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Fishery Statistics of the United States 1977

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PREFACE

This report contains a review of U.S. commercial fishery statistics for the calendar year 1977. These statistics include data on the volume and value of landed catches, employment, quantity of gear operated, and number of fishing craft. Also included are data on the volume and value of production of processed fishery products, freezings and cold storage holdings, and foreign trade in fishery commodities.

Landings data do not include production of artificially cultivated fish or shellfish, except oysters and clams. Landings data include neither the marine or freshwater catches made for sport or personal use including those by Aleuts, Eskimos, and Indians, nor landings by foreign fishing vessels in U.S. ports, nor imports. They include landings made by U.S. fishing vessels at foreign ports for transshipment to the United States under bond or as "Products of American Fisheries."

Unless otherwise noted, landings data are only for the 50 States. Landings in Puerto Rico are shown separately in Section 11. Data on production of processed products are for the 50 States, Puerto Rico, and American Samoa.

Weights in all of the U.S. landings tables in this report, except the one entitled, "U.S. Landings, 1977—Live Weight Basis," are in round (live) weight, excluding weight of shells. Weights shown for univalve and bivalve mollusks (conchs, clams, oysters, scallops, et al.) represent the weights of meats. The weight of shells omitted from the catch in 1977 was about 1.2 billion pounds. It should be noted, however, that the data in the table "World Landings of Fish, Crustaceans, Mollusks, et al., by Countries" are shown on a live weight basis with shell weights included.

Values of the landings are gross dollar returns to the fishermen, and are known as "exvessel prices." The values shown for the processed fishery products are the gross amounts received by the producer at the production point; no deductions are made for commission or expenses.

All appropriate records collected by the various State fishery agencies were used in assembling data on the fisheries. In certain areas, information complete enough to be used by the statistical agents was available from State agencies, and in these States, only partial surveys were made. Information on the means of collecting the data and an explanation of terms used may be found in Section 13 of this publication.

Complete statistical surveys covering the fisheries of the United States were made by the National Marine Fisheries Service in all areas for 1970-77. The first complete survey of the fisheries of the United States was made by the Bureau of Census for 1908. Others were made by the Bureau of Fisheries and the Fish and Wildlife Service for the years 1931, 1950, 1954-60, and 1962-69.

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SECTION 1 GENERAL REVIEW

In 1977, commercial fishery landings at ports in the United States were 5.3 billion pounds (round weight) valued at \$1.6 billion to the fishermen—a decrease of 117.2 million pounds (2 percent) in volume, but an increase of \$204.2 million (15 percent) in value compared with 1976. There were record landings of several major species such as grayfish sharks, sea urchins, crabs, and shrimp. Landings of alewives, cod, flounders, salmon, sea herring, and clams also showed a slight increase over 1976. However, landings of anchovies, tuna, and oysters declined.

U.S. flag vessels also landed tuna and shrimp at ports outside the United States. These landings, principally at Puerto Rico, consisted of 123.7 million pounds of tuna valued at \$45.9 million. Shrimp with a catch of 15.5 million pounds valued at \$26.9 million were landed at foreign ports during 1977.

Fishermen took 1.2 billion pounds of shellfish worth \$827.4 million—an increase of 15 percent in volume and 19 percent in value compared with 1976. Shellfish accounted for 53 percent of the value, but only 22 percent of the volume of landings in the United States. The value of shellfish landings exceeded the value of finfish landings in all major regions except the Pacific (including Hawaii), Great Lakes, and the Mississippi River areas. Data on shellfish landings do not include the weight of the shells of clams, oysters, and other mollusks. (Section I.— General Review, “U.S. Landings, Live Weight Basis.”)

Disposition of landings. In 1977, over half of the total landed (3.0 billion pounds) was used for human food. Landings showed 2 percent decrease compared with 1976, but were 6 percent above the average for the previous 5 years. Landings at U.S. ports of species used for reduction to meal and for other industrial purposes were 2.3 billion pounds. This quantity was 11 percent lower than in 1976 and 6 percent below the average for the previous 5 years. In 1977, 2,046 million pounds (88 percent) of the fish for industrial purposes were converted to meal, oil, and solubles; 123 million pounds (6 percent), canned for animal food; 101 million pounds (4 percent), used for bait; and most of the small remainder used for fresh or frozen animal food or processed into such items as shell buttons and other novelties.

Per capita consumption. U.S. per capita consumption of commercially caught fish and shellfish was 12.7 pounds (edible meat) in 1977, down 1.6 percent from the 12.9 pounds in 1976.

U.S. PER CAPITA CONSUMPTION OF COMMERCIAL FISH AND SHELLFISH

Year	Civilian resident population July 1 Million persons	Per capita consumption			Total
		Fresh and frozen (1)	Canned (2)	Cured	
		----Pounds, edible meat----			
1970	201.9	6.9	4.5	0.4	11.8
1971	204.9	6.7	4.3	.5	11.5
1972	207.5	7.1	4.9	.5	12.5
1973	209.6	7.4	5.0	.4	12.8
1974	211.6	6.9	4.7	.5	12.1
1975	213.8	7.5	4.3	.4	12.2
1976	215.9	8.2	4.2	.5	12.9
1977	218.1	7.7	4.6	.4	12.7

¹Beginning in 1973, data included consumption of artificially cultivated catfish.

²Canned fish consumption is based on production reports, packer stocks, and foreign trade statistics for individual years.

Note:—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. These consumption figures refer only to consumption of fish and shellfish entering commercial channels, and do not include data on consumption of recreationally caught fish and shellfish which since 1970 is estimated to be between 3 to 4 pounds (edible meat) per person annually. From 1970 through 1977, data were revised to reflect the results of the 1980 census.

GENERAL REVIEW

Principal States. Louisiana led all States in volume of landings with 910.0 million pounds—17 percent of all U.S. landings. California was second with 855.7 million pounds (16 percent); followed by Alaska, 674.9 million pounds (13 percent); Virginia, 609.1 million pounds (12 percent); and Massachusetts, 321.2 million pounds (6 percent). Alaska led all States in value with landings worth \$349.2 million—22 percent of the U.S. total. California was next with \$188.9 million; followed by Louisiana, \$136.2 million; Texas, \$134.2 million; and Massachusetts with \$115.9 million. Of this, San Pedro, California led all ports in volume of landings with 490.2 million pounds or 9 percent of the national total.

Fishermen and vessels. In the United States, 182,068 fishermen operated 17,545 vessels (5 net tons or more) and 89,220 boats in 1977. This was an increase of 8,458 fishermen, 670 vessels, and 3,274 boats compared with 1976.

Processed products. (See "Processed fishery products" in this section.)

Alewives. Landings were 62.6 million pounds valued at \$1.4 million—an increase of 8.9 million pounds (16 percent) in volume and \$296,000 (27 percent) in value compared with 1976. Production in Lake Michigan of 48.4 million pounds (77 percent of the U.S. production) increased 23 percent. Landings in South Atlantic were 8.8 million pounds (up 37 percent); New England, 3.8 million pounds (up 8 percent); and the Middle Atlantic with 17,000 pounds (up 42 percent) over 1976. Only the Chesapeake States (1.5 million pounds) and Gulf States (1,000 pounds) showed decreases of 66 percent and 99 percent respectively.

Anchovies. (See Section 7.—Pacific Coast Fisheries.)

Clams. Landings of all species yielded 97.3 million pounds of meats at \$74.4 million—an increase of 14.8 million pounds (18 percent) in volume and \$10.1 million (16 percent) in value compared with 1976. Landings increased in all species except hard clams (down 4 percent) and soft clams (down 2 percent). New Jersey was the leading State with clam landings of 38.4 million pounds (39 percent of the total landings), followed by Virginia, 16.8 million (17 percent); New York, 12.0 million (12 percent); Maryland, 10.7 million (11 percent); and Maine, 7.8 million pounds (8 percent).

Surf clam led in landings with 51.4 million pounds of meats valued at \$26.7 million—an increase of 2.3 million pounds (5 percent) in volume and \$3.4 million (14 percent) in value compared with 1976. Surf clams were 53 percent of the volume, but only 36 percent of the value of all species of clams. The fishery was centered off New Jersey with landings of 23.1 million pounds (45 percent of the total), but a decline of 1.2 million pounds (5 percent) compared with 1976. Surf landings in Virginia were 15.8 million pounds—an increase of 12 percent over 1976. The average price per pound paid to fishermen went from 48 cents in 1976 to 52 cents in 1977.

In recent years, the U.S. surf clam resource has shown the classical signs of stress-increased fishing effort by the fleet but declining yields per day's fishing. In August, NMFS classified the surf clam fishery as "conditional," making it ineligible for financial assistance to add vessels to the existing fleet. In November, the Secretary of Commerce on recommendation from the Mid-Atlantic Fishery Council put the fishery under a Fishery Management Plan entitled "Surf Clam and Ocean Quahog Fisheries." Ocean quahogs were included in the plan because fishermen, facing a declining surf clam catches, were increasingly turning to ocean quahogs. One of the stated objectives of the plan is to prevent the harvest of the ocean quahog from exceeding biologically sound sustainable yield levels, and to direct the fishery toward maintaining optimum yield.

Hard clams landings yielded 14.7 million pounds of meats valued at \$27.2 million—a decrease of 561,000 pounds (4 percent) in volume but an increase of \$1.5 million (6 percent) in value compared with 1976. Hard clams led in value of landings with 37 percent of the total, but only 15 percent of the total volume. New York was again the leading State with 8.5 million pounds of meats, followed by Rhode Island with 1.6 million pounds. The fishermen received an average price of \$1.85 per pound compared to \$1.69 in 1976.

Landings of soft clams were 10.3 million pounds of meats valued at \$13.1 million—a decrease of 192,000 pounds (2 percent) in volume, but an increase of \$786,000 (6 percent) in value compared with 1976. Maine led with landings of 7.8 million pounds or 76 percent of the total catch. The average price per pound paid fishermen was \$1.28 compared with \$1.18 in 1976.

Crabs. Total landings of crabs were a record of 412.8 million pounds valued at \$204.8 million—an increase of 66.3 million pounds (19 percent) in volume and \$70.3 million (52 percent) in value compared with 1976. Landings increased in all species, except king, red, and blue (soft and peeler), and brought the total to 29 percent more than the previous 5-year-average.

Landings of hard crabs were 133.6 million pounds valued at \$28.1 million—an increase of 18.2 million pounds (16 percent) in volume and \$4.5 million (19 percent) in value compared with 1976. Despite the severe winter cold and prediction of high mortality rates among hibernating crabs in the Chesapeake Bay area the Chesapeake States led with landings of 57.3 million pounds—an increase of 27 percent over 1976. Landings also increased in the Gulf States with 44.3 million pounds (21 percent) and the South Atlantic States with 30.7 million pounds (12 percent) over 1976. The Middle Atlantic States with landings of 1.3 million pounds decreased 80 percent compared with 1976. Virginia led in production with 37.2 million pounds (up 44 percent), followed by Maryland, 20.2 million (up 4 percent); and Louisiana, 16.2 million pounds (up 6 percent) over 1976. Prices received by fishermen were relatively unchanged throughout 1977 with an average of 21 cents per pound compared to 20 cents in 1976.

Dungeness crab landings were a record 69.7 million pounds valued at \$31.7 million—an increase of 35.2 million pounds (102 percent) in volume and \$10.9 million (53 percent) in value compared with 1976. California accounted for most of the increase. Landings were 33.6 million pounds in 1977 (up 114 percent) compared with 15.7 million pounds in 1976. Landings increased significantly in Oregon with 19.9 million pounds (145 percent) and Washington with 14.9 million pounds (65 percent) over 1976. Alaska was the only State to show a decrease with landings of 1.2 million pounds (down 25 percent) from 1976. The sizable increase in landings can be attributed to a strong incoming year class which was extended 1 month in 1977 to accommodate the market demand for this species and which attracted more boats to the fishery. Average prices paid to fishermen went from 60 cents per pound in 1976 to 45 cents in 1977.

Alaska catch of king crab was 98.4 million pounds valued at \$102.0 million—a decrease of 7.6 million pounds, but an increase of \$33.3 million in value compared with 1976. Landing in the Bering Sea of 78.9 million pounds were at record levels but were not enough to offset the declining catches from the Aleutian area and Gulf of Alaska. The average price-per-pound for king crabs went from 65 cents in 1976 up to \$1.04 in 1977.

Landings of snow crabs were a record 98.5 million pounds valued at \$35.5 million—an increase of 17.7 million pounds (22 percent) in volume and \$19.3 million (119 percent) in value compared with 1976. The entire catch was in Alaska. About 99 percent of the domestic landings were *Chionoecetes bairdi*, and the rest, *C. opilio*. Rising market demand and consumer acceptance improved the market outlook for this product in 1976 and 1977. Fishermen received an average price of 36 cents per pound in 1977 compared to 20 cents in 1976.

Flounders. Landings were 170.6 million pounds valued at \$60.6 million—an increase of 1.2 million pounds (1 percent) in volume and \$8.2 million (16 percent) in value compared with 1976. The New England States had 47 percent of the landings; the Pacific Coast, 36 percent; South Atlantic, 7 percent; Middle Atlantic, 6 percent; and the remainder were landed in the Chesapeake and Gulf States. Yellowtail flounder was the principal species taken in the New England waters. Under the Fisheries Conservation and Management Act of 1976 the U.S. fishery for yellowtail flounder was under a Fishery Management Plan in 1977. Fishing for these species by foreign vessels were prohibited, except for Canadian vessels. Landings were 36.0 million pounds (41 percent of the total), a 4 percent decrease over 1976, but 6 percent above the 5-year-average. Various species of "sole" were 47.8 million pounds or 90 percent of the total flounder landings in the Pacific Coast States.

GENERAL REVIEW

Groundfish. Landings of Atlantic groundfish (cod, cusk, haddock, hakes, ocean perch, pollock, and whiting) were 232.0 million pounds valued at \$42.5—an increase of 42.7 million pounds (23 percent) in volume and \$8.7 million (26 percent) in value compared with 1976. Cod was the leading groundfish in both volume and value. Landings of Atlantic cod were 76.9 million pounds valued at \$17.3 million—an increase of 20.9 million pounds (37 percent) and \$2.7 million (19 percent) and 33 percent of the total groundfish landings. Landings of cusk (2.8 million pounds) declined 1 percent and whiting (45.3 million pounds) declined 5 percent from 1976. Landings increased for haddock with 28.6 million pounds (123 percent); pollock, 28.6 million (20 percent); ocean perch, 35.0 million (9 percent); and hakes, 14.9 million pounds (6 percent) compared with 1976. Under the FCMA the U.S. fishery for cod and haddock was under a Fishery Management Plan in 1977 and fishing for these species by foreign vessels was prohibited, except for Canadian vessels. There were no FMPs for U.S. fishermen for other groundfish.

Landings of Pacific groundfish and similar species (cod, hakes, ocean perch, Alaska pollock, and rockfishes) were 73.8 million pounds valued at \$11.2 million—increases of 9 percent in volume and 27 percent in value over 1976. Landings increased with all species except cod with 10.7 million pounds declining 17 percent from 1976. Pacific hake landings were 4.7 million pounds (up 10 percent); ocean perch, 5.9 million (up 10 percent); pollock, 739,000 pounds (up 47 percent); and rockfishes, 51.2 million pounds (up 16 percent) compared with 1976.

Halibut. Landings on the Pacific Coast accounted for all but 126,000 pounds landed in New England. (See Section 7.—Pacific Coast Fisheries.)

Jack mackerel. (See Section 7.—Pacific Coast Fisheries.)

Lobster, American. Landings were 31.8 million pounds valued at \$57.9 million—an increase of 290,000 pounds (1 percent) in volume and \$6.0 million (11 percent) in value compared with 1976. Landings increased 6 percent in the Middle Atlantic States and 1 percent in the New England States. Landings of 101,000 pounds in the Chesapeake States declined 61 percent from 1976. Fishermen received an average price of \$1.82 per pound in 1977—17 cents more than in 1976.

Under the Fisheries Conservation and Management Act of 1976, foreign fishing for American lobsters is prohibited in the Fisheries Conservation Zone (FCZ). To avoid domestic lobster pots being damaged by foreign trawlers a narrow strip between 100 and 200 fathoms, roughly from Georges Bank to Cape Hatteras, is closed to foreign fishing while domestic lobster pots are in place. Although foreign fishermen are allowed to fish within other specified areas, or “windows” in the 200-mile FCZ, they will not be allowed to trawl in any place where U.S. lobstermen are fishing their pots and have reported those locations to the U.S. Coast Guard.

Lobster, spiny. The spiny lobster harvest was 6.7 million pounds valued at \$11.2 million—an increase of 1.0 million pounds (18 percent) in volume and \$2.0 million (21 percent) in value compared with 1976. Florida accounted for 95 percent of the total production of spiny lobster. After hitting a peak of 11.4 million pounds in 1972, annual lobster landings began a gradual downward slide and then dropped sharply in 1975 when the Bahamian Government banned outside fishermen from the Bahamian Continental Shelf. During the record year, more than half of the lobster landings were taken from Bahamian waters. Fishermen are hoping that this year's catch is a sign of the lobster fishery improving. The California commercial harvest was 251,000 pounds in 1977—a decrease of 14 percent over 1976. The average price-per-pound paid fishermen was \$1.68 in 1977 compared to \$1.64 in 1976.

Menhaden. Landings of menhaden in the United States were 1.8 billion pounds valued at \$68.2 million—a decrease of 243.4 million pounds (12 percent), but an increase in value of \$1.0 million (1 percent) compared with 1976. Ninety-eight percent of the production was used for reduction into meal, oil, and solubles; the rest

was used for bait or canned pet food. Because of confidentiality in the menhaden fisheries in 1977 we have published only the total catch in "Landings by Regions, 1977" table—see footnote 2. There is no foreign fishing of menhaden under the provisions of the Fisheries Conservation and Management Act of 1976.

Oysters. Landings yielded 50.1 million pounds of meats worth a record \$57.5 million—a decrease of 4.3 million pounds (8 percent) in volume, but an increase of \$3.1 million (6 percent) compared with 1976. Production declined in the Middle Atlantic, Chesapeake, and Gulf States, but increased in all other oyster-producing areas. Severe weather conditions in January 1977 hampered the Chesapeake fishery; beds froze owing to exposure from extremely low tides or were damaged by ice floes. For the second time in a row the Gulf States led in production with 19.7 million pounds—a decline of 9 percent from 1976. The Chesapeake States were next with 18.0 million pounds. The Gulf and Chesapeake States accounted for 75 percent of the total landings in 1977. Maryland was the leading producer with 13.0 million pounds—down 12 percent from 1976. For the second year, oyster-ing was banned in the James River in Virginia because of Kepone pesticide pollution. Landings in Louisiana were second with 10.1 million pounds—a decrease of 18 percent, followed by Washington with 6.1 million pounds, up 10 percent compared with 1976.

Salmon. Virtually all landings were on the Pacific Coast. (See Section 7.—Pacific Coast Fisheries.)

Scallops. Total landings of all species of scallops yielded 28.5 million pounds of meats worth \$47.0 million—an increase of 4.8 million pounds (20 percent) and \$7.4 million (19 percent) compared with 1976. Landings were 120 percent above the 5-year average of 13.0 million pounds. The sharp increase in total scallop landings was primarily attributable to an increase in abundance of sea scallops. Sea scallops accounted for 91 percent of the total landings; bay scallops, 5 percent; and calico scallops, 4 percent.

Sea scallops were 25.9 million pounds of meats valued at \$42.0 million—an increase of 6.0 million pounds (30 percent) in volume and \$7.0 million (20 percent) in value compared with 1976. The sea scallop industry of New Bedford, Mass., continued to expand this year with excellent production from scallop beds off the coasts of New Jersey, New York, and Massachusetts. Massachusetts was the leading State with 17.4 million pounds—67 percent of the national total. Fishermen received \$1.62 per pound for their catch—14 cents less than in 1976.

Bay scallop landings were 1.5 million pounds of meats valued at \$4.1 million—a decrease of 44,000 pounds, but an increase of \$1.1 million compared with 1976. The average price-per-pound paid to fishermen went from \$1.89 in 1976 to \$.2.68 in 1977.

Calico scallop landings were 1.1 million pounds of meats worth \$837,000—a decrease of 1.2 million pounds (51 percent) in volume and \$784,000 (48 percent) in value compared with 1976. Florida was the only State reporting landings of this species in 1977. Good production was reported from a newly discovered bed off Tampa Bay, but predicted heavier landings failed to materialize from beds off Cape Canaveral. Fishermen received an average price of 75 cents per pound—only 4 cents more than in 1976.

Sea herring. Landings of sea herring were 161.1 million pounds worth \$10.8 million—an increase of 7.2 million pounds (5 percent) in volume and \$2.6 million (31 percent) in value compared with 1976. Landings of Atlantic sea herring accounted for 69 percent of the total U.S. landings. Maine was the leading State with 73.1 million pounds—2.8 million pounds (4 percent) more than in 1976 and 45 percent of the total landings. Massachusetts was second with 37.7 million pounds—a decrease of 5 percent compared with 1976. The United States, which withdrew from the International Commission for the Northwest Atlantic Fisheries (ICNAF), effective December 31, 1976, placed foreign fisheries in the Fishery Conservation Zone (FCZ) under U.S. control effective March 1, 1977. Before this time the United States and foreign fisheries for Atlantic sea herring in off shore waters were subject to regulations by ICNAF. Prices received by fishermen were relatively unchanged—7 cents per pound which was only 2 cents more than in 1976.

GENERAL REVIEW

Landings of Pacific sea herring were 49.6 million pounds valued at \$5.8 million—up 14 percent in volume and 51 percent in value compared with 1976. About 63 percent of this total was landed in Alaska, 24 percent in California, 13 percent in Washington, and a small amount in Oregon. Foreign fishing for Pacific sea herring in the FCZ of the Eastern Bering Sea and Northeast Pacific became subject to a preliminary Fishery Management Plan on March 1, 1977. The average price-per-pound received by fishermen was 12 cents—only a 3 cent increase over 1976.

Shrimp. Landings of shrimp (heads-on) were a record 476.5 million pounds—an increase of 17 percent over 1976 and 26 percent above the previous 5-year average. Shrimp landings were valued at \$360.7 million to the fishermen—up 9 percent from 1976. Fishermen were paid an average price of 76 cents per pound—5 cents less than in 1976.

Alaska led all States for the sixth consecutive year with 116.1 million pounds—a decrease of 12.6 million (10 percent) compared with 1976. The State of Alaska closed the shrimp season in the Kodiak area in early December because of indications of falling stocks. An 11-day strike by shrimp trawlers in the fall in the Kodiak area also held down landings for this port. Louisiana was second in production and value with 104.0 million pounds valued at \$87.2 million. Landings of brown shrimp in Louisiana were so great that processors were unable to handle the volume, and as a result, some quantities of shrimp were lost owing to spoilage. Texas was first in value with \$126.9 million (up 6 percent) and third in volume with 92.3 million pounds.

The Gulf States accounted for 56 percent of the total production with increased landings in all States. Landings were a record catch of 265.2 million pounds worth \$297.7 million—an increase of 55.0 million pounds (26 percent) in volume and \$22.5 million (8 percent) in value compared with 1976. Low rainfall, high salinities, and no cold spells provided an excellent year for shrimp production. The Pacific States production was 192.4 million pounds valued at \$38.2 million—up 15 percent in volume and 90 percent in value over 1976. Landings in the South Atlantic States were 18.0 million pounds—a decline of 31 percent over 1976. New England landings declined drastically to 840,000 pounds (63 percent) in 1977 compared to 2.3 million pounds in 1976. There are no foreign fisheries for shrimp in the FCZ.

Squid. U.S. landings of squid reached 34.1 million pounds worth \$3.1 million—an increase of 5.3 million (18 percent) in volume and \$698,000 (30 percent) in value compared with 1976. California was the leading State, accounting for all the Pacific Coast catch, with 28.2 million pounds or 83 percent of the national total. The second leading State was Massachusetts with 3.5 million pounds—a decrease of 4 percent from 1976. The average price-per-pound paid to fishermen was relatively unchanged from 1976.

Tuna. Landings in the United States were 333.9 million pounds valued at \$133.4 million—a decrease of 156.7 million (32 percent) in volume and \$18.0 million (12 percent) in value compared with 1976. Landings of all species declined except bigeye (up 69 percent) and little (up 13 percent) over 1976. Yellowfin tuna landings of 201.4 million pounds or 60 percent of the total tuna landings—decreased 29 percent from 1976. Landings of bluefin tuna were 10.9 million pounds (down 52 percent); albacore, 25.4 million (down 38 percent); and skipjack, 92.2 million pounds (down 34 percent) compared with 1976. The principal reason for the decline in landings of skipjack and yellowfin tuna in 1977 was the virtual cessation in the early part of the year of fishing by tuna seining vessels because of court litigation over the incidental catch of porpoises. The seiners returned to sea in mid-May after a compromise quota was established. Ninety-six percent of all tuna landings were in the Pacific Coast States. (See Section 7.—Pacific Coast Fisheries.)

Landings of tuna in Puerto Rico and other ports outside the 50 States by U.S.-flag vessels were 123.7 million pounds worth \$45.9 million. Landings were down 29 percent in volume and 8 percent in value compared with 1976.

In the Atlantic Ocean, NMFS and the U.S. Coast Guard closely control fishing for bluefin tuna by U.S. anglers and commercial fishermen in response to recommendations of the International Commission for the Conservation of Atlantic Tuna (ICCAT). Regulations are designed to protect undersize fish (under 14 pounds) and the prime spawning size fish (115-299 pounds). The catch of the other sizes is restricted to amounts taken in recent years. Commercial fishing for yellowfin tuna of less than 7 pounds (3.2 kilograms) is prohibited. Foreign nations are allowed to catch and retain tunas in the FCZ during 1977. For more detailed information on the Pacific Ocean catch of tunas see the "Pacific Fisheries Section."

World landings. In 1977, world landings were 68.7 million metric tons (151.4 billion pounds), down 3.4 million metric tons (5 percent) compared with 1976. Japan was the leading nation again with 15 percent of the total. The U.S.S.R. was a close second with 14 percent; China (Mainland), 6 percent; Norway, 5 percent; and the United States, 4 percent.

Other information. Summaries of landings statistics for certain States have been published previously in the Current Fishery Statistics series of bulletins. A preliminary review titled *Fisheries of the United States*, available each April, contains current information on many aspects of the fisheries such as domestic and world landings, per capita consumption, price indexes, foreign trade, and supplies, together with comparative data for the previous year. *Fisheries of the United States* is for sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

GENERAL REVIEW

LANDINGS OF FISH AND SHELLFISH, 1945-1977

YEAR	LANDINGS FOR HUMAN FOOD	LANDINGS FOR INDUSTRIAL PRODUCTS (1)	TOTAL		AVERAGE PRICE PER POUND
			MILLION		CENTS
	MILLION POUNDS			DOLLARS	
1945	3,167	1,431	4,598	270	5.87
1946	3,049	1,418	4,467	313	7.01
1947	3,020	1,329	4,349	312	7.16
1948	3,146	1,367	4,513	371	8.22
1949	3,305	1,499	4,804	343	7.13
1950	3,307	1,594	4,901	347	7.09
1951	3,048	1,385	4,433	385	8.23
1952	2,778	1,654	4,432	384	8.20
1953	2,519	1,968	4,487	356	7.94
1954	2,705	2,057	4,762	359	7.55
1955	2,579	2,230	4,809	339	7.05
1956	2,690	2,578	5,268	372	7.06
1957	2,475	2,314	4,789	354	7.39
1958	2,651	2,096	4,747	373	7.86
1959	2,369	2,753	5,122	346	6.76
1960	2,498	2,444	4,942	354	7.15
1961	2,490	2,697	5,187	382	6.98
1962	2,540	2,814	5,354	396	7.40
1963	2,556	2,291	4,847	377	7.78
1964	2,497	2,044	4,541	389	8.57
1965	2,587	2,190	4,777	446	9.34
1966	2,572	1,794	4,366	472	10.81
1967	2,368	1,687	4,055	440	10.85
1968	2,346	1,814	4,160	497	11.95
1969	2,321	2,016	4,337	527	12.15
1970	2,537	2,380	4,917	613	12.47
1971	2,441	2,577	5,018	651	12.97
1972	2,435	2,371	4,806	748	15.56
1973	2,398	2,460	4,858	937	19.28
1974	2,496	2,471	4,967	932	18.76
1975	2,465	2,412	4,877	977	20.02
1976	2,775	2,613	5,388	1,349	25.03
1977	2,952	2,319	5,271	1,554	29.48

(1) MANUFACTURED INTO MEAL, OIL, FISH SOLUBLES, HOMOGENIZED CONDENSED FISH, SHELL PRODUCTS, AND USED AS BAIT AND ANIMAL FOOD.
NOTE:—DOES NOT INCLUDE DATA ON THE HAWAII LANDINGS PRIOR TO 1948.

SECTIONAL SUMMARIES SUMMARY OF LANDINGS, 1977

REGION	FISH		SHELLFISH ET AL.		TOTAL	
	MILLION POUNDS	MILLION DOLLARS	MILLION POUNDS	MILLION DOLLARS	MILLION POUNDS	MILLION DOLLARS
NEW ENGLAND	504	95	82	112	586	707
MIDDLE ATLANTIC	152	19	62	51	214	70
CHESAPEAKE	561	30	110	57	671	87
SOUTH ATLANTIC	292	33	55	38	347	71
GULF	1,144	69	339	339	1,482	408
PACIFIC	1,291	446	519	227	1,809	673
GREAT LAKES	73	10	-	-	73	10
MISSISSIPPI RIVER AND TRIBUTARIES	69	14	6	2	74	17
HAWAII	13	10	(1)	(1)	13	10
TOTAL	4,099	726	1,173	826	5,271	1,554

(1) LESS THAN 500,000 POUNDS OR \$500.00. NOTE:—TABLE MAY NOT ADD BECAUSE OF ROUNDING.

SUMMARY OF OPERATING UNITS, 1977

ITEM	NEW ENGLAND	MIDDLE ATLANTIC	CHESAPEAKE	SOUTH ATLANTIC	GULF
FISHERMEN:					
ON VESSELS	3,893	2,200	4,775	3,922	15,388
ON BOATS AND SHORE	27,849	15,131	23,079	7,698	13,908
TOTAL	31,742	17,331	27,854	11,620	29,296
VESSELS:					
MOTOR	929	573	2,058	1,463	5,328
GROSS TONNAGE	57,427	36,337	49,538	66,595	317,509
SAIL	-	-	28	-	-
GROSS TONNAGE	-	-	304	-	-
TOTAL VESSELS	929	573	2,086	1,463	5,328
TOTAL GROSS TONNAGE	57,427	36,337	49,842	66,595	317,509
BOATS:					
MOTOR	15,221	11,261	18,765	6,417	10,929
OTHER	230	61	275	255	44
GEAR:					
HAUL SEINES:					
COMMON	19	29	155	101	73
LONG	-	-	-	64	-
DANISH	8	-	-	-	-
STOP SEINES	54	-	-	-	-
PURSE SEINES:					
HERRING	27	-	-	-	-
TUNA	2	1	-	-	-
OTHER	13	11	36	24	90
LAMPARA NETS, OTHER	-	-	-	3	-
BAG NETS	10	-	-	70	-
BUTTERFLY NETS	-	-	-	-	1,294
OTTER TRAWLS:					
CRAB	-	-	-	323	-
FISH	-	259	115	472	60
LOBSTER	-	14	-	-	-
SCALLOP	-	35	34	71	58
SHRIMP	-	-	-	3,631	14,287
OTHER (1)	777	-	-	135	-
MIDWATER TRAWLS	-	8	-	-	-
WEIRS	31	-	-	-	-
POUND NETS:					
FISH	14	120	548	1,039	-
CRAB	-	-	2,880	-	-
FLOATING TRAPS	27	-	-	-	-
FYKE AND HOOP NETS:					
FISH	5	143	1,536	2,828	20,640
TURTLE	-	101	-	-	-
POTS AND TRAPS:					
CONCH	3,622	1,350	200	-	-
CRAB:					
BLUE	-	11,971	308,930	109,577	215,575
OTHER	950	200	825	3,470	266,985
CRAWFISH	-	-	-	-	31,900
EEL	8,747	5,105	14,130	14,290	-
FISH	250	10,610	7,021	9,571	3,475
LOBSTER	2,093,416	98,218	5,150	47,160	407,950
SHRIMP	1,800	-	-	-	-
TURTLE	-	36	281	-	-

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

GENERAL REVIEW

SUMMARY OF OPERATING UNITS, 1977 - Continued

ITEM	NEW ENGLAND	MIDDLE ATLANTIC	CHESAPEAKE	SOUTH ATLANTIC	GULF
	NUMBER				
GEAR - CONTINUED:					
GILL NETS:					
ANCHOR, SET, OR STAKE ...	206	421	3,987	2,519	255
DRIFT	131	87	2,955	276	-
RUNAROUND	-	90	-	407	1,255
TRAMMEL NETS	-	-	-	2	772
LINES:					
HAND	4,336	4,533	350	1,545	4,613
TROLL	1,432	46	-	682	1,199
LONG OR SET WITH HOOKS	243	163	305	3,197	1,759
TROT WITH BAITS	-	-	14,303	76	65
DIP NETS	396	238	141	25	171
CAST NETS	-	-	-	82	33
HARPOONS	242	13	-	-	-
SPEARS	20	35	-	119	102
SCRAPES	-	-	345	-	-
DREDGES:					
CLAM	37	114	256	32	-
CONCH	-	16	-	-	-
CRAB	-	97	249	-	-
MUSSEL, SEA	15	4	-	-	-
OYSTER, COMMON	13	73	287	126	1,160
SCALLOP	3,291	1,040	46	203	69
OTHER	3	-	4	-	-
TONGS AND GRABS	407	1,315	7,153	82	1,533
RAKES	2,765	8,720	26	548	-
HOES	7,026	30	-	-	-
PICKS	-	-	85	-	-
BRUSH TRAPS	-	-	-	-	45,000
GRABS, FROG	-	-	-	-	18
HOOKS	-	-	-	29	6
DIVING OUTFITS	5	-	-	4	6
ITEM	PACIFIC	GREAT LAKES	MISSISSIPPI RIVER AND TRIBUTARIES	HAWAII	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER				
FISHERMEN:					
ON VESSELS	25,283	518	-	401	53,652
ON BOATS AND SHORE	28,765	671	11,313	2,274	128,416
TOTAL	54,048	1,189	11,313	2,675	182,068
VESSELS:					
MOTOR	7,643	217	-	101	17,517
GROSS TONNAGE	293,227	4,303	-	(2)	766,207
SAIL	-	-	-	-	28
GROSS TONNAGE	-	-	-	-	304
TOTAL VESSELS	7,643	217	-	101	17,545
TOTAL GROSS TONNAGE	293,227	4,303	-	(2)	766,511
BOATS:					
MOTOR	14,937	446	9,654	-	87,603
OTHER	496	55	201	-	1,617
GEAR:					
HAUL SEINES:					
COMMON	118	93	271	(2)	859
LONG	-	-	-	-	64
DANISH	-	-	-	-	8
STOP SEINES	-	-	-	-	54
PURSE SEINES:					
ANCHOVY	10	-	-	-	10
HERRING	32	-	-	-	59
MACKEREL	48	-	-	-	48
SALMON	1,347	-	-	-	1,347
TUNA	156	-	-	-	159
OTHER	251	-	-	-	406

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SUMMARY OF OPERATING UNITS, 1977 - Continued

ITEM	PACIFIC	GREAT LAKES	MISSISSIPPI RIVER AND TRIBUTARIES	HAWAII	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER				
GEAR — CONTINUED:					
LAMPARA NETS:					
MACKEREL.....	21	-	-	-	21
SQUID.....	32	-	-	-	32
TUNA.....	5	-	-	-	5
OTHER.....	52	-	-	-	55
BAG NETS.....	-	-	-	(2)	80
BUTTERFLY NETS.....	-	-	-	-	1,294
BEAM TRAWLS, SHRIMP.....	27	-	-	-	27
OTTER TRAWLS:					
CRAB.....	-	-	-	-	323
FISH.....	1,630	13	1	-	2,463
LOBSTER.....	-	-	-	-	14
SCALLOP.....	-	-	-	-	178
SHRIMP.....	399	-	-	-	17,716
OTHER.....	34	-	-	-	946
MIDWATER TRAWLS.....	-	-	-	-	8
WEIRS.....	-	-	1	-	32
POUND NETS:					
FISH.....	13	202	23	-	1,959
CRAB.....	-	-	-	-	2,880
TRAP NETS.....	-	809	7	-	816
FLOATING TRAPS.....	-	-	-	-	27
FYKE AND HOOP NETS:					
FISH.....	-	354	54,361	-	79,867
TURTLE.....	-	-	120	-	221
POTS AND TRAPS:					
CONCH.....	-	-	-	-	5,172
CRAB:					
BLUE.....	-	-	-	-	645,513
DUNGENESS.....	200,711	-	-	-	200,711
KING.....	64,189	-	-	-	64,189
OTHER.....	52,624	-	-	(2)	325,054
CRAWFISH.....	6,500	-	75,325	-	113,725
EEL.....	-	-	-	(2)	42,272
FISH.....	10,785	-	5,640	(2)	46,352
LOBSTER.....	12,300	-	-	(2)	2,662,594
OCTOPUS.....	130	-	-	(2)	130
SHRIMP.....	7,296	-	215	(2)	9,311
TURTLE.....	-	-	65	-	382
WIRE BASKETS.....	-	-	6,137	-	6,137
UNCLASSIFIED.....	320	-	-	-	320
SLAT TRAPS.....	-	-	800	-	800
GILL AND TRAMMEL NETS.....	115	-	-	-	115
GILL NETS:					
ANCHOR, SET, OR STAKE.....	4,297	2,352	7,324	(2)	19,009
DRIFT.....	8,457	-	-	-	11,906
RUNAROUND.....	-	-	-	-	1,748
UNCLASSIFIED.....	3	-	-	-	3
TRAMMEL NETS.....	33	-	6,490	-	7,297
LINES:					
HAND.....	23,821	-	68	(2)	39,260
TROLL.....	84,941	-	-	(2)	88,300
LONG OR SET WITH HOOKS.....	18,692	94	20,203	(2)	44,649
TROT WITH BAITS.....	-	-	-	-	14,444
SNAG.....	-	-	2,571	-	2,571
DIP NETS.....	310	3	212	-	1,496
BRAIL OR SCOOP NETS.....	24	-	-	-	24
LIFT NETS.....	-	-	-	(2)	(2)
REEF NETS.....	83	-	-	-	83
WHEELS.....	140	-	-	-	140
CAST NETS.....	-	-	-	(2)	115
HARPOONS.....	206	-	-	-	461
SPEARS.....	-	-	-	(2)	276
SCRAPES.....	-	-	-	-	345
WATER PUMP.....	43	-	-	-	43
DREDGES:					
CLAM.....	5	-	-	-	435
CONCH.....	-	-	-	-	16
CRAB.....	-	-	-	-	346
MUSSEL, SEA.....	-	-	-	-	19
OYSTER.....	50	-	-	-	1,707
SCALLOP.....	2	-	-	-	4,605
OTHER.....	-	-	-	-	7
TONGS AND OYSTER GRABS.....	-	-	-	-	10,490
RAKES.....	-	-	-	-	12,059
HOES.....	-	-	-	-	7,056
SHOVELS.....	484	-	-	-	484
PICKS.....	-	-	-	-	85
BRUSH TRAPS.....	-	-	-	-	45,000
CROWFOOT BARS.....	-	-	61	-	61
GRABS, FROG.....	-	-	123	-	141
HOOKS, SPONGE.....	-	-	-	-	35
DIVING OUTFITS.....	485	-	57	-	513
OTHER.....	7	-	-	-	7

(1) TRAWLS COMBINED IN NEW ENGLAND.

(2) DATA ON GROSS TONNAGE AND THE NUMBER OF GEAR OPERATED IN HAWAII ARE NOT AVAILABLE.

