-215289/AS |
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| 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)

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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.

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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.

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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).

Ten-Year Projections of Landings, Spawning Stock Biomass, and Recruitment for Five New England Groundfish Stocks. Overholtz, W.J., S.A. Murawski, P.J. Rago, W.L. Gabriel, M. Terceiro, and J.K.T. Brodziak. 1999. (NEFSC-CRD-99-05). 74 p. (F/NEC).

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).

Contaminant Levels in Muscle of Four Species of Recreational Fish from the New York Bight Apex. Deshpande, A.D., A.F.J. Draxler, V.S. Zdanowicz, M.E. Schrock, A.J. Paulson, T.W. Finneran, B.L. Sharack, K. Corbo, L. Arlen, E.A. Leimburg, B.W. Dockum, R.A. Pikanowski, B. May, and L.B. Rosman. 2000. (NOAA-TM-NMFS-NE-157). 99 p. (F/NEC).

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<http://caldera.sero.nmfs.gov/>

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Fisheries Statistics - <http://www.st.nmfs.gov/st1/> — Descriptions of commercial and recreational fisheries statistics data collection and economic programs. Access to commercial monthly landings data bases, Marine Recreational Fisheries Statistics Survey (MRFSS) data, cold storage, Market News Reports, processed products data, trade data base, vessel documentation data, and electronic copies of “Fisheries of the United States.”

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.

NATIONAL MARINE FISHERIES SERVICE HOME PAGES

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.

Northwest Fisheries Science Center - <http://nwfsc.nmfs.noaa.gov> — Describes Center research, including status and recovery of endangered salmon and new hatchery-rearing techniques; rapid-response analyzes of chemical pollution and harmful algae blooms in fishery grounds nationwide; assessing the west coast groundfish fishery; and developing new bycatch utilization technologies. News topics, current publications, library resources, and the Center's state-of-the-art water-recycling fish culture facility are also featured.

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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James D. Murray
National Sea Grant Extension Leader
National Sea Grant Office/NOAA
1315 East-West Highway, Room 11752
Silver Spring, MD 20910
(301) 713-2431 x152 FAX: 713-0799
jim.d.murray@noaa.gov

Rick Wallace, Extension Leader
Alabama Sea Grant - Auburn Univ.
Mississippi-Alabama Sea Grant
4170 Commander's Drive
Mobile, AL 36615
(334) 438-5690 FAX: 438-5670
rwallace@acesag.auburn.edu

Paula Cullenberg, MAP Leader
Alaska Sea Grant - Univ. of AK
2221 E. Northern Lights., #110
Anchorage, AK 99508-4140
(907) 274-9691 x112 FAX: 277-5242
anpjc@uaa.alaska.edu

Paul Olin, Interim Extension Leader
California Sea Grant College Program
University of California
2604 Ventura Avenue, Room 100
Santa Rosa, CA 95403
(707) 565-2621 FAX: 565-2623
pgolin@ucdavis.edu

Nancy C. Balcom, Extension Leader
Connecticut Sea Grant - Univ. of CN
1084 Shennecossett Road
Groton, CT 06340-6097
(860) 405-9107 FAX: 405-9109
balcom@uconnvm.uconn.edu

James M. Falk, Extension Leader
Delaware Sea Grant - Univ. of DE
700 Pilotown Road
Lewes, DE 19958-1298
(302) 645-4235 FAX: 645-4007
jfalk@udel.edu

Michael Spranger, Extension Leader
Florida Sea Grant - Univ. of FL
PO Box 110405
Gainesville, FL 32611-0405
(352) 392-1837 x226 FAX: 392-5113
msspranger@mail.ifas.ufl.edu

Keith W. Gates, Extension Leader
Georgia Sea Grant - Univ. of GA
715 Bay Street
Brunswick, GA 31520-4601
(912) 264-7268 FAX: 264-7312
kgates@arches.uga.edu

Richard Brock
Hawaii Sea Grant - Univ. of HI
2525 Correa Road, HIG 232
Honolulu, HI 96822
(808) 956-8191 FAX: 956-2858
Brockr@Hawaii.edu

Brian Miller, Extension Leader
Illinois-Indiana Sea Grant-Purdue Univ.
1200 Forest Products Building
West Lafayette, IN 47907
(765) 494-3573 FAX: 496-6026
bmiller@fnr.purdue.edu

Michael M. Liffman, Extension Leader
Louisiana Sea Grant - LA State Univ.
234 Sea Grant Building
Baton Rouge, LA 70803-7507
(225) 578-6290 FAX: 578-6331
mikelif@lsu.edu

Paul Anderson, Extension Leader
Maine Sea Grant - Univ. of ME
5715 Coburn Hall
Orono, ME 04469-5715
(207) 581-1422 FAX: 581-1426
panderson@maine.edu

Douglas Lipton, Extension Leader
Maryland Sea Grant - Univ. of MD
2200 Symons Hall

College Park, MD 20742
(301) 405-1280 FAX: 314-9091
dlipton@arec.umd.edu

Clifford Goudey, Extension Leader
**MIT Sea Grant - MASSACHUSETTS
Institute of Technology**
Building E38-300/Kendall Square
292 Main Street
Cambridge, MA 02139
(617) 253-7079 FAX: 252-1615
cgoudey@mit.edu