GENERAL REVIEW

SUMMARY OF U.S. FISHING VESSELS, BY TONNAGE GROUPS, 1977

GROSS TONNAGE	NEW ENGLAND	MIDDLE ATLANTIC	CHESA-PEAKE (1)	SOUTH ATLANTIC	GULF	PACIFIC	GREAT LAKES	TOTAL, EXCLUSIVE OF DUPLICATION
5-9	45	28	1,308	196	328	1,370	29	3,288
10-19	175	132	480	245	1,193	3,211	104	5,513
20-29	121	63	50	169	658	995	50	2,081
30-39	104	44	21	190	400	816	17	1,343
40-49	76	58	22	159	322	442	15	1,010
50-59	53	30	17	118	241	237	1	637
60-69	45	32	20	126	345	144	1	630
70-79	45	28	14	62	208	88	-	393
80-89	25	16	17	49	233	46	-	336
90-99	39	38	20	85	566	86	-	726
100-109	20	10	12	21	261	31	-	320
110-119	37	17	15	5	177	34	-	256
120-129	23	14	9	8	124	22	-	183
130-139	33	15	10	9	111	33	-	178
140-149	20	9	11	4	31	16	-	81
150-159	15	7	3	3	19	28	-	88
160-169	9	8	7	-	16	29	-	62
170-179	10	5	3	-	6	9	-	30
180-189	3	1	2	-	4	22	-	31
190-199	22	7	14	1	6	90	-	133
200-209	-	-	-	1	1	-	-	2
220-229	-	-	1	-	4	1	-	6
230-239	-	1	-	1	1	-	-	2
240-249	1	-	2	1	3	-	-	6
250-259	-	-	5	1	1	2	-	9
260-269	-	-	5	3	2	-	-	8
270-279	-	2	-	-	2	-	-	4
280-289	-	-	-	-	1	1	-	2
290-299	-	-	1	1	8	3	-	12
300-309	-	-	1	-	-	-	-	1
310-319	5	1	-	-	3	2	-	10
320-329	2	-	-	-	1	3	-	6
330-339	-	-	-	-	1	2	-	3
360-369	-	-	-	-	2	3	-	5
370-379	-	-	-	-	3	1	-	4
380-389	-	-	-	-	2	1	-	3
400-409	-	-	-	-	-	1	-	1
410-419	-	-	-	-	1	1	-	2
420-429	-	-	-	-	-	1	-	1
430-439	-	-	-	-	1	9	-	10
440-449	-	-	-	-	-	1	-	1
450-459	1	-	-	-	1	1	-	3
460-469	-	-	-	-	1	-	-	1
470-479	-	-	-	-	3	-	-	3
480-489	-	-	-	-	3	-	-	3
490-499	-	-	-	-	3	3	-	6
500-509	-	1	-	-	1	4	-	5
510-519	-	-	-	1	3	1	-	4
520-529	-	1	-	-	5	-	-	5
530-539	-	1	6	1	16	1	-	22
540-549	-	-	3	-	-	-	-	3
550-559	-	-	5	-	1	-	-	6
560-569	-	1	-	-	1	-	-	1
570-579	-	1	-	-	-	-	-	1
600-609	-	-	-	-	1	-	-	1
610-619	-	1	-	-	-	-	-	1
620-629	-	-	-	-	1	-	-	1
630-639	-	-	1	1	-	-	-	1
640-649	-	1	-	-	2	-	-	3
650-659	-	-	-	1	-	-	-	1
670-679	-	-	-	1	-	1	-	2
690-699	-	-	-	-	-	1	-	1
720-729	-	-	1	1	-	1	-	2
730-739	-	-	-	-	-	1	-	1
750-759	-	-	-	1	-	2	-	3
760-769	-	-	-	-	1	1	-	2
770-779	-	-	-	-	-	1	-	1
780-789	-	-	-	-	1	1	-	2
790-799	-	-	-	-	-	1	-	1
800-809	-	-	-	-	-	2	-	2
830-839	-	-	-	-	-	3	-	3
860-869	-	-	-	-	-	10	-	10
870-879	-	-	-	-	-	1	-	1
880-889	-	-	-	-	-	2	-	2

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SUMMARY OF U.S. FISHING VESSELS, BY TONNAGE GROUPS, 1977 - Continued

GROSS TONNAGE	NEW ENGLAND	MIDDLE ATLANTIC	CHESA-PEAKE (1)	SOUTH ATLANTIC	GULF	PACIFIC	GREAT LAKES	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER							
900—909.....	-	-	-	-	-	1	-	1
910—919.....	-	-	-	-	-	5	-	5
920—929.....	-	-	-	-	-	1	-	1
930—939.....	-	-	-	-	-	1	-	1
970—979.....	-	-	-	-	-	6	-	6
980—989.....	-	-	-	-	-	5	-	5
990—999.....	-	-	-	-	-	3	-	3
1060—1069.....	-	-	-	-	-	2	-	2
1070—1079.....	-	-	-	-	-	4	-	4
1090—1099.....	-	-	-	-	-	1	-	1
1110—1119.....	-	-	-	-	-	1	-	1
1120—1129.....	-	-	-	-	-	1	-	1
1150—1059.....	-	-	-	-	-	2	-	2
1160—1169.....	-	-	-	-	-	1	-	1
1180—1189.....	-	-	-	-	1	5	-	5
1190—1199.....	-	-	-	-	-	1	-	1
1300—1309.....	-	-	-	-	-	1	-	1
1490—1499.....	-	-	-	-	-	2	-	2
1560—1569.....	-	-	-	-	-	1	-	1
3270—3279.....	-	-	-	-	1	-	-	1
TOTAL VESSELS.....	929	573	2,086	1,463	5,328	7,643	217	(2) 17,545
TOTAL GROSS TONNAGE.	57,427	36,337	49,842	66,595	317,854	293,227	4,303	(2) 766,856

(1) INCLUDES SAILING VESSELS.

(2) TOTAL INCLUDES 101 VESSELS OPERATING IN HAWAII. DATA ON TONNAGE FOR VESSELS IN HAWAII ARE NOT AVAILABLE.

LENGTH DISTRIBUTION OF U.S. FISHING VESSELS, 1977

LENGTH IN FEET	NEW ENGLAND	MIDDLE ATLANTIC	CHESA-PEAKE (1)	SOUTH ATLANTIC	GULF	PACIFIC	GREAT LAKES	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER							
20—29.....	25	12	22	89	142	1,474	10	1,771
30—39.....	190	115	1,438	353	1,116	3,278	133	6,580
40—49.....	156	98	355	351	1,120	1,752	58	3,817
50—59.....	165	87	69	297	832	460	16	1,779
60—69.....	151	123	76	300	1,596	246	-	2,234
70—79.....	145	83	60	49	414	156	-	790
80—89.....	52	23	8	4	13	81	-	165
90—99.....	16	6	8	2	3	49	-	80
100—109.....	13	8	6	2	4	17	-	43
110—119.....	7	2	-	-	4	20	-	33
120—129.....	2	5	17	7	6	12	-	44
130—139.....	7	3	8	1	12	10	-	36
140—149.....	-	-	2	-	10	4	-	16
150—159.....	-	-	1	1	10	22	-	33
160—169.....	-	5	14	2	39	10	-	62
170—179.....	-	-	2	5	-	9	-	14
180—189.....	-	-	-	-	-	9	-	9
190—199.....	-	2	-	-	3	20	-	25
200—209.....	-	1	-	-	3	9	-	12
210—219.....	-	-	-	-	-	1	-	1
220—229.....	-	-	-	-	-	2	-	2
230—239.....	-	-	-	-	-	1	-	1
380—389.....	-	-	-	-	-	1	-	1
610—619.....	-	-	-	-	1	-	-	1
TOTAL VESSELS.....	929	573	2,086	1,463	5,328	7,643	217	(2) 17,545

(1) INCLUDES SAILING VESSELS.

(2) TOTAL INCLUDES 101 VESSELS OPERATING IN HAWAII. DATA ON LENGTH FOR VESSELS IN HAWAII ARE NOT AVAILABLE.

GENERAL REVIEW

U.S. FISHING VESSELS BY YEAR BUILT AND REGION, 1977 (1)

YEAR BUILT	NEW ENGLAND	MIDDLE ATLANTIC	CHESA-PEAKE (2)	SOUTH ATLANTIC	GULF	PACIFIC	GREAT LAKES	TOTAL, EXCLUSIVE OF DUPLICATION
UNKNOWN.....	1	4	7	7	15	2	-	36
1849.....	-	1	-	-	-	-	-	1
1852.....	-	1	-	1	1	-	-	3
1866.....	-	1	-	-	-	-	-	1
1872.....	-	1	1	-	-	-	-	2
1873.....	-	1	-	-	-	-	-	1
1883.....	-	1	-	-	-	-	-	1
1885.....	-	-	1	-	-	-	-	1
1886.....	-	-	1	-	-	-	-	1
1887.....	-	1	-	-	-	1	-	2
1888.....	-	1	-	-	1	-	-	2
1889.....	-	-	-	1	-	-	-	1
1891.....	1	-	1	-	-	-	-	2
1892.....	-	1	1	-	-	-	-	2
1893.....	-	1	-	-	-	1	-	2
1894.....	-	-	-	-	-	1	-	1
1899.....	-	1	-	-	-	-	-	1
1900.....	-	-	-	-	2	52	-	54
1901.....	-	4	5	1	3	1	-	14
1902.....	-	2	1	-	-	-	-	3
1903.....	-	2	-	-	1	2	-	7
1904.....	2	-	4	-	2	1	-	7
1905.....	-	1	3	-	5	3	-	12
1906.....	1	2	2	-	3	5	1	14
1907.....	-	1	1	-	1	9	-	12
1908.....	-	-	-	-	-	5	-	5
1909.....	1	2	3	-	1	5	-	11
1910.....	-	3	1	-	-	9	-	13
1911.....	-	1	3	2	-	15	-	21
1912.....	-	1	-	-	2	28	1	32
1913.....	-	2	4	1	-	27	-	34
1914.....	1	-	2	-	2	32	-	37
1915.....	-	-	2	-	3	36	-	41
1916.....	-	-	-	1	1	17	-	19
1917.....	-	1	2	1	2	71	-	77
1918.....	3	1	4	1	4	51	-	62
1919.....	1	2	1	-	1	46	-	50
1920.....	-	2	3	-	3	74	-	82
1921.....	1	-	1	2	2	21	-	27
1922.....	-	2	4	1	2	11	1	21
1923.....	2	5	4	1	5	23	-	40
1924.....	6	8	10	4	11	33	-	72
1925.....	3	2	8	6	7	55	-	79
1926.....	7	2	9	2	9	75	2	106
1927.....	4	4	7	6	9	95	-	124
1928.....	5	4	7	2	14	113	-	143
1929.....	4	6	7	5	11	81	4	118
1930.....	7	6	8	8	8	53	4	93
1931.....	3	1	6	2	13	36	1	61
1932.....	3	2	6	3	5	21	1	41
1933.....	4	2	3	3	7	19	3	41
1934.....	1	-	11	5	5	26	4	52
1935.....	2	2	11	5	23	58	3	104
1936.....	7	5	15	5	33	41	11	115
1937.....	9	5	19	6	44	60	7	149
1938.....	6	2	17	9	36	70	7	144
1939.....	10	3	23	7	22	101	3	169
1940.....	10	4	15	8	33	96	3	169
1941.....	17	3	12	9	23	97	1	161
1942.....	9	12	18	7	29	141	1	213
1943.....	17	14	26	8	39	154	4	258
1944.....	37	14	44	19	65	232	7	406
1945.....	43	23	37	24	63	209	19	405
1946.....	37	27	53	44	91	231	21	465
1947.....	23	19	49	39	92	208	20	447
1948.....	19	8	58	28	128	142	20	400
1949.....	16	6	49	36	55	144	6	306

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

U.S. FISHING VESSELS BY YEAR BUILT AND REGION, 1977 - Continued (1)

YEAR BUILT	NEW ENGLAND	MIDDLE ATLANTIC	CHESA-PEAKE (2)	SOUTH ATLANTIC	GULF	PACIFIC	GREAT LAKES	TOTAL EXCLUSIVE OF DUPLICATION
	NUMBER							
1950	10	6	39	12	55	105	11	232
1951	13	8	28	21	54	118	5	238
1952	20	8	44	18	75	123	6	289
1953	12	12	43	23	115	120	3	325
1954	10	9	50	32	120	56	2	272
1955	14	6	50	36	70	105	2	270
1956	12	9	75	32	78	72	3	274
1957	15	11	71	57	108	74	1	307
1958	11	4	57	54	138	87	8	340
1959	15	5	56	38	73	79	4	282
1960	5	3	46	19	52	74	3	198
1961	11	9	45	25	71	83	-	235
1962	13	6	32	25	70	85	2	224
1963	15	5	50	30	118	113	1	316
1964	18	10	30	28	140	116	1	324
1965	19	9	50	24	188	123	-	393
1966	35	19	64	48	224	185	-	538
1967	36	17	75	68	287	187	-	609
1968	28	18	54	56	279	151	1	543
1969	17	21	59	46	213	187	-	509
1970	24	18	52	62	183	220	-	523
1971	28	21	43	44	219	268	3	596
1972	40	18	55	73	298	300	1	738
1973	37	25	64	89	369	362	-	892
1974	29	18	69	58	252	461	2	856
1975	47	17	81	38	117	209	1	489
1976	38	19	63	45	184	232	-	556
1977	34	9	51	42	241	208	2	575
TOTAL	929	573	2,086	1,463	5,328	7,643	217	(3) 17,545

(1) U.S. FISHING VESSELS BY YEAR THE VESSELS WERE BUILT AND IN THE REGION THE VESSELS WERE OPERATED IN 1977.

(2) INCLUDES SAILING VESSELS.

(3) INCLUDES 101 VESSELS OPERATING IN HAWAII. DATA ON YEAR BUILT FOR VESSELS IN HAWAII ARE NOT AVAILABLE.

GENERAL REVIEW

U.S. FISHING VESSELS BY GEAR AND CONSTRUCTION, 1977

GEAR	WOOD	STEEL	ALUMINUM	FIBERGLASS	OTHER	TOTAL
HAUL SEINES:						
COMMON	46	14	-	18	1	79
LONG	11	-	-	-	-	11
DANISH	2	-	-	1	-	3
STOP SEINES	5	-	-	2	-	7
PURSE SEINES:						
ANCHOVY	8	1	-	-	-	9
HERRING	31	12	-	3	-	46
MACKEREL	35	8	-	2	-	45
MENHADEN	27	112	-	-	-	139
SALMON	798	125	3	222	4	1,152
TUNA	51	91	-	4	-	146
OTHER	110	66	-	11	1	188
LAMPARA NETS:						
MACKEREL	15	4	-	1	-	20
SQUID	21	6	-	-	-	27
TUNA	5	-	-	-	-	5
OTHER	32	8	-	1	-	41
BUTTERFLY NETS	34	1	-	1	-	36
BEAM TRAWLS, SHRIMP	17	3	-	5	-	25
OTTER TRAWLS:						
CRAB	133	1	-	2	-	136
FISH	1,423	425	7	105	11	1,971
LOBSTER	13	12	-	-	-	25
SCALLOP	76	41	-	4	-	121
SHRIMP	4,036	1,267	7	170	11	5,491
OTHER	3	-	-	6	-	9
MIDWATER TRAWLS	5	13	-	-	-	18
POUND NETS:						
FISH	117	10	-	8	-	135
CRAB	6	-	-	-	-	6
TRAP NETS	10	53	-	-	-	63
FLOATING TRAPS	4	3	-	-	-	7
FYKE AND HOOP NETS, FISH	23	3	-	1	-	27
POTS AND TRAPS:						
CONCH	1	-	-	-	-	1
CRAB:						
BLUE	702	2	-	14	-	718
DUNGENESS	672	279	10	132	13	1,106
KING	152	212	3	38	1	406
OTHER	159	179	2	73	2	415
CRAWFISH	2	-	-	-	-	2
FISH	163	33	-	6	3	205
LOBSTER:						
INSHORE	105	4	-	40	-	149
OFFSHORE	55	41	2	9	-	107
SPINY LOBSTER	161	5	-	135	1	302
SHRIMP	14	4	1	7	-	26
GILL NETS:						
ANCHOR, SET, OR STAKE:						
SALMON	49	8	-	54	4	115
OTHER	304	11	2	35	-	352
DRIFT:						
BARRACUDA	7	-	-	2	-	9
SALMON	721	39	20	739	13	1,532
SEA BASS	12	2	-	-	-	14
SHAD	4	-	-	16	-	20
OTHER	392	21	-	43	3	459
RUNAROUND	95	2	-	64	1	162
GREAT LAKES:						
1-1/4 - 2 INCH MESH	8	11	-	-	-	19
2-1/8 - 3-7/8 INCH MESH	32	85	-	-	-	117
4 - 7 INCH MESH	36	63	-	-	-	99
TRAMMEL NETS	23	-	-	3	-	26
LINES:						
HAND:						
ALBACORE	70	69	1	13	1	154
ROCKFISH	18	2	-	4	-	24
YELLOWFIN	18	48	-	3	-	69
OTHER	1,264	204	8	302	27	1,805
TROLL:						
SALMON	2,591	293	17	456	54	3,411
TUNA	890	283	5	129	28	1,335
OTHER	1,349	163	14	207	33	1,766
LONG OR SET WITH HOOKS	312	58	5	74	6	455
TROT WITH BAITS	400	-	-	4	-	404

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

U.S. FISHING VESSELS BY GEAR AND CONSTRUCTION, 1977 - Continued

GEAR	WOOD	STEEL	ALUMINUM	FIBERGLASS	OTHER	TOTAL	
NUMBER							
DIP NETS, COMMON.....	34	14	-	-	10	-	58
BRAIL OR SCOOP NETS.....	2	4	-	-	-	-	6
REEF NETS.....	5	1	-	1	-	-	7
HARPOONS:							
SWORDFISH.....	99	15	-	23	1	-	138
OTHER.....	7	3	-	4	-	-	14
SPEARS.....	2	-	-	-	-	-	2
SCRAPES.....	18	-	-	-	-	-	18
DREDGES:							
CLAM.....	234	79	-	-	-	-	313
CRAB.....	154	1	-	4	-	-	159
MUSSEL.....	4	-	-	-	-	-	4
OYSTER:							
COMMON.....	574	40	5	2	-	-	621
SUCTION.....	1	1	-	-	-	-	2
SCALLOP, SEA.....	125	61	1	3	-	-	190
TONGS AND GRABS:							
OYSTER.....	1,150	1	-	9	-	-	1,160
OTHER.....	69	-	-	-	-	-	69
DIVING OUTFITS:							
ABALONE.....	17	1	-	8	1	-	27
SPONGE.....	3	-	-	-	-	-	3
OTHER.....	49	8	1	14	1	-	73
TOTAL.....	20,425	4,629	114	3,247	221		28,636
TOTAL, EXCLUSIVE OF DUPLICATION.....	12,529	2,828	73	2,015	100		(1) 17,545

(1) TOTAL INCLUDES 101 VESSELS OPERATING IN HAWAII. DATA ON TYPE OF CONSTRUCTION IN HAWAII ARE NOT AVAILABLE.

U.S. LANDINGS BY WATERS, FISHERMEN, CRAFT, PLANTS, AND EMPLOYMENT, BY STATES, 1977

STATE	MARINE WATER AND COASTAL RIVERS		LAKES (1)		MISSISSIPPI RIVER AND TRIBUTARIES		TOTAL		FISHERMEN	FISHING CRAFT		PROCESSING AND WHOLESALING		
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS		VESSELS	BOATS	PLANTS	EMPLOYMENT AVERAGE	
													SEASON	YEAR
ALABAMA.....	34,600	36,795	-	-	1,812	511	36,412	37,306	1,976	476	698	93	2,497	1,636
ALASKA.....	674,933	349,198	-	-	-	-	674,933	349,198	19,338	2,650	5,150	199	11,498	(2) 6,800
ARKANSAS.....	-	-	-	-	7,482	2,325	7,482	2,325	2,391	-	2,391	(3) 84	(3) 343	(3) 316
CALIFORNIA.....	855,674	188,883	-	-	-	-	855,674	188,883	22,015	2,677	4,315	205	12,557	9,734
CONNECTICUT.....	5,164	4,407	-	-	-	-	5,164	4,407	858	22	574	9	63	55
DELAWARE.....	2,457	888	-	-	-	-	2,457	888	473	27	249	11	599	436
FLORIDA.....	182,345	99,679	-	-	-	-	182,345	99,679	13,706	2,178	5,643	385	6,235	5,217
GEORGIA.....	13,272	9,099	-	-	-	-	13,272	9,099	1,474	344	553	52	2,148	1,755
HAWAII.....	13,288	10,180	-	-	-	-	13,288	10,180	2,675	101	1,336	(4) 38	(4) 2,108	(4) 1,975
IDAHO.....	-	-	-	-	329	45	329	45	3	-	3	(5) 22	(5) 518	(5) 510
ILLINOIS.....	-	-	222	177	3,474	697	3,696	674	263	3	219	51	908	842
INDIANA.....	-	-	163	106	39	12	202	118	78	2	49	10	83	77
IOWA.....	-	-	-	-	3,730	820	3,730	820	576	-	556	15	180	164
KANSAS.....	-	-	-	-	22	7	22	7	11	-	11	5	313	297
KENTUCKY.....	-	-	-	-	3,085	920	3,085	920	637	-	599	(3)	(3)	(3)
LOUISIANA.....	910,004	136,169	-	-	10,082	2,613	920,086	138,782	13,260	1,930	6,356	250	5,242	3,560
MAINE.....	182,189	62,001	-	-	62,001	-	182,189	62,001	16,748	236	7,782	233	4,252	3,017
MARYLAND.....	62,033	31,429	-	-	-	-	62,033	31,429	20,171	1,155	14,746	(6) 175	(6) 3,914	(6) 2,844
MASSACHUSETTS.....	321,152	115,897	-	-	-	-	321,152	115,897	11,106	575	4,931	209	6,253	5,285
MICHIGAN.....	-	-	11,576	3,233	-	-	11,576	3,233	336	71	110	41	412	361
MINNESOTA.....	-	-	3,013	450	7,418	1,626	10,431	2,076	757	6	547	15	311	200
MISSISSIPPI.....	312,993	25,517	-	-	3,677	879	316,670	26,396	3,544	487	1,946	65	1,913	1,392
MISSOURI.....	-	-	-	-	970	203	970	203	1,941	-	1,073	21	315	289
MONTANA.....	-	-	-	-	674	76	674	76	65	-	11	-	-	-
NEBRASKA.....	-	-	-	-	134	45	134	45	180	-	180	(7) 5	(7) 21	(7) 20
NEW HAMPSHIRE.....	4,327	1,647	-	-	-	-	4,327	1,647	578	27	333	14	479	444
NEW JERSEY.....	178,644	38,480	-	-	-	-	178,644	38,480	3,411	379	1,503	106	2,176	1,816
NEW YORK.....	33,009	30,634	478	211	-	-	33,487	30,845	13,629	193	9,623	268	3,106	2,808
NORTH CAROLINA.....	251,261	28,648	-	-	-	-	251,261	28,648	5,079	648	3,176	220	2,528	1,770
NORTH DAKOTA.....	-	-	-	-	644	87	644	87	10	-	5	(8) 18	(8) 71	(8) 64
OHIO.....	-	-	8,533	2,371	-	-	8,533	2,371	189	31	105	28	557	463
OKLAHOMA.....	-	-	-	-	2,860	1,147	2,860	1,147	151	-	46	(8)	(8)	(8)
OREGON.....	114,884	45,266	-	-	-	-	114,884	45,266	7,249	1,535	2,280	69	3,122	2,039
PENNSYLVANIA.....	-	-	407	246	-	-	407	246	68	11	38	37	1,195	1,025
RHODE ISLAND.....	73,133	23,269	-	-	-	-	73,133	23,269	3,076	217	1,838	32	410	354
SOUTH CAROLINA.....	16,320	9,544	-	-	-	-	16,320	9,544	1,577	317	737	110	995	669
SOUTH DAKOTA.....	-	-	-	-	2,840	314	2,840	314	41	-	16	(8)	(8)	(8)
TENNESSEE.....	-	-	-	-	7,959	2,076	7,959	2,076	984	-	894	(3)	(3)	(3)
TEXAS.....	108,501	134,171	-	-	3,981	922	112,482	135,093	6,780	1,882	1,214	168	4,353	2,694
VIRGINIA.....	609,076	55,596	-	-	-	-	609,076	55,596	7,770	947	4,294	180	5,226	4,041
WASHINGTON.....	163,983	89,374	-	-	-	-	163,983	89,374	9,912	2,258	3,842	122	3,740	2,557
WEST VIRGINIA.....	-	-	-	-	78	24	78	24	19	-	19	-	-	-
WISCONSIN.....	-	-	48,645	3,478	12,990	1,164	61,635	4,642	1,120	96	760	44	460	423
TOTAL.....	5,123,242	1,526,771	73,037	10,272	74,280	16,513	5,270,559	1,553,556	(9) 182,088	(9) 17,545	(9) 89,220	3,609	91,101	67,949

(1) INCLUDES THE LANDINGS OF THE GREAT LAKES, THE INTERNATIONAL LAKES OF MINNESOTA, AND THE INLAND LAKES OF FLORIDA.

(2) DATA ESTIMATED FOR AVERAGE FOR YEAR.

(3) INCLUDES KENTUCKY AND TENNESSEE.

(4) INCLUDES AMERICAN SAMOA.

(5) INCLUDES COLORADO AND UTAH.

(6) INCLUDES DISTRICT OF COLUMBIA.

(7) INCLUDES NEVADA.

(8) INCLUDES OKLAHOMA AND SOUTH DAKOTA.

(9) EXCLUSIVE OF DUPLICATION.

LANDINGS BY REGION, 1977

SPECIES	NEW ENGLAND		MIDDLE ATLANTIC		CHESAPEAKE	
	THOUSAND	THOUSAND	THOUSAND	THOUSAND	THOUSAND	THOUSAND
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ALEWIVES.....	3,812	139	17	2	1,492	59
ANGLERFISH.....	2,754	989	153	30	69	20
BLUEFISH.....	762	136	2,415	379	3,693	248
BONITO.....	126	57	54	15	-	-
BUTTERFISH.....	1,613	451	1,086	320	158	38
CABIO.....	-	-	-	-	2	(1)
CARP.....	1	(1)	85	10	149	4
CATFISH AND BULLHEADS.....	4	(1)	26	7	1,951	383
COD.....	76,269	17,096	629	243	1	(1)
CRAPPIE.....	-	-	1	1	2	(1)
CROAKER, ATLANTIC.....	(1)	(1)	1,488	125	9,293	978
CUNNER.....	-	-	1	(1)	-	-
CUSK.....	2,767	462	1	(1)	-	-
DOLPHINFISH.....	-	-	(1)	(1)	-	-
DRUM:						
BLACK.....	-	-	11	2	19	2
RED.....	-	-	(1)	(1)	(1)	(1)
EELS:						
COMMON.....	537	464	315	138	541	182
CONGER.....	30	5	25	3	-	-
FLOUNDERS.....	88,818	36,661	10,471	5,252	5,308	2,373
GARFISH.....	-	-	-	-	(1)	(1)
GIZZARD SHAD.....	-	-	-	-	17	(1)
GOLDFISH.....	-	-	1	(1)	-	-
HADDOCK.....	28,546	9,318	6	3	-	-
HAKE:						
RED.....	2,518	210	1,340	139	12	1
WHITE.....	11,016	1,409	18	4	-	-
HALIBUT.....	126	171	-	-	-	-
HARVESTFISH.....	-	-	-	-	4	1
HERRING:						
SEA.....	111,479	4,957	90	8	(1)	(1)
HICKORY SHAD.....	-	-	-	-	2	1
KING WHITING OR "KINGFISH".....	-	-	1	(1)	1	(1)
LAUNCE.....	42	16	31	8	-	-
MACKEREL:						
ATLANTIC.....	1,560	356	1,107	144	109	23
KING.....	-	-	1	1	17	7
SPANISH.....	-	-	(1)	(1)	21	4
MULLET.....	-	-	1	(1)	11	1
OCEAN PERCH, ATLANTIC.....	35,022	5,357	3	(1)	-	-
OCEAN POUT.....	1,314	99	1	(1)	-	-
PIGFISH.....	-	-	-	-	(1)	(1)
POLLOCK.....	28,564	4,072	26	4	1	(1)
POMPANO.....	-	-	-	-	(1)	(1)
SALMON, ATLANTIC.....	(1)	(1)	-	-	-	-
SCUP OR PORGY.....	8,506	1,383	9,119	2,003	860	177
SEA BASS, BLACK.....	282	144	1,939	673	2,155	555
SEA ROBIN.....	71	6	64	7	3	(1)
SEA TROUT OR WEAKFISH:						
GRAY.....	349	104	5,261	984	4,549	757
SPOTTED.....	-	-	-	-	4	1
SHAD.....	359	152	394	110	1,547	525
SHARKS:						
GRAYFISH.....	1,751	83	182	28	24	2
UNCLASSIFIED.....	83	6	11	3	99	6
SHEEPSHEAD, SALTWATER.....	-	-	-	-	(1)	(1)
SILVERSIDES.....	-	-	32	12	-	-
SKATES.....	342	42	44	8	5	(1)
SMELT.....	156	66	6	3	-	-
SPADEFISH.....	-	-	-	-	13	2
SPOT.....	-	-	37	7	1,883	390
STRIPED BASS.....	1,354	1,134	948	759	2,648	1,520
STURGEON, COMMON.....	10	2	30	10	7	1
SUCKERS.....	-	-	1	(1)	(1)	(1)
SUNFISH.....	-	-	6	1	7	1
SWELLFISH.....	-	-	8	6	8	2

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GENERAL REVIEW

LANDINGS BY REGION, 1977 - Continued

SPECIES	NEW ENGLAND		MIDDLE ATLANTIC		CHESAPEAKE	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
SWORDFISH	2,901	3,760	218	396	7	11
TAUTOG	81	7	142	16	3	(1)
TILEFISH	966	257	3,624	1,705	-	-
TUNA:						
BLUEFIN	1,711	1,202	99	50	2,177	679
LITTLE	-	-	19	4	(1)	(1)
SKIPJACK	-	-	42	10	-	-
YELLOWFIN	-	-	3	1	-	-
UNCLASSIFIED	1	1	-	-	-	-
TOTAL TUNA	1,712	1,203	163	65	2,177	679
WHITE PERCH	49	20	177	46	636	156
WHITING	33,062	2,820	12,168	1,398	70	5
WOLFFISH	966	86	-	-	-	-
YELLOW PERCH	-	-	3	1	18	4
YELLOW PIKE	-	-	2	(1)	-	-
UNCLASSIFIED	52,871	1,514	98,426	3,493	521,088	20,514
TOTAL FISH	503,551	95,214	152,407	18,572	560,884	29,635
SHELLFISH ET AL.						
CRABS:						
BLUE:						
HARD	-	-	1,265	455	57,337	11,629
SOFT, PEELER	-	-	23	24	1,859	1,995
GREEN	4	1	-	-	-	-
JONAH	799	138	288	84	15	3
RED	7	2	12	6	304	122
ROCK	1,552	163	182	22	-	-
UNCLASSIFIED	2,747	922	-	-	(1)	(1)
TOTAL CRABS	5,109	1,226	1,770	591	59,515	13,739
HORSESHOE CRAB	6	1	402	4	65	3
LOBSTERS, AMERICAN	30,326	54,850	1,346	2,803	101	216
SHRIMP	840	458	-	-	-	-
CLAMS:						
HARD	2,387	4,302	9,636	19,574	1,047	1,353
OCEAN QUAHOG	2,965	842	14,117	4,243	661	196
RAZOR	2	1	4	1	-	-
SOFT	8,413	10,274	119	134	1,654	2,613
SURF	682	456	26,555	12,892	24,184	13,387
TOTAL CLAMS	14,449	15,875	50,431	36,844	27,546	17,549
CONCHS	329	164	170	68	271	100
MUSSELS, SEA	2,541	895	182	89	-	-
OYSTERS, MARKET, EASTERN:						
PUBLIC	45	112	1	2	15,805	16,941
PRIVATE	860	2,018	2,411	4,289	2,209	2,993
TOTAL OYSTERS	905	2,130	2,412	4,291	18,014	19,934
PERIWINKLES AND COCKLES	19	18	-	-	-	-
SCALLOPS:						
BAY	1,044	3,085	199	489	-	-
SEA	17,951	29,721	3,596	5,747	3,627	5,529
TOTAL SCALLOPS	18,995	32,806	3,795	6,236	3,627	5,529
SQUID	4,501	1,018	1,169	498	88	23
SEA URCHINS	57	7	-	-	-	-
TERRAPIN	-	-	-	-	(1)	(1)
TURTLES:						
BABY	-	-	2	(1)	-	-
SNAPPER	-	-	24	6	30	7
IRISH MOSS	3,148	152	-	-	-	-
BLOODWORMS	397	1,314	-	-	-	-
SANDWORMS	792	1,093	-	-	-	-
SHELLFISH, UNCLASSIFIED	-	-	(1)	(1)	968	290
TOTAL SHELLFISH	82,414	112,007	61,703	51,430	110,225	57,390
GRAND TOTAL	585,965	207,221	214,110	70,002	671,109	87,025

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LANDINGS BY REGIONS, 1977 - Continued

SPECIES	SOUTH ATLANTIC		GULF		PACIFIC	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
ALEWIVES.....	8,848	443	1	(1)	-	-
AMBERJACK.....	66	8	131	15	-	-
ANCHOVIES.....	-	-	-	-	223,270	5,131
ANGELFISH.....	4	1	5	(1)	-	-
ANGLERFISH.....	2	(1)	-	-	-	-
ARTIC CHAR.....	-	-	-	-	4	1
BALLYHOO.....	142	53	175	53	-	-
BARRACUDA.....	4	1	(1)	(1)	77	37
BLACKFISH.....	-	-	-	-	32	8
BLUEFISH.....	3,715	430	933	108	-	-
BLUE RUNNER.....	23	3	1,349	164	-	-
BONITO.....	18	1	294	23	22,548	4,358
BOWFIN.....	-	-	29	4	-	-
BUFFALOFISH.....	-	-	769	117	-	-
BUTTERFISH.....	48	8	-	-	-	-
CABEZON.....	-	-	-	-	12	2
CABIO.....	11	4	102	24	-	-
CARP.....	29	(1)	113	12	143	2
CATFISH AND BULLHEADS.....	13,561	4,101	8,487	3,206	9	2
CIGARFISH.....	-	-	903	129	-	-
COD.....	-	-	-	-	10,706	1,704
CREVALLE.....	92	7	1,433	117	-	-
CROAKER, ATLANTIC.....	19,053	2,094	4,375	660	-	-
CROAKER, WHITE.....	-	-	-	-	588	113
DOLPHINFISH.....	72	28	64	21	10	3
DRUM:						
BLACK.....	147	23	2,126	489	-	-
RED.....	130	44	3,452	1,288	-	-
EELS:						
COMMON.....	707	368	-	-	(1)	(1)
MORAY.....	-	-	-	-	(1)	(1)
FLOUNDERS.....	11,420	5,106	1,523	561	53,020	10,658
FLYING FISH.....	-	-	-	-	84	27
GARFISH.....	-	-	377	61	-	-
GIZZARD SHAD.....	220	2	-	-	-	-
GOATFISH.....	103	42	1	1	-	-
GRENADIER.....	-	-	-	-	102	7
GROUNDFISH, UNCLASSIFIED.....	-	-	-	-	618	99
GROUPERS.....	1,295	789	5,264	3,113	8	3
GRUNTS.....	36	6	165	28	-	-
HAKE, PACIFIC.....	-	-	-	-	4,680	126
HALFMOON.....	-	-	-	-	41	15
HALIBUT.....	-	-	-	-	17,310	16,874
HARVESTFISH.....	48	8	-	-	-	-
HERRING:						
SEA.....	-	-	-	-	49,573	5,833
THREAD.....	4,941	183	190	9	-	-
HICKORY SHAD.....	23	3	-	-	-	-
HOGFISH.....	11	7	33	10	-	-
JACK MACKEREL.....	-	-	-	-	104,972	5,074
JEWFISH.....	51	21	222	42	-	-
KING WHITING OR "KINGFISH".....	1,105	256	355	47	-	-
LAMPREY.....	-	-	-	-	2	(1)
LINGCOD.....	-	-	-	-	5,895	1,124
MACKEREL:						
ATLANTIC.....	266	26	-	-	-	-
KING.....	4,171	2,014	5,217	1,769	-	-
PACIFIC.....	-	-	-	-	7,315	336
SPANISH.....	11,035	2,013	2,631	499	-	-
MOJARRA.....	111	13	202	32	-	-
MULLETS.....	5,857	858	21,760	4,112	7	2
OCEAN PERCH, PACIFIC.....	-	-	-	-	5,916	871
OPALEYE.....	-	-	-	-	2	1
PADDLEFISH.....	-	-	(1)	(1)	-	-
PERCH.....	-	-	-	-	230	63
PERMIT.....	16	4	62	22	-	-
PIGFISH.....	19	2	6	1	-	-
POLLOCK.....	-	-	-	-	739	74
POMPANO.....	448	698	937	1,399	56	40
ROCKFISHES.....	-	-	-	-	51,156	8,304
SABLEFISH.....	-	-	-	-	18,533	4,060
SALMON:						
CHINOOK OR KING.....	-	-	-	-	35,310	54,059
CHUM OR KETA.....	-	-	-	-	65,563	32,256
PINK.....	-	-	-	-	143,845	51,768
RED OR SOCKEYE.....	-	-	-	-	101,128	81,642
SILVER OR COHO.....	-	-	-	-	31,439	32,489
UNCLASSIFIED.....	-	-	-	-	9	19
TOTAL SALMON.....	-	-	-	-	377,094	252,233

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GENERAL REVIEW

LANDINGS BY REGIONS, 1977 - Continued

SPECIES	SOUTH ATLANTIC		GULF		PACIFIC	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
SAND PERCH	-	-	-	-	235	66
SARDINE, PACIFIC	-	-	-	-	5	1
SAWFISH	-	-	9	(1)	-	-
SCULPIN	-	-	-	-	117	53
SCUP OR PORGY	574	256	121	37	-	-
SEA BASS:						
BLACK (ATLANTIC)	1,561	666	33	7	-	-
BLACK (PACIFIC)	-	-	-	-	49	23
WHITE	-	-	-	-	1,200	886
SEA CATFISH	49	3	261	32	-	-
SEA TROUT OR WEAKFISH:						
GRAY	8,768	1,071	-	-	-	-
SPOTTED	835	361	4,534	2,318	-	-
WHITE	-	-	752	121	-	-
SHAD	416	247	47	3	381	37
SHARKS:						
GRAYFISH	-	-	-	-	5,870	389
SOUPFIN	-	-	-	-	2	(1)
UNCLASSIFIED	50	6	304	29	1,000	270
SHEEPHEAD:						
FRESHWATER	-	-	130	17	-	-
SALTWATER	260	44	875	94	-	-
SILVERSIDES	-	-	-	-	1	(1)
SKATES	-	-	-	-	443	75
SMELT	-	-	-	-	2,859	334
SNAPPERS:						
LANE	21	13	15	6	-	-
MANGROVE	101	75	625	275	-	-
MUTTON	180	185	189	134	-	-
RED	626	1,046	5,360	5,033	-	-
VERMILION	213	234	480	417	-	-
YELLOWTAIL	46	43	762	669	-	-
UNCLASSIFIED	90	114	-	-	-	-
SPADEFISH	3	(1)	-	-	-	-
SPANISH SARDINES	1	(1)	947	70	-	-
SPOT	5,136	712	72	9	-	-
STEELHEAD TROUT	-	-	-	-	293	254
STRIPED BASS	571	405	-	-	-	-
STURGEON, COMMON	148	32	13	4	461	128
SUCKERS	-	-	-	-	39	9
SWELLFISH	3	1	-	-	-	-
SWORDFISH	113	172	2	2	512	1,269
TENPOUNDER	47	2	1,580	67	-	-
TILAPIA	1,100	154	10	2	-	-
TILEFISH	65	27	97	35	-	-
TOMCOD	-	-	-	-	10	2
TRIGGERFISH	21	5	60	9	-	-
TRIPLETAIL	9	2	7	(1)	-	-
TUNA:						
ALBACORE	-	-	-	-	25,272	13,684
BIGEYE	-	-	-	-	3,340	1,338
BLUEFIN	-	-	-	-	6,942	2,813
LITTLE	-	-	4	(1)	-	-
SKIPJACK	-	-	-	-	84,442	29,284
YELLOWFIN	-	-	-	-	199,474	77,395
TOTAL TUNA	-	-	4	(1)	319,470	124,514
TURBOT	-	-	-	-	438	35
WAHOO	6	3	1	(1)	12	6
WARSAW	21	10	184	63	-	-
WHITEFISH, OCEAN	-	-	-	-	7	1
WHITE PERCH	268	38	-	-	-	-
WHITING	14	1	-	-	-	-
WOLFFISH	-	-	-	-	(1)	(1)
YELLOW PERCH	37	6	-	-	-	-
YELLOWTAIL	-	-	-	-	1,815	381
UNCLASSIFIED	182,839	7,602	1,062,387	41,857	628	65
TOTAL FISH	292,040	33,204	1,143,547	69,446	1,290,605	445,985
SHELLFISH ET AL.						
CRABS:						
BLUE:						
HARD	30,700	6,124	44,328	9,852	-	-
SOFT PEELER	16	17	225	570	-	-
DUNGENESS	-	-	-	-	69,661	31,667
KING	-	-	-	-	98,399	102,029
ROCK	-	-	-	-	1,083	316
SNOW	-	-	-	-	98,463	35,468
STONE	26	25	3,428	3,046	-	-
UNCLASSIFIED	-	-	-	-	2	1
TOTAL CRABS	30,742	6,166	47,981	13,468	267,608	189,479

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LANDINGS BY REGION, 1977 - Continued

SPECIES	SOUTH ATLANTIC		GULF		PACIFIC	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
CRAWFISH, FRESHWATER.....	-	-	572	295	631	313
LOBSTERS:						
SLIPPER.....	-	-	30	56	-	-
SPINY.....	1,501	2,526	4,843	7,899	251	607
SAND SHRIMP.....	-	-	-	-	33	14
SHRIMP.....	18,021	24,347	265,158	297,684	192,433	38,181
ABALONE.....	-	-	-	-	290	1,403
CLAMS:						
COCKLE.....	-	-	-	-	(1)	(1)
GEODUCK.....	-	-	-	-	2,853	1,583
HARD.....	1,064	1,503	-	-	556	494
RAZOR.....	-	-	-	-	164	342
SOFT.....	-	-	-	-	89	97
UNCLASSIFIED.....	-	-	-	-	187	113
TOTAL CLAMS.....	-	-	-	-	3,849	2,629
CONCHS.....	1	1	1	1	-	-
MUSSELS, SEA.....	-	-	-	-	9	19
OCTOPUS.....	2	(1)	-	-	55	16
OYSTERS, MARKET:						
EASTERN:						
PUBLIC.....	279	278	10,491	9,620	-	-
PRIVATE.....	1,582	1,160	9,179	9,407	4	17
PACIFIC.....	-	-	-	-	7,209	10,550
WESTERN.....	-	-	-	-	13	81
TOTAL OYSTERS.....	1,861	1,438	19,670	19,027	7,226	10,648
SCALLOPS:						
BAY.....	257	509	46	58	-	-
CALICO.....	636	503	478	334	-	-
SEA.....	657	954	-	-	22	39
TOTAL SCALLOPS.....	1,550	1,966	524	392	22	39
SQUID.....	45	8	81	21	28,245	1,481
SEA URCHIN.....	-	-	-	-	16,536	1,629
TERRAPIN.....	-	-	(1)	(1)	-	-
TURTLES:						
SNAPPER.....	8	2	10	6	-	-
SOFTSHELL.....	15	3	-	-	-	-
FROGS.....	-	-	6	5	5	7
KELP (WITH HERRING EGGS).....	-	-	-	-	693	173
SPONGES.....	14	78	9	80	-	-
SHELLFISH, UNCLASSIFIED.....	-	-	-	-	983	98
TOTAL SHELLFISH.....	54,824	38,038	338,885	338,934	518,869	226,736
GRAND TOTAL.....	346,864	71,242	1,482,432	408,380	1,809,474	672,721

SPECIES	GREAT LAKES		MISSISSIPPI RIVER AND TRIBUTARIES		HAWAII		TOTAL	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
FISH								
ALEWIVES.....	48,405	761	-	-	-	-	62,575	1,404
AMBERJACK.....	-	-	-	-	52	35	249	58
ANCHOVIES.....	-	-	-	-	(1)	(1)	223,270	5,131
ANGELFISH.....	-	-	-	-	-	-	9	1
ANGLERFISH.....	-	-	-	-	-	-	2,978	1,039
ARTIC CHAR.....	-	-	-	-	-	-	4	1
BALLYHOO.....	-	-	-	-	-	-	317	106
BARRACUDA.....	-	-	-	-	9	7	90	45
BIGEYE SCAD.....	-	-	-	-	672	541	672	541
BLACKFISH.....	-	-	-	-	-	-	32	8
BLUEFISH.....	-	-	-	-	-	-	11,518	1,301
BLUE RUNNER.....	-	-	-	-	-	-	1,372	167
BONEFISH.....	-	-	-	-	24	14	24	14
BONITO.....	-	-	-	-	-	-	23,040	4,454
BOWFIN.....	2	(1)	103	8	-	-	134	12
BROWN TROUT.....	(1)	(1)	301	66	-	-	301	66
BUFFALOFISH.....	75	23	22,445	4,993	-	-	23,289	5,133
BURBOT.....	342	7	46	(1)	-	-	388	7
BUTTERFISH.....	-	-	-	-	-	-	2,905	817
CABEZON.....	-	-	-	-	-	-	12	2
CABIO.....	-	-	-	-	-	-	115	28
CARP.....	4,424	251	19,880	1,342	-	-	24,824	1,621

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GENERAL REVIEW

LANDINGS BY REGION, 1977 - Continued

SPECIES	GREAT LAKES		MISSISSIPPI RIVER AND TRIBUTARIES		HAWAII		TOTAL	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
FISH								
CATFISH AND BULLHEADS	967	395	13,399	5,459	-	-	38,404	13,853
CHUBS	1,364	826	75	2	-	-	1,439	828
CIGARFISH	-	-	-	-	-	-	903	129
COD	-	-	-	-	-	-	87,806	19,043
CRAPPIE	29	18	96	43	-	-	128	82
CREVALLE	-	-	-	-	77	81	1,602	206
CROAKER, ATLANTIC	-	-	-	-	-	-	34,209	3,857
CROAKER, WHITE	-	-	-	-	-	-	588	113
CUNNER	-	-	-	-	-	-	1	(1)
CUSK	-	-	-	-	-	-	2,788	482
DOLPHINFISH	-	-	-	-	125	224	271	276
DRUM:								
BLACK	-	-	-	-	-	-	2,303	518
RED	-	-	-	-	-	-	3,582	1,332
EELS:								
COMMON	-	-	2	(1)	-	-	2,102	1,152
CONGER	-	-	-	-	1	(1)	58	8
MORAY	-	-	-	-	6	2	6	2
FLOUNDERS	-	-	-	-	-	-	170,580	80,611
FLYING FISH	-	-	-	-	-	-	84	27
GARFISH	-	-	805	108	-	-	1,182	169
GIZZARD SHAD	508	8	625	34	-	-	1,370	44
GOATFISH	-	-	-	-	113	135	217	178
GOLDFISH	551	22	-	-	-	-	562	22
GRENADIER	-	-	-	-	-	-	102	7
GROUND FISH, UNCLASSIFIED	-	-	-	-	-	-	618	99
GROUPERS	-	-	-	-	-	-	6,587	3,905
GRUNTS	-	-	-	-	-	-	201	34
HADDOCK	-	-	-	-	-	-	28,552	9,321
HAKE:								
PACIFIC	-	-	-	-	-	-	4,680	128
RED	-	-	-	-	-	-	3,870	360
WHITE	-	-	-	-	-	-	11,034	1,413
HALFMOON	-	-	-	-	-	-	41	15
HALIBUT	-	-	-	-	-	-	17,438	17,045
HARVEST FISH	-	-	-	-	-	-	52	9
HERRING:								
LAKE	323	95	-	-	-	-	323	95
SEA	-	-	-	-	-	-	181,142	10,798
THREAD	-	-	-	-	-	-	5,131	192
HICKORY SHAD	-	-	-	-	-	-	25	4
HOGFISH	-	-	-	-	-	-	44	17
JACK MACKEREL	-	-	-	-	-	-	104,972	5,074
JEW FISH	-	-	-	-	-	-	273	83
KING WHITING OR "KINGFISH"	-	-	-	-	-	-	1,482	303
LAKE TROUT	356	240	-	-	-	-	356	240
LAMPREY	-	-	-	-	-	-	2	(1)
LAUNCE	-	-	-	-	-	-	73	24
LINGCOD	-	-	-	-	-	-	5,895	1,124
MACKEREL:								
ATLANTIC	-	-	-	-	-	-	3,042	549
KING	-	-	-	-	-	-	9,408	3,791
PACIFIC	-	-	-	-	-	-	7,315	336
SPANISH	-	-	-	-	-	-	13,687	2,518
MACKEREL SCAD	-	-	-	-	382	347	382	347
MARLIN	-	-	-	-	373	217	373	217
MINNOWS (HITCH)	12	20	-	-	-	-	12	20
MOJARRA	-	-	-	-	-	-	313	45
MOONEYE OR GOLDEYE	-	-	417	121	-	-	417	121
MULLET	-	-	-	-	21	40	27,657	5,013
OCEAN PERCH:								
ATLANTIC	-	-	-	-	-	-	35,025	5,357
PACIFIC	-	-	-	-	-	-	5,916	871
OCEAN POUT	-	-	-	-	-	-	1,315	98
OPALEYE	-	-	-	-	-	-	2	1
PADDLE FISH	-	-	957	201	-	-	957	201
PERCH	-	-	-	-	-	-	230	83
PERMIT	-	-	-	-	-	-	78	26
PIGFISH	-	-	-	-	-	-	25	3
PIKE OR PICKEREL	124	34	10	4	-	-	134	38
POLLOCK	-	-	-	-	-	-	29,330	4,150
POMPANO	-	-	-	-	-	-	1,441	2,137
QUILLBACK	111	6	270	19	-	-	381	25
ROCK BASS	12	3	-	-	-	-	12	3
ROCKFISHES	-	-	-	-	-	-	51,156	8,304
RUDDER FISH	-	-	-	-	7	4	7	4
SABLE FISH	-	-	-	-	-	-	18,533	4,080

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS BY REGIONS, 1977 - Continued

SPECIES	GREAT LAKES		MISSISSIPPI RIVER AND TRIBUTARIES		HAWAII		TOTAL	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
FISH								
SALMON:								
ATLANTIC.....	-	-	-	-	-	-	(1)	(1)
CHINOOK OR KING.....	-	-	-	-	-	-	35,310	54,059
CHUM OR KETA.....	-	-	-	-	-	-	65,563	32,256
PINK.....	-	-	-	-	-	-	143,645	51,768
RED OR SOCKEYE.....	-	-	-	-	-	-	101,128	81,642
SILVER OR COHO.....	1	1	-	-	-	-	31,440	32,490
UNCLASSIFIED.....	-	-	-	-	-	-	9	19
TOTAL.....	1	1	-	-	-	-	377,095	252,234
SAND PERCH.....								
SARDINE, PACIFIC.....	-	-	-	-	(1)	(1)	235	66
SAUGER.....	25	7	-	-	-	-	5	1
SAWFISH.....	-	-	-	-	-	-	25	7
SCULPIN.....	-	-	-	-	-	-	9	(1)
SCUP OR PORGY.....	-	-	-	-	-	-	117	53
SEA BASS:							19,180	3,856
BLACK (ATLANTIC).....	-	-	-	-	-	-	5,970	2,045
BLACK (PACIFIC).....	-	-	-	-	47	61	96	84
WHITE.....	-	-	-	-	-	-	1,200	886
SEA CATFISH.....	-	-	-	-	-	-	310	35
SEA ROBIN.....	-	-	-	-	-	-	138	13
SEA TROUT OR WEAKFISH:								
GRAY.....	-	-	-	-	-	-	18,927	2,916
SPOTTED.....	-	-	-	-	-	-	5,373	2,680
WHITE.....	-	-	-	-	-	-	752	121
SHAD.....	-	-	1,102	52	-	-	4,246	1,126
SHARKS:								
GRAYFISH.....	-	-	-	-	-	-	7,827	502
SOUPFIN.....	-	-	-	-	-	-	2	(1)
UNCLASSIFIED.....	-	-	-	-	-	-	1,547	320
SHEEPSHEAD.....	-	-	-	-	-	-	6	2
SHEEPSHEAD:								
FRESHWATER.....	842	24	4,757	570	-	-	5,729	611
SALTWATER.....	-	-	-	-	-	-	1,135	138
SILVERSIDES.....	-	-	-	-	-	-	33	12
SKATES.....	-	-	-	-	-	-	834	125
SMELT.....	2,870	162	417	21	-	-	6,308	586
SNAPPERS:								
BLUE LINE.....	-	-	-	-	33	20	33	20
GRAY.....	-	-	-	-	70	100	70	100
LANE.....	-	-	-	-	-	-	36	19
MANGROVE.....	-	-	-	-	-	-	726	350
MUTTON.....	-	-	-	-	-	-	369	319
PINK.....	-	-	-	-	150	237	150	237
RED.....	-	-	-	-	97	227	6,083	6,306
VERMILLION.....	-	-	-	-	-	-	693	651
YELLOWTAIL.....	-	-	-	-	-	-	808	712
UNCLASSIFIED.....	-	-	-	-	-	-	90	114
SPADEFISH.....	-	-	-	-	-	-	16	2
SPANISH SARDINES.....	-	-	-	-	-	-	948	70
SPOT.....	-	-	-	-	2	1	7,130	1,119
SQUIRRELFISH.....	-	-	-	-	44	67	44	67
STEELHEAD TROUT.....	-	-	-	-	-	-	293	254
STRIPED BASS.....	-	-	-	-	-	-	5,521	3,818
STURGEON:								
COMMON.....	-	-	-	-	-	-	669	177
SHOVELNOSE.....	-	-	58	18	-	-	58	18
SUCKERS.....	713	32	1,360	70	-	-	2,113	111
SUNFISH.....	9	3	1	(1)	-	-	23	5
SURGEONFISH.....	-	-	-	-	56	20	56	20
SWELLFISH.....	-	-	-	-	-	-	19	9
SWORDFISH.....	-	-	-	-	41	68	3,792	5,678
TANG.....	-	-	-	-	12	12	12	12
TAUTOG.....	-	-	-	-	-	-	226	23
TENPOUNDER.....	-	-	-	-	3	2	1,630	71
THREADFIN.....	-	-	-	-	2	4	2	4
TILAPIA.....	-	-	-	-	3	5	1,113	161
TILEFISH.....	-	-	-	-	-	-	4,752	2,024
TOMCOD.....	-	-	-	-	-	-	10	2
TRIGGERFISH.....	-	-	-	-	1	(1)	82	14
TRIPLETAIL.....	-	-	-	-	-	-	16	2
TULLIBEE.....	401	32	3	(1)	-	-	404	32
TUNA:								
ALBACORE.....	-	-	-	-	79	73	25,351	13,757
BIGEYE.....	-	-	-	-	530	1,100	3,870	2,438
BLUEFIN.....	-	-	-	-	15	22	10,944	4,766
LITTLE.....	-	-	-	-	75	29	98	33
SKIPJACK.....	-	-	-	-	7,719	3,707	92,203	33,001
YELLOWFIN.....	-	-	-	-	1,930	2,038	201,407	79,434
UNCLASSIFIED.....	-	-	-	-	(1)	(1)	1	1
TOTAL TUNA.....	-	-	-	-	10,348	6,969	333,874	133,430

GENERAL REVIEW

LANDINGS BY REGIONS, 1977 - Continued

SPECIES	GREAT LAKES		MISSISSIPPI RIVER AND TRIBUTARIES		HAWAII		TOTAL	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
FISH								
TURBOT.....	-	-	-	-	-	-	438	35
WAHOO.....	-	-	-	-	189	204	208	213
WARSAW.....	-	-	-	-	-	-	205	73
WHITE AMUR.....	-	-	79	19	-	-	79	19
WHITE BASS.....	1,124	644	62	21	-	-	1,186	665
WHITEFISH:								
COMMON.....	4,758	3,813	80	60	-	-	4,838	3,873
MENOMINEE.....	137	47	-	-	-	-	137	47
OCEAN.....	-	-	-	-	-	-	7	1
WHITE PERCH.....	68	23	11	3	-	-	1,409	288
WHITING.....	-	-	-	-	-	-	45,314	4,224
WOLFFISH.....	-	-	-	-	-	-	966	86
YELLOW BASS.....	-	-	15	4	-	-	15	4
YELLOW PERCH.....	4,150	2,528	673	505	-	-	4,861	3,044
YELLOW PIKE (WALLEYE).....	334	247	580	383	-	-	918	630
YELLOWTAIL.....	-	-	-	-	-	-	1,815	361
UNCLASSIFIED.....	-	-	17	(1)	87	88	(2) 1,918,343	(2) 75,133
TOTAL FISH.....	73,037	10,272	68,646	14,126	13,047	9,732	4,097,764	726,186
SHELLFISH ET AL.								
CRABS:								
BLUE:								
HARD.....	-	-	-	-	-	-	133,630	28,080
SOFT, PEELER.....	-	-	-	-	-	-	2,123	2,596
DUNGENESS.....	-	-	-	-	-	-	66,661	31,667
GREEN.....	-	-	-	-	-	-	4	1
JONAH.....	-	-	-	-	-	-	1,102	225
KING.....	-	-	-	-	-	-	96,399	102,029
RED.....	-	-	-	-	-	-	323	130
ROCK.....	-	-	-	-	-	-	2,817	501
SNOW.....	-	-	-	-	-	-	96,463	35,466
STONE.....	-	-	-	-	-	-	3,454	3,071
UNCLASSIFIED.....	-	-	-	-	49	105	2,798	1,028
TOTAL CRABS.....	-	-	-	-	49	105	412,774	204,774
CRAWFISH, FRESHWATER.....	-	-	1,896	1,023	-	-	3,099	1,831
HORSESHOE CRAB.....	-	-	-	-	-	-	473	6
LOBSTERS:								
AMERICAN.....	-	-	-	-	-	-	31,773	57,669
SLIPPER.....	-	-	-	-	(1)	(1)	30	56
SPINY.....	-	-	-	-	65	189	6,660	11,221
SAND SHRIMP.....	-	-	-	-	-	-	33	14
SHRIMP.....	-	-	9	6	8	28	478,469	360,704
ABALONE.....	-	-	-	-	-	-	290	1,403
CLAMS:								
COCKLE.....	-	-	-	-	-	-	(1)	(1)
GEODUCK.....	-	-	-	-	-	-	2,853	1,583
HARD.....	-	-	-	-	-	-	14,680	27,226
OCEAN QUAHOG.....	-	-	-	-	-	-	17,743	5,281
RAZOR.....	-	-	-	-	-	-	170	344
SOFT.....	-	-	-	-	-	-	10,275	13,118
SURF.....	-	-	-	-	-	-	51,421	26,735
UNCLASSIFIED.....	-	-	-	-	-	-	187	113
TOTAL CLAMS.....	-	-	-	-	-	-	97,339	74,400
CONCHS.....	-	-	-	-	-	-	772	334
LIMPETS.....	-	-	-	-	3	31	3	31
MUSSELS, SEA.....	-	-	-	-	-	-	2,732	1,009
MUSSEL SHELLS.....	-	-	3,619	1,301	-	-	3,619	1,301
OCTOPUS.....	-	-	-	-	18	27	75	43
OYSTERS, MARKET:								
EASTERN:								
PUBLIC.....	-	-	-	-	-	-	26,621	26,953
PRIVATE.....	-	-	-	-	-	-	16,245	19,884
PACIFIC.....	-	-	-	-	-	-	7,209	10,550
WESTERN.....	-	-	-	-	-	-	13	81
TOTAL OYSTERS.....	-	-	-	-	-	-	50,088	57,468
PERIWINKLES AND COCKLES.....	-	-	-	-	-	-	19	19
SCALLOPS:								
BAY.....	-	-	-	-	-	-	1,546	4,141
CALICO.....	-	-	-	-	-	-	1,114	837
SEA.....	-	-	-	-	-	-	25,853	41,990
TOTAL SCALLOPS.....	-	-	-	-	-	-	28,513	46,968

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS BY REGIONS, 1977 - Continued

SPECIES	GREAT LAKES		MISSISSIPPI RIVER AND TRIBUTARIES		HAWAII		TOTAL	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
FISH								
SQUID	-	-	-	-	5	6	34,134	3,055
SEA URCHINS	-	-	-	-	1	1	16,594	1,637
TERRAPIN	-	-	-	-	-	-	(1)	(1)
TREPANG (SEA CUCUMBER)	-	-	-	-	(1)	(1)	(1)	(1)
TURTLES:								
BABY	-	-	-	-	-	-	2	(1)
SLIDER	-	-	7	1	-	-	7	1
SNAPPER	-	-	69	28	-	-	141	49
SOFT-SHELL	-	-	5	1	-	-	20	4
FROGS	-	-	29	27	-	-	40	39
KELP (WITH HERRING EGGS)	-	-	-	-	-	-	693	173
IRISH MOSS	-	-	-	-	-	-	3,148	152
SEAWEED	-	-	-	-	91	60	91	60
SPONGES	-	-	-	-	-	-	23	158
BLOODWORMS	-	-	-	-	-	-	397	1,314
SANDWORMS	-	-	-	-	-	-	792	1,093
SHELLFISH, UNCLASSIFIED	-	-	-	-	1	1	1,952	388
TOTAL SHELLFISH	-	-	5,634	2,387	241	448	1,172,795	827,370
GRAND TOTAL	73,037	10,272	74,280	16,513	13,288	10,180	5,270,559	1,553,556

(1) LESS THAN 500 POUNDS OR \$500.

(2) INCLUDES 1,796,182,000 POUNDS OF MENHADEN VALUED AT \$68,204,000.

NOTE:—LANDINGS ARE SHOWN IN ROUND (LIVE) WEIGHT EXCEPT FOR SHELL MOLLUSKS. CLAMS, CONCHS, LIMPETS, MUSSELS, OYSTERS, AND PERIWINKLES AND COCKLES ARE REPORTED IN WEIGHT OF TOTAL MEATS: ABALONE AND SCALLOPS ARE REPORTED IN WEIGHT OF EDIBLE MEATS.

GENERAL REVIEW

LANDINGS OF CATCH BY GEAR, 1977

GEAR	NEW ENGLAND		MIDDLE ATLANTIC		CHESAPEAKE		SOUTH ATLANTIC	
	THOUSAND	THOUSAND	THOUSAND	THOUSAND	THOUSAND	THOUSAND	THOUSAND	THOUSAND
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
HAUL SEINES.....	1,098	346	1,198	352	2,088	270	22,280	2,979
STOP NETS AND SEINES.....	41,852	2,032	-	-	-	-	-	-
PURSE SEINES.....	76,365	3,078	96,509	3,480	484,107	19,816	175,249	4,819
BAG NETS.....	54	19	-	-	-	-	21	28
BEAM TRAWLS.....	-	-	1,564	154	-	-	-	-
OTTER TRAWLS.....	331,686	78,064	39,981	11,273	10,931	4,167	62,700	37,281
WEIRS.....	3,504	172	-	-	-	-	-	-
POUND NETS.....	1,069	278	4,458	747	70,207	3,558	11,067	1,023
FLOATING TRAPS.....	5,191	985	-	-	-	-	-	-
FYKE AND HOOP NETS.....	5	2	141	32	279	44	201	101
POTS AND TRAPS.....	35,547	54,621	4,197	3,503	47,698	10,183	33,174	9,182
GILL NETS.....	29,275	5,147	2,956	643	12,427	2,739	22,909	5,379
LAMPARA NETS.....	-	-	-	-	-	-	142	53
TRAMMEL NETS.....	-	-	-	-	-	-	53	88
LINES.....	14,422	6,751	5,654	2,844	6,782	1,865	15,071	7,228
DIP NETS.....	3,424	346	16	5	22	18	324	21
CAST NETS.....	-	-	-	-	-	-	855	122
HARPOONS.....	997	1,159	28	38	-	-	-	-
SPEARS.....	12	9	37	18	-	-	29	16
SCRAPES.....	-	-	-	-	959	1,078	-	-
DREDGES.....	24,169	36,405	48,572	30,308	39,776	26,572	735	1,047
TONGS AND RAKES.....	5,626	4,545	8,098	18,191	15,210	16,471	1,538	1,161
HOES AND FORKS.....	11,634	13,212	88	88	-	-	-	-
PICKS.....	-	-	-	-	269	325	-	-
HOOKS, SPONGE.....	-	-	-	-	-	-	15	78
DIVING OUTFITS.....	16	32	-	-	-	-	145	244
BY HAND.....	19	18	635	320	378	319	388	422
TOTAL.....	585,965	207,221	214,110	70,002	671,109	87,025	348,864	71,242

GEAR	GULF		PACIFIC		GREAT LAKES	
	THOUSAND	THOUSAND	THOUSAND	THOUSAND	THOUSAND	THOUSAND
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
HAUL SEINES.....	10,270	1,501	3,659	985	5,986	708
PURSE SEINES.....	987,736	39,386	(1) 872,008	(1) 209,784	-	-
BUTTERFLY NETS.....	10,280	5,968	-	-	-	-
BEAM TRAWLS.....	-	-	3,633	1,070	-	-
OTTER TRAWLS.....	336,777	296,091	325,088	59,310	33,915	588
POUND NETS.....	-	-	56	24	17,882	679
TRAP NETS.....	-	-	-	-	4,417	2,428
FYKE AND HOOP NETS.....	4,368	1,476	-	-	689	289
POTS AND TRAPS.....	53,371	21,386	277,365	172,072	-	-
GILL NETS.....	31,269	7,847	185,479	119,788	9,793	5,528
TRAMMEL NETS.....	7,317	2,931	(2)	(2)	-	-
LINES.....	20,850	12,090	102,252	90,724	174	62
DIP NETS.....	14	25	7,114	407	191	10
BRAIL OR SCOOP NETS.....	-	-	1,442	83	-	-
REEF NETS.....	-	-	665	653	-	-
WHEELS.....	-	-	1,416	350	-	-
CAST NETS.....	152	30	-	-	-	-
HARPOONS.....	-	-	422	1,026	-	-
SPEARS.....	95	47	-	-	-	-
WATER PUMPS.....	-	-	33	14	-	-
DREDGES.....	13,027	13,619	6,574	9,507	-	-
TONGS AND RAKES (4).....	6,690	5,462	-	-	-	-
SHOVELS.....	-	-	744	926	-	-
BRUSH TRAPS.....	153	383	-	-	-	-
FROG GRABS.....	6	5	-	-	-	-
HOOKS, SPONGE.....	8	60	-	-	-	-
DIVING OUTFITS.....	47	71	20,580	4,676	-	-
BY HAND.....	2	2	290	423	-	-
OTHER.....	-	-	654	919	-	-
TOTAL.....	1,482,432	408,380	1,809,474	672,721	73,037	10,272

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS OF CATCH BY GEAR, 1977 - Continued

GEAR	MISSISSIPPI RIVER AND TRIBUTARIES		HAWAII		TOTAL	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
	HAUL SEINES.....	15,998	1,531	39	34	62,574	8,708
STOP NETS AND SEINES.....	-	-	-	-	41,862	2,038
PURSE SEINES.....	-	-	-	-	2,671,874	280,183
BAG NETS.....	-	-	424	331	488	378
BUTTERFLY NETS.....	-	-	-	-	10,280	9,888
BEAM TRAWLS.....	-	-	-	-	5,197	1,224
OTTER TRAWLS.....	749	75	-	-	1,141,807	488,829
WEIRS.....	1	(3)	-	-	3,506	172
POUND NETS.....	(3)	(3)	-	-	104,738	6,308
TRAP NETS.....	1,590	104	-	-	6,007	2,532
FLOATING TRAPS.....	-	-	-	-	5,191	885
FYKE AND HOOP NETS.....	12,411	2,655	-	-	18,084	4,589
POTS AND TRAPS.....	2,460	1,271	180	329	463,980	272,547
SLAT TRAPS.....	42	16	-	-	42	16
GILL NETS.....	16,488	4,027	316	246	310,912	151,324
LAMPARA NETS.....	-	-	-	-	142	53
TRAMMEL NETS.....	13,449	3,063	-	-	20,819	6,052
LINES.....	5,724	2,358	11,990	8,854	182,919	132,574
DIP NETS.....	1,729	95	-	-	12,834	927
BRAIL OR SCOOP NETS.....	-	-	-	-	1,442	83
REEF NETS.....	-	-	-	-	666	663
LIFT NETS.....	-	-	163	176	163	176
WHEELS.....	-	-	-	-	1,416	360
CAST NETS.....	-	-	8	8	1,015	180
HARPOONS.....	-	-	-	-	1,447	2,223
SPEARS.....	-	-	33	47	206	137
SCRAPES.....	-	-	-	-	959	1,078
WATER PUMPS.....	-	-	-	-	33	14
DREDGES.....	-	-	-	-	132,853	117,458
TONGS AND RAKES (4).....	-	-	-	-	37,180	43,836
HOES AND FORKS.....	-	-	-	-	11,722	13,300
SHOVELS.....	-	-	-	-	744	926
PICKS.....	-	-	-	-	269	325
BRUSH TRAPS.....	-	-	-	-	153	383
BRUSH TRAPS.....	415	85	-	-	415	85
CROWFOOT BARS.....	20	19	-	-	26	24
FROG GRABS.....	-	-	-	-	23	138
HOOKS, SPONGE.....	-	-	-	-	21,938	5,281
DIVING OUTFITS.....	1,150	258	-	-	3,748	2,487
BY HAND.....	2,054	958	4	25	-	-
OTHER.....	-	-	131	130	785	1,049
TOTAL.....	74,280	16,513	13,288	10,180	5,270,559	1,553,556

(1) LANDINGS BY SOME HAUL SEINES IN ALASKA AND BY LAMPARA NETS IN CALIFORNIA HAVE BEEN INCLUDED WITH PURSE SEINES

(2) LANDINGS BY TRAMMEL NETS IN CALIFORNIA HAVE BEEN INCLUDED WITH GILL NETS

(3) LESS THAN 500 POUNDS OR \$500.

(4) INCLUDES LANDINGS OF OYSTER GRABS.

GENERAL REVIEW

LANDINGS BY U.S. FISHING CRAFT, BY DISTANCE CAUGHT OFF U.S. SHORES
AND CAUGHT IN INTERNATIONAL WATERS, 1977 (1)

SPECIES	DISTANCE CAUGHT OFF U.S. SHORES				INTERNATIONAL WATERS (INCLUDES CATCH OFF FOREIGN COASTS)		TOTAL	
	0 TO 3 MILES (2)		3 TO 200 MILES		THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS				
ALEWIVES	62,543	1,403	32	1	-	-	62,575	1,404
ANCHOVIES	11,073	1,824	212,197	3,307	-	-	223,270	5,131
BLUEFISH	9,168	1,026	2,350	275	-	-	11,518	1,301
BONITO	2,589	506	8,958	1,726	11,493	2,222	23,040	4,454
BUTTERFISH	845	274	2,060	543	-	-	2,905	817
COD	8,364	1,765	74,152	16,286	5,089	992	87,605	19,043
CROAKER, ATLANTIC	24,275	2,607	9,934	1,250	-	-	34,209	3,857
CUSK	247	40	2,439	409	82	13	2,768	462
FLOUNDERS:								
ATLANTIC AND GULF:								
BLACKBACK	3,937	1,089	17,329	6,388	25	8	21,291	7,485
FLUKE	4,116	2,447	15,479	7,746	-	-	19,595	10,193
YELLOWTAIL	1,291	588	35,233	16,526	29	12	36,553	17,126
OTHER	6,605	2,764	33,385	12,337	111	48	40,101	15,149
PACIFIC	10,097	2,149	40,282	8,036	2,641	473	53,020	10,658
TOTAL FLOUNDERS	26,046	9,037	141,708	51,033	2,806	541	170,560	60,611
GROUPERS	722	427	5,577	3,323	268	155	6,567	3,905
HADDOCK	250	82	24,636	8,044	3,666	1,195	28,552	9,321
HAKE:								
PACIFIC (WHITING)	3,549	72	1,131	54	-	-	4,680	126
RED	483	40	3,379	309	8	1	3,870	350
WHITE	810	79	9,933	1,294	291	40	11,034	1,413
HALIBUT	2,216	2,221	15,213	14,815	7	9	17,436	17,045
HERRING, SEA	149,285	10,300	11,857	498	-	-	161,142	10,798
JACK MACKEREL	11,634	562	93,338	4,512	-	-	104,972	5,074
LINGCOD	453	90	3,773	735	1,669	299	5,895	1,124
MACKEREL:								
ATLANTIC	1,924	403	1,118	146	-	-	3,042	549
KING	2,449	1,092	6,957	2,699	-	-	9,406	3,791
PACIFIC	136	6	7,179	330	-	-	7,315	336
SPANISH	7,994	1,469	5,693	1,047	-	-	13,687	2,516
MENHADEN	1,616,564	61,384	179,618	6,820	-	-	1,796,182	68,204
MULLET	27,641	5,010	9	1	7	2	27,657	5,013
OCEAN PERCH:								
ATLANTIC	23	2	28,662	4,367	6,340	988	35,025	5,357
PACIFIC	36	6	4,003	597	1,877	268	5,916	871
POLLOCK	1,565	154	26,893	3,850	872	146	29,330	4,150
ROCKFISHES	3,956	673	38,138	6,377	9,062	1,254	51,156	8,304
SABLEFISH	4,045	1,441	14,210	2,521	278	98	18,533	4,080
SALMON, PACIFIC:								
CHINOOK OR KING	25,548	34,271	9,762	19,788	-	-	35,310	54,059
CHUM OR KETA	65,563	32,256	-	-	-	-	65,563	32,256
PINK	143,645	51,768	-	-	-	-	143,645	51,768
RED OR SOCKEYE	101,128	81,642	-	-	-	-	101,128	81,642
SILVER OR COHO	21,862	21,693	9,516	10,732	62	65	31,440	32,490
UNCLASSIFIED	9	19	-	-	-	-	9	19
TOTAL SALMON	357,755	221,649	19,278	30,520	62	65	377,095	252,234
SCUP OR PORGY	8,964	1,754	10,216	2,102	-	-	19,180	3,856
SEA BASS:								
BLACK	497	279	5,569	1,850	-	-	6,088	2,129
WHITE	219	162	81	59	900	665	1,200	888

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

GENERAL REVIEW

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LANDINGS BY U.S. FISHING CRAFT, BY DISTANCE CAUGHT OFF U.S. SHORES AND CAUGHT IN INTERNATIONAL WATERS, 1977 (1) - Continued

SPECIES	DISTANCE CAUGHT OFF U.S. SHORES				INTERNATIONAL WATERS (INCLUDES CATCH OFF FOREIGN COASTS)		TOTAL	
	0 TO 3 MILES (2)		3 TO 200 MILES		THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS				
FISH - CONTINUED								
SEA TROUT:								
GRAY.....	13,829	2,199	5,298	717	-	-	18,927	2,916
SPOTTED.....	5,356	2,671	17	9	-	-	5,373	2,680
WHITE.....	298	60	454	61	-	-	752	121
SHARKS:								
GRAYFISH.....	5,618	388	2,155	111	54	3	7,827	502
UNCLASSIFIED.....	659	132	798	164	90	24	1,547	320
SNAPPER:								
RED.....	63	102	5,640	5,929	380	275	6,083	6,306
OTHER.....	957	605	1,959	1,863	59	54	2,975	2,522
STRIPED BASS.....	5,151	3,521	370	297	-	-	5,521	3,818
SWORDFISH.....	45	78	3,250	5,008	497	592	3,792	5,678
TILEFISH.....	11	2	4,741	2,022	-	-	4,752	2,024
TUNA:								
ALBACORE.....	51	56	15,278	7,790	10,026	5,913	25,355	13,759
BIGEYE.....	-	-	830	1,220	3,040	1,218	3,870	2,438
BLUEFIN.....	24	27	5,148	2,400	6,206	2,511	11,378	4,938
LITTLE.....	55	17	43	16	-	-	98	33
SKPJACK.....	83	39	7,684	3,680	124,108	42,790	131,875	46,509
YELLOWFIN.....	193	203	1,740	1,836	283,030	109,564	284,963	111,603
UNCLASSIFIED.....	-	-	-	-	1	1	1	1
TOTAL TUNA.....	406	342	30,723	16,942	426,411	161,997	457,540	179,281
TURBOT.....	-	-	438	35	-	-	438	35
WHITING.....	3,927	429	41,357	3,790	30	5	45,314	4,224
WOLFFISH.....	29	2	865	76	72	8	966	86
FISH, OTHER.....	227,248	47,743	68,826	5,256	161	33	296,235	53,032
TOTAL FISH.....	2,611,717	366,113	1,137,182	213,980	472,531	171,944	4,221,430	772,037
SHELLFISH ET AL.								
CRABS:								
BLUE, HARD.....	131,833	27,674	1,797	386	-	-	133,830	28,060
DUNGENESS.....	57,280	25,887	12,381	5,780	-	-	69,661	31,667
KING.....	19,680	20,405	78,719	81,624	-	-	98,399	102,029
SNOW (TANNER).....	19,693	7,094	78,770	28,372	-	-	98,463	35,466
OTHER.....	5,319	3,929	7,302	3,623	-	-	12,621	7,552
TOTAL CRAB.....	233,805	84,989	178,969	119,785	-	-	412,774	204,774
LOBSTERS:								
AMERICAN.....	25,394	45,191	6,379	12,678	-	-	31,773	57,869
SPINY.....	2,297	3,978	3,600	5,956	763	1,287	6,660	11,221
SHRIMP.....	228,740	109,358	242,734	242,832	20,355	35,394	491,829	387,584
CLAMS:								
HARD.....	14,690	27,226	-	-	-	-	14,690	27,226
OCEAN QUAHOG.....	2,509	711	15,234	4,570	-	-	17,743	5,281
SOFT.....	10,275	13,118	-	-	-	-	10,275	13,118
SURF.....	8,267	3,050	43,154	23,685	-	-	51,421	26,735
OTHER.....	3,210	2,040	-	-	-	-	3,210	2,040
TOTAL.....	38,951	46,145	58,388	28,255	-	-	97,339	74,400
OYSTERS.....	49,253	56,829	835	839	-	-	50,088	57,468
SCALLOPS:								
BAY.....	1,546	4,141	-	-	-	-	1,546	4,141
CALICO.....	-	-	1,114	837	-	-	1,114	837
SEA.....	795	1,431	25,058	40,559	-	-	25,853	41,990
SQUID.....	28,706	2,085	5,419	969	9	1	34,134	3,055
SHELLFISH, OTHER.....	33,792	10,512	1,253	399	-	-	35,045	10,911
TOTAL SHELLFISH ET AL.....	643,279	364,659	523,749	452,909	21,127	36,682	1,188,155	854,250
GRAND TOTAL.....	3,254,996	750,772	1,660,931	666,889	493,658	208,626	5,409,585	1,626,287

(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).
(2) INCLUDES LANDINGS FROM THE GREAT LAKES AND OTHER INLAND WATERS.
NOTE—DATA ARE PRELIMINARY. 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" TABLE ON PAGE 1. DATA DO NOT INCLUDE AQUACULTURE PRODUCTS, EXCEPT OYSTERS AND CLAMS.

GENERAL REVIEW

LANDINGS USED FOR HUMAN FOOD AND INDUSTRIAL PRODUCTS, 1977

ITEM	NEW ENGLAND		MIDDLE ATLANTIC		CHEBAPEAKE	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
FOR HUMAN FOOD, TOTAL.....	523,479	201,317	112,062	65,832	147,049	66,000
FOR INDUSTRIAL PRODUCTS:						
ANIMAL FOOD, FRESH AND FROZEN.....	-	-	3	1	-	-
BAIT, FRESH AND FROZEN.....	9,001	3,016	5,290	815	32,673	1,319
CANNED ANIMAL FOOD.....	-	-	-	-	3,107	70
REDUCTION TO MEAL, OIL, AND SOLUBLES.....	50,312	2,735	96,106	3,353	486,280	19,636
OTHER.....	3,173	153	19	1	-	-
TOTAL.....	62,486	5,904	101,418	4,170	524,060	21,025
GRAND TOTAL.....	585,965	207,221	214,110	70,002	671,109	67,025
ITEM	SOUTH ATLANTIC		GULF		PACIFIC (1)	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
FOR HUMAN FOOD, TOTAL.....	159,601	64,453	410,376	364,650	1,510,080	654,084
FOR INDUSTRIAL PRODUCTS:						
ANIMAL FOOD, FRESH AND FROZEN.....	-	-	3,485	102	2,138	57
BAIT, FRESH AND FROZEN.....	6,582	1,825	11,600	1,984	34,993	15,469
CANNED ANIMAL FOOD.....	-	-	67,215	2,103	41,759	6,343
REDUCTION TO MEAL, OIL, AND SOLUBLES.....	180,667	4,666	969,746	39,252	233,777	4,941
OTHER.....	14	78	10	89	5	8
TOTAL.....	187,263	6,789	1,072,056	43,530	312,672	28,817
GRAND TOTAL.....	346,864	71,242	1,482,432	408,380	1,822,762	682,901
ITEM	GREAT LAKES		MISSISSIPPI RIVER AND TRIBUTARIES		TOTAL	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
FOR HUMAN FOOD, TOTAL.....	25,086	9,513	63,120	15,573	2,951,463	1,441,622
FOR INDUSTRIAL PRODUCTS:						
ANIMAL FOOD, FRESH AND FROZEN.....	35,365	545	362	7	41,343	712
BAIT, FRESH AND FROZEN.....	13	20	668	46	101,020	24,463
CANNED ANIMAL FOOD.....	10,925	169	-	-	123,006	10,665
REDUCTION TO MEAL, OIL, AND SOLUBLES.....	1,648	25	5,748	86	2,046,284	74,914
OTHER.....	-	-	4,192	601	7,413	1,130
TOTAL.....	47,951	759	11,180	940	2,319,086	111,634
GRAND TOTAL.....	73,037	10,272	74,280	16,513	5,270,559	1,553,556

(1) INCLUDES HAWAII.