John D. Schwartz, Extension Leader
Michigan Sea Grant - MI State Univ.
334 Natural Resources Building
East Lansing, MI 48824-1222
(517) 355-9637 FAX: 353-6496
schwartzj@msue.msu.edu

Jeffrey L. Gunderson, Extension Leader
Minnesota Sea Grant - Univ. of MN.
2305 E. 5th Street
Duluth, MN 55812
(218) 726-8715 FAX: 726-6556
jgunder1@d.umn.edu

David C. Veal, Extension Leader
Mississippi Sea Grant Extension
Mississippi-Alabama Sea Grant
Mississippi State University
2710 Beach Blvd., Suite 1-E
Biloxi, MS 39531
(228) 388-4710 FAX: 388-1375
cdv@ra.msstate.edu

VACANT
New Jersey Sea Grant
New Jersey Marine Science Consortium
Building No. 22
Fort Hancock, NJ 07732
(732) 872-1300 x32 FAX: 291-4483

SEA GRANT EXTENSION SERVICE

Dale R. Baker, Extension Leader
New York Sea Grant - Cornell Univ.
340 Roberts Hall
Ithaca, NY 14853-5905
(607) 255-2832 FAX: 255-2812
drb17@cornell.edu

Jack Thigpen, Extension Leader
North Carolina Sea Grant-NC State Univ.
P.O. Box 699
Manteo, NC 27954
(252) 441-3663 FAX: 441-7403
jthigpen@pinn.net

Frank R. Lichtkoppler
Co-Leader Extension
Ohio Sea Grant - OH State Univ.
99 East Erie Street
Painesville, OH 44077
(440) 350-2582 FAX: 350-5928
lichtkoppler.1@osu.edu

Fred L. Snyder, Co-Leader Extension
Ohio Sea Grant - OH State Univ.
Camp Perry - Building 3, Room 12
Port Clinton, OH 43452
(419) 635-1022 FAX: 635-1022
snyder.8@osu.edu

Jay Rasmussen, Extension Leader
Oregon Sea Grant - OR State Univ.
2030 South Marine Science Drive
Newport, OR 97365-5296
(541) 867-0368 FAX: 867-0369
Jay.Rasmussen@hmsc.orst.edu

Eric C. Obert, Extension Leader
Pennsylvania Sea Grant-PA State Univ.
Station Road

Erie, PA 16563
(814) 898-6420 FAX: 898-6462
ecol@psu.edu

Ruperto Chaparro, Extension Leader
Puerto Rico Sea Grant - Univ. of P.R.
PO Box 9011
Mayaguez, PR 00681-9011
(787) 832-8045 FAX: 265-2880
r_chaparro@rumac.uprm.edu

Ames B. Colt, Extension Leader
Rhode Island Sea Grant - Univ. of RI
Narragansett Bay Campus
Coastal Institute Building
Narragansett, RI 02882
(401) 874-6800 FAX: 789-8340
acoltt@gso.uri.edu

Robert H. Bacon, Extension Leader
South Carolina Sea Grant
287 Meeting Street
Charleston, SC 29401
(843) 727-2075 FAX: 727-2080
Robert.Bacon@scseagrant.org

Judith D. Lemus, Extension Leader
Southern California Sea Grant
Univ. of Southern CA - Univ. Park
Los Angeles, CA 90089-0373
(213) 740-1965 FAX: 740-5936
jldemus@usc.edu

Ralph Rayburn, Extension Leader
Texas Sea Grant - TX A&M Univ.
2700 Earl Rudder Fwy South, Suite 1800
College Station, TX 77845
(979) 845-7524 FAX: 845-7525
ralphr@unix.tamu.edu

Jurij Homziak, Extension Asst. Prof.
Vermont Sea Grant - Univ. of VT
317 Aiken Center
Burlington, VT 05405
(802) 656-0682 FAX: 656-0683
jurij.homziak@uvm.edu

William D. DuPaul, Extension Leader
**Virginia Sea Grant - VA. Institute
of Marine Science**
Gloucester Pt., VA 23062
(804) 684-7163 FAX: 684-7161
dupaul@vims.edu

Pete Granger
Washington Sea Grant - Univ. of WA
Marine Advisory Services
3716 Brooklyn Avenue, NE
Seattle, Washington 98105
(206) 685-9261 FAX: 685-0380
pgranger@u.washington.edu

Jim Hurley, Assistant Director for
Research and Outreach
Wisconsin Sea Grant - Univ. of WI
Goodnight Hall, Floor 2
1975 Willow Drive
Madison, WI 53706-1103
(608) 262-0645 FAX: 262-0591
hurley@aqu.wisc.edu

Dale F. Leavitt, Extension Leader
Woods Hole Sea Grant Program
Woods Hole Oceanographic Institution
193 Oyster Pond Road, MS #2
Woods Hole, MA 02543-1525
(508) 289-2997 FAX: 457-2172
dleavitt@whoi.edu

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Glossary

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:

U.S. Department of Commerce, NOAA/NMFS
Seafood Inspection Division - F/SF6

1315 East-West Highway
Silver Spring, MD 20910
(301) 713-2355 (FAX: 713-1081)
Toll Free: 1-800-422-2750

Internet: <http://seafood.ssp.nmfs.gov/iss/issue.html>