LANDINGS USED FOR INDUSTRIAL PRODUCTS, BY REGIONS, 1977

SPECIES	NEW ENGLAND	MIDDLE ATLANTIC	CHESEA-PEAKE	SOUTH ATLANTIC	GULF	PACIFIC (1)	GREAT LAKES	MISSISSIPPI RIVER	TOTAL
FISH									
THOUSAND POUNDS									
ALEWIVES.....	3,349	-	1,088	2,573	1	-	47,839	-	64,839
ANCHOVIES.....	-	-	-	-	-	235,846	-	-	235,846
BALLYHOO.....	-	-	-	91	82	-	-	-	173
BLUE RUNNER.....	-	-	-	22	753	3	-	-	778
BONITO.....	-	-	-	-	-	1,885	-	-	1,885
BUTTERFISH.....	-	300	-	-	-	-	-	-	300
CARP.....	-	-	-	-	-	-	-	6,916	6,916
CHUBS.....	-	-	-	-	-	-	-	1	1
CIGARFISH.....	-	-	-	-	1,205	-	-	-	1,205
COD.....	-	-	-	-	-	18	-	-	18
CREVALLE.....	-	-	-	96	602	-	-	-	698
CROAKER:									
ATLANTIC.....	-	-	-	-	37,216	-	-	-	37,216
WHITE.....	-	-	-	-	-	34	-	-	34
CUTLASSFISH (SILVER EELS).....	-	-	-	-	8,345	-	-	-	8,345
DRUM, BLACK.....	-	-	-	-	73	-	-	-	73
EELS, COMMON.....	-	45	70	-	-	-	-	-	115
FLOUNDERS.....	1,058	-	-	-	-	920	-	-	1,978
FLYING FISH.....	-	-	-	-	-	89	-	-	89
GIZZARD SHAD.....	-	-	9	221	-	-	-	625	855
HAKE:									
PACIFIC.....	-	-	-	-	-	3,407	-	-	3,407
RED.....	2,433	-	-	-	-	-	-	-	2,433
HALIBUT.....	-	-	-	-	-	1	-	-	1
HERRING:									
SEA:									
ATLANTIC.....	590	90	-	-	-	-	-	-	680
PACIFIC.....	-	-	-	-	-	22,976	-	-	22,976
THREAD.....	-	-	-	4,982	200	-	-	-	5,182
HICKORY SHAD.....	-	-	1	-	-	-	-	-	1
JACK MACKEREL.....	-	-	-	-	-	35,879	-	-	35,879
LAUNCE.....	-	32	-	-	-	-	-	-	32
LINGCOD.....	-	-	-	-	-	2	-	-	2
MACKEREL:									
ATLANTIC.....	252	309	-	-	-	-	-	-	561
PACIFIC.....	-	-	-	-	-	3,319	-	-	3,319
MINNOWS (HITCH).....	-	-	-	-	-	-	12	-	12
MULLET.....	-	-	-	177	784	-	-	-	961
OCEAN PERCH:									
ATLANTIC.....	60	-	-	-	-	-	-	-	60
PACIFIC.....	-	-	-	-	-	7	-	-	7
OCEAN POUT.....	4,574	-	-	-	-	-	-	-	4,574
POLLOCK.....	-	-	-	-	-	5	-	-	5
RATFISH.....	-	-	-	-	-	10	-	-	10
ROCKFISHES.....	-	-	-	-	-	20	-	-	20
SABLEFISH.....	-	-	-	-	-	43	-	-	43
SEA CATFISH.....	-	-	-	-	1,329	-	-	-	1,329
SEA ROBIN.....	1,661	30	2	-	-	-	-	-	1,693
SEA TROUT OR WEAKFISH,									
WHITE.....	-	-	-	-	3,010	-	-	-	3,010
SHEEPSHEAD.....	-	-	-	-	20	-	-	-	20
SHARKS, UNCLASSIFIED.....	-	-	-	12	50	15	-	-	77
SILVERSIDES.....	-	18	-	-	-	-	-	-	18
SKATES.....	1,815	-	-	-	-	168	-	-	1,983
SPANISH SARDINES.....	-	-	-	-	1,204	-	-	-	1,204
SPOT.....	-	-	-	-	12,706	-	-	-	12,706
SUCKERS.....	-	-	-	-	-	10	-	75	85
TENPOUNDER.....	-	-	-	8	1,205	-	-	-	1,213
TOMCOD.....	-	-	-	-	-	3	-	-	3
TUNA, SKIPJACK.....	-	-	-	-	-	845	-	-	845
TURBOT.....	-	-	-	-	-	10	-	-	10
WHITING.....	1,045	-	-	-	-	-	-	-	1,045
UNCLASSIFIED.....	40,872	96,753	522,537	178,431	1,002,199	1,806	-	-	1,844,598
TOTAL FISH.....	57,709	99,577	523,687	186,613	1,070,964	307,101	47,951	7,617	2,301,219
SHELLFISH ET AL.									
CRABS:									
BLUE, SOFT AND PEELER.....	-	-	324	-	-	-	-	-	324
UNCLASSIFIED.....	-	1,176	-	-	-	-	-	-	1,176
HORSESHOE CRABS.....	-	401	16	-	-	-	-	-	417
SAND SHRIMP.....	-	-	-	-	-	15	-	-	15
SHRIMP.....	-	-	-	602	1,063	1	-	-	1,666
CLAMS:									
RAZOR.....	-	-	-	-	-	5	-	-	5
SURF.....	-	-	-	-	-	612	-	-	612

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

GENERAL REVIEW

LANDINGS USED FOR INDUSTRIAL PRODUCTS, BY REGIONS, 1977 - Continued

SPECIES	NEW ENGLAND	MIDDLE ATLANTIC	CHESA-PEAKE	SOUTH ATLANTIC	GULF	PACIFIC (1)	GREAT LAKES	MISSISSIPPI RIVER	TOTAL
THOUSAND POUNDS									
SHELLFISH ET AL - CONTD									
MUSSELS, SEA		45							45
MUSSEL SHELLS, FRESHWATER								2,643	2,643
SQUID	460	219	33	34		4,836			5,582
FROGS						3			3
IRISH MOSS	3,173			14					3,187
SPONGES					9				9
BLOODWORMS	400								400
SANDWORMS	744								744
TOTAL SHELLFISH ET AL	4,777	1,841	373	850	1,082	5,571		2,643	17,847
GRAND TOTAL	62,486	101,418	524,080	187,263	1,072,066	312,872	47,961	11,180	2,319,686

(1) INCLUDES HAWAII.

NOTE:—PARTLY ESTIMATED LANDINGS OF CERTAIN SPECIES AS SHOWN IN THIS TABLE EXCEED THE TABULATION ON LANDINGS BY REGION IN THAT TABLE. THE EXTRA AMOUNTS ARE INCLUDED WITH UNCLASSIFIED FISH

LANDINGS USED FOR INDUSTRIAL PRODUCTS, BY COMMODITY, 1977

SPECIES	ANIMAL FOOD, FRESH AND FROZEN	BAIT, FRESH AND FROZEN	CANNED ANIMAL FOOD	FOR REDUCTION	OTHER	TOTAL
THOUSAND POUNDS						
FISH						
ALEWIVES	15,988	7,183	14,278	17,473		54,922
ANCHOVIES	62	14,008	202	221,574		235,846
BALLYHOO		778				778
BLUE RUNNER		386				386
BONITO		300	1,287			1,587
BUTTERFISH		300				300
CARP	295			6,821		7,116
CHUBS	1					1
CIGARFISH		1,205				1,205
COD	7			11		18
CREVALLE		688				688
CROAKER						
ATLANTIC	2,385	1,350	33,481			37,216
WHITE						
CUTLASSFISH (SILVER EEL)		286	7,808	173		8,267
DRUM, BLACK		73				73
EELS, COMMON		115				115
FLOUNDERS	850	199	688	480		1,817
FLYING FISH		89				89
GIZZARD SHAD		855				855
HAKE						
PACIFIC	1,140		43	2,224		3,407
RED		80		2,373		2,453
HALIBUT	1					1
HERRING:						
SEA:						
ATLANTIC		55	625			680
PACIFIC	15	22,840	21			22,876
THREAD		53		5,128		5,181
HICKORY SHAD		1				1
JACK MACKEREL	1,435		34,444			35,879
LAUNCE		32				32
LINGCOD			2			2
MACKEREL:						
ATLANTIC		581				581
PACIFIC	125		3,184			3,309
MINNOWS (HITCH)		12				12
MULLET		148		786		934
OCEAN PERCH:						
ATLANTIC				60		60
PACIFIC				7		7
OCEAN POUT				4,574		4,574
POLLOCK		5				5
RATFISH				10		10
ROCKFISHES	2		18			20
SABLEFISH	3			40		43
SEA CATFISH			1,329			1,329
SEA ROBIN		74		1,819		1,893

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS USED FOR INDUSTRIAL PRODUCTS, BY COMMODITY, 1977 - Continued

SPECIES	ANIMAL FOOD, FRESH AND FROZEN	BAIT FRESH AND FROZEN	CANNED ANIMAL FOOD	FOR REDUCTION	OTHER	TOTAL
FISH - CONTD.						
	THOUSAND POUNDS					
SEA TROUT OR WEAKFISH, WHITE	-	-	2,822	88	-	3,010
SHEEPSHEAD	-	-	20	-	-	20
SHARKS, UNCLASSIFIED	-	80	-	17	-	77
SILVERSIDES	-	18	-	-	-	18
SKATES	23	70	-	1,880	-	1,983
SPANISH BARDINES	-	1,204	-	-	-	1,204
SPOT	452	552	11,812	90	-	12,708
SUCKERS	85	-	-	-	-	85
TENPOUNDER	-	1,213	-	-	-	1,213
TOMCOD	3	-	-	-	-	3
TUNA, SKIPJACK	-	-	845	-	-	845
TURBOT	10	-	-	-	-	10
WHITING	-	-	-	1,045	-	1,045
UNCLASSIFIED	17,565	38,869	10,128	1,779,585	871	(1) 1,844,588
TOTAL FISH	40,245	91,425	123,008	2,046,872	871	2,301,219
SHELLFISH ET AL.						
CRABS:						
BLUE, SOFT AND PEELER	-	324	-	-	-	324
UNCLASSIFIED	-	1,178	-	-	-	1,178
HORSESHOE CRABS	-	5	-	412	-	417
SAND SHRIMP	-	15	-	-	-	15
SHRIMP	534	1,152	-	-	-	1,686
CLAMS:						
RAZOR	-	5	-	-	-	5
SURF	22	580	-	-	-	612
MUSSELS, SEA	-	45	-	-	-	45
MUSSEL SHELLS, FRESHWATER	-	-	-	-	3,543	3,543
SQUID	542	5,139	-	-	-	5,681
FROGS	-	-	-	-	3	3
IRISH MOSS	-	-	-	-	3,187	3,187
SPONGES	-	-	-	-	9	9
BLOODWORMS	-	400	-	-	-	400
SANDWORMS	-	744	-	-	-	744
TOTAL SHELLFISH ET AL.	1,098	9,586	-	412	6,742	17,847
GRAND TOTAL	41,343	101,020	123,008	2,046,284	7,413	2,319,088

NOTE:—PARTLY ESTIMATED. LANDINGS OF CERTAIN SPECIES AS SHOWN IN THIS TABLE EXCEEDED THE TABLE ON LANDINGS BY REGION TABLE IN THAT TABLE THE EXTRA AMOUNTS ARE INCLUDED WITH UNCLASSIFIED FISH

MONTHLY LANDINGS AND UTILIZATION OF FISH AND SHELLFISH, 1977

MONTH	LANDINGS FOR HUMAN FOOD		LANDINGS FOR INDUSTRIAL PRODUCTS (1)		TOTAL	
	MILLION POUNDS	PERCENT	MILLION POUNDS	PERCENT	MILLION POUNDS	PERCENT
	JANUARY	116	3.9	82	2.7	178	3.4
FEBRUARY	131	4.4	11	5	142	2.7
MARCH	233	7.9	34	1.5	267	5.1
APRIL	210	7.1	128	5.5	338	6.4
MAY	284	9.0	237	10.2	501	9.5
JUNE	278	9.4	420	18.1	698	13.2
JULY	352	11.9	388	17.1	748	14.2
AUGUST	425	14.4	340	14.7	785	14.5
SEPTEMBER	327	11.1	328	14.1	655	12.4
OCTOBER	280	8.8	145	6.2	405	7.7
NOVEMBER	200	6.8	107	4.6	307	5.8
DECEMBER	156	5.3	111	4.8	287	5.1
TOTAL	2,952	100.0	2,319	100.0	5,271	100.0

(1) USED FOR MEAL, OIL, SOLUBLES, BAIT, ANIMAL FOOD, AND OTHER NONHUMAN FOOD PRODUCTS

GENERAL REVIEW

RELATIVE VOLUME OF THE LANDINGS, BY SPECIES, 1977

SPECIES	QUANTITY	PERCENT OF TOTAL	RECORD LANDINGS AND YEAR	
	THOUSAND POUNDS		PERCENT	YEAR	THOUSAND POUNDS
MENHADEN	1,796,182	34.1	1962	2,347,944
SHRIMP	476,469	9.0	1977	476,469
CRABS	412,774	7.8	1977	412,774
SALMON	377,095	7.2	1936	643,700
TUNA	333,874	6.3	1976	480,567
ANCHOVIES	223,270	4.2	1975	329,366
FLOUNDERS	170,560	3.2	1966	180,121
HERRING, SEA:				
ATLANTIC	111,569	2.1	1902	200,589
PACIFIC	49,573	1.0	1937	329,366
TOTAL HERRING, SEA	161,142	3.1	-	-
JACK MACKEREL	104,972	2.0	1952	146,622
CLAMS	97,339	1.9	1974	121,693
COD:				
ATLANTIC	76,899	1.5	1880	294,361
PACIFIC	10,706	.2	1915	32,661
TOTAL COD	87,605	1.7	-	-
ALEWIVES	62,575	1.2	1967	101,127
ROCKFISHES	51,156	1.0	1945	57,688
OYSTERS	50,088	1.0	(1) 1906	152,046
WHITING	45,314	.9	1957	133,041
OCEAN PERCH:				
ATLANTIC	35,025	.7	1951	256,320
PACIFIC	5,916	.1	1965	28,362
TOTAL OCEAN PERCH	40,941	.8	-	-
CATFISH AND BULLHEADS	38,404	.7	1971	39,363
CROAKER, ATLANTIC	34,209	.7	1945	64,668
SQUID	34,134	.6	1946	40,266
MACKEREL	33,450	.6	(2)	(2)
LOBSTER, AMERICAN	31,773	.6	1970	34,152
POLLOCK	29,330	.6	1936	40,694
HADDOCK	28,552	.5	1929	293,609
MULLET	27,657	.5	1902	43,365
SCALLOPS, SEA	25,853	.5	1961	27,461
CARP	24,824	.5	1906	43,659
BUFFALOFISHES	23,289	.4	1973	26,110
BONITO	23,040	.4	1975	32,199
SCUP OR PORGY	19,180	.4	1980	49,229
SEA TROUT OR WEAKFISH, GRAY	18,927	.4	1946	41,420
SABLEFISH	18,533	.4	1975	19,276
HALIBUT	17,436	.3	1915	66,696
SEA URCHINS	16,594	.3	1977	16,594
BLUEFISH	11,518	.2	(2)	(2)
HAKE, WHITE	11,034	.2	1898	39,624
SHARKS, GRAYFISH	7,827	.1	1977	7,827
SPOT	7,130	.1	1952	15,663
LOBSTER, SPINY	6,660	.1	1972	12,215
GROUPERS	6,567	.1	1985	9,570
SNAPPERS, RED	6,083	.1	1902	23,457
SEA BASS, BLACK (ATLANTIC)	5,970	.1	1952	21,997
LINGCOD	5,895	.1	1944	14,292
SHEEPSHEAD, FRESHWATER	5,729	.1	1959	13,644
STRIPED BASS	5,521	.1	1973	14,779
SEA TROUT OR WEAKFISH, SPOTTED	5,373	.1	1936	8,600
HERRING, THREAD	5,131	.1	1972	22,312
ALL OTHER	243,580	4.7	-	-
TOTAL	5,270,559	100.0	-	-

(1) FIRST YEAR IN WHICH AN OYSTER SURVEY WAS MADE IN ALL REGIONS.

(2) DATA NOT AVAILABLE.

RELATIVE VALUE OF THE LANDINGS, BY SPECIES, 1977

SPECIES	VALUE	PERCENT OF TOTAL	RECORD VALUE AND YEAR	
	THOUSAND DOLLARS		PERCENT	YEAR	THOUSAND DOLLARS
SHRIMP.....	360,704	23.2	1977	360,704
SALMON.....	252,234	16.2	1977	252,234
CRABS.....	204,774	13.2	1977	204,774
TUNA.....	133,430	8.6	1976	151,406
MENHADEN.....	68,204	4.4	1973	75,120
CLAMS.....	74,400	4.8	1977	74,400
FLOUNDERS.....	60,611	3.9	1977	60,611
LOBSTERS, AMERICAN.....	57,869	3.7	1977	57,869
OYSTERS.....	57,468	3.7	1977	57,468
SCALLOPS, SEA.....	41,990	2.7	1977	41,990
COD:				
ATLANTIC.....	17,339	1.1	1977	17,339
PACIFIC.....	1,704	.1	1977	1,704
TOTAL COD.....	19,043	1.2	-	-
HALIBUT.....	17,045	1.1	1976	21,984
CATFISH AND BULLHEADS.....	13,553	.9	1977	13,553
LOBSTER, SPINY.....	11,221	.7	1974	13,766
HERRING, SEA:				
ATLANTIC.....	4,965	.3	1977	4,965
PACIFIC.....	5,833	.4	1977	5,833
TOTAL HERRING, SEA.....	10,798	.7	-	-
HADDOCK.....	9,321	.6	1966	13,943
MACKERELS.....	7,192	.5	(1)	(1)
SNAPPERS, RED.....	6,306	.4	1976	6,894
SWORDFISH.....	5,678	.4	1975	7,231
OCEAN PERCH:				
ATLANTIC.....	5,357	.3	1951	12,597
PACIFIC.....	871	.1	1977	871
TOTAL OCEAN PERCH.....	6,228	.4	-	-
BUFFALOFISH.....	5,133	.3	1974	5,246
ANCHOVIES.....	5,131	.3	1974	14,735
JACK MACKEREL.....	5,074	.3	1977	5,074
MULLET.....	5,013	.3	1977	5,013
BONITO.....	4,454	.3	1977	4,454
WHITING.....	4,224	.3	1977	4,224
POLLOCK.....	4,150	.3	1977	4,150
SCALLOPS, BAY.....	4,141	.3	1977	4,141
SABLEFISH.....	4,060	.3	1977	4,060
GROUPERS.....	3,905	.2	1977	3,905
CROAKER, ATLANTIC.....	3,857	.2	1945	6,958
WHITEFISH, COMMON.....	3,873	.2	1976	4,169
SCUP OR PORGIES.....	3,856	.2	1977	3,856
STRIPED BASS.....	3,818	.2	1977	3,818
SQUID.....	3,055	.2	1977	3,055
YELLOW PERCH.....	3,044	.2	1977	3,044
SEA TROUT OR WEAKFISH:				
GRAY.....	2,916	.2	1945	4,246
SPOTTED.....	2,680	.2	1976	3,151
POMPANO.....	2,137	.1	1977	2,137
SEA BASS, BLACK (ATLANTIC).....	2,045	.1	1952	5,206
TILEFISH.....	2,024	.1	1977	2,024
SEA URCHINS.....	1,637	.1	1977	1,637
CRAWFISH, FRESHWATER.....	1,631	.1	1975	3,593
CARP.....	1,621	.1	1951	2,001
ALL OTHER.....	52,008	3.3	-	-
TOTAL.....	1,553,556	100.0	-	-

(1) DATA NOT AVAILABLE.

U.S. LANDINGS, 1977—LIVE WEIGHT BASIS

In the annual digest it has been the practice of NMFS to show the landings of univalve and bivalve mollusks on the basis of the weight of meats. Insofar as possible, all other fish and shellfish items are shown on a live weight basis.

Since world fishery statistics published by the Food and Agriculture Organization of the United Nations represent the live weight of landings of all items of fish and shellfish, it has been necessary to provide that organization with information on domestic landings of all species on a live weight basis. Data released by the Food and Agriculture Organization, therefore, indicate that U.S. landings in 1976 were 1.4 billion pounds greater than the figure appearing in NMFS publications. The increase is due to the inclusion of the weight of the shells of univalve and bivalve mollusks in the Food and Agriculture Organization data.

Data are included in the report showing the entire domestic landings on a live weight basis. Information is also included on landings of fishery products in the principal countries of the world so that the relative importance of the domestic fisheries can be determined. Tables containing these data follow:

U.S. LANDINGS, 1977 - LIVE WEIGHT BASIS

SPECIES	THOUSAND POUNDS	THOUSAND DOLLARS
FISH.....	4,097,764	726,186
SHELLFISH ET AL.:		
UNIVALVE AND BIVALVE MOLLUSKS:		
ABALONE.....	1,447	1,403
CLAMS:		
COCKLE.....	3	(1)
GEODUCK.....	11,414	1,583
HARD.....	105,498	27,226
OCEAN QUAHOG.....	156,735	5,281
RAZOR.....	406	344
SOFT.....	46,464	13,118
SURF.....	273,580	26,735
MIXED.....	743	113
TOTAL CLAMS.....	594,843	74,400
CONCHS.....	2,478	334
LIMPETS.....	15	31
MUSSELS:		
SEA.....	13,894	1,003
FRESHWATER.....	3,981	1,301
OYSTERS, MARKET.....	678,978	57,468
PERIWINKLES AND COCKLES.....	81	19
SCALLOPS:		
BAY.....	13,056	4,141
CALICO.....	24,817	837
SEA.....	219,685	41,990
TOTAL UNIVALVE AND BIVALVE MOLLUSKS.....	1,553,275	182,927
CRUSTACEANS.....	931,312	636,276
OTHER.....	57,141	8,167
TOTAL SHELLFISH ET AL.....	2,541,728	827,370
GRAND TOTAL.....	6,639,492	1,553,556

(1) LESS THAN 500 POUNDS AND \$500.

WORLD LANDINGS OF FISH, CRUSTACEANS, MOLLUSKS, ET AL. BY COUNTRIES, 1977

World landings of fish, crustaceans, mollusks, and other aquatic organisms (live weight) were 151.4 billion pounds—a decrease of 5 percent over 1976.

Seven countries accounted for 51 percent of the world landings—Japan led with 14.7 percent; followed by the U.S.S.R., 13.6 percent; China, 6.5 percent, Norway, 5.0 percent; the United States, 4.3 percent; Peru, 3.7 percent; and India, 3.4 percent.

Among the continents, Asia led with 43.0 percent of the world landings; followed by Europe with 19.3 percent; the U.S.S.R., 13.6 percent; South America, 8.3 percent; North and Central America, 7.9 percent; Africa, 6.0 percent; and Oceania, 0.4 percent.

WORLD LANDINGS OF FISH, CRUSTACEANS, MOLLUSKS, ET AL. BY COUNTRIES, 1977

COUNTRIES	THOUSAND METRIC TONS	BILLION POUNDS	PERCENT
-----LIVE WEIGHT-----			
JAPAN	10,123	22.32	14.7
U.S.S.R.	9,351	20.62	13.6
CHINA, MAINLAND	4,463	9.84	6.5
NORWAY	3,407	7.51	5.0
UNITED STATES	(1) 2,980	6.64	4.3
PERU	2,534	5.59	3.7
INDIA	2,312	5.10	3.4
THAILAND	2,188	4.82	3.2
REPUBLIC OF KOREA	2,085	4.60	3.0
DENMARK	1,806	3.98	2.6
INDONESIA	1,568	3.46	2.3
PHILIPPINES	1,509	3.33	2.2
SPAIN	1,389	3.06	2.0
ICELAND	1,374	3.03	2.0
CHILE	1,319	2.91	2.0
CANADA	1,235	2.72	1.8
NORTH KOREA	(2) 1,190	2.62	1.7
VIETNAM	(2) 1,014	2.24	1.5
UNITED KINGDOM	998	2.20	1.5
BRAZIL	748	1.65	1.1
FRANCE	744	1.64	1.1
POLAND	655	1.44	1.0
BANGLADESH	643	1.42	0.9
MALAYSIA	619	1.36	0.9
MEXICO	611	1.35	0.9
REPUBLIC OF SOUTH AFRICA	550	1.21	0.8
BURMA	519	1.14	0.8
NIGERIA	504	1.11	0.7
ECUADOR	434	.96	0.6
FEDERAL REPUBLIC OF GERMANY	432	.95	0.6
ITALY	372	.82	0.5
ARGENTINA	370	.82	0.5
NETHERLANDS	313	.69	0.5
PAKISTAN	268	.59	0.4
MOROCCO	255	.56	0.4
TURKEY	164	.36	0.2
ALL OTHERS	7,630	16.75	11.1
TOTAL	(3) 68,678	151.41	100.0

(1) INCLUDES THE WEIGHT OF CLAMS, OYSTERS, SCALLOPS, AND OTHER MOLLUSK SHELLS. THIS WEIGHT IS NOT INCLUDED IN U.S. LANDINGS STATISTICS SHOWN ELSEWHERE.

(2) DATA ESTIMATED BY FAO.

(3) MAY NOT ADD TO TOTAL BECAUSE OF ROUNDING.

NOTE:—STATISTICS FOR MARICULTURE, AQUACULTURE, AND OTHER KINDS OF FISH FARMING, SEAWEED HARVESTING, ETC., ARE INCLUDED IN COUNTRY TOTALS. STATISTICS ON QUANTITIES CAUGHT BY RECREATIONAL FISHERMEN ARE EXCLUDED.

SOURCE:—FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS (FAO), YEARBOOK OF FISHERY STATISTICS, 1980, VOL. 52.

PROCESSED FISHERY PRODUCTS, 1977

Fishery products (fresh and frozen, canned, industrial, and cured) processed in the United States, American Samoa, and Puerto Rico were worth \$4.0 billion in 1977. Fresh and frozen items were 52 percent of the total value; canned, 39 percent; industrial, 5 percent; and cured, the remaining 4 percent. The Pacific Coast States, (Washington, Oregon, and California) accounted for \$809.3 million or about 20 percent of the total value of all processed fishery products. The Gulf Coast States ranked second with \$737.8 million or 19 percent, and the New England States, third with \$533.5 million or 13 percent. California was the leading State for processed fishery products with \$647.6 million, followed by Alaska with \$523.2 and Puerto Rico with \$418.8 million. Canned tuna was by far the most important fishery product in California and Puerto Rico, while fish sticks and portions were the most important in Massachusetts.

The value of fresh and frozen processed products, mainly fillets, steaks, fish sticks, fish portions, and breaded shrimp, was \$2,078.4 million in 1977, compared with \$1,775.5 in 1976. The 1977 U.S. production of raw (uncooked) fish fillets and steaks was 160.6 million pounds valued at \$192.1 million—up 11 percent in quantity and 14 percent in value, compared with 1976. Fillets of flounders, the most important item among fillets and steaks, were 44.6 million pounds, 3.6 million pounds less than 1976. The production of groundfish fillets and steaks (cod, cusk, haddock, hake, Atlantic ocean perch, and Atlantic pollock) was 59.9 million pounds compared with the 40.6 million pounds in 1976. The production of sea herring fillets, which ranked fourth after flounder, cod, and haddock, has grown steadily in recent years; almost all herring fillets are exported to Europe.

The combined production of fish sticks and portions was 442.7 million pounds valued at \$410.5 million in 1977—an increase of 4.2 million pounds in quantity and \$51.5 million value compared with 1976. The 355.4 million pounds of fish portions set a new record, exceeding the 1976 production by 3 percent. The 1977 production of breaded shrimp in 56 plants was 97.5 million pounds valued at \$216.6 million, compared with 95.9 million pounds valued at \$203.0 million produced by 65 plants in 1976. Breaded, raw and cooked fillets, fish cakes, dinners, cooked crab meat, raw headless shrimp, shucked oysters, and clams made up most of the remaining value in the fresh and frozen category.

The 1977 pack of canned fishery products in the United States, American Samoa, and Puerto Rico was 51.4 million standard cases (1.4 billion pounds) valued at a record \$1.5 billion—a decrease of 3.4 million standard cases (6 percent), but an increase of \$124.6 million (9 percent) compared with the 1976 pack. The 1977 pack included 40.8 million standard cases (908.6 million pounds) for human consumption and 10.7 million standard cases (512.7 million pounds) for bait and animal food. The packs of clams and clam products, crab, jack mackerel, salmon, shrimp, and tunalike fish increased in 1977, but the packs of gefiltefish, Maine sardines, tuna, and oysters declined.

Cured production was 55.5 million pounds valued at \$142.1 million in 1977, compared to 50.7 million pounds and \$102.0 million in 1976. Salted and pickled products in 1977 were 32.7 million pounds and \$65.1 million; smoked, 21.4 million pounds and \$73.8 million; and all types of dried, 1.4 million and \$3.2 million.

The value of industrial fish products (including sealskins and other further processed items) was \$109.6 million in 1977, compared to \$184.8 million in 1976. The production of fish meal and shellfish meal in 1977 was 282.291 tons—27,403 tons less than 1976. The production of fish oil was 133.2 million pounds valued at \$28.2 million—71.4 million pounds and \$3.0 million less than 1976. Domestic production of fish solubles in 1977 was 122,330 tons valued at \$13.9 million—down 10,777 tons and \$312,000 compared with 1976.

A total of 3,614 wholesaling and processing establishments reported selling or processing fishery products in 1977, compared with 3,617 in 1976. Peak monthly employment for all firms in 1977 was 97,783, compared with 93,609 in 1976. Average monthly employment was 73,571 in 1977, compared with 71,696 in 1976.

UNITED STATES SUMMARY OF PROCESSED PRODUCTS, 1977

Item	Unit	Quantity	Dollars
		-----Thousands-----	
Fresh	Pounds	293,675	455,104
Frozen	do	1,065,211	1,623,251
Canned	Standard cases	51,433	1,543,152
Cured	Pounds	55,467	142,082
Industrial			201,647
Total			3,965,236

VALUE OF PROCESSED PRODUCTS, BY STATES, 1977

State or area	Thousand dollars	State or area	Thousand dollars
New England:		Pacific:	
Maine	124,882	Washington	85,586
New Hampshire	43,483	Oregon	76,089
Massachusetts	358,293	California	647,600
Rhode Island	6,307		
Connecticut	521	Total	809,275
Total	533,486	Alaska	523,225
Mid-Atlantic:		Inland States:	
New York	94,075	Arkansas, Kentucky, and Tennessee	766
New Jersey	90,485	Colorado and Utah	3,843
Pennsylvania	75,772	Idaho	25,442
Delaware	41,085	Illinois	13,299
Maryland	126,073	Iowa	1,166
Virginia	99,305	Michigan	3,681
Total	526,795	Minnesota	6,103
South Atlantic:		Missouri	1,871
North Carolina	29,212	North Dakota, Oklahoma, and South Dakota	168
South Carolina	12,710	Ohio	67,279
Georgia	56,126	Wisconsin	16,895
Florida East Coast	45,087	Total	140,513
Total	143,135	Other:	
Gulf:		Hawaii and American Samoa ..	132,262
Florida West Coast	180,488	Puerto Rico	418,757
Alabama	90,434		
Mississippi	108,660	Total	551,019
Louisiana	198,671	Grand total ..	3,965,236
Texas	159,535		
Total	737,788		

GENERAL REVIEW

UNITED STATES

PROCESSING AND WHOLESALE ESTABLISHMENTS AND EMPLOYMENT, 1977

Region or area	Processing		
	Plants	Employment average	
		Season	Year
----- Number			
New England	246	9,942	7,903
Mid-Atlantic	317	12,514	9,659
South Atlantic	146	5,510	4,266
Gulf	388	15,481	11,146
Pacific	233	17,441	12,812
Alaska	199	11,498	6,800
Inland States	107	2,300	1,965
Hawaii and American Samoa	19	1,857	1,724
Puerto Rico	5	6,682	5,622
Total	1,660	83,225	61,897

Region or area	Wholesale		
	Plants	Employment average	
		Season	Year
----- Number			
New England	251	1,515	1,252
Mid-Atlantic	460	3,702	3,311
South Atlantic	342	1,602	1,151
Gulf	467	3,318	2,130
Pacific	163	1,978	1,518
Inland States	252	2,192	2,061
Hawaii	19	251	251
Total	1,954	14,558	11,674

Region or area	Total		
	Plants	Employment average	
		Season	Year
----- Number			
New England	497	11,457	9,155
Mid-Atlantic	777	16,216	12,970
South Atlantic	488	7,112	5,417
Gulf	855	18,799	13,276
Pacific	396	19,419	14,330
Alaska	199	11,498	6,800
Inland States	359	4,492	4,026
Hawaii and American Samoa	38	2,108	1,975
Puerto Rico	5	6,682	5,622
Grand total	3,614	97,783	73,571

Note:--Data have been estimated for some Inland States and Alaska. Employment is reported by each month for the payroll period that includes the 12th of the month.

UNITED STATES PROCESSED FISHERY PRODUCT, 1977

Item	Unit	Quantity	Dollars
		-----Thousands-----	
Alewives:			
Frozen for bait	Pounds	2,327	185
Canned:			
Fish	Standard cases	(1)	(1)
Roe	do	4	122
Animal food	do	(1)	(1)
Salted	Pounds	3,154	461
Smoked	do	60	36
Meal and scrap	Tons	(1)	(1)
Anchovies:			
Frozen for bait	Pounds	1,049	255
Canned:			
In tomato sauce	Standard cases	(1)	(1)
Paste	do	65	2,834
Meal and scrap	Tons	19	6,474
Oil	Pounds	6,171	846
Anglerfish, fresh and frozen fillets	do	1,435	1,018
Ballyhoo, fresh for bait	do	(1)	(1)
Barracuda, smoked	do	1	(2)
Bigeye scad, sun dried	do	(1)	(1)
Bluefish, fresh and frozen fillets	do	161	145
Buffalofish:			
Fresh and frozen fillets	do	92	50
Smoked	do	16	23
Bullheads:			
Fresh and frozen, dressed, and skinned	do	(1)	(1)
Smoked	do	(1)	(1)
Butterfish:			
Fresh, steamed with vegetables	do	(1)	(1)
Smoked	do	44	100
Carp:			
Fresh and frozen:			
Roe	do	(1)	(1)
Fillets	do	2,619	1,266
Smoked	do	175	105
Meal and scrap	Tons	(1)	(1)
Oil	Pounds	(1)	(1)
Catfish:			
Fresh and frozen:			
Dressed and skinned:			
Wild	do	4,390	3,864
Pond raised	do	13,802	17,977
Fillets and steaks	do	(1)	(1)
Canned stews	Standard cases	(1)	(1)
Smoked	Pounds	1	1
Chubs, smoked	do	2,657	6,344
Cod:			
Fresh and frozen:			
Fillets:			
Raw	do	24,587	27,772
Breaded, raw and cooked, and form pressed	do	4,465	5,966
Steaks:			
Raw	do	(3)	(3)
Breaded raw	do	(1)	(1)
Pastes, cooked	do	(1)	(1)
Cakes, breaded raw and cooked	do	(1)	(1)
Canned cakes	Standard cases	(1)	(1)
Salted, bites, fillets, and fish	Pounds	113	113
Smoked	do	(1)	(1)
Dried, including lutefisk	do	846	862
Oil, liver	do	(1)	(1)
Croakers, frozen fillets	do	(1)	(1)
Cusk, fresh and frozen fillets	do	1,905	1,787

See footnotes at end of table.

(Continued on next page)

GENERAL REVIEW

UNITED STATES

PROCESSED FISHERY PRODUCTS, 1977 - Continued

Item	Unit	Quantity	Dollars
			-----Thousands-----
Dolphin:			
Fresh fillets	Pounds	(1)	(1)
Smoked	do	(1)	(1)
Drum, red, fresh and frozen fillets	do	(1)	(1)
Eels:			
Fresh and frozen dressed, and skinned.	do	(1)	(1)
Smoked	do	54	147
Flounders:			
Fresh and frozen:			
Fillets:			
Raw	do	44,586	69,717
Breaded, raw and cooked, and form pressed	do	3,374	3,889
Steaks, breaded raw	do	(1)	(1)
In casseroles, and breaded raw stuffed	do	4,530	7,151
Smoked	do	(1)	(1)
Gizzard shad, frozen for bait	do	(1)	(1)
Groupers, fresh and frozen fillets and steaks:			
Raw	do	250	544
Breaded raw	do	(1)	(1)
Haddock:			
Fresh and frozen:			
Fillets:			
Raw	do	14,658	21,294
Breaded, raw and cooked, and form pressed	do	1,369	2,007
Steaks, breaded raw	do	(1)	(1)
In casseroles, and au gratin cooked.	do	(1)	(1)
Canned, finnan haddies	Standard cases	(1)	(1)
Smoked, finnan haddies	Pounds	(1)	(1)
Hake:			
Fresh and frozen fillets	do	1,549	1,342
Salted	do	(1)	(1)
Smoked	do	(1)	(1)
Halibut:			
Fresh and frozen:			
Fillets:			
Raw	do	266	436
Batter coated cooked	do	(1)	(1)
Steaks:			
Raw	do	2,334	5,468
Breaded raw	do	(1)	(1)
Canned animal food	Standard cases	(1)	(1)
Smoked	Pounds	292	422
Oil, liver	do	(1)	(1)
Herring:			
Lake:			
Fresh and frozen fillets	do	(1)	(1)
Salted	do	526	204
Smoked	do	86	82
Sea:			
Fresh and frozen:			
For bait	do	17,169	3,904
Roe	do	6,151	10,328
Eggs with kelp	do	82	84
Fillets	do	12,657	4,430
Canned:			
Maine sardines	Standard cases	1,004	27,205
Fish and spreads	do	139	7,114
For bait	do	(1)	(1)
Salted:			
Fish and fillets	Pounds	18,446	27,361
Roe	do	331	1,237
Eggs with kelp	do	294	489
Cured in wine and cream sauce	do	(4)	(4)
Smoked	do	503	470
Meal and scrap	Tons	2	803
Oil	Pounds	440	96
Pearl essence	do	66	2,635
Thread:			
Meal and scrap	Tons	(1)	(1)
Oil	Pounds	(1)	(1)

See footnotes at end of table.

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GENERAL REVIEW

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UNITED STATES

PROCESSED FISHERY PRODUCTS, 1977 - Continued

Item	Unit	Quantity	Dollars
			-----Thousands-----
King mackerel:			
Fresh and frozen fillets and steaks	Pounds	710	781
Smoked	do	(1)	(1)
Lake trout:			
Fresh and frozen fillets	do	173	384
Canned paste	Standard cases	(1)	(1)
Smoked	Pounds	60	126
Lingcod:			
Fresh and frozen fillets	do	1,419	1,259
Smoked	do	(1)	(1)
Lumpfish, canned caviar	Standard cases	(1)	(1)
Mackerel:			
Atlantic:			
Fresh fillets	Pounds	(1)	(1)
Smoked	do	(1)	(1)
Jack:			
Frozen, for bait	do	127	28
Canned:			
Natural	Standard cases	686	11,869
Animal food	do	167	3,876
Smoked	Pounds	2	1
Meal and scrap	Tons	(5)	(5)
Oil	Pounds	(5)	(5)
Pacific, sun dried	do	(1)	(1)
Scad, sun dried	do	(1)	(1)
Marlin:			
Salted with condiments	do	(1)	(1)
Smoked	do	(1)	(1)
Menhaden:			
Meal and scrap	Tons	193	71,785
Oil	Pounds	116,149	25,132
Solubles	Tons	87	9,806
Mooneye, smoked	Pounds	(1)	(1)
Mullet:			
Fresh and frozen:			
For bait	do	(1)	(1)
Roe	do	45	131
Fillets	do	306	186
Salted:			
Roe	do	(1)	(1)
Fish and fillets	do	211	79
Ocean perch, fresh and frozen fillets:			
Atlantic:			
Raw	do	10,376	9,995
Breaded raw and cooked, batter coated cooked, and form pressed	do	3,435	3,950
Pacific:			
Raw	do	2,488	1,919
Breaded raw	do	(1)	(1)
do	do	35	10
Ocean pout, fresh fillets	do	262	483
Paddlefish, smoked	do	(1)	(1)
Perch, Pacific, smoked	do	(1)	(1)
Pike or pickerel:			
Fresh and frozen fillets	do	302	564
Smoked	do	(1)	(1)
Pollock:			
Fresh and frozen:			
Atlantic:			
Fillets raw	do	6,867	5,204
Steaks:			
Raw	do	(3)	(3)
do	do	(1)	(1)
Breaded raw	do	(1)	(1)
Pacific, breaded cooked fish cakes	do	1,556	2,545
Salted	do	41	33
Smoked	do	(1)	(1)
Dried and salted	do	(1)	(1)
do	do	(1)	(1)
Pompano, fresh and frozen fillets	do	(1)	(1)

See footnotes at end of table.

(Continued on next page)

GENERAL REVIEW

UNITED STATES

PROCESSED FISHERY PRODUCTS, 1977 - Continued

Item	Unit	Quantity	Dollars
		-----Thousands-----	
Rockfishes:			
Fresh and frozen:			
Fillets	Pounds	8,625	6,897
Breaded cooked cakes	do	(1)	(1)
Smoked	do	(1)	(1)
Sablefish:			
Fresh and frozen fillets	do	1,916	988
Salted:			
Fish	do	250	314
In wine and bean curd	do	129	276
Smoked	do	2,120	5,086
Salmon:			
Fresh and frozen:			
Dressed, pond raised	do	(1)	(1)
Roe	do	5,121	20,375
Fillets	do	1,639	3,676
Steaks	do	1,609	3,412
Breaded raw, sticks and patties	do	(1)	(1)
Canned:			
Chinook or king	Standard cases	15	1,545
Chum or keta	do	471	27,318
Pink	do	1,469	94,223
Red or sockeye	do	832	83,158
Silver or coho	do	40	3,392
Total	do	2,827	209,636
Smoked	do	2	529
Caviar	do	1	761
Spreads, pastes, and smoked pastes	do	1	36
Animal food	do	(1)	(1)
Eggs for bait	do	(1)	(1)
Salted and pickled:			
Fish	Pounds	1,840	4,872
Roe	do	3,938	15,479
Caviar	do	750	3,593
Mild cured	do	2,260	9,379
With tomatoes	do	14	25
In wine curd	do	(1)	(1)
Eggs for bait	do	235	779
Smoked	do	10,410	50,938
Meal	Tons	(1)	(1)
Oil	Pounds	(1)	(1)
Sauger, fresh and frozen fillets:			
Raw	do	173	437
Breaded raw	do	(1)	(1)
Seabass:			
Fresh and frozen fillets	do	68	121
Smoked	do	(1)	(1)
Sea trout:			
Fresh and frozen fillets	do	470	486
Smoked	do	(1)	(1)
Shad:			
Fresh:			
For bait	do	(1)	(1)
Roe	do	(1)	(1)
Fillets, boned	do	(1)	(1)
Canned, smoked	Standard cases	(1)	(1)
Smoked	Pounds	84	65
Shark:			
Fresh and frozen fillets	do	2,749	1,118
Smoked	do	(2)	(2)
Leathers	do	(1)	(1)
Sheepshead, fresh and frozen fillets:			
Freshwater	do	60	124
Saltwater	do	(1)	(1)
Skates, fresh wings	do	(1)	(1)
Smelt:			
Frozen:			
For bait	do	(1)	(1)
Breaded cooked	do	(1)	(1)
Ground for animal food	do	(1)	(1)

See footnotes at end of table.

(Continued on next page)

UNITED STATES PROCESSED FISHERY PRODUCTS, 1977 - Continued

Item	Unit	Quantity	Dollars
		-----Thousands-----	
Snapper, red:			
Fresh and frozen fillets and steaks	Pounds	382	1,130
Smoked	do	(1)	(1)
Spanish mackerel, fresh and frozen:			
For bait	do	(1)	(1)
Fillets	do	3,330	2,719
Spot, salted, split for curing	do	(1)	(1)
Striped bass:			
Fresh and frozen fillets	do	34	53
Smoked	do	(1)	(1)
Sturgeon:			
Fresh fillets	do	(1)	(1)
Canned:			
Caviar	Standard cases	2	3,729
Smoked	do	1	138
Smoked	Pounds	517	2,370
Suckers, fresh fillets	do	(1)	(1)
Swordfish:			
Fresh and frozen steaks	do	289	630
Liver, oil	do	(1)	(1)
Tilapia, fresh fillets	do	(1)	(1)
Tilefish, fresh and frozen fillets	do	(1)	(1)
Trout, unclassified pond raised:			
Fresh and frozen:			
Dressed and or boned	do	19,075	23,349
Fillets, raw	do	(1)	(1)
Breaded raw, stuffed and boned	do	(1)	(1)
Canned, smoked	Standard cases	(1)	(1)
Smoked	Pounds	(1)	(1)
Tullibee, smoked	do	(1)	(1)
Tuna:			
Fresh steaks	do	(1)	(1)
Canned:			
Albacore	Standard cases	6,221	240,734
Lightmeat	do	21,439	665,880
Total	do	27,660	906,614
Spreads and with noodles	do	4	140
Smoked	do	(2)	9
Animal food	do	4,606	104,242
Salted:			
With condiments	Pounds	(1)	(1)
Paste	do	(1)	(1)
Smoked	do	46	73
Dried and salted	do	(1)	(1)
Sun dried	do	48	214
Meal and scrap	Tons	39	10,544
Oil	Pounds	3,807	395
Solubles	Tons	(1)	(1)
Tunalike fish (bonito and yellowtail):			
Canned:			
Natural	Standard cases	473	10,635
In sauces	do	(1)	(1)
Smoked	Pounds	27	31
Turbot, fresh and frozen:			
Fillets and steaks:			
Raw	do	117	95
Breaded raw	do	(1)	(1)
In casseroles	do	(1)	(1)
Wahoo:			
Canned	Standard cases	(1)	(1)
Smoked	Pounds	(1)	(1)
Warsaw, fresh and frozen fillets	do	(1)	(1)
White bass, fresh fillets	do	(1)	(1)

See footnotes at end of table.

(Continued on next page)

GENERAL REVIEW

UNITED STATES

PROCESSED FISHERY PRODUCTS, 1977 - Continued

Item	Unit	Quantity	Dollars
		.....Thousands.....	
Whitefish:			
Fresh and frozen fillets	Pounds	818	1,767
Canned:			
Roe	Standard cases	4	424
Fish	do	(1)	(1)
Salted	Pounds	(1)	(1)
Smoked	do	2,335	4,905
Whiting:			
Fresh and frozen:			
Headed and dressed	do	8,651	2,392
Fillets:			
Raw	do	830	500
Breaded raw	do	(1)	(1)
Smoked	do	1,172	1,253
Wolffish, fresh and frozen fillets	do	380	295
Yellow perch, fresh and frozen fillets:			
Raw	do	2,678	6,674
Breaded raw	do	386	865
Yellow pike, fresh and frozen fillets:			
Raw	do	869	1,560
Breaded raw	do	(1)	(1)
Crabs:			
Fresh and frozen:			
Blue:			
Dressed and cleaned	do	61	40
Cooked:			
Meat	do	12,062	51,671
Claws	do	78	300
Gumbo and soups	do	72	76
Breaded, raw and cooked:			
Cakes and patties	do	1,002	2,003
Deviled	do	4,846	7,052
Mixes	do	229	254
Stuffed	do	5,393	6,820
Balls, burgers, loaves, and sticks	do	425	360
Dungeness, cooked:			
Whole	do	12,299	9,476
Meat	do	3,900	14,745
Sections	do	346	628
Cocktails, and in sauces	do	(1)	(1)
Jonah, cooked:			
Meat	do	(1)	(1)
Claws	do	(1)	(1)
King, cooked:			
Whole	do	464	1,331
Meat	do	5,752	35,787
Sections	do	42,951	131,563
Red, cooked meat	do	(1)	(1)
Rock, cooked meat	do	182	726
Snow (tanner), cooked:			
Whole	do	1,171	1,003
Meat	do	4,644	15,690
Sections	do	33,295	41,626
Stone, cooked claws	do	287	588
Canned:			
Blue and rock	Standard cases	109	6,715
Dungeness	do	15	1,371
King	do	19	2,919
Snow	do	94	8,612
Bisques, deviled, dips, smoked, and spreads	do	7	313
Meal and scrap	Tons	6	677
Back shells, cleaned and polished		-	(1)
Crawfish, fresh cooked meat	Pounds	548	1,863
Lobsters:			
Fresh and frozen:			
American, meats:			
Cooked	do	383	4,011
Breaded raw	do	(1)	(1)
Slipper, breaded raw meat	do	(1)	(1)
Spiny:			
Tails raw	do	1,856	10,694
Cooked:			
Whole	do	1,524	3,437

See footnotes at end of table.

(Continued on next page)

UNITED STATES

PROCESSED FISHERY PRODUCTS, 1977 - Continued

Item	Unit	Quantity	Dollars
		-----Thousands-----	
Lobsters - Continued:			
Fresh and frozen:			
Spiny - Continued:			
Cooked - Continued:			
Meat	Pounds	(1)	(1)
Canned, bisques, deviled, dips, meats, mixes, newburgs, pastes, in sauces, and spreads	Standard cases	11	576
Shrimp:			
Regular:			
Fresh and frozen:			
Whole	Pounds	7,316	15,338
Raw, headless	do	114,883	320,461
Peeled, including deveined:			
Raw	do	35,602	84,610
Cooked	do	23,277	51,779
Breaded:			
Raw	do	91,907	206,345
Cooked	do	5,041	9,270
Batter coated cooked	do	570	936
Specialties:			
Cooked, cocktails	do	4,966	7,580
Breaded, raw and cooked:			
Burgers	do	1,712	1,722
Cakes and patties	do	906	1,361
Stuffed	do	1,456	2,766
Croquettes, dinners, scampi, and sticks	do	997	1,914
Canned:			
Regular	Standard cases	3,700	73,203
Bisques, chowders, dips, pastes, pickled, and in sauces	do	46	1,942
Sun dried	Pounds	524	2,073
Meal and scrap	Tons	1	87
Rock:			
Raw, headless	Pounds	871	1,090
Peeled meat	do	(1)	(1)
Abalone:			
Fresh and frozen:			
Whole	do	10	25
Meat	do	2	10
Steaks	do	133	1,017
Canned	Standard cases	(1)	(1)
Smoked	Pounds	(1)	(1)
Dried	do	(1)	(1)
Clams:			
Fresh and frozen:			
Shucked:			
Hard	Gallons	88	741
Geoduck	do	(1)	(1)
Ocean quahogs	do	890	5,711
Razor, dressed meats	Pounds	176	634
Soft	Gallons	604	11,991
Surf	do	4,874	45,613
Cooked chowder bases, pies, and cocktails	Pounds	123	182
Breaded, raw and cooked:			
Cakes and patties	do	180	427
Strips	do	16,597	26,462
Stuffed	do	32	36
Deviled and sticks	do	728	1,111
Canned:			
Whole and minced	Standard cases	763	26,269
Chowder and juice	do	2,069	38,252
Bisques, chowder bases, creoles, dips, in shell, and in sauces	do	149	7,050
Shells, cleaned and polished	Pounds	(1)	(1)
Ground for animal food	do	(1)	(1)
Conchs:			
Fresh and frozen:			
Shucked	do	314	407
Steamed	do	(1)	(1)
Canned, meats and chowder	Standard cases	5	284
Mussels, canned bisques	do	(1)	(1)
Limpets, fresh shucked	Gallons	(1)	(1)

GENERAL REVIEW

UNITED STATES

PROCESSED FISHERY PRODUCTS, 1977 - Continued

Item	Unit	Quantity	Dollars
			.....Thousands.....
Octopus:			
Fresh and frozen:			
Dressed	Pounds	(1)	(1)
Cooked with vegetables	do	(1)	(1)
Smoked	do	(1)	(1)
Oysters:			
Fresh and frozen:			
Eastern:			
Shucked	Gallons	4,525	73,856
Steamed	Pounds	(1)	(1)
Breaded, raw and cooked	do	3,801	6,458
Cooked pies and breaded raw on half shell	do	(1)	(1)
Pacific:			
Shucked	Gallons	706	7,531
Breaded raw	Pounds	17	23
Western, shucked	Gallons	1	103
Canned:			
Regular:			
Eastern			
	Standard cases	121	2,248
Pacific	do	26	439
Smoked	do	1	95
Bisques, sauces, and stews	do	191	6,328
Smoked	Pounds	(1)	(1)
Dried	do	(1)	(1)
Shell products, grit and lime	Tons	264	6,708
Scallops:			
Fresh and frozen:			
Shucked:			
Bay	Gallons	85	2,032
Calico	do	140	2,756
Sea	Pounds	17,429	33,859
Cooked in sauces	do	(1)	(1)
Breaded, raw and cooked, and batter coated cooked:			
Bay	do	462	984
Calico	do	1,103	1,766
Sea	do	8,934	18,672
Dried	do	(1)	(1)
Squid:			
Fresh and frozen	do	9,340	2,299
Canned, natural	Standard cases	141	2,218
Sea urchins, fresh roe	Pounds	290	1,675
Turtle:			
Fresh and frozen steaks	do	10	17
Canned, chowders, essence, meats, and soups	Standard cases	(1)	(1)
Frog legs, frozen:			
Raw	Pounds	(1)	(1)
Breaded raw	do	(1)	(1)
Sealskins, processed			3,113
Unclassified:			
Fresh and frozen:			
Fish:			
Not breaded:			
Dressed	do	325	339
For bait	do	3,980	282
Fillet and steaks	do	3,834	3,787
Sticks:			
Breaded raw	do	3,782	3,837
Cooked:			
Breaded	do	71,391	55,476
Batter coated	do	12,057	9,414
Portions:			
Raw:			
Breaded	do	173,652	178,598
Not breaded	do	30,929	37,160
Cooked:			
Breaded	do	92,759	74,698
Batter coated	do	58,104	51,304

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GENERAL REVIEW

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UNITED STATES

PROCESSED FISHERY PRODUCTS, 1977 - Continued

Item	Unit	Quantity	Dollars
			-Thousands-
Unclassified - Continued:			
Shellfish:			
Natural	Pounds	3,830	6,846
Breaded raw	do	135	311
Fish and shellfish:			
Cooked:			
Dinners	do	11,322	14,470
Cocktails, hors d' oeuvres, and in sauces	do	1,217	1,739
Breaded raw, breaded cooked, and batter cooked:			
Fillets and steaks	do	11,142	11,524
Cakes and patties	do	13,110	9,909
Dinners	do	2,765	3,534
Fish and chips	do	3,576	2,581
Specialties	do	19,282	21,916
Canned:			
Gefiltefish	Standard cases	269	7,531
Roe	do	7	1,002
Unclassified:			
Fish	do	83	2,044
Shellfish	do	53	1,791
Animal food	do	5,899	57,568
Salmon eggs and minnows, for bait	do	9	4,469
Cured:			
Salted	Pounds	129	429
Smoked	do	434	691
Dried	do	30	58
Meal and scrap:			
Fish	Tons	48	14,506
Shellfish, mixed	do	3	325
Oil, body and liver	Pounds	6,615	1,770
Solubles	Tons	35	4,139
Other	-	-	41,806
Total			3,965,236

(1) Included with unclassified items. (2) Less than 500 lb, 500 standard cases, or \$500. (3) Included with fillet production. (4) Included with salted fish and fillets. (5) Included with tuna.

Note:--Some of the above items have been processed from raw products imported from foreign countries; therefore, the production cannot be correlated directly with landings. Certain items, such as salted alewives and mild-cured salmon, are shown in an intermediate and also a more advanced stage of processing. The lime and poultry feed processed shell products were from live and reef mollusk shells that are not included in landing statistics.

GENERAL REVIEW

NEW ENGLAND

SUMMARY OF PROCESSED PRODUCTS, 1977

Item	Unit	Quantity	Dollars
		-----Thousands-----	
Fresh	Pounds	81,747	126,078
Frozen	do	314,730	307,334
Canned	Standard Cases	2,436	81,961
Cured	Pounds	1,939	1,090
Industrial			37,036
Total			533,486

VALUE OF PROCESSED PRODUCTS, BY STATES, 1977

State	Thousand dollars
Maine	124,882
New Hampshire	43,483
Massachusetts	358,293
Rhode Island	6,307
Connecticut	521
Total	533,486

PROCESSING AND WHOLESALE ESTABLISHMENTS AND EMPLOYMENT, 1977

State	Processing			Wholesale			Total		
	Plants	Employment average		Plants	Employment average		Plants	Employment average	
		Season	Year		Season	Year		Season	Year
	-----Number-----								
Maine	90	3,798	2,688	143	454	329	233	4,252	3,017
New Hampshire	11	465	434	3	14	10	14	479	444
Massachusetts	123	5,302	4,454	86	951	831	209	6,253	5,285
Rhode Island	18	342	297	14	68	57	32	410	354
Connecticut	4	35	30	5	28	25	9	63	55
Total	246	9,942	7,903	251	1,515	1,252	497	11,457	9,155

Note:--Employment is reported by each plant for each month for the payroll period that includes the 12th of the month. Employment for the season is based on the greatest number of employees working during the payroll period that included the 12th of each month. Employment for the year is obtained by adding the number of employees recorded as working during the payroll period that included the 12th of each month, and dividing by 12.

NEW ENGLAND PROCESSED FISHERY PRODUCTS, 1977

Item	State	Unit	Quantity	Dollars
			-----Thousands-----	
Alewives, smoked	Maine	Pounds	60	36
Anglerfish, fresh and frozen fillets	Massachusetts	do	1,435	1,018
Bluefish, fresh fillets	Massachusetts	do	57	49
Cod:				
Fresh and frozen fillets and steaks:				
Raw	Maine and Massachusetts	do	20,089	22,764
Breaded raw and form pressed	Maine and Massachusetts	do	2,345	3,087
Salted	Maine	do	112	113
Dried	Maine	do	36	34
Cusk, fresh and frozen fillets	Maine	do	1,905	1,787
Eels, smoked	Maine	do	2	3
Flounder, fresh and frozen fillets:				
Raw	Maine, Massachusetts, and Rhode Island	do	26,848	44,824
Breaded, raw and cooked, and form pressed	Maine, Massachusetts, and New Hampshire	do	2,072	2,601
Haddock, fresh and frozen:				
Fillets:				
Raw	Maine and Massachusetts	do	14,658	21,294
Breaded, raw and cooked and form pressed	Maine, Massachusetts, and New Hampshire	do	1,669	2,322
Steaks, breaded raw	Massachusetts	do	(1)	(1)
Hake, fresh and frozen fillets	Maine and Massachusetts	do	1,549	1,342
Halibut, fresh and frozen fillets and steaks	Maine and Massachusetts	do	634	1,323
Herring:				
Frozen fillets	Maine and Massachusetts	do	12,657	4,430
Canned:				
Maine sardines	Maine	Standard cases	1,004	27,205
Spreads, tid bits, and fish	Maine	do	139	7,114
Pearl essence	Maine	Pounds	66	2,635
Menhaden:				
Meal and scrap	Maine and Massachusetts	Tons	3	1,206
Oil	Maine and Massachusetts	Pounds	4,664	1,047
Ocean perch, fresh and frozen fillets:				
Raw	Maine and Massachusetts	do	10,376	9,995
Breaded, raw and cooked, and form pressed	Maine, Massachusetts, and New Hampshire	do	2,132	2,303
Ocean pout, fresh fillets	Massachusetts	do	35	10
Pollock:				
Fresh and frozen fillets	Maine and Massachusetts	do	6,809	5,121
Salted	Maine	do	41	33
Salmon, fresh and frozen steaks	Maine and Massachusetts	do	95	73
Striped bass, fresh fillets	Massachusetts	do	34	53
Swordfish, fresh and frozen steaks	Maine and Massachusetts	do	289	630
Whiting, fresh and frozen:				
Headed and dressed	Maine and Massachusetts	do	8,651	2,392
Fillets, raw	Maine and Massachusetts	do	830	509
Wolffish, fresh and frozen fillets	Maine and Massachusetts	do	380	295
Crabs, rock, fresh and frozen cooked meat	Maine	do	182	726
Lobsters, American, fresh and frozen cooked meat	Connecticut, Maine, Massachusetts, New Hampshire, and Rhode Island	do	383	4,011
Shrimp, fresh and frozen:				
Peeled, including deveined:				
Raw	Maine and Massachusetts	do	1,895	4,019
Cooked	Massachusetts	do	7,560	14,039
Breaded, raw and cooked, and batter coated cooked	Massachusetts and New Hampshire	do	11,312	18,341
Breaded raw and cooked, burgers, croquettes, and patties	Massachusetts and New Hampshire	do	2,082	2,025
Clams:				
Fresh and frozen:				
Shucked:				
Hard	Massachusetts and Rhode Island	Gallons	18	178
Ocean Quahogs	Rhode Island	do	479	3,092
Soft	Maine, Massachusetts, and New Hampshire	do	503	9,981
Surf	Massachusetts and Rhode Island	do	318	2,833
Breaded	Massachusetts	Pounds	936	1,411
Canned chowder	Maine and Massachusetts	Standard cases	775	16,334

See footnotes at end of table.

(Continued on next page)

GENERAL REVIEW

NEW ENGLAND

PROCESSED FISHERY PRODUCTS, 1977

Item	State	Unit	Quantity	Dollars
			-----Thousands-----	
Conch, fresh and frozen meats	Rhode Island	Pounds	283	382
Scallops, fresh and frozen:				
Shucked:				
Bay	Massachusetts	Gallons	24	640
Sea	Maine and Massachusetts	Pounds	13,385	25,766
Breaded, raw and cooked, and batter coated cooked	Massachusetts and New Hampshire	do	1,776	3,386
Squid, fresh and frozen natural	Massachusetts	do	1,172	523
Unclassified:				
Fresh and frozen:				
Fillets:				
Raw (2)	Maine and Massachusetts	do	1,178	639
Breaded, raw and cooked (3)	Massachusetts and New Hampshire	do	5,408	3,835
Steaks, breaded raw	Massachusetts	do	(1)	(1)
Sticks:				
Breaded raw	Maine and Massachusetts	do	886	964
Cooked:				
Breaded	Maine, Massachusetts, and New Hampshire	do	41,777	34,730
Batter coated	Massachusetts and New Hampshire	do	4,957	4,369
Portions:				
Raw:				
Not breaded	Massachusetts and New Hampshire	do	3,297	4,230
Breaded	Maine, Massachusetts, and New Hampshire	do	84,958	86,014
Cooked:				
Breaded	Maine, Massachusetts, and New Hampshire	do	31,131	27,015
Batter coated	Massachusetts and New Hampshire	do	27,957	22,628
Breaded, raw and cooked:				
Cakes	Massachusetts and New Hampshire	do	5,823	2,881
Dinners	Massachusetts	do	11,347	14,497
Fish and chips	Massachusetts and New Hampshire	do	2,696	1,843
Fish and shellfish (4)	Connecticut, Massachusetts, New Hampshire, and Rhode Island	do	6,116	10,191
Canned (5)	Maine and Massachusetts	Standard cases	516	11,297
Cured (6)	Maine	Pounds	1,688	871
Industrial (7)	Maine, Massachusetts, and Rhode Island		-	32,147
Total			-	533,486

(1) Included with fillets. (2) Includes fillets of Atlantic mackerel, shark, turbot, whitefish, and unclassified fillets and tuna steaks. (3) Includes breaded raw fillets of turbot, whiting and unclassified fish, and breaded raw pollock and unclassified steaks. (4) Includes flounders and turbot in casseroles; haddock au gratins; smelt breaded and cooked; red crab meat and cooked claws; lobster meat breaded raw; spiny lobster tails; clams, breaded raw and stuffed, and cooked stew bases; oysters, shucked, and breaded raw; and unclassified fish, burgers, and kabobs, breaded raw and cooked. (5) Includes haddock finnan haddies; tuna and salmon spreads; rock crabs deviled, dips, spreads and meat; American lobsters, deviled, dips, newburgs, spreads, mixes, meats, soups, and in sauces; shrimp, dips and chowders; clams, whole, minced, juice, dips, spreads, in shell, and bisques; oyster stews; animal foods; and unclassified dips, and chowders. (6) Includes smoked, hake, sea herring, pollock, and unclassified fish; salted, alewives, hake, and sea herring roe and fillets; and dried pollock. (7) Includes the values of cod, halibut, and swordfish liver oils; sea herring, meal and oil; unclassified, meal, oil and solubles; fish protein concentrate; fish ground for animal feed; and Irish moss products.

Note:--Some of the products may have been processed from raw products imported from another State or a foreign country; therefore, they cannot be correlated directly with landings within the State. Certain items are shown in an intermediate and also a more advanced stage of processing.

MID-ATLANTIC

SUMMARY OF PROCESSED PRODUCTS, 1977

Item	Unit	Quantity	Dollars
		-----Thousands-----	
Fresh	Pounds	76,913	118,550
Frozen	do	215,570	218,748
Canned	Standard cases	2,925	82,300
Cured	Pounds	21,974	71,526
Industrial			35,671
Total			526,795

VALUE OF PROCESSED PRODUCTS, BY STATES, 1977

State	Thousand dollars
New York	94,075
New Jersey	90,485
Pennsylvania	75,772
Delaware	41,085
Maryland	126,073
Virginia	99,305
Total	526,795

PROCESSING AND WHOLESALE ESTABLISHMENTS AND EMPLOYMENT, 1977

State	Processing			Wholesale			Total		
	Plants	Employment average		Plants	Employment average		Plants	Employment average	
		Season	Year		Season	Year		Season	Year
	-----Number-----								
New York	41	910	813	227	2,196	1,995	268	3,106	2,808
New Jersey	40	1,843	1,519	66	333	297	106	2,176	1,816
Pennsylvania	17	959	790	20	236	235	37	1,195	1,025
Delaware	4	575	415	7	24	21	11	599	436
District of Columbia ..	-	-	-	6	83	83	6	83	83
Maryland	90	3,376	2,414	79	455	347	169	3,831	2,761
Virginia	125	4,851	3,708	55	375	333	180	5,226	4,041
Total ...	317	12,514	9,659	460	3,702	3,311	777	16,216	12,970

Note:--Employment is reported by each month for the payroll period that includes the 12th of the month. Employment for the season is based on the greatest number of employees working during the payroll period that included the 12th of each month. Employment for the year is obtained by adding the number of employees recorded as working during the payroll period that included the 12th of each month, and dividing by 12.

GENERAL REVIEW

MID-ATLANTIC

PROCESSED FISHERY PRODUCTS, 1977

Item	State	Unit	Quantity	Dollars
			-----Thousands-----	
Anchovy paste, canned	New Jersey, New York, and Pennsylvania	Standard cases	64	2,831
Bluefish, fresh fillets	New Jersey and Virginia	Pounds	51	53
Butterfish, smoked	New Jersey, New York, and Pennsylvania	do	40	92
Chubs, smoked	New Jersey, New York, and Pennsylvania	do	1,510	3,981
Cod, fresh fillets and steaks	New Jersey, New York, and Pennsylvania	do	1,490	2,367
Eels, smoked	New Jersey, New York, and Pennsylvania	do	43	123
Flounders, fresh and frozen fillets	New Jersey, New York, Pennsylvania, and Virginia	do	4,083	7,130
Herring, sea, salted, pickled, and in wine and cream sauces	New York	do	7,542	13,856
Menhaden:				
Meal and scrap	New Jersey and Virginia	Tons	62	21,706
Oil	New Jersey and Virginia	Pounds	25,327	4,848
Solubles	New Jersey and Virginia	Tons	42	4,628
Pollck, fresh and frozen fillets and steaks	New Jersey and New York	Pounds	58	83
Sablefish, smoked	New Jersey, New York, and Pennsylvania	do	1,432	3,713
Salmon:				
Canned caviar	New Jersey, New York, and Pennsylvania	Standard cases	1	761
Mild cured	New York and Pennsylvania	Pounds	1,319	7,376
Smoked	New Jersey, New York, and Pennsylvania	do	6,296	34,881
Sea trout, fresh and frozen fillets	New Jersey and Virginia	do	279	307
Sturgeon:				
Canned caviar	New Jersey and New York	Standard cases	2	3,729
Smoked	New Jersey, New York, and Pennsylvania	Pounds	390	1,970
Whitefish:				
Canned caviar	New Jersey and New York	Standard cases	3	370
Smoked	New Jersey, New York, and Pennsylvania	Pounds	1,664	3,698
Whiting, smoked	New Jersey, New York, and Pennsylvania	do	957	1,078
Yellow perch, fresh and frozen fillets	New York and Pennsylvania	do	217	364
Crabs, blue, fresh and frozen:				
Cooked meat	Maryland and Virginia	do	4,533	19,047
Breaded, raw and cooked:				
Cakes	Maryland, Pennsylvania, and Virginia	do	878	1,840
Devised	Maryland and Pennsylvania	do	2,442	4,258
Meal and scrap	Maryland and Virginia	Tons	3	384
Shrimp:				
Fresh and frozen:				
Breaded, raw and cooked	Maryland, New York, Pennsylvania, and Virginia	Pounds	565	896
Breaded cooked cakes, sticks, and cocktails refrigerated	New York and Pennsylvania	do	4,163	6,513
Canned, bisques, chowders, dips, soup, and in sauces	Delaware and New Jersey	Standard cases	35	1,535
Clams:				
Fresh and frozen:				
Shucked:				
Hard	New Jersey, Pennsylvania, and Virginia	Gallons	29	273
Ocean quahogs	Maryland and New Jersey	do	411	2,619
Soft	Maryland	do	101	2,010
Surf	Delaware, Maryland, New Jersey, New York, and Virginia	do	4,656	42,780
Breaded, raw and cooked:				
Strips	Delaware, Maryland, and New York	Pounds	15,661	25,050
Cakes, devised, patties, sticks, and stuffed	Maryland, New Jersey, Pennsylvania, and Virginia	do	916	1,552
Canned:				
Mincel	Delaware, New Jersey, and New York	Standard cases	710	23,649
Chowder	Delaware, New Jersey, New York, and Pennsylvania	do	956	18,077
Juice	Delaware, New Jersey, and New York	do	226	2,373
Sauces	Delaware, New Jersey, and New York	do	141	6,873
Oysters:				
Fresh and frozen:				
Shucked	Delaware, Maryland, New Jersey, New York, and Pennsylvania	Gallons	2,568	41,703

See footnotes at end of table.

(Continued on next page)

MID-ATLANTIC PROCESSED FISHERY PRODUCTS, 1977

Item	State	Unit	Quantity	Dollars
			-----Thousands-----	
Oysters - Continued:				
Breaded, raw and cooked	Maryland, New Jersey, Pennsylvania, and Virginia	Pounds	533	1,397
Cooked pies, stuffed on the half shell, and steamed	New York, Pennsylvania, and Virginia	do	277	792
Shell grit and lime	Maryland, Pennsylvania, and Virginia	Tons	46	1,478
Scallops, fresh and frozen:				
Shucked:				
Bay	New York	Gallons	23	663
Sea	New York and Virginia	Pounds	2,859	5,692
Breaded, raw and cooked, and batter coated cooked	Maryland, Pennsylvania, and Virginia	do	3,527	7,498
Unclassified:				
Fresh and frozen:				
Fillets:				
Raw (1)	New Jersey, New York, and Pennsylvania	do	441	776
Breaded, raw and cooked, and batter coated cooked (2).	Maryland and Virginia	do	3,834	5,657
Sticks, cooked:				
Breaded	Maryland, New Jersey, and Pennsylvania	do	24,544	16,350
Batter coated	New Jersey and Pennsylvania	do	6,983	4,908
Portions:				
Raw:				
Not breaded	Maryland, New Jersey, and Pennsylvania	do	25,820	30,486
Breaded	Maryland, New Jersey, and Pennsylvania	do	26,278	24,245
Breaded and cooked	Maryland and Pennsylvania	do	53,726	40,563
Breaded, raw and cooked:				
Cakes and patties	Maryland and Pennsylvania	do	4,323	4,164
Dinners	New Jersey, Pennsylvania, and Virginia	do	16,897	18,274
Fish and shellfish (3)	Delaware, Maryland, New York, Pennsylvania, and Virginia	do	19,019	16,989
Canned:				
Gefiltefish				
	New Jersey and New York	Standard cases	269	7,531
Animal food	New Jersey, Pennsylvania, and Virginia	do	182	1,885
Other (4)	New Jersey, New York, Pennsylvania, and Virginia	do	334	12,686
Cured (5)	New Jersey, New York, Pennsylvania, and Virginia	Pounds	781	759
Industrial (6)	New Jersey, New York, Maryland, and Virginia	-	-	1,627
Total			-	526,795

(1) Includes cusk, haddock, hake, ocean perch, red snapper, shad, striped bass, whiting, whitefish, and yellow pike; and pollock steaks. (2) Includes breaded raw fillets of flounder, ocean perch, and unclassified fish; and batter coated cooked fillets of ocean perch and unclassified fish. (3) Includes catfish and unclassified trout dressed; flounders, breaded raw and stuffed; blue crab, breaded cooked and stuffed, and cooked soups; Jonah crabs, cooked meat and claws; shrimp, cooked and peeled; clams, cooked cocktails and juices; conch meat steamed; scallops cooked in sauces; fish sticks breaded raw; fish portions, batter coated cooked; and unclassified breaded cooked croquettes, and fish and chips; and unclassified fish in sauce. (4) Includes alewife roe; cod cakes; lumpfish caviar; tuna, natural pack, and with noodles; whitefish natural; blue crab, bisques and soups; American lobster and spiny lobster bisques; conch meats; mussel and oyster bisques; squid natural; turtle soups; and unclassified fish flakes, bites, hors d'oeuvres, roes, mixes, and sauces. (5) Includes smoked buffalofish, carp, cod, haddock, sea herring, lake trout, Atlantic mackerel, shad, tuna, and unclassified fish; and salted alewives and whitefish. (6) Includes the values of shark leather; clams and unclassified fish ground for animal food; mussel shell buttons; and unclassified meal, oil, and solubles.

Note:--Some of the products may have been processed from raw products imported from another State or a foreign country; therefore, they cannot be correlated directly with landings within the State. Certain items are shown in an intermediate and also a more advanced stage of processing.

GENERAL REVIEW**SOUTH ATLANTIC****SUMMARY OF PROCESSED PRODUCTS, 1977**

Item	Unit	Quantity	Dollars
		-----Thousands-----	
Fresh	Pounds	12,953	29,850
Frozen	do	44,391	80,959
Canned	Standard Cases	164	7,559
Cured	Pounds	4,061	6,053
Industrial			18,914
Total			143,135

VALUE OF PROCESSED PRODUCTS, BY STATES, 1977

State	Thousand dollars
North Carolina	29,212
South Carolina	12,710
Georgia	56,126
Florida East Coast	45,087
Total	143,135

PROCESSING AND WHOLESALE ESTABLISHMENTS AND EMPLOYMENT, 1977

State	Processing			Wholesale			Total		
	Plants	Employment average		Plants	Employment average		Plants	Employment average	
		Season	Year		Season	Year		Season	Year
-----Number-----									
North Carolina	76	1,908	1,293	144	620	477	220	2,528	1,770
South Carolina	18	585	413	92	410	256	110	995	669
Georgia	13	1,786	1,540	39	362	215	52	2,148	1,755
Florida East Coast	39	1,231	1,020	67	210	203	106	1,441	1,223
Total	146	5,510	4,266	342	1,602	1,151	488	7,112	5,417

Note:--Employment is reported by each plant for each month for the payroll period that includes the 12th of the month. Employment for the season is based on the greatest number of employees working during the payroll period that included the 12th of each month. Employment for the year is obtained by adding the number of employees recorded as working during the payroll period that included the 12th of each month, and dividing by 12.

GENERAL REVIEW

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SOUTH ATLANTIC

PROCESSED FISHERY PRODUCTS, 1977

Item	State	Unit	Quantity	Dollars
-----Thousands-----				
Alewives:				
Frozen for bait	North Carolina	Pounds	2,327	185
Salted	North Carolina	do	2,330	192
Bluefish, frozen fillets	Florida East Coast and North Carolina	do	53	43
Catfish, frozen dressed and skinned	Florida East Coast, North Carolina, and South Carolina	do	3,078	2,483
Flounders, fresh and frozen:				
Fillets	Florida East Coast, Georgia, North Carolina, and South Carolina	do	1,795	2,875
Breaded raw stuffed	Florida East Coast, Georgia, and North Carolina	do	375	596
King mackerel, fresh and frozen fillets and steaks	Florida East Coast	do	710	781
Menhaden:				
Meal and scrap	Florida East Coast and North Carolina	Tons	18	7,047
Oil	Florida East Coast and North Carolina	Pounds	3,301	547
Solubles	Florida East Coast and North Carolina	Tons	11	192
Sea trout, fresh and frozen fillets	Florida East Coast, Georgia, North Carolina, and South Carolina	Pounds	167	145
Snappers, red, fresh and frozen fillets	Florida East Coast	do	155	541
Spanish mackerel, fresh and frozen fillets	Florida East Coast	do	834	632
Crabs:				
Blue:				
Fresh and frozen:				
Cooked meat	Florida East Coast, Georgia, North Carolina, and South Carolina	do	3,414	15,306
Breaded raw:				
Deviled	Florida East Coast, Georgia, North Carolina, and South Carolina	do	2,099	2,366
Balls, cakes, sticks, and stuffed	Florida East Coast, Georgia, and North Carolina	do	49	97
Meal and scrap	Florida East Coast, Georgia, and North Carolina	Tons	1	170
Stone, fresh and frozen, cooked claws	Florida East Coast	Pounds	134	291
Lobsters, spiny, fresh and frozen:				
Raw tails	Florida East Coast and Georgia	do	851	4,625
Cooked whole	Florida East Coast	do	814	1,725
Shrimp, fresh and frozen:				
Raw, headless				
Peeled, including deveined, raw	Florida East Coast, Georgia, North Carolina, and South Carolina	do	1,796	4,804
Breaded raw and cooked, and batter coated cooked	Georgia and North Carolina	do	1,439	5,113
Clams, fresh and frozen shucked	Florida East Coast and Georgia	do	20,158	45,895
Oysters, fresh and frozen:	Florida East Coast and North Carolina	Gallons	12	128
Shucked:				
Breaded raw	Florida East Coast, Georgia, North Carolina, and South Carolina	do	127	1,918
Georgia and North Carolina	do	Pounds	803	1,210
Scallops, fresh and frozen:				
Shucked:				
Bay	North Carolina	Gallons	29	580
Calico	Florida East Coast and North Carolina	do	120	2,422
Sea	North Carolina	Pounds	1,163	2,350
Breaded raw and cooked	Florida East Coast and Georgia	do	1,136	2,548
Sealskins, processed	South Carolina	-	-	3,113
Unclassified:				
Fresh and frozen:				
For bait	North Carolina	do	1,959	98
Fillets (1)	Florida East Coast and North Carolina	do	404	425
Fish and shellfish (2)	Florida East Coast, Georgia, North Carolina, and South Carolina	do	8,541	10,427
Canned (3)	North Carolina and South Carolina	Standard cases	164	7,559
Cured (4)	Florida East Coast and North Carolina	Pounds	1,760	5,861
Industrial (5)	Florida East Coast and North Carolina	-	-	7,845
Total				143,135

(1) Includes grouper, mullet, pompano, saltwater sheepshead, striped bass, tilapias, and tilefish. (2) Includes ballyhoo, mullet, and gizzard shad for bait; eels dressed and skinned; flounder steaks breaded raw; mullet roe; ocean perch fillets breaded raw; spiny lobster meat cooked; shrimp, cooked and peeled, breaded raw, burgers stuffed, scampi, and cooked cocktails; rock shrimp, raw headless; fish sticks, breaded, raw and cooked, batter coated cooked; fish portions, breaded, raw and cooked, batter coated cooked, and unbreaded; and unclassified fish breaded raw dinners and in baskets. (3) Includes alewives, natural and roe; catfish stews; blue and red crab meat; blue crab, bisques and soups; shrimp bisques; clam chowders; and oysters, natural and stews. (4) Includes smoked butterfish, chubs, sea herring, king mackerel, sablefish, salmon, sturgeon and whitefish; salted, sea herring, mullet, and spot. (5) Includes the values of alewife meal, thread herring meal and oil; clam shells cleaned and polished for food serving; and unclassified meal and oil.

Note:--Some of the products may have been processed from raw products imported from another State or a foreign country; therefore, they cannot be correlated directly with landings within the State. Certain items are shown in an intermediate and also a more advanced stage of processing.

GENERAL REVIEW**GULF****SUMMARY OF PROCESSED PRODUCTS, 1977**

Item	Unit	Quantity	Dollars
		Thousands	
Fresh	Pounds	34,147	68,201
Frozen	do	210,327	523,047
Canned	Standard cases	5,480	73,501
Cured	Pounds	658	2,123
Industrial			70,916
Total			737,788

VALUE OF PROCESSED PRODUCTS, BY STATES, 1977

State	Thousand dollars
Florida West Coast	180,488
Alabama	90,434
Mississippi	108,660
Louisiana	198,671
Texas	159,535
Total	737,788

PROCESSING AND WHOLESALE ESTABLISHMENTS AND EMPLOYMENTS, 1977

State	Processing			Wholesale			Total		
	Plants	Employment average		Plants	Employment average		Plants	Employment average	
		Season	Year		Season	Year		Season	Year
					Number				
Florida West Coast	107	4,228	3,482	172	566	512	279	4,794	3,994
Alabama	50	2,298	1,488	43	199	148	93	2,497	1,638
Mississippi	38	1,782	1,295	27	131	97	65	1,913	1,382
Louisiana	139	4,676	3,103	111	566	457	250	6,242	3,560
Texas	54	2,497	1,778	114	1,856	916	168	4,353	2,894
Total	388	15,481	11,146	467	3,318	2,130	855	18,799	13,276

GULF

PROCESSED FISHERY PRODUCTS, 1977

Item	Unit	Quantity	Dollars	
		-----Thousands-----		
Catfish, fresh and frozen dressed and skinned, pond raised	Alabama and Mississippi	Pounds	13,133	17,137
Flounders, fresh and frozen breaded raw stuffed	Alabama, Florida West Coast, and Louisiana	do	1,637	2,442
Groupers, fresh and frozen fillets and steaks	Alabama and Florida West Coast	do	250	544
Menhaden:				
Meal and scrap	Louisiana	Tons	110	41,827
Oil	Louisiana and Mississippi	Pounds	82,857	18,689
Solubles	Louisiana and Mississippi	Tons	35	4,986
Mullet:				
Fresh and frozen:				
Roe	Florida West Coast	Pounds	42	121
Fillets	Florida West Coast	do	306	186
Salted, fish and roe	Florida West Coast	do	133	50
Sea trout, fresh and frozen fillets	Florida West Coast	do	24	34
Snappers, red, fresh and frozen fillets	Alabama, Florida West Coast, and Louisiana	do	81	226
Spanish mackerel, fresh and frozen fillets	Florida West Coast	do	2,496	2,087
Crabs:				
Blue:				
Fresh and frozen:				
Cooked:				
Meat	Alabama, Florida West Coast, Louisiana, Mississippi, and Texas	do	4,114	17,318
Claws	Florida West Coast and Louisiana	do	139	339
Breaded raw:				
Mixes	Alabama	do	229	254
Stuffed	Alabama, Louisiana, and Texas	do	4,448	5,693
Burgers, cakes, deviled, patties, and rolls	Alabama, Florida West Coast, Louisiana, and Texas	do	834	925
Stone, fresh and frozen cooked claws	Florida West Coast	do	153	277
Crawfish, fresh cooked meat	Louisiana	do	548	1,863
Lobsters, spiny, fresh and frozen:				
Raw tails	Florida West Coast and Louisiana	do	873	5,254
Cooked whole	Florida West Coast	do	674	1,602
Shrimp:				
Regular:				
Fresh and frozen:				
Raw, headless	Alabama, Florida West Coast, Louisiana, and Mississippi	do	109,984	308,635
Peeled, including deveined:				
Raw	Alabama, Florida West Coast, Louisiana, Mississippi, and Texas	do	25,967	62,683
Cooked	Florida West Coast, Louisiana, and Texas	do	1,213	4,162
Breaded raw	Florida West Coast, Louisiana, Mississippi, and Texas	do	53,178	118,016
Breaded raw:				
Patties	Alabama, Louisiana, and Texas	do	78	110
Stuffed	Alabama, Florida West Coast, Louisiana, and Texas	do	1,378	2,642
Canned, natural	Louisiana and Mississippi	Standard cases	2,130	48,271
Sun-dried	Louisiana	Pounds	534	2,073
Meal and scrap	Louisiana	Tons	(1)	32
Rock, fresh and frozen raw headless	Florida West Coast	Pounds	243	280
Oysters, fresh and frozen:				
Shucked	Alabama, Florida West Coast, Louisiana, Mississippi, and Texas	Gallons	1,813	29,730
Breaded raw	Florida West Coast, Louisiana, and Mississippi	Pounds	1,121	1,784
Scallops, fresh and frozen:				
Shucked:				
Bay	Florida West Coast and Louisiana	Gallons	8	149
Calico	Florida West Coast	do	20	334
Breaded raw	Florida West Coast, Louisiana, and Mississippi	Pounds	1,670	2,970
Unclassified:				
Fresh and Frozen:				
Fillets raw (2)	Florida West Coast and Louisiana	do	84	150

See footnotes at end of table.

(Continued on next page)

GENERAL REVIEW**GULF****PROCESSED FISHERY PRODUCTS, 1977**

Item	State	Unit	Quantity	Dollars
-----Thousands-----				
Unclassified Continued:				
Breaded raw				
Portions	Florida West Coast and Texas	Pounds	724	655
Dinners	Alabama and Florida West Coast	do	238	425
Fish and shellfish (3)	Alabama, Florida West Coast, Louisiana, and Mississippi	do	2,595	2,221
Canned:				
Animal food	Louisiana and Mississippi	Standard cases	3,244	23,218
Other (4)	Florida West Coast, Louisiana, and Mississippi	do	86	2,012
Industrial (5)	Alabama, Florida West Coast, Mississippi, and Texas	-	-	5,382
Total				737,788

(1) Less than 500 tons. (2) Includes catfish, croakers, red drum, flounders, pompano, saltwater sheepshead, tilefish, and warsaw; halibut, king mackerel, and salmon steaks. (3) Includes grouper fillets breaded raw; spanish mackerel for bait; cooked blue crab gumbos; shrimp, cocktails cooked, and burgers breaded raw; rock shrimp peeled raw; unclassified breaded raw fish patties and sticks, and unclassified breaded raw shellfish cakes. (4) Includes blue crab meat, conch chowders, oysters natural, turtle soup and chowders, and unclassified shellfish soup. (5) Includes the values of blue crab and unclassified meals; oyster shell grit and lime; and crab shells cleaned and polished for food serving.

Note: Some of the products may have been processed from raw products imported from another State or a foreign country; therefore, they cannot be correlated directly with landings within the State. Certain items are shown in an intermediate and also a more advanced stage of processing.

ALASKA

SUMMARY OF PROCESSED PRODUCTS, 1977

Item	Unit	Quantity	Dollars
		-----Thousands-----	
Fresh	Pounds	20,449	32,354
Frozen	do	99,311	249,977
Canned	Standard cases	3,875	218,046
Cured	Pounds	6,635	22,106
Industrial			742
Total			523,225

PROCESSING AND WHOLESALE ESTABLISHMENTS AND EMPLOYMENT, 1977

State	Processing			Wholesale			Total		
	Plants	Employment average		Plants	Employment average		Plants	Employment average	
		Season	Year		Season	Year		Season	Year
Alaska	199	11,498	6,800	-	-	-	199	11,498	6,800

Note:--Data for Alaska is partly estimated. Employment is reported by each plant for each month for the payroll period that includes the 12th of the month. Employment for the season is based on the greatest number of employees working during the payroll period that included the 12th of each month. Employment for the year is obtained by adding the number of employees recorded as working during the payroll period that included the 12th of each month, and dividing by 12.

GENERAL REVIEW

ALASKA

PROCESSED FISHERY PRODUCTS, 1977

Item	Unit	Quantity	Dollars
		Thousands	
Herring, sea:			
Fresh and frozen:			
Bait	Pounds	9,024	1,812
Roe	do	6,151	10,328
Eggs with kelp	do	82	84
Salted:			
Roe	do	331	1,237
Eggs with kelp	do	294	489
Salmon:			
Fresh and frozen, roe	do	5,121	20,375
Canned:			
Chinook or king	Standard cases	9	800
Chum or keta	do	480	26,509
Pink	do	1,342	84,775
Red or sockeye	do	782	74,938
Silver or coho	do	22	1,650
Total canned	do	2,596	188,762
Smoked	do	(1)	72
Cured:			
Salted and pickled:			
Fish	Pounds	1,779	4,859
Mild cured	do	288	213
Roe	do	3,938	15,479
Smoked	do	7	29
Crabs:			
Dungeness:			
Fresh and frozen, cooked:			
Whole	do	304	258
Meat	do	21	71
Sections	do	268	239
Canned	Standard cases	(1)	14
King:			
Fresh and frozen, cooked:			
Whole	Pounds	464	1,331
Meat	do	5,752	35,787
Sections	do	42,951	131,563
Canned	Standard cases	19	2,919
Snow (tanner):			
Fresh and frozen, cooked:			
Whole	Pounds	1,171	1,003
Meat	do	4,644	15,980
Sections	do	33,295	41,626
Canned	Standard cases	94	8,612
Shrimp:			
Fresh and frozen:			
Whole	Pounds	7,316	15,338
Raw headless	do	3,103	7,021
Canned	Standard cases	1,166	17,667
Abalone, fresh and frozen:			
Whole	Pounds	10	25
Meat	do	2	10
Clams, razor, fresh and frozen dressed meat	do	3	3
Scallops, sea, fresh and frozen, shucked	do	22	51
Unclassified:			
Fresh and frozen bait:			
Fish	do	54	17
Shellfish	do	1	1
Industrial products	-	-	742
Total	-	-	523,225

(1) Less than 500 standard cases.

Note:--Some of the products may have been processed from raw products imported from another State, or a foreign country; therefore, they cannot be correlated directly with landings within the State. Certain items are shown in an intermediate and also a more advanced stage processing. Data for some items have been estimated.

PACIFIC

SUMMARY OF PROCESSED PRODUCTS, 1977

Item	Unit	Quantity	Dollars
		-----Thousands-----	
Fresh	Pounds	55,486	61,699
Frozen	do	103,050	151,794
Canned	Standard Cases	18,493	546,507
Cured	Pounds	6,005	19,000
Industrial			30,275
Total			809,275

VALUE OF PROCESSED PRODUCTS, BY STATES, 1977

State	Thousand dollars
Washington	85,586
Oregon	76,089
California	647,600
Total	809,275

PROCESSING AND WHOLESALE ESTABLISHMENTS AND EMPLOYMENT, 1977

State	Processing			Wholesale			Total		
	Plants	Employment average		Plants	Employment average		Plants	Employment average	
		Season	Year		Season	Year		Season	Year
					-----Number-----				
Washington	91	2,954	2,071	31	786	486	122	3,740	2,557
Oregon	50	2,985	1,944	19	137	95	69	3,122	2,039
California	92	11,502	8,797	113	1,055	937	205	12,557	9,734
Total . . .	233	17,441	12,812	163	1,978	1,518	396	19,419	14,330

Note:--Employment is reported by each plant for each month for the payroll period that includes the 12th of the month. Employment for the season is based on the greatest number of employees working during the payroll period that included the 12th of each month. Employment for the year is obtained by adding the number of employees recorded as working during the payroll period that included the 12th of each month, and dividing by 12.

GENERAL REVIEW

PACIFIC

PROCESSED FISHERY PRODUCTS, 1977

Item	State	Unit	Quantity	Dollars
-----Thousands-----				
Anchovies:				
Frozen for bait	California	Pounds	1,049	255
Meal and scrap	California	Tons	19	6,474
Oil	California	Pounds	6,176	846
Barracuda, smoked	California	do	1	(1)
Cod, fresh and frozen fillets:				
Raw	California, Oregon, and Washington	do	3,008	2,641
Breaded raw	California	do	2,607	3,358
Flounders, fresh and frozen fillets	California, Oregon, and Washington	do	11,860	14,888
Halibut:				
Fresh and frozen fillets, steaks, and cheeks	California and Washington	do	1,966	4,581
Smoked	California and Washington	do	292	422
Herring, sea, fresh and frozen for bait	California and Washington	do	8,145	2,402
Jack mackerel:				
Frozen for bait	California	do	127	28
Canned:				
Natural	California	Standard cases	686	11,869
Animal food	California	do	167	3,876
Smoked	California	Pounds	2	1
Lingcod, fresh and frozen fillets	California, Oregon, and Washington	do	1,419	1,259
Ocean perch, Pacific, fresh and frozen fillets	California, Oregon, and Washington	do	2,488	1,919
Hockfish:				
Fresh and frozen fillets	California, Oregon, and Washington	do	8,625	6,897
Sablefish:				
Fresh and frozen fillets	California, Oregon, and Washington	do	1,916	988
Smoked	California and Washington	do	307	558
Salmon:				
Fresh and frozen fillets and steaks	California, Oregon, and Washington	do	3,153	7,015
Canned:				
Chinook or king	California, Oregon, and Washington	Standard cases	6	745
Chum or keta	Washington	do	10	719
Pink	Oregon and Washington	do	127	9,448
Red or sockeye	Washington	do	71	8,220
Silver or coho	Oregon and Washington	do	18	1,742
Total		do	232	20,874
Eggs for bait:				
Smoked natural and smoked paste	Washington	do	9	4,464
Smoked natural and smoked paste	Oregon and Washington	do	2	486
Cured:				
Salted and pickled	Washington	Pounds	61	213
Mild cured	California and Washington	do	654	1,790
Caviar	Washington	do	750	3,593
Eggs for bait	Washington	do	235	779
Smoked	California, Oregon, and Washington	do	2,804	10,450
Seabass, fresh and frozen fillets:				
California	California	do	68	121
Shark:				
Fresh and frozen fillets	California and Washington	do	2,749	1,118
Smoked	California	do	(1)	(1)
Sturgeon:				
Canned, smoked	Oregon and Washington	Standard cases	1	138
Smoked	California	Pounds	25	106
Tuna:				
Canned:				
Albacore	California, Oregon, and Washington	Standard cases	1,734	65,311
Lightmeat	California and Oregon	do	10,683	333,859
Total		do	12,417	399,170
Animal food:				
Smoked	California and Oregon	do	2,823	64,263
Smoked	Oregon and Washington	do	(1)	9
Smoked	California and Washington	Pounds	41	59
Tuna-like fish: bonito and yellowtail:				
Canned: natural:				
California	California	Standard cases	473	10,635
Smoked	California	Pounds	27	31
Turbot, fresh and frozen fillets:				
California, Oregon, and Washington	California, Oregon, and Washington	do	117	95

See footnotes at end of table

(Continued on next page)

GENERAL REVIEW PACIFIC PROCESSED FISHERY PRODUCTS, 1977

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Item	State	Unit	Quantity	Dollars
-----Thousands-----				
Crabs, dungeness:				
Fresh and frozen:				
Whole	California, Oregon, and Washington	Pounds	11,995	9,220
Meats	California, Oregon, and Washington	do	3,879	14,674
Sections	Oregon and Washington	do	78	389
Canned, natural	Oregon and Washington	Standard cases	14	1,327
Lobsters, spiny, fresh and frozen cooked whole				
	California	Pounds	36	111
Shrimp:				
Fresh and frozen:				
Peeled, including deveined:				
Raw	California and Washington	do	6,301	12,795
Cooked	California, Oregon, and Washington	do	13,088	29,116
Breaded raw and batter coated cooked	California and Washington	do	12,170	33,182
Breaded raw, burgers and dinners	California	do	1,696	2,784
Canned, natural	Oregon and Washington	Standard cases	404	7,265
Abalone, fresh and frozen steaks				
	California	Pounds	133	1,017
Clams, hard, fresh and frozen shucked				
	Oregon and Washington	Gallons	29	161
Oysters:				
Eastern, frozen, breaded raw and cooked ..				
	California	Pounds	909	1,390
Pacific:				
Fresh and frozen:				
Shucked	California, Oregon, and Washington	Gallons	706	7,530
Breaded raw	Washington	Pounds	17	23
Canned:				
Natural	Washington	Standard cases	26	439
Stews	Washington	do	103	2,499
Smoked	Washington	do	1	95
Western, fresh shucked	Washington	Gallons	1	103
Scallops, sea, breaded raw and cooked				
	California	Pounds	2,302	4,826
Squid, frozen natural				
	California	do	8,168	1,775
Sea urchins, fresh roe				
	California	do	290	1,675
Unclassified:				
Fresh and frozen:				
Fillets:				
Raw (2)	California and Oregon	do	1,106	941
Breaded raw and cooked, and batter coated cooked (3)	California	do	3,222	3,564
Sticks, breaded:				
Raw	California and Washington	do	2,489	2,490
Cooked	California and Washington	do	3,175	2,911
Portions:				
Raw:				
Not breaded	California	do	124	163
Breaded	California and Washington	do	24,540	25,794
Breaded and cooked	California and Washington	do	1,121	1,228
Cakes and patties, breaded raw and cooked	California and Washington	do	1,396	1,821
Fish and shellfish (4)	California, Oregon, and Washington	do	4,656	6,245
Canned:				
Animal food	California and Washington	Standard cases	853	14,043
Other (5)	California, Oregon, and Washington	do	282	5,055
Cured (6)	California and Washington	Pounds	806	998
Industrial (7)	California, Oregon, and Washington	-	-	22,955
Total				809,275

(1) Less than 500 pounds, 500 standard cases, or \$500. (2) Includes dolphin, saltwater sheepshead, sturgeon, and unclassified fish. (3) Includes breaded raw fillets of flounder and ocean perch; breaded cooked fillets of unclassified fish; and batter coated cooked fillets of halibut, and unclassified fish. (4) Includes cod cooked paste; salmon and trout, pond raised, dressed, and skinned; shad and smelt for bait; shad roe; skate wings; salmon sticks breaded raw; dungeness crab, cooked cocktails and in sauces; spiny lobster tails raw; geoduck and razor clams shucked; octopus dressed; fish portions, batter coated cooked; unclassified fish cooked, antipastos, cocktails, and in sauces, and breaded cooked fish and chips. (5) Includes anchovies in tomato sauce; herring for bait; shad, trout, and dungeness crab smoked; tuna spreads and sauces; dungeness crab sections; shrimp pickled; abalone natural; clams whole, minced, juice, chowder, and chowder bases, and in shell; geoduck clam minced; razor clam whole, minced, chowder bases, and smoked; oysters sauces; and squid natural. (6) Includes smoked carp, catfish, cod, dolphin, flounder, sea herring, lingcod, marlin, Pacific perch, pike or pickerel, seabass, seatrout, shad snapper, striped bass, trout, wahoo, whitefish, whiting, abalone, octopus, and unclassified fish; salted cod, sea herring, and sablefish; dried cod (lutefisk), oysters, and scallops. (7) Includes the values of jack mackerel meal and oil; dungeness crab and shrimp meals; tuna meal and oil; unclassified meal, oil, and solubles; crab chitosin, and chitin; fish pellets; fish ground for animal food; liquid fertilizers; kelp products; and oyster shell grit.

Note:--Some of the products may have been processed from raw products imported from another State or a foreign country; therefore, they cannot be correlated directly with landings within the State. Certain items are shown in an intermediate and also a more advanced stage or processing.

GENERAL REVIEW**INLAND WATERS****SUMMARY OF PROCESSED PRODUCTS, 1977**

Item	Unit	Quantity	Dollars
		Thousands	
Fresh	Pounds	9,944	15,471
Frozen	do	77,832	91,392
Canned	Standard cases	1,236	11,778
Cured	Pounds	13,677	19,054
Industrial		-	2,818
Total			140,513

VALUE OF PROCESSED PRODUCTS, BY STATES, 1977

State	Thousand dollars
Arkansas, Kentucky, and Tennessee	766
Colorado and Utah	3,843
Idaho	25,442
Illinois	13,299
Iowa	1,166
Michigan	3,681
Minnesota	6,103
Missouri	1,871
North Dakota, Oklahoma, and South Dakota	168
Ohio	67,279
Wisconsin	16,895
Total	140,513

PROCESSING AND WHOLESALE ESTABLISHMENTS, AND EMPLOYMENT, 1977

State	Processing			Wholesale			Total		
	Plants	Employment average		Plants	Employment average		Plants	Employment average	
		Season	Year		Season	Year		Season	Year
	-----Number-----								
Arkansas, Kentucky, and Tennessee	3	55	45	81	288	271	84	343	316
Colorado and Utah	4	59	56	8	45	40	12	104	96
Idaho	8	410	410	2	4	4	10	414	414
Illinois	16	390	356	35	518	486	51	908	842
Indiana	-	-	-	10	83	77	10	83	77
Iowa	6	73	62	9	107	102	15	180	164
Kansas	-	-	-	5	313	297	5	313	297
Michigan	18	192	153	23	220	208	41	412	361
Minnesota	7	230	123	8	81	77	15	311	200
Missouri	3	140	120	18	175	169	21	315	289
Nebraska and Nevada	-	-	-	5	21	20	5	21	20
North Dakota, Oklahoma, and South Dakota	3	11	8	15	60	56	18	71	64
Ohio	13	485	397	15	72	66	28	557	463
Wisconsin	26	255	235	18	205	188	44	460	423
Total	107	2,300	1,965	252	2,192	2,061	359	4,492	4,026

Note:--Employment is reported by each plant for each month for the payroll period that includes the 12th of the month. Employment for the season is based on the greatest number of employees working during the payroll period that included the 12th of each month. Employment for the year is obtained by adding the number of employees recorded as working during the payroll period that included the 12th of each month, and dividing by 12.

INLAND WATERS

PROCESSED FISHERY PRODUCTS, 1977

Item	State	Unit	Quantity	Dollars
			-----Thousands-----	
Buffalofish, fresh and frozen fillets	Illinois and Iowa	Pounds	92	50
Carp:				
Fresh and frozen fillets	Illinois, Iowa, and Wisconsin	do	2,619	1,266
Smoked	Illinois, Iowa, South Dakota, and Wisconsin	do	170	97
Catfish, fresh and frozen, dressed and skinned:				
Wild	Illinois, Iowa, Michigan, and Wisconsin	do	657	864
Pond raised	Arkansas and Idaho	do	669	840
Chubs, smoked	Illinois, Michigan, Minnesota, Ohio, and Wisconsin	do	962	1,943
Cod, dried, lutefisk	Illinois and Minnesota	do	670	748
Herring:				
Lake:				
Salted	Michigan and Minnesota	do	526	204
Smoked	Michigan, Minnesota, and Wisconsin	do	86	82
Sea, salted and pickled, and in wine and cream sauces	Illinois, Michigan, Minnesota, Ohio, and Wisconsin	do	9,788	12,967
Lake trout:				
Fresh and frozen fillets	Illinois, Michigan, and Wisconsin	do	173	384
Smoked	Illinois, Michigan, Minnesota, and Wisconsin	do	55	114
Ocean perch, Atlantic, frozen breaded raw fillets	Illinois, Ohio, Tennessee, and Wisconsin	do	314	287
Paddlefish, smoked	Illinois, Iowa, and Michigan	do	262	483
Pike or pickerel, fresh and frozen fillets	Michigan, Minnesota, Ohio, and Wisconsin	do	302	564
Sablefish, smoked	Illinois, Missouri, Ohio, and Wisconsin	do	340	771
Salmon, smoked	Illinois, Iowa, Michigan, Minnesota, Missouri, Ohio, and Wisconsin	do	368	991
	Ohio and Wisconsin	do	173	437
Sauger, fresh and frozen fillets				
Sheepshead, freshwater, fresh and frozen fillets	Illinois, Iowa, Minnesota, and Wisconsin	do	60	124
Snappers, red, fresh and frozen fillets	Illinois, Michigan, and Ohio	do	146	363
Sturgeon, smoked	Illinois and Iowa	do	35	106
Trout, fresh and frozen:				
Dressed and boned	Idaho and Utah	do	18,900	23,090
Breaded raw:				
Stuffed	Idaho	do	747	1,759
Boned	Idaho	do	168	189
Whitefish:				
Fresh and frozen fillets	Illinois, Michigan, Ohio, and Wisconsin	do	818	1,767
Smoked	Illinois, Michigan, Minnesota, Ohio, and Wisconsin	do	184	335
Whiting, smoked	Illinois, Iowa, South Dakota, and Wisconsin	do	165	131
Yellow perch, fresh and frozen fillets:				
Raw	Illinois, Michigan, and Wisconsin	do	2,461	6,310
Breaded raw	Illinois, Michigan, and Wisconsin	do	386	865
Yellow pike, fresh and frozen fillets	Illinois, Michigan, Ohio, and Wisconsin	do	869	1,590
Shrimp, frozen breaded raw	Illinois, Kentucky, Minnesota, Ohio, Oklahoma, Tennessee, and Wisconsin	do	135	222
Oysters, Eastern, breaded raw	Colorado, Illinois, Kentucky, Ohio, and Tennessee	do	190	356
Scallops, sea, breaded raw	Illinois, Kentucky, Tennessee, and Wisconsin	do	88	194
Turtles, fresh and frozen steaks	Iowa and Wisconsin	do	10	17
Unclassified:				
Fresh and frozen fillets and steaks:				
Raw (1)	Iowa, Michigan, Minnesota, North Dakota, Ohio, and Wisconsin	do	451	661
Breaded raw (2)	Illinois, Minnesota, North Dakota, Tennessee, and Wisconsin	do	122	257
Portions:				
Raw:				
Not breaded	Kentucky, Missouri, and Ohio	do	1,573	2,129
Breaded	Colorado, Kentucky, Missouri, and Ohio	do	34,579	39,133

See footnotes at end of table.

(Continued on next page)

GENERAL REVIEW**INLAND WATERS****PROCESSED FISHERY PRODUCTS, 1977**

Item	State	Unit	Quantity	Dollars
-----Thousands-----				
Unclassified - Continued:				
Breaded and cooked	Colorado, Missouri, and Ohio	Pounds	6,103	5,308
Fish and shellfish (3)	Iowa, Kentucky, Minnesota, Missouri, Tennessee, and Wisconsin	do	14,872	17,837
Canned (4)	Illinois, Michigan, and Wisconsin	Standard cases	1,236	11,778
Cured (5)	Illinois, Iowa, Minnesota, Missouri, and Wisconsin	Pounds	66	82
Industrial (6)	Iowa, Michigan, Minnesota, Utah, and Wisconsin			2,818
Total				140,513

(1) Includes lake herring, mullet, ocean perch, seabass, suckers, trout, and whitebass; and catfish, halibut, and salmon steaks. (2) Includes breaded raw fillets of cod, flounder, sauger, yellow pike, and unclassified fish, and breaded raw halibut steaks. (3) Includes bullheads dressed and skinned; carp roe; cod cakes, breaded raw; fish sticks breaded, raw and cooked; fish portions batter coated cooked; fish dinners breaded raw; blue crabs deviled; slipper lobster meat breaded raw; and frog legs raw, and breaded raw. (4) Includes anchovies, lake trout, salmon, lobster and shrimp pates; clam creoles; whitefish roe; and animal food. (5) Includes smoked buffalofish, bullheads, catfish, eels, mooneye, tullibee, and unclassified fish. (6) Includes the values of carp meal and oil; lake herring, smelt, and unclassified fish ground for animal food; unclassified meal and oil; and fish pellets.

Note:--Some of the products may have been processed from raw products imported from another State or a foreign country; therefore, they cannot be correlated directly with landings within the State. Certain items are shown in an intermediate and also a more advanced stage of processing.

GENERAL REVIEW

HAWAII AND PUERTO RICO

SUMMARY OF PROCESSED PRODUCTS, 1977

Item	Unit	Quantity	Dollars
		-----Thousands-----	
Fresh	Pounds	2,036	3,103
Canned	Standard cases	16,844	541,510
Cured	Pounds	518	1,130
Industrial		-	5,276
Total			551,019

VALUE OF PROCESSED PRODUCTS, BY STATES, 1977

State and area	Thousand dollars
Hawaii and American Samoa	132,262
Puerto Rico	418,757
Total	551,019

PROCESSING AND WHOLESALE ESTABLISHMENTS AND EMPLOYMENT, 1977

State and area	Processing			Wholesale			Total		
	Plants	Employment average		Plants	Employment average		Plants	Employment average	
		Season	Year		Season	Year		Season	Year
	-----Number-----								
Hawaii and American Samoa . . .	19	1,857	1,724	19	251	251	38	2,108	1,975
Puerto Rico	5	6,682	5,622	-	-	-	5	6,682	5,622
Total	24	8,539	7,346	19	251	251	43	8,790	7,597

Note:--Employment is reported by each plant for each month for the payroll period that includes the 12th of the month. Employment for the season is based on the greatest number of employees working during the payroll period that included the 12th of each month. Employment for the year is obtained by adding the number of employees recorded as working during the payroll period that included the 12th of each month, and dividing by 12.

GENERAL REVIEW

HAWAII AND PUERTO RICO PROCESSED FISHERY PRODUCTS, 1977

Item	State and area	Unit	Quantity	Dollars
			-----Thousands-----	
Pollock, Pacific, fresh breaded cooked cakes	Hawaii	Pounds	1,556	2,545
Sablefish, salted in wine and bean curd	do	do	129	276
Salmon, salted with tomatoes, onions, and vegetables	do	do	14	25
Tuna:				
Canned:				
Albacore	Hawaii, American Samoa, and Puerto Rico	Standard cases	4,312	169,706
Lightmeat	do	do	10,743	331,617
Total	do	do	15,055	501,323
Animal food	do	do	1,784	40,187
Sun dried	Hawaii	do	48	214
Unclassified:				
Fresh (1)	Hawaii	Pounds	478	559
Canned	American Samoa	Standard cases	-	(2)
Cured (3)	Hawaii	Pounds	328	614
Industrial (4)	Hawaii and American Samoa	Pounds	-	5,276
Total			-	551,019

(1) Includes butterfish steamed with vegetables; dolphin fillets raw; rockfish breaded cooked cakes; tuna diced with condiments; unclassified fish cakes breaded and cooked; limpets shucked; octopus cooked with vegetables. (2) Included with canned animal food. (3) Includes bigeye scad, Pacific mackerel, mackerel scad, and unclassified fish sun dried; marlin, and sablefish salted; and tuna smoked. (4) Includes the values of tuna, meal, oil, and solubles.

Note:--Some of the products may have been processed from raw products imported from another State or a foreign country; therefore, they cannot be correlated directly with landings within the State. Certain items are shown in an intermediate and also a more advanced stage of processing.

CURED FISHERY PRODUCTS, 1977

Item	Pounds	Dollars
	-----Thousands-----	
Salted and pickled:		
Alewives	3,154	461
Cod	113	113
Herring:		
Lake	526	204
Sea	19,071	29,087
Mullet	211	79
Pollock	41	33
Sablefish	379	590
Salmon	9,037	34,127
Other (hake, sea herring, marlin, mullet, spot, salmon, tuna, and whitefish)	129	429
Total	32,661	65,123
Smoked:		
Alewives	60	36
Barracuda	1	(1)
Buffalofish	16	23
Butterfish	44	100
Carp	175	105
Catfish	1	1
Chubs	2,657	6,344
Eels	54	147
Halibut	292	422
Herring:		
Lake	86	82
Sea	503	470
Jack mackerel	2	1
Lake trout	60	126
Paddlefish	262	483
Sablefish	2,120	5,086
Salmon	10,410	50,938
Shad	84	65
Shark	(1)	(1)
Sturgeon	517	2,370
Tuna	46	73
Tunalike (bonito and yellowtail)	27	31
Whitefish	2,335	4,905
Whiting	1,172	1,253
Other (bullheads, cod, dolphin, flounder, haddock, hake, King mackerel, lingcod, Atlantic mackerel, marlin, mooneye, Pacific perch, pollock, rockfish, seabass, sea trout, red snapper, striped bass, trout, tullibee, wahoo, abalone, octopus, oysters, and unclassified fish)	434	691
Total	21,358	73,752
Dried:		
Cod	846	862
Tuna	48	214
Shrimp	524	2,073
Other (bigeye scad, Pacific mackerel, mackerel scad, pollock, tuna, abalone, oysters, scallops, and unclassified fish)	30	58
Total	1,448	3,207
Grand total	55,467	142,082

(1) Less than 500 lb or \$500.

CANNED FISHERY PRODUCTS, 1977

The 1977 pack of canned fishery products in the United States, American Samoa, and Puerto Rico was 51.4 million standard cases (1.4 billion pounds) valued at \$1.5 billion—a decrease of 3.4 million standard cases, (143.9 million pounds) but an increase of \$124.6 million compared with the 1976 pack. The 1977 pack included 40.8 million standard cases (908.6 million pounds) for human consumption and 10.7 million standard cases (512.7 million pounds) for bait and animal food. The packs of jack mackerel, natural pack of salmon and salmon specialties, tunalike fish, clams and clam products, the pack of crabmeat and crab specialties, lobster meat and lobster specialties, shrimp and shrimp specialties, anchovy paste, herring and herring specialties, and other shellfish specialties all increased in 1977 but the remaining packs of fish and shellfish declined.

Salmon. The 1977 U.S. pack of Pacific salmon was 2.8 million standard cases valued at \$209.6 million, an increase of 216,000 standard cases and \$16.8 million compared with 1976. The Alaska pack, the largest since 1970, contributed 92 percent of the total Pacific salmon, and was 124,900 standard cases more than the 1976 pack. The Washington pack increased by 95,400 standard cases while the pack in Oregon declined by 4,300 standard cases. Exports of canned salmon were 21.3 million pounds in 1977, while 19.6 million pounds were exported in 1976.

Sardines. The pack of Maine sardines (sea herring) was 1.0 million standard cases (23.5 million pounds) valued at a record \$27.2 million. This was 63,000 standard cases (1.5 million pounds) less, but \$2.7 million more than the 1976 pack. Herring specialties packed in 1977 were 138,900 standard cases, almost the same amount as packed in 1976. However, 1977 value of these specialties, \$7.1 million, was \$641,000 more than the \$6.5 million value in 1976.

Tuna. The 1977 U.S. pack of tuna was 27.7 million standard cases (548.0 million pounds) valued at \$906.6 million. The pack was 2.6 million standard cases less than the 1976 pack of 30.3 million cases, but was valued at \$53.2 million more than the 1976 value of \$853.5 million. The pack of albacore (white meat tuna) of 6.2 million standard cases was 255,100 standard cases more than the 6.0 million packed in 1976. Lightmeat tuna (bigeye, bluefin, skipjack, and yellowfin) comprised the remaining 21.4 million standard cases. Plants in the continental United States packed about 46 percent of the total. Plants in American Samoa, Hawaii, and Puerto Rico packed the remainder.

The production of canned tuna packed from landings by U.S. fishermen was 206.8 million pounds (canned weight), 80.2 million pounds less than the record year of 1976 when 287.0 million pounds were packed. The production of canned tuna packed from imported tuna was 341.2 million pounds—9 percent over 1976.

Clams. The U.S. pack of clam products excluding clam specialties was 2.8 million standard cases valued at a record \$64.5 million in 1977—an increase of 425,600 standard cases and \$25.2 million over the 1976 pack. This increase can be attributed to larger landings of ocean quahogs, which were 18.5 million pounds (meat weight) in 1977 compared with 5.6 million pounds in 1976. Whole and minced clams contributed 762,700 standard cases (27 percent) to the pack in 1977, and chowder and juice made up the rest.

Shrimp. The U.S. pack of canned shrimp was 3.7 million standard cases valued at \$73.2 million in 1977—an increase of 31 percent in quantity and 41 percent in value over 1976. Of the 3.6 million standard cases packed, 2.1 million were canned in plants in Louisiana and Mississippi, the rest in plants in Oregon, Washington, and Alaska.

Other items. The U.S. pack of jack mackerel was 686,400 standard cases valued at \$11.9 million in 1977, compared with the 147,600 standard cases valued at \$2.1 million in 1976. This increase was caused by near record landings of jack mackerel totaling 105.2 million pounds, the largest since 1952. The pack of tunalike fish (bonito and yellowtail) was 473,300 standard cases valued at \$10.6 million. This was more than double the 1976 production of 163,400 standard cases valued at \$2.9 million. Landings of bonito increased from 8.8 million pounds in 1976 to 23.0 million pounds in 1977. The pack of crabmeat was 237,000 standard cases valued at \$19.6 million—41,600 standard cases and \$6.5 million more than the 1976 pack.

Petfood. In 1977, the pack of pet food (10 pounds or more of fish per standard case of 48 one-pound cans) was 10.7 million standard cases valued at \$165.7 million—a decrease of 3.1 million standard cases and \$30.2 million compared with the 1976 pack. The chief cause of this decline was a sharply lower production of canned pet food containing tuna products—a direct result of the smaller pack of canned tuna for human consumption in 1977.

GENERAL REVIEW

SUMMARY OF PRODUCTION, BY PRODUCTS, 1977

Products	Plants	Production			
		Number	Pounds per case	Standard cases	Thousand pounds	Thousand dollars
For human consumption:					
Fish:					
Anchovy paste	4	48	65,225	3,131	2,834
Gefiltefish	4	48	268,515	12,889	7,531
Herring and herring specialties	13	48	138,862	6,665	7,114
Mackerel, jack	5	45	686,445	30,890	11,869
Roe and caviar	8	48	17,939	861	6,038
Salmon:					
Natural	78	48	2,826,850	135,689	209,636
Smoked	22	48	2,408	116	529
Pastes, spreads, and smoked paste	4	48	527	25	36
Sardines, Maine	16	23.4	1,004,108	23,496	27,205
Sturgeon, smoked	11	48	707	34	138
Tuna:					
Solid	26	21	6,279,135	131,862	239,319
Chunks	21	19.5	20,857,776	406,727	655,140
Flakes and grated	18	18	523,326	9,420	12,155
Total tuna	(1) 26	-	27,660,237	548,009	906,614
Smoked, spreads, and with noodles	8	48	4,136	199	149
Tunelike fish (bonito and yellowtail)	6	21-19.5-18	473,298	9,493	10,635
Other fish specialties	17	48	83,351	4,001	2,044
Total fish	-	-	33,232,608	775,498	1,192,372
Shellfish:					
Clams and clam products:					
Whole	4	15	4,472	(2) 67	206
Minced	11	15	758,238	(2) 11,374	26,063
Chowder	13	30	1,826,643	(2) 54,799	35,566
Juice	11	30	242,307	(2) 7,269	2,686
Total	(1) 19	-	2,831,660	(2) 73,509	64,521
Specialties	12	48	148,556	7,131	7,050
Crabs:					
Natural	13	19.5	237,019	4,622	19,617
Specialties	4	48	6,882	330	313
Lobster meat and lobster specialties	5	48	11,415	548	576
Oysters:					
Natural	9	7	146,735	(3) 1,027	2,687
Specialties	10	48	192,086	9,220	6,423
Shrimp:					
Natural	22	6.75	3,699,824	(3) 24,974	73,203
Specialties	6	48	45,775	2,197	1,942
Squid	8	48	141,438	6,789	2,218
Other shellfish specialties	9	48	57,636	2,767	2,075
Total shellfish	-	-	7,519,026	133,114	180,625
Total for human consumption	-	-	40,751,634	908,612	1,372,997
For animal food and bait:					
Animal food	35	48	10,672,247	512,268	165,686
Salmon eggs and herring minnows for bait	7	48	8,641	415	4,469
Total for animal food and bait	42	48	10,680,888	512,683	170,155
Grand total	(1) 219	-	51,432,522	1,421,295	1,543,152

(1) Exclusive of duplication. (2) "Cut out" or "drained" weight of can contents is given for whole or minced clams, and net contents for other clam products. (3) Drained weight.

VALUE OF PRODUCTION BY STATE AND NUMBER OF PLANTS, 1977

State and number of plants	Standard cases	Thousand dollars
Maine (18)	2,049,096	55,181
Massachusetts (2) and Delaware (2)	1,131,111	31,207
New York (5)	166,167	5,548
New Jersey (12)	1,517,109	40,295
Pennsylvania (3)	225,381	5,222
Maryland (1) and Virginia (3)	271,842	6,798
North Carolina (3)	42,140	2,079
South Carolina (2) and Florida (2)	123,804	5,551
Louisiana (12)	1,983,801	44,036
Mississippi (7)	3,474,149	29,394
Illinois (1) and Michigan (2)	265,904	1,412
Wisconsin (3)	970,521	10,366
California (17)	16,467,385	475,361
Oregon (11)	1,120,411	32,442
Washington (43)	904,233	38,704
Alaska (62)	3,875,101	218,046
Puerto Rico (5), American Samoa (2), and Hawaii (1)	16,844,367	541,510
Total (219)	51,432,522	1,543,152

FACTOR USED TO CONVERT STANDARD CASES TO POUNDS

Product	1941	1942	1943	1944	1948
				to 1947	to 1951
----- Pounds per case -----					
Sardines:					
Maine	25	20.3	20.3	20.3	20.3
Pacific	48	45	45	45	45
Tuna and tunalike fishes:					
Solid	21	22.5	22.5	45	45
Chunks	-	-	-	(1)	(1)
Flakes	21	18	18	18	18
Mackerel	48	45	45	45	45
Alewives	48	48	45	45	45
Anchovies	48	48	48	48	48
Shad	48	48	48	45	45
Fish flakes	48	48	48	42	42
Oysters	15	15	22.5	22.5	14
Shrimp, wet pack	17.25	21	21	21	15
Clam products:					
Whole and minced	15	15	15	15	15
Juice, chowder, broth, et. al.	30	30	30	30	30
Crabs	39	39	39	39	19.5
All other	48	48	48	48	48
----- Pounds per case -----					
Product	1952	1953 to 1957	1958 to 1964	1965 to 1969	1970 to 1977
----- Pounds per case -----					
Sardines:					
Maine	20.3	20.3	23.4	23.4	23.4
Pacific	45	45	45	45	45
Tuna and tunalike fishes:					
Solid	21	21	21	21	21
Chunks	19.5	19.5	19.5	19.5	19.5
Flakes	18	18	18	18	18
Mackerel	45	45	45	45	45
Alewives	45	45	45	45	45
Anchovies	48	31.25	31.25	31.25	31.25
Shad	45	45	45	45	45
Fish flakes	42	48	48	48	48
Oysters	14	14	14	14	7
Shrimp, wet pack	15	15	15	6.75	6.75
Clam products:					
Whole and minced	15	15	15	15	15
Juice, chowder, broth, et. al.	30	30	30	30	30
Crabs	19.5	19.5	19.5	19.5	19.5
All other	48	48	48	48	48

(1) Prior to 1952 chunk pack tuna was included with the flake pack.

Note:--The factors listed above were used in converting standard cases reported in the "Canned Fishery Products" bulletins for the years indicated.

GENERAL REVIEW

PACK OF SALMON, BY STATES, 1977

Species	Alaska		Washington	
	Standard cases	Thousand dollars	Standard cases	Thousand dollars
Chinook or king	8,501	800	5,085	543
Chum or keta	460,177	26,599	10,522	719
Pink	1,342,277	84,775	126,938	9,448
Red or sockeye	761,528	74,938	70,541	8,220
Silver or coho	21,908	1,650	17,819	1,716
Total	2,594,391	188,762	230,905	20,646

Species	Oregon		Total	
	Standard cases	Thousand dollars	Standard cases	Thousand dollars
Chinook or king	(1) 1,395	(1) 202	14,981	1,545
Chum or keta	-	-	470,699	27,318
Pink	(2)	(2)	1,469,215	94,223
Red or sockeye	-	-	832,069	83,158
Silver or coho	159	26	39,886	3,392
Total	1,554	228	2,826,850	209,636

(1) Includes a small pack produced in California. (2) Included with Washington production.

Note:—"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 16 oz net weight. Salmon were canned in 50 plants in Alaska, 21 plants in Washington, 6 plants in Oregon, and 1 plant in California.

WASHINGTON AND OREGON SALMON PACK, BY DISTRICTS, 1977

Species	Puget Sound		Columbia River		Coastal		Total	
	Standard cases	Thousand dollars						
Chinook or king	4,819	502	934	149	(1) 727	(1) 94	6,480	745
Chum or keta	10,522	719	-	-	-	-	10,522	719
Pink	126,938	9,448	-	-	(2)	(2)	126,938	9,448
Red or sockeye	70,541	8,220	-	-	-	-	70,541	8,220
Silver or coho	17,484	1,671	(2)	(2)	494	71	17,978	1,742
Total	230,304	20,560	934	149	1,221	165	232,459	20,874

(1) Includes a small pack produced in California. (2) Included with Puget Sound pack.

Note:—"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 16 oz net weight.

PUGET SOUND SALMON PACK, 1977

Species	Local fish	Alaskan fish	Total
	Standard cases		
Chinook or king	4,765	54	4,819
Chum or keta	10,280	242	10,522
Pink	101,758	25,180	126,938
Red or sockeye	61,787	8,754	70,541
Silver or coho	15,422	2,062	17,484
Total	194,012	36,292	230,304

Note:—Includes a small pack of pink and silver salmon produced by Columbia River and coastal canneries. "Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 16 oz net weight.

PACK OF MISCELLANEOUS SALMON PRODUCTS, 1977

Product	Standard cases	Thousand dollars	State and number of plants
Smoked	2,408	529	Alaska (7), Oregon (4), and Washington (11)
Spreads, in sauces and smoked paste	527	36	Maine (1), Michigan (1) and Washington (2)
Total	2,935	565	

Note:—"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 16 oz net weight.

PACK OF TUNA, 1977

Species	Continental United States		Hawaii, American Samoa, and Puerto Rico		Total	
	Standard cases	Thousand dollars	Standard cases	Thousand dollars	Standard cases	Thousand dollars
Albacore:						
Solid pack	1,256,462	49,231	3,358,764	134,416	4,615,226	183,647
Chunks	522,547	19,011	866,802	33,187	1,389,349	52,198
Flakes and grated	130,046	2,786	86,136	2,103	216,182	4,889
Total	1,909,055	71,028	4,311,702	169,706	6,220,757	240,734
Lightmeat:						
Solid pack	884,756	28,438	779,153	27,234	1,663,909	55,672
Chunks	9,592,719	300,714	9,875,708	302,228	19,468,427	602,942
Flakes and grated	218,800	5,111	88,344	2,155	307,144	7,266
Total	10,696,275	334,263	10,743,205	331,617	21,439,480	665,880
Grand total	12,605,330	405,291	15,054,907	501,323	27,660,237	906,614

Note:—"Standard cases" represent the various size cans converted to the equivalent of 48 No. ½ tuna cans to the case, each containing 7 oz net weight of solid pack, 6½ oz net weight of chunks, and 6 oz net weight of flakes or grated. The pack of dietetic tuna is included in the totals. Tuna were canned in 7 plants in California, 5 plants in Washington, Oregon, and Puerto Rico, 2 plants in American Samoa, and 1 plant in Maryland and Hawaii.

PACK OF TUNA, BY CAN SIZE, 1977

Can size	Cans per case	Dimensions	Actual cases	Thousand dollars
4-pounds	12 cans . . . . .	.603 x 408	1,041,513	73,125
1-pound	48 cans . . . . .	.401 x 205.25	1,671,491	104,252
½-pound	48 cans . . . . .	.307 x 113	18,761,870	599,663
¼-pound	48 cans . . . . .	.211 x 109	1,646,170	32,643
9¼-ounces	24 cans . . . . .	.303 x 212	603,601	16,435
10-ounces	24 cans . . . . .	.307x207	3,177,616	79,673
Other sizes			(1) 25,369	823
Total			26,927,630	906,614

(1) Converted to standard cases.

PACK OF MISCELLANEOUS TUNA PRODUCTS, 1977

Product	Standard cases	Thousand dollars	State and number of plants
Smoked, spreads and with noodles	4,136	149	California (2), Maine (1), Oregon (1), Pennsylvania (1), and Washington (3)

Note:—"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 16 oz net weight.

PACK OF TUNALIKE FISH, 1977

Species	Standard cases	Thousand dollars
Bonito, solid pack, chunk, flakes, and grated	473,298	10,635

Note:—"Standard cases" represent the equivalent of 48 No. ½ tuna cans to the case, each containing 7 oz net weight of solid pack, 6½ oz net weight of chunks, and 6 oz net weight of flakes or grated. Tunalike fish were canned in 6 plants in California.

PACK OF MAINE SARDINES, 1977

Style of pack	Standard cases	Thousand dollars
In soybean oil	856,755	23,565
In tomato sauce	117,027	3,042
In mustard sauce and with chili peppers	30,326	598
Total	1,004,108	27,205

Note:--"Standard cases" represent the various size cases converted to the uniform basis of 100 No. ¼ oil cans (3¼ oz net) to the case. Sardines were canned in 16 plants in Maine.

PACK OF MISCELLANEOUS HERRING PRODUCTS, 1977

Product	Standard cases	Thousand dollars	State and number of plants
Spreads, tid bits, and fish	138,862	7,114	Maine (13)

Note:--"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 16 oz net weight.

PACK OF JACK MACKEREL, 1977

State and number of plants	Standard cases	Thousand dollars
California (5)	686,445	11,869

Note:--"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 15 oz net weight.

PACK OF ANIMAL FOOD FROM FISHERY PRODUCTS, 1977

State and number of plants	Standard cases	Thousand dollars
Massachusetts (1), New Jersey (1), Pennsylvania (2), and Virginia (1)	567,594	8,600
Louisiana (1) and Mississippi (2)	3,244,410	23,218
Illinois (1), Michigan (1), and Wisconsin (2)	1,233,762	11,706
California (8)	3,434,772	77,001
Oregon (4)	288,544	3,620
Washington (3)	119,328	1,562
American Samoa (2), Hawaii (1), and Puerto Rico (5)	1,783,837	39,979
Total (35)	10,672,247	165,686

Note:--Each standard case contains 10 or more pounds of fish. An additional pack of 3,548,628 standard cases valued at \$29,892,662 had less than 10 lb of fish per case, and is not included in the above pack. "Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 16 oz net weight.

**PACK OF FISH ROE, CAVIAR, SALMON EGGS,
AND HERRING MINNOWS FOR BAIT, 1977**

Product and number of plants	Standard cases	Thousand dollars	State and number of plants
Alewife roe (4)	3,736	122	North Carolina (2) and Virginia (2)
Salmon caviar (3)	1,367	761	New Jersey (1) and New York (2)
Sturgeon caviar (3)	1,943	3,729	New Jersey (1) and New York (2)
Whitefish caviar (4), lumpfish caviar (2), and unclassified roe (1)	10,893	1,426	New Jersey (1), New York (2), and Wisconsin (1)
Total, exclusive of duplication (8)	17,939	6,038	
Salmon eggs for bait (7) and herring minnows for bait (1)	8,641	4,469	Washington (7)
Grand total (15)	26,580	10,507	

Note:--"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 16 oz net weight.

**PACK OF FISH ROE, CAVIAR, SALMON EGGS,
AND HERRING MINNOWS FOR BAIT, BY STATES, 1977**

State and number of plants	Standard cases	Thousand dollars
New Jersey (1), New York (2), and Wisconsin (1)	14,203	5,916
North Carolina (2) and Virginia (2)	3,736	122
Washington (7)	8,641	4,469
Total (15)	26,580	10,507

Note:--"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 16 oz net weight.

PACK OF MISCELLANEOUS FISH PRODUCTS, 1977

Product	Standard cases	Thousand dollars	State and number of plants
Anchovy paste	65,225	2,834	Michigan (1), New Jersey (1), New York (1), and Pennsylvania (1)
Gefiltefish	268,515	7,531	New Jersey (3) and New York (1)
Sturgeon, smoked	707	138	Oregon (4) and Washington (7)
Alewives, anchovies, bonito, catfish, cod, haddock, lake trout, unclassified trout, shad, wahoo, whitefish, and unclassified fish, all the foregoing in various styles including, natural pack, cakes, chowders, dips, flakes, finnan haddies, hors d'oeuvres, salad mixes, sauces, smoked, and stews	83,351	2,044	American Samoa (2), California (2), Maine (2), Michigan (1), New Jersey (4), North Carolina (2), Oregon (1), South Carolina (1), and Washington (2)
Total	417,798	12,547	

Note:--"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 16 oz net weight.

PACK OF CLAMS AND CLAM PRODUCTS, 1977

Species	Whole and minced		Chowder and juice		Total	
	Standard cases	Thousand dollars	Standard cases	Thousand dollars	Standard cases	Thousand dollars
Hard, ocean quahog, soft, surf, razor, and geoduck	762,710	26,269	2,068,950	38,252	2,831,660	64,521

Note:—"Standard cases" represent the various size cases converted to the equivalent of 48 No. 1 picnic cans, each can of whole or minced clams containing 5 oz of meat, drained weight, and each can of chowder, juice, broth, nectar, 10 oz net contents. The pack of clams in the shell is not included. Clams were canned in 5 plants in New Jersey, 4 plants in Washington, 2 plants each in Delaware, Maine, and New York, 1 plant each in Massachusetts, Oregon, Pennsylvania, and South Carolina.

CLAM PRODUCTION, BY TYPE OF PACK, 1977

Product and number of plants	Standard cases	Thousand pounds	Thousand dollars
Whole (4)	4,472	67	206
Minced (11)	758,238	11,374	26,063
Chowder (13)	1,826,643	54,799	35,566
Juice (includes broth, juice, and nectar) (11)	242,307	7,269	2,686
Total, exclusive of duplication (19)	2,831,660	73,509	64,521

PACK OF MISCELLANEOUS CLAM PRODUCTS, 1977

Product	Standard cases	Thousand dollars	State and number of plants
Bisques, chowder bases, creoles, dips, in shell, in sauces, and smoked	148,556	7,050	Delaware (1), Maine (1), Michigan (1), New Jersey (3), New York (1), Oregon (1), and Washington (4)

Note:—"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 16 oz net weight.

PACK OF CRAB MEAT, 1977

Species	Standard cases	Thousand dollars	State and number of plants
Blue and rock (3)	108,662	6,715	Maine (1), Mississippi (1), South Carolina (1)
Dungeness (3)	14,674	1,371	Oregon (1) and Washington (2)
King (3)	19,403	2,919	Alaska (3)
Snow (6)	94,280	8,612	Alaska (6)
Total exclusive of duplication (10)	128,357	12,902	
Grand total exclusive of duplication (13)	237,019	19,617	

Note:—"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 6½ oz net weight.

PACK OF CRAB SPECIALTIES, 1977

Product	Standard cases	Thousand dollars	State and number of plants
Bisques, deviled, dips, smoked, soups, and spreads	6,882	313	Maine (1), New Jersey (1), South Carolina (1), Washington (1)

Note:—"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 16 oz net weight.

NATURAL PACK OF OYSTERS, 1977

State and number of plants	Standard cases	Thousand dollars
Louisiana (2), Mississippi (3), South Carolina (1)	121,076	2,248
Washington (3)	25,659	439
Total (9)	146,735	2,687

Note:--"Standard cases" represent the various size cases converted to the equivalent of 24 cans to the case, each can containing 4-2/3 oz net weight of oyster meats.

PACK OF OYSTER SPECIALTIES, 1977

Product	Standard cases	Thousand dollars	State and number of plants
Bisques, sauces, smoked, and stews	192,086	6,423	California (1), Maine (1), New Jersey (1), South Carolina (1), and Washington (6)

Note:--"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 16 oz net weight.

NATURAL PACK OF SHRIMP, 1977

State and number of plants	Standard cases	Thousand dollars
Gulf States:		
Louisiana (11)	1,876,696	41,694
Mississippi (4)	252,975	6,577
Total (15)	2,129,671	48,271
Pacific States:		
Alaska (3)	1,166,478	17,667
Oregon (2) and Washington (2)	403,675	7,265
Total (7)	1,570,153	24,932
Grand total (22)	3,699,824	73,203

Note:--"Standard cases" represent the various size cases converted to the equivalent of 24 cans to the case, each can containing 4 1/2 oz of shrimp meats drained weight.

PACK OF MISCELLANEOUS SHRIMP PRODUCTS, 1977

Product	Standard cases	Thousand dollars	State and number of plants
Bisques, chowders, dips, pickled, sauces, and soups	45,775	1,942	Delaware (1), Maine (1), Michigan (1), New Jersey (1), Oregon (1), and South Carolina (1)

Note:--"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 16 oz net weight.

PACK OF MISCELLANEOUS SHELLFISH PRODUCTS, 1977

Product	Standard cases	Thousand dollars	State and number of plants
Northern and spiny lobster, bisques, deviled, dips, meats, newburgs, pastes, and in sauces	11,415	576	Maine (1), Michigan (1), and New Jersey (3)
Squid	141,438	2,218	California (6), New Jersey (2)
Abalone, conchs, mussels, turtles, and other shellfish, all the foregoing in various styles, including, bisques, chowders, meats, natural packs, soups, and in sauces	57,636	2,075	California (2), Florida (1), Louisiana (1), Maine (1), and New Jersey (4)
Total	210,489	4,869	

Note:--"Standard cases" represent the various size cases converted to the equivalent of 48 cans to the case, each can containing 16 oz net weight.

INDUSTRIAL FISHERY PRODUCTS, 1977

The value of industrial fishery products in the United States, American Samoa, and Puerto Rico in 1977 was \$190.6 million—\$5.8 million more than the \$184.8 million in 1976. In terms of value, the leading producing States were Louisiana (\$49.0 million), Maine (\$32.7 million), Virginia (\$27.7 million), and California (\$24.5 million). These values are based on the selling price at the producing plants.

Fish meal and scrap. Domestic production, including shellfish meal, was 282,291 tons in 1977 valued at \$97.2 million—27,403 tons less than the 309,694 tons in 1976, but \$424,000 more than the value of \$96.8 million in 1976. Menhaden meal (193,268 tons valued at \$71.8 million in 1977) accounted for 68 percent of the total production and 74 percent of the value. Tuna meal declined by 83 tons to 39,228 tons in 1977, but the value increased by \$1.7 million. Anchovy meal in 1977 was 18,871 tons—3,293 tons (15 percent) less than the 22,164 tons in 1976, but \$394,000 more than the 1976 value. Meal from alewife, thread herring, and unclassified fish was 19,374 tons in 1977, compared with 19,896 tons produced in 1976. The 9,270 tons of shellfish meal valued at \$1.1 million in 1977 was 1,414 tons and \$44,000 less than the 1976 production. Meal from crabs and shrimp in 1977 was 5,745 and 927 tons—1,041 and 271 tons less than the 6,772 tons and 1,198 tons produced in 1976. Unclassified shellfish meal declined in 1977 by 116 tons from the 2,714 tons production in 1976.

Fish oil. The domestic production of fish oil was 133.2 million pounds valued at \$28.2 million in 1977—71.4 million pounds and \$3.0 million less than the 204.6 million pounds and \$31.2 million in 1976. The production of all fish oils decreased in 1977, except for anchovy oil and unclassified marine animal oil, which increased by 837,000 pounds and 2.2 million pounds, respectively. Menhaden oil (116.1 million pounds) declined 70.3 million pounds compared with 1976. With a decline in the production of fish oils (other than liver), imports also declined from 20.9 million pounds in 1976 to 13.7 million pounds in 1977.

Fish solubles. Domestic production of fish solubles was 122,330 tons valued at \$13.9 million in 1977, down 10,777 tons and \$312,000 compared with 1976. The 87,390 tons of menhaden solubles contributed 71 percent of the total 122,330 tons produced in 1977, compared with 72 percent of the total in 1976.

Other industrial products. Domestic production of oyster shell products (grit and lime) was valued at \$6.7 million in 1977 compared with \$6.1 million in 1976. The value of the production of other industrial products was \$44.4 million in 1977 compared with \$36.4 million in 1976. These other industrial products included agar-agar, animal feeds and fish pellets, clam and crab shells (processed for food serving), Irish moss extracts, kelp products, shark leathers, liquid fertilizers, marine pearl shell buttons, pearl essence, and other products.

SUMMARY OF PRODUCTION, BY PRODUCTS, 1977

Product	Plants	Unit	Quantity	Dollars
	Number		Thousands	
Fish and shellfish meal	85	Tons	282	97,239
Fish body oils	51	Pounds	133,182	28,239
Fish solubles	24	Tons	122	13,945
Oyster shell grit and lime ("live and reef shells")	5	do	264	6,708
Miscellaneous industrial products	39	-	-	44,441
Total	(1) 123	-	-	190,572

(1) Exclusive of duplication.

VALUE OF PRODUCTION BY STATE AND PLANT COUNT, 1977

State	Thousand dollars
Maine (7)	32,688
Massachusetts (3), and Rhode Island (1)	4,347
New York (2), and Pennsylvania (1)	87
New Jersey (4)	6,075
Maryland (4)	1,832
Virginia (9)	27,677
North Carolina (9)	8,022
Alabama (1), Georgia (2), and Texas (1)	5,222
Florida (3)	612
Mississippi (4)	16,638
Louisiana (25)	48,991
Alaska (3)	743
Washington (10)	4,263
Oregon (6)	741
California (15)	24,541
Iowa (1), Michigan (1), Minnesota (2), Utah (1), and Wisconsin (1)	2,817
American Samoa (2), Hawaii (1), and Puerto Rico (4)	5,276
Total (123)	190,572

GENERAL REVIEW

NUMBER OF PLANTS PRODUCING INDUSTRIAL FISHERY PRODUCTS, BY TYPE PRODUCT, 1977

Product	Atlantic and Gulf Coasts (1)	Pacific Coast (2)	Total
	-----Number-----		
Scrap and meal, dried:			
Alewife	3	-	3
Anchovy	-	7	7
Carp	1	-	1
Crab	13	2	15
Herring:			
Sea	2	2	4
Thread	2	-	2
Menhaden	22	-	22
Shrimp	16	2	18
Tuna and mackerel	-	15	15
Unclassified	9	5	14
Oil:			
Alewife	3	-	3
Anchovy	-	7	7
Carp	1	-	1
Herring:			
Sea	1	2	3
Thread	2	-	2
Menhaden	22	-	22
Tuna and mackerel	-	8	8
Unclassified:			
Liver	1	-	1
Body	5	6	11
Shell products:			
Clam shells processed for food serving	1	-	1
Crab shells processed for food serving	2	-	2
Marine pearl shell buttons	3	-	3
Oyster shell:			
Crushed for poultry feed	4	1	5
Lime (burned and unburned)	2	-	2
Seaweed products:			
Agar-agar	-	1	1
Irish moss extracts	3	-	3
Kelp products	-	2	2
Miscellaneous:			
Animal feeds and fish pellets	8	12	20
Fish protein concentrate	1	-	1
Fish solubles	16	8	24
Liquid fertilizer	-	1	1
Pearl essence	3	-	3
Shark leather	1	-	1
Unclassified crab products	-	1	1
Total, exclusive of duplication	82	41	123

(1) Includes firms in the Inland States. (2) Includes Puerto Rico and American Samoa.

PRODUCTION OF MARINE ANIMAL MEAL AND SCRAP, 1977

Product	Atlantic and Gulf Coasts		American Samoa, Pacific Coast, and Puerto Rico		Total	
	Thousand tons	Thousand dollars	Thousand tons	Thousand dollars	Thousand tons	Thousand dollars
Dried scrap and meal:						
Fish:						
Anchovy	-	-	19	6,474	19	6,474
Herring, sea	(1) 2	(1) 803	-	-	2	803
Menhaden	193	71,785	-	-	193	71,785
Tuna and mackerel	-	-	39	10,544	39	10,544
Unclassified	(2) 15	(2) 5,411	4	1,133	19	6,544
Total	210	77,999	62	18,151	272	96,150
Shellfish:						
Crab	5	585	1	92	6	677
Shrimp	(1) 1	(1) 87	-	-	1	87
Unclassified	-	-	3	325	3	325
Total	6	672	4	417	10	1,089
Grand total	216	78,671	66	18,568	282	97,239

(1) Includes production on the Pacific Coast. (2) Includes production in the Inland States.

PRODUCTION OF MARINE ANIMAL OIL, 1977

Product	Atlantic and Gulf Coasts		Pacific Coast and Puerto Rico		Total	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Fish oils:						
Anchovy	-	-	6,171	846	6,171	846
Herring, sea	(1) 440	(1) 96	-	-	440	96
Menhaden	116,149	25,132	-	-	116,149	25,132
Tuna and mackerel	-	-	3,807	395	3,807	395
Unclassified	(2) 4,844	(2) 1,536	1,771	234	6,615	1,770
Total	121,433	26,764	11,749	1,475	133,182	28,239

(1) Includes production on the Pacific Coast. (2) Includes production in the Inland States, and a small production of liver oils.

PRODUCTION OF FISH SOLUBLES, 1977

Product, State, and number of plants	Tons	Thousand dollars
Menhaden:		
New Jersey (1) and Virginia (2)	42	4,685
North Carolina (3)	10	135
Louisiana (7) and Mississippi (2)	35	4,986
Total (15)	87	9,806
Unclassified:		
California (6), Hawaii (1), Massachusetts (1), Oregon (1), and Virginia (1)	35	4,139
Grand total exclusive of duplication (24)	122	13,945

GENERAL REVIEW

PRODUCTION OF MENHADEN PRODUCTS, 1977

State and number of plants	Dried scrap meal		Oil		Solubles		Total
	Tons	Dollars	Pounds	Dollars	Tons	Dollars	Dollars
	----- Thousands -----						
Maine (2) and Massachusetts (1)	3	1,206	4,664	1,048	-	-	2,254
Florida (1), New Jersey (1), and Virginia (2)	63	22,140	25,391	4,860	42	4,685	31,685
North Carolina (4)	17	6,612	3,238	535	10	135	7,282
Mississippi (3)	26	10,065	21,380	4,966	(1)	(1)	15,031
Louisiana (8)	84	31,762	61,476	13,723	35	4,986	50,471
Total (22)	193	71,785	116,149	25,132	87	9,806	106,723

(1) Included with Louisiana.

PRODUCTION OF OYSTER SHELL PRODUCTS, 1977

("Live and reef shells")

State and number of plants	Poultry grit		Lime, burned and unburned		Total	
	Tons	Dollars	Tons	Dollars	Tons	Dollars
	----- Thousands -----					
Alabama (1), Maryland (1), Oregon (1), Pennsylvania (1), and Texas (1)	264	6,708	(1)	(1)	264	6,708

(1) The production of oyster shell lime has been included with poultry grit.

PRODUCTION OF MISCELLANEOUS INDUSTRIAL FISHERY PRODUCTS, 1977

Product	State and number of plants	Thousand dollars
Agar-agar	California (1)	} 44,441
Animal feeds and fish pellets	California (1), Michigan (1), Minnesota (2), New York (1), Oregon (4), Rhode Island (1), Utah (1), Virginia (2), and Washington (6)	
Clam and crab shells (processed for food serving)	Florida (1), Mississippi (1), and North Carolina (1)	
Irish moss products	Maine (2) and Massachusetts (1)	
Kelp products	California (2)	
Leather products (shark)	New Jersey (1)	
Liquid fertilizer	California (1)	
Marine pearl shell buttons	Maryland (1) and New Jersey (2)	
Pearl essence	Maine (3)	
Unclassified crab products and fish protein concentrate	Massachusetts (1), and Washington (1)	

SUMMARY OF PRODUCTION OF FISH FILLETS AND STEAKS, 1977

Item	Fillet		Steak		Total	
	<u>Thousand pounds</u>	<u>Thousand dollars</u>	<u>Thousand pounds</u>	<u>Thousand dollars</u>	<u>Thousand pounds</u>	<u>Thousand dollars</u>
Fresh	111,445	145,099	619	1,316	112,064	146,415
Frozen	44,869	37,200	3,712	8,464	48,581	45,664
Total	156,314	182,299	4,331	9,780	160,645	192,079

PRODUCTION OF FISH FILLETS AND STEAKS AND STEAKS, BY SECTION, AND SPECIES 1977

Species	New England		Mid-Atlantic		South Atlantic and Gulf	
	<u>Thousand pounds</u>	<u>Thousand dollars</u>	<u>Thousand pounds</u>	<u>Thousand dollars</u>	<u>Thousand pounds</u>	<u>Thousand dollars</u>
Anglerfish	1,435	1,018	-	-	-	-
Bluefish	57	49	51	53	53	43
Cod	20,089	22,764	1,490	2,367	-	-
Cusk	1,905	1,787	-	-	-	-
Flounders	26,848	44,824	4,083	7,130	1,795	2,875
Groupers	-	-	-	-	250	544
Haddock	14,658	21,294	-	-	-	-
Hake	1,549	1,342	-	-	-	-
Halibut	634	1,323	-	-	-	-
Herring, sea	12,657	4,430	-	-	-	-
King mackerel	-	-	-	-	710	781
Mullet	-	-	-	-	306	186
Ocean perch, Atlantic	10,376	9,995	-	-	-	-
Ocean pout	35	10	-	-	-	-
Pollock	6,809	5,121	58	83	-	-
Salmon	95	73	-	-	-	-
Sea trout	-	-	279	307	191	179
Snapper, red	-	-	-	-	236	767
Spanish mackerel	-	-	-	-	3,330	2,719
Striped bass	34	53	-	-	-	-
Swordfish	289	630	-	-	-	-
Whiting	830	509	-	-	-	-
Wolffish	380	295	-	-	-	-
Yellow perch	-	-	217	364	-	-
Unclassified	1,178	639	441	776	488	575
Total	99,858	116,156	6,619	11,080	7,359	8,669

Species	Inland		Pacific	
	<u>Thousand pounds</u>	<u>Thousand dollars</u>	<u>Thousand pounds</u>	<u>Thousand dollars</u>
Buffalofish	92	50	-	-
Carp	2,619	1,266	-	-
Cod	-	-	3,008	2,641
Flounders	-	-	11,860	14,888
Halibut	-	-	1,966	4,581
Lake trout	173	384	-	-
Lingcod	-	-	1,419	1,259
Ocean perch, Pacific	-	-	2,488	1,919
Pike or pickerel	302	564	-	-
Rockfishes	-	-	8,625	6,897
Sablefish	-	-	1,916	988
Salmon	-	-	3,153	7,015
Sauger	173	437	-	-
Sea bass	-	-	68	121
Shark	-	-	2,749	1,118
Sheepshead, freshwater	60	124	-	-
Snapper, red	146	363	-	-
Turbot	-	-	117	95
Whitefish	818	1,767	-	-
Yellow perch	2,461	6,310	-	-
Yellow pike	869	1,590	-	-
Unclassified	451	661	1,276	1,136
Total	8,164	13,516	38,645	42,658

GENERAL REVIEW

**PRODUCTION OF FISH FILLETS AND STEAKS
BY METHODS OF PREPARATION, 1977**

Species	Filletts			
	Fresh		Frozen	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Anglerfish	1,171	800	264	218
Bluefish	108	102	53	43
Buffalofish	92	50	-	-
Carp	2,083	1,014	536	252
Cod	20,299	23,719	4,288	4,053
Cusk	1,905	1,787	-	-
Flounders	37,351	60,428	7,235	9,289
Groupers	114	233	136	311
Haddock	13,173	19,644	1,485	1,650
Hake	1,549	1,342	-	-
Halibut	63	101	203	335
Herring, sea	-	-	12,657	4,430
King mackerel	710	781	-	-
Lake trout	161	363	12	21
Lingcod	1,283	1,148	136	111
Mullet	-	-	306	186
Ocean perch, Atlantic	4,390	4,519	5,986	5,476
Ocean perch, Pacific	2,001	1,500	487	419
Ocean pout	35	10	-	-
Pike or pickerel	116	263	186	301
Pollock	4,968	4,228	1,899	976
Rockfishes	7,723	6,116	902	781
Sablefish	1,094	643	822	345
Salmon	871	2,100	768	1,576
Sauger	173	437	-	-
Sea bass	68	121	-	-
Sea trout	306	321	164	165
Shark	2,749	1,118	-	-
Sheepshead	60	124	-	-
Snappers, red	289	869	93	261
Spanish mackerel	-	-	3,330	2,719
Striped bass	34	53	-	-
Turbot	1	1	116	94
Whitefish	770	1,705	48	62
Whiting	-	-	830	509
Wolffish	94	74	286	221
Yellow perch	2,393	5,975	285	699
Yellow pike	325	649	544	941
Unclassified	2,923	2,761	812	756
Total	111,445	145,099	44,869	37,200

Species	Steaks fresh and frozen		Total	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
	Anglerfish	-	-	1,435	1,018
Bluefish	-	-	161	145
Buffalofish	-	-	92	50
Carp	-	-	2,619	1,266
Cod	-	-	24,587	27,772
Cusk	-	-	1,905	1,787
Flounders	-	-	44,586	69,717
Groupers	-	-	250	544
Haddock	-	-	14,658	21,294
Hake	-	-	1,549	1,342
Halibut	2,334	5,468	2,600	5,904
Herring, sea	-	-	12,657	4,430
King mackerel	-	-	710	781
Lake trout	-	-	173	384
Lingcod	-	-	1,419	1,259
Mullet	-	-	306	186
Ocean perch, Atlantic	-	-	10,376	9,995
Ocean perch, Pacific	-	-	2,488	1,919
Ocean pout	-	-	35	10
Pike or pickerel	-	-	302	564
Pollock	-	-	6,867	5,204
Rockfishes	-	-	8,625	6,897

(Continued on next page)

PRODUCTION OF FISH FILLETS AND STEAKS BY METHODS OF PREPARATION, 1977 - Continued

Species	Steaks fresh and frozen		Total	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Sablefish	-	-	1,916	988
Salmon	1,609	3,412	3,248	7,088
Sauger	-	-	173	437
Sea bass	-	-	68	121
Sea trout	-	-	470	486
Shark	-	-	2,749	1,118
Sheepshead	-	-	60	124
Snappers, red	-	-	382	1,130
Spanish mackerel	-	-	3,330	2,719
Striped bass	-	-	34	53
Swordfish	289	630	289	630
Turbot	-	-	117	95
Whitefish	-	-	818	1,767
Whiting	-	-	830	509
Wolffish	-	-	380	295
Yellow perch	-	-	2,678	6,674
Yellow pike	-	-	869	1,590
Unclassified	99	270	3,834	3,787
Total	4,331	9,780	160,645	192,079

GENERAL REVIEW

PRODUCTION OF FISH STICKS, 1977

MONTH	COOKED		BREADED, RAW	TOTAL
	BREADED	BATTER DIP		
----- THOUSAND POUNDS -----				
JANUARY	5,558	1,400	152	7,110
FEBRUARY	8,244	1,473	211	9,928
MARCH	9,378	1,172	223	10,773
APRIL	6,065	1,007	357	7,429
MAY	4,808	686	244	5,738
JUNE	4,549	1,536	524	6,609
JULY	4,181	770	512	5,463
AUGUST	5,594	859	443	6,896
SEPTEMBER	6,948	1,869	215	9,032
OCTOBER	5,248	340	241	5,829
NOVEMBER	5,318	441	410	6,169
DECEMBER	5,500	504	250	6,254
TOTAL	71,391	12,057	3,782	87,230
----- THOUSAND DOLLARS -----				
TOTAL VALUE-YEAR	55,476	9,414	3,837	68,727

NOTE:—A FISH STICK, GENERALLY CUT FROM A BLOCK OF FILLETS, IS AN ELONGATED PIECE OF BREADED FISH FLESH WEIGHING NOT LESS THAN ¾ OF AN OUNCE AND NOT MORE THAN 1½ OUNCES WITH THE LARGEST DIMENSION AT LEAST THREE TIMES THAT OF THE NEXT LARGEST DIMENSION.

PRODUCTION OF FISH PORTIONS, 1977

MONTH	COOKED		BREADED, RAW	UNBREADED	TOTAL
	BREADED	BATTER DIP			
----- THOUSAND POUNDS -----					
JANUARY	8,299	2,720	13,253	2,585	26,837
FEBRUARY	8,762	3,632	12,645	2,407	27,446
MARCH	9,932	5,979	17,303	2,976	36,190
APRIL	8,221	4,665	15,420	2,587	30,893
MAY	7,448	4,483	15,600	2,656	30,187
JUNE	4,807	5,586	15,786	2,771	28,950
JULY	5,429	2,973	11,963	3,064	23,429
AUGUST	7,993	5,555	12,995	2,617	29,160
SEPTEMBER	7,756	5,507	15,922	1,908	31,093
OCTOBER	9,456	5,616	15,787	2,778	33,637
NOVEMBER	7,849	5,604	13,888	2,474	29,815
DECEMBER	6,807	5,783	13,090	2,126	27,806
TOTAL	92,759	58,103	173,652	30,929	355,433
----- THOUSAND DOLLARS -----					
TOTAL VALUE-YEAR	74,698	51,304	178,598	37,160	341,760

NOTE:—A FISH PORTION, GENERALLY CUT FROM A BLOCK OF FILLETS, IS A PIECE OF FISH FLESH GENERALLY OF UNIFORM SIZE WITH A THICKNESS OF 3/8 OF AN INCH OR MORE, AND DOES NOT CONFORM TO THE DEFINITION OF A FISH STICK.

GENERAL REVIEW

FROZEN FISHERY TRADE

Freezings. The 1977 production of frozen fish and shellfish by firms reporting to NMFS was 345.7 million pounds—an increase of 24.0 million pounds (7 percent) compared with 1976. Frozen shrimp (raw, headless; breaded; peeled; and unclassified) were 85.4 million pounds—a decrease of 17.6 million pounds (17 percent) from 1976, but accounted for 25 percent of the total production. Other items frozen in considerable quantities during the year were round salmon (30.6 million pounds); crabs (16.5 million); rainbow trout (7.3 million); clams and clam meats (5.6 million); squid (5.2 million) and bait and animal food (82.3 million pounds). Not included were freezings by firms not reporting to NMFS on a monthly basis and a considerable volume of frozen fillets and steaks produced by firms operating plate freezers at the end of fillet production lines.

The Pacific area led all other areas in freezings with 105.5 million pounds (31 percent of the total); followed by New England with 95.9 million pounds (28 percent); South Central, 60.3 million (17 percent); South Atlantic, 36.0 million and Alaska, 34.9 million pounds (each 10 percent); and the rest were frozen in the Middle Atlantic, North Central, East, and North Central, West States.

Cold Storage Holdings. Monthly holdings of frozen fish and shellfish by cold storage warehouses reporting to NMFS were a low of 301.2 million pounds on May 31, 1977, and a high of 426.5 million pounds on November 30, 1977. Inventories of cod blocks increased from 12.2 million pounds on January 1, 1977, to 36.5 million pounds on December 31, 1977. Holdings of frozen shrimp products (raw, headless; breaded; peeled; and unclassified) were a low of 63.3 million pounds on April 30, 1977, and a high of 95.9 million pounds on November 30, 1977.

Cured Fish Cold Storage Holdings. Monthly average holdings of salted and smoked fish were 7.3 million pounds. Salted herring (5.9 million pounds) and mild-cured salmon (648,000 pounds) accounted for 90 percent of the monthly average cold storage inventories of cured fish. Data on freezings and holdings for 1977 have been published previously in Current Fishery Statistics No. 7526.

GENERAL REVIEW

SUMMARY OF FREEZINGS, BY SECTIONS AND MONTHS, 1977

MONTH	NEW ENGLAND	MIDDLE ATLANTIC	SOUTH ATLANTIC	NORTH CENTRAL, EAST	NORTH CENTRAL, WEST	SOUTH CENTRAL	PACIFIC	ALASKA	TOTAL
JANUARY	6,374	615	3,707	-	-	2,367	7,670	1,558	22,291
FEBRUARY	7,096	617	3,281	-	-	2,394	4,038	1,859	19,285
MARCH	6,988	887	4,493	-	-	2,592	16,265	1,595	34,821
APRIL	7,756	967	2,401	100	5	2,526	8,608	1,891	24,254
MAY	8,180	1,011	2,279	505	-	4,016	5,937	4,900	26,828
JUNE	8,947	664	2,466	1,007	107	6,263	6,464	3,430	29,348
JULY	7,065	697	2,295	1,019	101	7,778	11,369	4,733	35,057
AUGUST	12,304	656	3,196	1,007	103	7,614	12,770	4,756	42,406
SEPTEMBER	8,128	696	2,863	1,012	50	8,695	8,500	3,191	33,135
OCTOBER	7,664	607	3,190	186	-	7,285	6,808	3,352	29,112
NOVEMBER	7,373	323	2,712	5	-	5,303	10,101	2,282	26,099
DECEMBER	5,958	117	3,123	5	-	3,469	7,008	1,374	21,054
TOTAL	95,853	7,857	36,006	4,846	367	60,302	105,538	34,921	345,690

NOTE:--THE STATES INCLUDED IN THE VARIOUS SECTIONS ARE INDICATED ON PAGE 4. PRODUCTION OF FISH FROZEN ON U.S. FISHING OR TRANSPORTING CRAFT IS NOT INCLUDED IN THIS TABLE.

SUMMARY OF HOLDINGS, BY SECTIONS AND MONTHS, 1977

MONTH	NEW ENGLAND	MIDDLE ATLANTIC	SOUTH ATLANTIC	NORTH CENTRAL, EAST	NORTH CENTRAL, WEST	SOUTH CENTRAL	PACIFIC	ALASKA	TOTAL
JANUARY 31	110,503	39,813	36,505	24,665	9,481	25,365	109,353	6,538	362,223
FEBRUARY 28	99,563	35,937	32,252	22,748	9,166	24,408	86,265	5,707	316,046
MARCH 31	84,415	35,117	35,665	22,081	8,523	22,324	102,088	2,188	312,401
APRIL 30	98,122	36,373	33,138	19,015	6,646	21,439	90,214	2,876	307,823
MAY 31	99,994	32,391	31,680	18,596	6,256	23,435	85,460	3,416	301,228
JUNE 30	109,512	35,745	29,950	20,971	6,332	27,178	90,600	3,024	323,312
JULY 31	127,073	41,888	30,696	23,097	6,383	29,825	103,238	4,128	366,328
AUGUST 31	140,201	42,828	38,704	23,398	5,999	32,645	102,789	6,171	392,735
SEPTEMBER 30	170,260	37,692	38,218	23,257	5,612	36,424	106,646	5,698	423,807
OCTOBER 31	166,072	37,592	39,533	19,161	6,048	40,064	97,567	6,163	412,200
NOVEMBER 30	160,427	37,483	35,398	21,842	5,556	37,931	123,005	4,879	426,521
DECEMBER 31	155,457	36,581	38,963	20,990	4,337	35,994	123,985	3,988	420,295

NOTE:--THE STATES INCLUDED IN THE VARIOUS SECTIONS ARE INDICATED ON PAGE 4. HOLDINGS INCLUDE IMPORTED FROZEN FISH.

SUMMARY OF HOLDINGS OF CURED FISH, BY MONTHS, 1977

MONTH	SALTED			SMOKED OR KIPPERED	TOTAL
	HERRING	SALMON, MILD-CURED	OTHER		
THOUSAND POUNDS					
JANUARY 31	6,051	506	541	182	7,280
FEBRUARY 28	5,340	462	857	182	6,841
MARCH 31	5,835	392	206	120	6,553
APRIL 30	6,625	338	179	231	7,373
MAY 31	6,382	339	120	105	6,946
JUNE 30	6,633	235	132	151	7,151
JULY 31	6,533	240	501	176	7,450
AUGUST 31	5,143	761	821	162	6,887
SEPTEMBER 30	5,917	1,081	658	141	7,797
OCTOBER 31	5,596	1,153	929	105	7,783
NOVEMBER 30	5,718	1,184	881	196	7,979
DECEMBER 31	5,371	1,084	777	134	7,366

SUMMARY OF FREEZINGS, BY MONTHS, 1977

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE
FISH	----- THOUSAND POUNDS -----					
SALTWATER:						
BLOCKS AND SLABS:						
COD	5	70	120	191	409	449
FLOUNDER AND SOLE	76	110	35	75	51	42
HADDOCK	-	4	28	-	17	-
OCEAN PERCH	13	6	219	13	55	16
POLLOCK (SAITHE AND OTHER)	202	2	23	149	44	56
MINCED (GRATED), ALL SPECIES	8	5	11	16	36	42
UNCLASSIFIED	-	51	-	4	79	8
TOTAL BLOCKS AND SLABS	304	246	436	448	691	615
FILLETS AND STEAKS:						
COD	37	22	180	263	296	435
FLOUNDER AND SOLE	149	197	134	144	183	228
HADDOCK	55	107	24	54	62	163
HALIBUT	-	-	-	2	2	-
OCEAN PERCH	232	214	536	81	651	480
POLLOCK (SAITHE AND OTHER)	39	1	1	33	149	97
SALMON	1	1	3	4	15	31
WHITING	4	-	2	654	322	83
WOLFFISH (OCEAN CATFISH)	-	2	3	10	10	33
UNCLASSIFIED	1,314	1,659	1,170	417	508	555
TOTAL FILLETS AND STEAKS	1,831	2,203	2,053	1,662	2,198	2,105
ROUND, DRESSED, ETC.:						
HALIBUT	-	-	-	7	1,044	639
SABLEFISH	18	19	17	25	87	100
SALMON:						
KING OR CHINOOK	18	4	16	32	626	1,041
SILVER OR COHO	22	2	27	11	33	71
FALL OR CHUM	57	63	18	15	5	325
UNCLASSIFIED	8	4	-	-	99	851
TOTAL SALMON	105	73	61	58	763	2,286
WHITING, HEADED AND GUTTED	5	-	36	976	105	10
UNCLASSIFIED (EXCEPT BAIT)	5,807	5,067	18,816	7,979	6,091	3,205
TOTAL SALTWATER FISH	8,070	7,610	21,419	11,155	10,979	8,962
FRESHWATER:						
ROUND, DRESSED, ETC.:						
CATFISH	4	-	54	159	-	43
CHUBS	-	-	-	-	4	23
RAINBOW TROUT	855	833	451	278	484	491
WHITEFISH	-	-	-	-	-	15
UNCLASSIFIED (EXCEPT BAIT)	-	-	4	9	4	2
TOTAL FRESHWATER FISH	859	833	509	446	492	574
BAIT AND ANIMAL FOOD (SALTWATER AND FRESHWATER SPECIES)	7,946	5,007	3,994	4,639	5,307	8,023
SHELLFISH						
CLAMS AND CLAM MEATS	327	561	794	868	524	476
CRABS:						
DUNGENESS	41	139	764	352	314	104
KING: MEAT	160	148	73	-	-	43
SECTIONS	51	17	-	-	-	7
SNOW: MEAT	175	331	383	151	367	237
SECTIONS	16	286	1,253	1,892	1,531	1,146
UNCLASSIFIED	26	20	73	21	21	52
TOTAL CRABS	469	941	2,546	2,416	2,233	1,591
LOBSTERS:						
SPINY (TAILS)	-	20	25	24	24	7
UNCLASSIFIED (WHOLE AND MEAT)	5	5	20	44	211	206
OYSTER MEATS	157	120	271	247	154	34
SCALLOP MEATS	46	6	49	36	53	573
SHRIMP:						
RAW, HEADLESS	1,580	1,544	1,364	1,561	2,803	4,896
BREADED	1,935	2,079	3,175	2,063	2,263	2,415
PEELED (INCLUDING DEVEINED)	451	339	410	621	955	1,231
UNCLASSIFIED	48	112	160	92	92	85
TOTAL SHRIMP	4,014	4,074	5,109	4,337	6,113	8,627
SQUID	398	106	79	32	700	230
UNCLASSIFIED SHELLFISH	-	2	6	10	38	45
TOTAL SHELLFISH	5,416	5,835	8,899	8,014	10,050	11,769
TOTAL FISH AND SHELLFISH	22,291	19,285	34,821	24,254	26,828	29,346

SEE NOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

GENERAL REVIEW

SUMMARY OF FREEZINGS, BY MONTHS, 1977 - Continued

SPECIES	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH							
----- THOUSAND POUNDS -----							
SALTWATER:							
BLOCKS AND SLABS:							
COD	73	153	62	70	73	23	1,698
FLOUNDER AND SOLE	23	62	10	3	41	21	549
HADDOCK	-	5	18	49	41	-	162
OCEAN PERCH	-	6	2	4	8	-	344
POLLOCK (SAITHE AND OTHER)	202	141	42	30	390	134	1,415
WHITING	-	-	-	-	12	-	12
MINCED (GRATED), ALL SPECIES	25	17	5	45	10	10	230
UNCLASSIFIED	2	2	2	11	12	-	171
TOTAL BLOCKS AND SLABS	325	386	141	212	587	188	4,581
FILLETS AND STEAKS:							
COD	315	134	92	75	188	47	2,084
FLOUNDER AND SOLE	149	202	164	150	167	171	2,038
HADDOCK	116	152	91	127	72	40	1,065
HALIBUT	-	1	6	30	1	-	42
OCEAN PERCH	454	301	275	379	278	75	3,956
POLLOCK (SAITHE AND OTHER)	205	36	32	31	272	554	1,450
SALMON	15	1	26	10	8	27	142
WHITING	408	1,139	596	697	33	107	4,045
WOLFFISH (OCEAN CATFISH)	-	4	4	1	2	1	70
UNCLASSIFIED	346	925	490	1,300	788	986	10,458
TOTAL FILLETS AND STEAKS	2,010	2,895	1,776	2,800	1,809	2,008	25,350
ROUND, DRESSED, ETC.:							
HALIBUT	488	1,168	309	200	16	4	3,875
SABLEFISH	218	160	271	224	44	28	1,211
SALMON:							
KING OR CHINOOK	1,331	1,904	1,463	293	60	14	6,802
SILVER OR COHO	809	1,801	2,662	583	225	174	6,420
FALL OR CHUM	1,599	1,249	1,358	583	566	216	6,054
UNCLASSIFIED	5,593	4,090	593	70	16	23	11,347
TOTAL SALMON	9,332	9,044	6,076	1,529	867	427	30,623
WHITING, HEADED AND GUTTED	233	1,586	782	479	158	41	4,411
UNCLASSIFIED (EXCEPT BAIT)	2,898	4,839	4,140	3,231	2,513	3,344	67,930
TOTAL SALTWATER FISH	15,504	20,078	13,495	8,675	5,994	6,040	137,981
FRESHWATER:							
FILLETS AND STEAKS	-	-	-	-	-	10	10
ROUND, DRESSED, ETC.:							
CATFISH	31	3	14	74	1	-	383
CHUBS	36	23	45	12	5	5	153
RAINBOW TROUT	441	563	576	679	764	852	7,267
WHITEFISH	6	6	1	29	-	-	57
UNCLASSIFIED (EXCEPT BAIT)	2	3	42	145	-	-	211
TOTAL FRESHWATER FISH	516	598	678	939	770	867	8,081
BAIT AND ANIMAL FOOD (SALTWATER AND FRESHWATER SPECIES)	7,775	8,556	6,019	6,672	11,981	6,354	82,273
SHELLFISH							
CLAMS AND CLAM MEATS	546	562	491	458	3	31	5,641
CRABS:							
DUNGENESS	40	2	5	3	2	777	2,543
KING: MEAT	2	35	107	380	284	354	1,586
SECTIONS	9	12	132	1,206	878	874	3,186
SNOW: MEAT	123	132	85	79	53	46	2,162
SECTIONS	65	80	52	96	120	122	6,661
UNCLASSIFIED	9	8	49	56	33	18	386
TOTAL CRABS	248	269	430	1,820	1,370	2,191	16,524
FROG LEGS	-	-	-	1	-	-	1
LOBSTERS:							
SPINY (TAILS)	7	15	22	19	16	13	192
UNCLASSIFIED (WHOLE AND MEAT)	52	117	40	33	122	101	956
OYSTER MEATS	22	-	65	260	306	318	1,954
SCALLOP MEATS	29	78	39	101	71	288	1,369
SHRIMP:							
RAW, HEADLESS	7,220	7,987	7,691	6,473	4,566	2,661	50,346
BREADED	1,803	2,373	2,229	1,994	1,771	1,328	25,428
PEELED (INCLUDING DEVEINED)	842	995	835	827	551	480	8,537
UNCLASSIFIED	93	96	112	21	35	111	1,057
TOTAL SHRIMP	9,958	11,451	10,867	9,315	6,923	4,580	85,368
SQUID	390	682	989	736	539	271	5,152
UNCLASSIFIED SHELLFISH	10	-	-	83	4	-	198
TOTAL SHELLFISH	11,262	13,174	12,943	12,826	9,354	7,793	117,355
TOTAL FISH AND SHELLFISH	35,057	42,406	33,135	29,112	28,099	21,054	345,690

NOTE:--PRODUCTION OF FISH FROZEN ON U.S. FISHING OR TRANSPORTING CRAFT IS NOT INCLUDED IN THIS TABLE.

SUMMARY OF FREEZINGS, BY SECTIONS, 1977

SPECIES	NEW ENGLAND	MIDDLE ATLANTIC	SOUTH ATLANTIC	NORTH CENTRAL	
				EAST	WEST
FISH					
----- THOUSAND POUNDS -----					
SALTWATER:					
BLOCKS AND SLABS:					
COD	1,690	-	-	-	-
FLOUNDER AND SOLE	405	-	140	-	-
HADDOCK	162	-	-	-	-
OCEAN PERCH	305	-	-	-	-
POLLOCK (SAITHE AND OTHER)	1,415	-	-	-	-
WHITING	12	-	-	-	-
MINCED (GRATED), ALL SPECIES	230	-	-	-	-
UNCLASSIFIED	171	-	-	-	-
TOTAL BLOCKS AND SLABS	4,390	-	140	-	-
FILLETS AND STEAKS:					
COD	1,584	-	-	-	-
FLOUNDER AND SOLE	1,324	-	-	-	-
HADDOCK	1,065	-	-	-	-
HALIBUT	8	-	-	-	-
OCEAN PERCH	3,638	-	53	-	-
POLLOCK (SAITHE AND OTHER)	1,450	-	-	-	-
SALMON	9	-	-	-	-
WHITING	4,045	-	-	-	-
WOLFFISH (OCEAN CATFISH)	70	-	-	-	-
UNCLASSIFIED	3,912	167	623	-	-
TOTAL FILLETS AND STEAKS	17,105	167	676	-	-
ROUND, DRESSED, ETC.:					
WHITING, HEADED AND GUTTED	4,411	-	-	-	-
UNCLASSIFIED (EXCEPT BAIT)	31,840	237	11,021	-	-
TOTAL SALTWATER FISH	57,746	404	11,837	-	-
FRESHWATER:					
FILLETS AND STEAKS	10	-	-	-	-
ROUND, DRESSED, ETC.:					
CATFISH	248	-	1	-	25
CHUBS	-	100	-	53	-
WHITEFISH	-	23	-	34	-
UNCLASSIFIED (EXCEPT BAIT)	-	-	9	159	42
TOTAL FRESHWATER FISH	258	123	10	246	67
BAIT AND ANIMAL FOOD (SALTWATER AND FRESHWATER SPECIES)	32,822	202	1,263	4,600	300
SHELLFISH					
CLAMS AND CLAM MEATS	-	4,986	104	-	-
CRABS, UNCLASSIFIED, TOTAL	62	-	160	-	-
FROG LEGS	1	-	-	-	-
LOBSTERS: SPINY (TAILS)	-	-	192	-	-
UNCLASSIFIED	615	-	341	-	-
OYSTER MEATS	-	-	1,816	-	-
SCALLOP MEATS	778	122	338	-	-
SHRIMP:					
RAW, HEADLESS	1,896	1,889	2,581	-	-
BREADED	-	-	13,397	-	-
PEELED (INCLUDING DEVEINED)	-	-	2,816	-	-
UNCLASSIFIED	-	-	1,021	-	-
TOTAL SHRIMP	1,896	1,889	19,815	-	-
SQUID	1,632	131	43	-	-
UNCLASSIFIED SHELLFISH	43	-	87	-	-
TOTAL SHELLFISH	5,027	7,128	22,896	-	-
TOTAL FISH AND SHELLFISH	95,853	7,857	36,006	4,846	367
----- THOUSAND POUNDS -----					
SPECIES	SOUTH CENTRAL	PACIFIC	ALASKA	TOTAL	
FISH					
----- THOUSAND POUNDS -----					
SALTWATER:					
BLOCKS AND SLABS:					
COD	-	6	2	1,698	
FLOUNDER AND SOLE	-	4	-	549	
HADDOCK	-	-	-	162	
OCEAN PERCH	-	39	-	344	
POLLOCK (SAITHE AND OTHER)	-	-	-	1,415	
WHITING	-	-	-	12	
MINCED (GRATED), ALL SPECIES	-	-	-	230	
UNCLASSIFIED	-	-	-	171	
TOTAL BLOCKS AND SLABS	-	49	2	4,581	
FILLETS AND STEAKS:					
COD	-	500	-	2,084	
FLOUNDER AND SOLE	-	508	206	2,038	
HADDOCK	-	-	-	1,065	

SEE NOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SUMMARY OF FREEZINGS, BY SECTIONS, 1977 - Continued

SPECIES	SOUTH CENTRAL	PACIFIC	ALASKA	TOTAL
FISH - CONTINUED				
SALTWATER, FILLETS AND STEAKS, CONTINUED:				
----- THOUSAND POUNDS -----				
HALIBUT	-	3	31	42
OCEAN PERCH	3	261	1	3,956
POLLOCK (SAITHE AND OTHER)	-	-	-	1,450
SALMON	-	133	-	142
WHITING	-	-	-	4,045
WOLFFISH (OCEAN CATFISH)	-	-	-	70
UNCLASSIFIED	-	5,471	285	10,458
TOTAL FILLETS AND STEAKS	3	6,876	523	25,350
ROUND, DRESSED, ETC.:				
HALIBUT	-	962	2,913	3,875
SABLEFISH	-	589	622	1,211
SALMON:				
KING OR CHINOOK	-	4,610	2,192	6,802
SILVER OR COHO	-	4,000	2,420	6,420
FALL OR CHUM	-	3,250	2,804	6,054
UNCLASSIFIED	-	7,168	4,179	11,347
TOTAL SALMON	-	19,028	11,595	30,623
WHITING, HEADED AND GUTTED UNCLASSIFIED (EXCEPT BAIT)	864	21,288	2,680	4,411
TOTAL SALTWATER FISH	867	48,792	18,335	67,930
FRESHWATER:				
FILLETS AND STEAKS	-	-	-	10
ROUND, DRESSED, ETC.:				
CATFISH	-	109	-	383
CHUBS	-	-	-	153
RAINBOW TROUT	-	7,267	-	7,267
WHITEFISH	-	-	-	57
UNCLASSIFIED (EXCEPT BAIT)	-	1	-	211
TOTAL FRESHWATER FISH	-	7,377	-	8,081
BAIT AND ANIMAL FOOD (SALTWATER AND FRESHWATER SPECIES)				
	77	39,225	3,784	82,273
SHELLFISH				
CLAMS AND CLAM MEATS	-	551	-	5,641
CRABS:				
DUNGENESS	-	2,543	-	2,543
KING: MEAT	-	412	1,174	1,586
SECTIONS	-	63	3,123	3,186
SNOW: MEAT	-	841	1,321	2,162
SECTIONS	-	661	6,000	6,661
UNCLASSIFIED	164	-	-	386
TOTAL CRABS	164	4,520	11,618	16,524
FROG LEGS				
LOBSTERS: SPINY (TAILS)	-	-	-	1
UNCLASSIFIED	-	-	-	192
OYSTER MEATS	-	138	-	956
SCALLOP MEATS	131	-	-	1,954
SHRIMP:				
RAW, HEADLESS	42,994	949	37	1,369
BREADED	12,031	-	-	50,346
PEELED (INCLUDING DEVEINED)	4,003	571	1,147	25,428
UNCLASSIFIED	35	1	-	8,537
TOTAL SHRIMP	59,063	1,521	1,184	1,057
SQUID				
UNCLASSIFIED SHELLFISH	-	3,346	-	5,152
	-	68	-	198
TOTAL SHELLFISH	59,358	10,144	12,802	117,355
TOTAL FISH AND SHELLFISH	60,302	105,538	34,921	345,690

NOTE:--PRODUCTION OF FISH FROZEN ON U.S. TRANSPORTING OR FISHING CRAFT IS NOT INCLUDED IN THESE TABLES. THE STATES IN EACH SECTION AND THE NUMBER OF PUBLIC AND PRIVATE FREEZERS AND WAREHOUSES REPORTING DURING 1977 WERE AS FOLLOWS: NEW ENGLAND (34)--MAINE, MASSACHUSETTS, RHODE ISLAND, CONNECTICUT AND NEW HAMPSHIRE; MIDDLE ATLANTIC (42)--NEW YORK, NEW JERSEY, PENNSYLVANIA AND DELAWARE; SOUTH ATLANTIC (38)--MARYLAND, DISTRICT OF COLUMBIA, VIRGINIA, NORTH CAROLINA, SOUTH CAROLINA, GEORGIA AND FLORIDA; NORTH CENTRAL, EAST (36)--OHIO, INDIANA, ILLINOIS, MICHIGAN AND WISCONSIN; NORTH CENTRAL, WEST (20)--MINNESOTA, IOWA, MISSOURI, NORTH DAKOTA, NEBRASKA AND KANSAS; SOUTH CENTRAL (49)--ARKANSAS, TENNESSEE, ALABAMA, MISSISSIPPI, LOUISIANA AND TEXAS; PACIFIC (53)--COLORADO, IDAHO, UTAH, ARIZONA, NEVADA, WASHINGTON, OREGON AND CALIFORNIA; AND ALASKA (10).

SUMMARY OF HOLDINGS, BY MONTHS, 1977

SPECIES	JANUARY 31	FEBRUARY 28	MARCH 31	APRIL 30	MAY 31	JUNE 30
FISH						
----- THOUSAND POUNDS -----						
SALTWATER:						
BLOCKS AND SLABS:						
COD	12,165	9,458	8,540	12,690	15,981	21,605
FLOUNDER AND SOLE	4,362	3,950	3,109	2,427	2,830	3,059
GREENLAND TURBOT	4,155	3,721	2,821	2,064	1,215	1,288
HADDOCK	2,466	2,378	2,549	3,506	2,657	2,644
OCEAN PERCH	2,692	2,065	1,698	1,256	941	691
POLLOCK, ALASKA	7,107	6,542	6,706	7,872	6,302	4,648
POLLOCK (SAITHE AND OTHER)	6,594	7,629	6,254	6,591	6,588	6,121
WHITING	4,178	3,127	2,434	2,713	1,994	1,494
MINCED, (GRATED) ALL SPECIES	6,891	4,725	4,370	4,396	4,512	5,525
UNCLASSIFIED 1/	2,275	1,841	2,158	2,103	1,613	1,324
TOTAL BLOCKS AND SLABS	52,885	45,436	40,639	45,618	44,633	48,399
FILLETS AND STEAKS:						
COD	13,602	13,591	10,025	15,666	17,521	16,023
FLOUNDER AND SOLE	7,520	5,880	4,671	4,433	4,994	5,440
GREENLAND TURBOT	7,569	4,407	3,300	3,836	3,878	3,927
HADDOCK	4,678	5,234	4,124	5,295	5,055	4,599
HALIBUT	3,438	2,562	1,237	1,317	752	2,140
OCEAN PERCH	11,451	8,197	6,524	5,398	3,787	3,663
POLLOCK (SAITHE AND OTHER)	3,782	3,338	2,707	3,610	2,900	2,573
SALMON	987	897	981	894	678	659
WHITING	4,970	5,101	3,167	3,113	3,248	3,696
WOLFFISH (OCEAN CATFISH)	279	137	180	321	191	187
UNCLASSIFIED	12,050	11,811	10,212	8,928	7,884	9,688
TOTAL FILLETS AND STEAKS	70,326	61,155	47,128	52,811	50,888	52,595
FISH STICKS AND PORTIONS (COOKED AND UNCOOKED, ALL SPECIES)						
ROUND, DRESSED, ETC.:	31,879	29,697	29,479	29,769	29,108	32,756
HALIBUT	4,315	3,513	2,912	2,410	2,057	3,446
SABLEFISH	920	741	402	314	289	361
SALMON:						
KING OR CHINOOK	5,061	4,357	3,184	2,572	2,555	5,149
SILVER OR COHO	5,771	3,938	2,972	2,010	1,247	1,034
FALL OR CHUM	7,924	6,781	5,420	3,824	2,357	2,016
UNCLASSIFIED	3,584	2,601	2,010	1,763	1,471	2,830
TOTAL SALMON	22,340	17,677	13,586	10,169	7,630	11,029
WHITING, HEADED AND GUTTED	4,482	3,275	2,836	3,306	1,878	2,763
UNCLASSIFIED (EXCEPT BAIT)	23,052	15,918	43,063	33,325	29,326	24,478
TOTAL SALTWATER FISH	210,199	177,412	180,045	177,722	165,809	175,827
FRESHWATER:						
FILLETS AND STEAKS						
ROUND, DRESSED, ETC.:	1,146	1,234	875	785	693	960
CATFISH	1,299	1,197	1,163	2,180	2,763	2,832
CHUBS	376	234	161	41	49	93
RAINBOW TROUT	1,814	1,747	1,662	1,556	1,703	1,690
WHITEFISH	843	206	164	86	123	211
UNCLASSIFIED (EXCEPT BAIT)	1,478	1,336	976	1,055	1,054	1,331
TOTAL FRESHWATER FISH	6,956	5,954	5,001	5,703	6,385	7,117
BAIT AND ANIMAL FOOD (SALTWATER AND FRESHWATER SPECIES)						
SHELLFISH	17,614	15,564	12,561	13,822	13,186	17,993
CLAMS AND CLAM MEATS						
CRABS:	1,790	2,621	3,070	3,312	4,244	3,935
DUNGENESS	1,995	1,343	2,434	2,337	2,729	2,530
KING: MEAT	5,825	5,557	6,223	4,835	4,259	3,234
SECTIONS	16,199	14,483	12,045	9,876	5,883	5,235
SNOW: MEAT	1,473	1,171	2,007	1,334	2,420	2,572
SECTIONS	1,912	2,731	3,724	5,602	8,389	9,031
UNCLASSIFIED	3,730	3,044	2,894	2,670	2,547	2,971
TOTAL CRABS	31,134	28,329	29,327	26,654	26,227	25,573
FROG LEGS	2,168	1,792	1,729	1,569	901	969
LOBSTERS:						
SPINY (TAILS)	6,688	6,361	6,060	5,746	5,152	5,363
UNCLASSIFIED (WHOLE AND MEAT)	2,269	1,983	1,784	1,573	2,214	2,476
OYSTER MEATS	1,053	1,239	1,603	1,861	2,015	2,322
SCALLOP MEATS	4,371	4,125	3,588	3,224	3,719	4,443

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

GENERAL REVIEW

SUMMARY OF HOLDINGS, BY MONTHS, 1977 - Continued

SPECIES	JANUARY 31	FEBRUARY 28	MARCH 31	APRIL 30	MAY 31	JUNE 30
----- THOUSAND POUNDS -----						
SHELLFISH - CONTINUED						
SHRIMP:						
RAW, HEADLESS.	40,155	34,036	33,073	30,318	31,822	35,597
BREADED.	6,551	6,379	6,218	6,378	6,358	5,500
PEELED (INCLUDING DEVEINED).	13,039	12,570	12,564	13,279	14,885	17,963
UNCLASSIFIED.	14,098	13,465	11,824	13,368	14,703	13,377
TOTAL SHRIMP.	73,843	66,450	63,679	63,343	67,768	72,437
SQUID.	1,928	1,817	1,756	1,436	1,956	1,764
UNCLASSIFIED SHELLFISH.	2,210	2,399	2,198	1,858	1,652	3,093
TOTAL SHELLFISH.	127,454	117,116	114,794	110,576	115,848	122,375
TOTAL FISH AND SHELLFISH.	362,223	316,046	312,401	307,823	301,228	323,312
CURED FISH						
HERRING, SALTED.	6,051	5,340	5,835	6,625	6,382	6,633
SALMON, MILD-CURED.	506	462	392	338	339	235
OTHER SALTED.	541	857	206	179	120	132
SMOKED OR KIPPERED.	182	182	120	231	105	151
TOTAL CURED FISH.	7,280	6,841	6,553	7,373	6,946	7,151
SPECIES	JULY 31	AUGUST 31	SEPTEMBER 30	OCTOBER 31	NOVEMBER 30	DECEMBER 31
----- THOUSAND POUNDS -----						
FISH						
SALTWATER:						
BLOCKS AND SLABS:						
COD.	38,045	45,167	51,652	47,698	36,241	36,480
FLOUNDER AND SOLE.	3,469	3,391	3,014	2,804	3,044	2,810
GREENLAND TURBOT.	1,047	1,366	1,419	1,088	1,077	1,014
HADDOCK.	3,746	3,626	6,165	6,231	5,645	7,961
OCEAN PERCH.	562	693	941	868	789	655
POLLOCK, ALASKA.	5,526	4,518	6,231	5,014	5,024	4,571
POLLOCK (SAITHE AND OTHER).	8,067	8,018	8,053	7,930	6,898	6,525
WHITING.	2,168	2,164	2,074	1,305	3,390	3,257
MINCED (GRATED), ALL SPECIES.	6,244	5,976	4,942	5,017	4,495	4,744
UNCLASSIFIED 1/.	1,516	1,744	2,191	1,668	3,441	5,157
TOTAL BLOCKS AND SLABS.	70,390	76,663	86,682	79,623	70,044	73,174
FILLETS AND STEAKS:						
COD.	18,070	23,557	29,469	28,233	28,084	27,202
FLOUNDER AND SOLE.	7,414	8,434	8,752	8,918	9,009	8,997
GREENLAND TURBOT.	4,023	5,397	8,117	9,412	10,508	9,882
HADDOCK.	4,041	4,127	6,130	7,535	7,260	7,727
HALIBUT.	3,513	3,902	3,960	4,016	3,427	2,717
OCEAN PERCH.	6,083	7,480	8,472	10,146	10,589	9,458
POLLOCK (SAITHE AND OTHER).	3,665	3,601	3,469	3,701	3,719	2,919
SALMON.	690	640	724	816	1,047	800
WHITING.	4,200	4,584	4,632	4,507	4,509	3,842
WOLFFISH (OCEAN CATFISH).	222	248	434	277	213	208
UNCLASSIFIED.	11,706	14,667	13,608	14,286	13,377	12,726
TOTAL FILLETS AND STEAKS.	63,627	76,637	87,767	91,847	91,742	86,478
FISH STICKS AND PORTIONS (COOKED AND UNCOOKED, ALL SPECIES).						
ROUND, DRESSED, ETC.:	29,848	28,642	29,399	29,846	32,578	30,484
HALIBUT.	4,495	5,049	4,908	4,623	4,431	3,758
SABLEFISH.	490	616	970	988	810	644
SALMON:						
KING OR CHINOOK.	6,761	9,847	11,666	7,988	10,090	8,471
SILVER OR COHO.	2,199	5,223	9,627	6,423	8,061	7,116
FALL OR CHUM.	4,319	6,367	8,277	8,391	7,738	6,803
UNCLASSIFIED.	10,854	13,640	12,087	8,587	7,002	5,975
TOTAL SALMON.	24,133	35,077	41,657	31,389	32,891	28,365
WHITING, HEADED AND GUTTED UNCLASSIFIED (EXCEPT BAIT).	2,417	3,141	2,945	2,537	2,475	1,818
UNCLASSIFIED (EXCEPT BAIT).	20,047	18,681	18,132	15,454	19,055	19,518
TOTAL SALTWATER FISH.	215,447	244,506	272,460	256,307	254,026	244,239
FRESHWATER:						
FILLETS AND STEAKS.						
ROUND, DRESSED, ETC.:	992	1,031	1,174	1,479	1,738	1,575
CATFISH.	3,435	3,362	3,058	2,700	2,578	2,295
CHUBS.	135	42	151	120	130	103
RAINBOW TROUT.	1,642	1,675	1,674	1,997	2,033	2,267
WHITEFISH.	211	220	130	181	198	162
UNCLASSIFIED (EXCEPT BAIT).	1,283	1,479	1,220	1,371	1,302	1,313
TOTAL FRESHWATER FISH.	7,698	7,809	7,407	7,848	7,979	7,715

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SUMMARY OF HOLDINGS, BY MONTHS, 1977 - Continued

SPECIES	JULY 31	AUGUST 31	SEPTEMBER 30	OCTOBER 31	NOVEMBER 30	DECEMBER 31
	----- THOUSAND POUNDS -----					
BAIT AND ANIMAL FOOD (SALTWATER AND FRESHWATER SPECIES)	19,609	14,365	11,636	10,338	13,114	13,496
SHELLFISH						
CLAMS AND CLAM MEATS	4,908	5,148	5,051	5,367	4,320	4,452
CRABS:						
DUNGENESS	1,916	1,651	1,147	748	844	1,516
KING: MEAT	2,490	2,208	2,134	3,469	3,704	7,021
SECTIONS	4,099	2,822	2,001	3,716	15,784	16,680
SNOW: MEAT	2,553	2,119	2,120	1,883	1,787	1,506
SECTIONS	6,561	6,691	5,667	4,835	2,824	2,178
UNCLASSIFIED	2,363	3,382	2,831	2,652	3,106	3,675
TOTAL CRABS	21,982	16,873	15,900	17,303	28,049	32,576
FROG LEGS	944	1,055	1,217	1,079	1,054	1,158
LOBSTERS:						
SPINY (TAILS)	5,459	5,307	5,118	4,938	5,254	4,968
UNCLASSIFIED (WHOLE AND MEAT)	1,719	1,841	2,004	1,968	1,825	1,820
OYSTER MEATS	2,252	1,789	2,488	2,339	1,947	2,182
SCALLOP MEATS	4,261	4,703	5,979	5,329	6,058	5,927
SHRIMP:						
RAW, HEADLESS	38,078	40,717	44,269	50,369	52,203	50,347
BREADED	4,959	5,452	5,258	5,576	6,317	7,089
PEELED (INCLUDING DEVEINED)	19,280	20,446	19,557	17,365	19,020	18,317
UNCLASSIFIED	15,556	15,537	19,717	19,347	18,391	18,460
TOTAL SHRIMP	77,873	82,152	88,801	92,657	95,931	94,213
SQUID	1,752	2,444	2,694	2,955	3,113	3,292
UNCLASSIFIED SHELLFISH	2,424	2,743	3,052	3,772	3,851	4,257
TOTAL SHELLFISH	123,574	126,055	132,304	137,707	151,402	154,845
TOTAL FISH AND SHELLFISH	366,328	392,735	423,807	412,200	426,521	420,295
CURED FISH						
HERRING, SALTED	6,533	5,143	5,917	5,596	5,718	5,371
SALMON, MILD-CURED	240	761	1,081	1,153	1,184	1,084
OTHER SALTED	501	821	658	929	881	777
SMOKED OR KIPPERED	176	162	141	105	196	134
TOTAL CURED FISH	7,450	6,887	7,797	7,783	7,979	7,366

1/ "UNCLASSIFIED" MAY ALSO INCLUDE BLOCKS AND SLABS MADE FROM SPECIES LISTED SEPARATELY AND ALSO MINCED (GRATED) FISH BLOCKS.

NOTE:--DATA FOR THESE TABLES WERE COLLECTED FROM PUBLIC AND PRIVATE REFRIGERATED WAREHOUSES WHERE FISHERY PRODUCTS ARE NORMALLY STORED FOR 30 DAYS OR MORE.

GENERAL REVIEW

FOREIGN FISHERY TRADE, 1977

In 1977, total U.S. imports of edible and nonedible fishery products were a record \$2,833.6 million—an increase of 13 percent compared with 1976. Exports of domestic fishery products were a record \$520.5 million in 1977, an increase of 35 percent compared with 1976.

Imports of edible fishery products totaled 2,176.2 million pounds valued at \$2,078.2 million. Compared with the previous year this was a decrease of 2 percent in volume but an increase of 9 percent in value.

A record was established in 1977 for imports of regular and minced blocks and slabs of 385.1 million pounds, up from 378.7 million pounds a year earlier. There were also increases in the quantity imported in 1977 of scallop meats (up 18 percent) and fresh and frozen tuna (up 4 percent). Decreases were registered in the volume of major imported items in 1977—fish fillets, canned tuna, and shrimp.

Nonedible fishery imports were a record \$555.4 million or 34 percent more than in 1976.

Exports of edible fishery products were a record 331.1 million pounds valued at \$473.4 million, 37 percent greater in quantity and 44 percent higher in value than in 1976.

Exports of nonedible fishery products were \$47.1 million in 1977 compared with \$54.9 million in 1976. The decline was due to smaller quantities of fish oil exports. Exports of fish oils were 96.1 million pounds in 1977 compared with 179.2 million pounds in 1976.

Exports in 1977 of foreign-produced fishery products, edible and nonedible, were \$58.2 million compared with \$54.2 million in the previous year.

EXPORTS OF DOMESTIC FISHERY PRODUCTS, 1976-77

Item	1976			1977	
	Unit	Quantity	Thousand dollars	Quantity	Thousand dollars
EDIBLE FISHERY PRODUCTS:					
Fresh or frozen:					
Fish:					
Cod, cusk, haddock, hake, and pollock	1,000 pounds	3,275	2,327	3,190	2,070
Salmon	do	41,922	75,645	69,844	125,396
Other	do	75,867	33,549	107,633	52,135
Shellfish:					
King crab, frozen	do	(1)	(1)	10,182	28,984
Shrimp	do	23,296	57,023	26,089	60,731
Snowcrab, frozen	do	(1)	(1)	22,087	29,761
Other	do	30,320	44,140	16,096	22,579
Total fresh and frozen fish and shellfish	do	174,680	212,684	255,121	321,656
Canned:					
Fish:					
Mackerel	do	489	107	1,244	327
Salmon	do	19,588	33,865	21,275	34,031
Sardines	do	1,829	1,556	1,186	855
Other	do	11,054	12,099	11,000	14,503
Shellfish:					
King crab	do	(1)	(1)	268	1,484
Shrimp	do	7,769	14,685	8,966	18,066
Squid	do	7,914	2,095	5,045	1,411
Other	do	4,200	7,133	3,547	6,428
Total canned	do	52,843	71,540	52,531	77,105
Cured, pickled, or salted:					
Unclassified:					
Fish	do	13,058	44,819	23,081	73,892
Shellfish	do	285	767	326	722
Total cured	do	13,343	45,586	23,407	74,614
Total edible fishery products	do	240,866	329,810	331,059	473,375
NONEDIBLE FISHERY PRODUCTS:					
Fish and marine animal body and liver oil (except medicinal):					
Menhaden	do	171,894	28,528	86,599	17,133
Other	do	7,341	1,418	4,034	974
Whale and sperm	do	-	-	5,503	1,672
Seal furs, dressed and dyed	1,000 pieces	67	5,107	32	2,833
Marine shells, unmanufactured	1,000 pounds	9,887	2,842	12,800	4,634
Fish, shellfish, and other marine animal products, nonedible	-	-	4,293	-	4,227
Tropical fish	-	-	2,269	-	3,064
Fish meal	1,000 tons	33	10,423	36	12,584
Total nonedible fishery products	-	-	54,880	-	47,121
Grand total	-	-	384,690	-	520,496

(1) Data not reported separately.

NOTE:--In addition to the export figures that are shown, there are quantities of fish oils and concentrates that are exported for medicinal purposes, and other miscellaneous fishery products that cannot be shown because the export classification covering these products includes other than fishery products.

GENERAL REVIEW

EXPORTS OF FOREIGN FISHERY PRODUCTS, 1976 - 77

Item	1976		1977		
	Unit	Quantity	Thousand dollars	Quantity	Thousand dollars
EDIBLE FISHERY PRODUCTS:					
Fresh and frozen:					
Fish:					
Cod, cusk, haddock, hake, and pollock	1,000 pounds	10,239	6,565	10,873	8,718
Salmon	do	374	692	178	347
Other	do	6,497	3,861	10,196	4,473
Shellfish:					
King crab	do	-	-	5	15
Shrimp	do	9,138	30,491	8,902	26,643
Snow crab	do	-	-	3	20
Other	do	1,734	4,158	2,525	5,231
Total fresh and frozen	do	27,982	45,767	32,682	45,447
Canned:					
Fish:					
Mackerel	do	35	13	136	55
Salmon	do	232	315	11	11
Sardines	do	77	45	34	29
Other	do	164	199	180	1,080
Shellfish:					
King crab	do	(1)	(1)	3	20
Shrimp	do	72	146	48	144
Squid	do	44	20	1	3
Other	do	1,806	6,063	2,099	9,236
Total canned	do	2,430	6,801	2,512	10,578
Cured, pickled, or salted:					
Unclassified:					
Fish	do	635	619	702	584
Shellfish	do	30	56	43	74
Total cured	do	665	675	745	658
Total edible fishery products	do	31,077	53,243	35,939	56,683
NONEDIBLE FISHERY PRODUCTS:					
Fish and marine animal body and liver oil (except medicinal)	do	8	4	1	3
Seal furs, dressed or dyed	1,000 pieces	2	62	2	113
Marine shells, unmanufactured	1,000 pounds	1,395	567	1,791	735
Fish, shellfish, and other marine animal products, nonedible	-	-	215	-	193
Tropical fish	-	-	48	-	202
Fish meal	1,000 tons	(2)	58	1	279
Total nonedible fishery products	-	-	954	-	1,525
Grand total	-	-	54,197	-	58,208

(1) Data not available. (2) Less than 500 tons.

IMPORTS OF FISHERY PRODUCTS ENTERED FOR CONSUMPTION, 1976-77

Item	1976		1977		
	<u>Unit</u>	<u>Quantity</u>	<u>Thousand dollars</u>	<u>Quantity</u>	<u>Thousand dollars</u>
EDIBLE FISHERY PRODUCTS:					
Fresh or frozen:					
Fish:					
Whether or not whole (except fillets, steaks, and similar products):					
Freshwater:					
Lake trout	1,000 pounds	404	328	470	392
Other trout	do	642	616	909	1,068
Whitefish	do	8,194	6,144	9,049	6,964
Pike, pickerel, yellow pike, and pike-perch	do	6,489	6,971	6,247	6,336
Unclassified	do	12,288	5,677	11,598	5,057
Total freshwater fish	do	28,017	19,736	28,273	19,817
Saltwater:					
Cod	do	4,093	1,089	3,903	1,352
Cusk, haddock, hake, and pollock	do	8,909	3,776	6,195	2,696
Eels, shad, and sturgeon	do	1,173	1,124	685	673
Flounders or other flatfish (except halibut)	do	5,459	6,283	5,897	5,879
Halibut	do	7,400	9,920	6,510	9,086
Mackerel	do	4,020	957	5,135	1,344
Ocean perch (Atlantic)	do	1,644	716	219	146
Salmon	do	7,742	13,645	5,708	10,794
Sea herring	do	(1) 76,517	(1) 5,521	(2) 70,720	(2) 8,877
Smelt	do	10,499	3,834	9,034	3,606
Swordfish	do	61	45	(3)	(3)
Unclassified	do	33,848	12,949	36,494	18,509
Tuna (whole and other than whole): (4)					
Albacore	do	199,587	116,050	178,298	107,736
Skipjack	do	265,033	84,811	300,597	94,755
Yellowfin	do	118,224	35,652	131,414	42,678
Unclassified	do	20,949	5,559	19,067	5,283
Total tuna	do	603,793	242,072	629,376	250,452
Tuna loins and discs:					
Albacore	do	1,264	962	1,828	2,902
Unclassified	do	2,332	1,951	2,099	1,969
Total loins and discs	do	3,596	2,913	3,927	4,871
Total saltwater fish	do	768,754	304,844	783,803	318,285
Blocks:					
Regular and minced:					
Cod	do	180,126	117,027	204,872	183,371
Flatfish, greenland turbot	do	8,514	5,210	4,594	2,944
Flatfish, other	do	13,164	11,365	10,496	11,274
Haddock	do	28,547	18,712	30,815	27,023
Ocean perch (Atlantic)	do	7,981	5,046	2,291	1,516
Pollock	do	95,699	35,315	82,960	41,680
Whiting	do	20,570	8,288	22,402	11,137
Other	do	9,636	6,038	8,092	6,063
Minced blocks	do	14,505	4,120	18,616	6,686
Total, regular and minced blocks	do	378,742	211,121	385,138	291,694
Fillets and steaks:					
Groundfish and Atlantic ocean perch:					
Cod	do	118,447	102,419	122,267	126,343
Cusk, haddock, hake, and pollock	do	49,494	38,470	49,916	45,171
Atlantic ocean perch	do	60,346	46,578	45,239	38,964
Total groundfish and ocean perch	do	228,287	187,467	217,422	210,478

See footnotes at end of table.

(Continued on next page)

GENERAL REVIEW

IMPORTS OF FISHERY PRODUCTS ENTERED FOR CONSUMPTION, 1976-77 - Continued

Item	1976		1977		
	Unit	Quantity	Thousand dollars	Quantity	Thousand dollars
EDIBLE FISHERY PRODUCTS: - Continued:					
Fresh or frozen - Continued:					
Fish - Continued:					
Fillets and steaks: - Continued					
Other, fillets or steaks:					
Catfish	1,000 pounds	10,261	5,432	17,983	10,299
Flounders and flatfish (except halibut)	do	54,144	51,264	53,286	55,155
Halibut	do	3,043	4,715	1,808	3,269
Swordfish	do	11	11	175	100
Turbot, frozen	do	46,574	28,221	42,590	32,548
Wolffish (sea catfish)	do	7,810	6,600	7,467	7,268
Yellow perch	do	2,638	7,079	2,580	5,848
Pike, pickerel, yellow pike, and pike-perch	do	5,727	9,387	3,354	6,220
Unclassified:					
Freshwater	do	2,305	1,890	2,580	1,944
Saltwater	do	52,508	34,808	48,864	38,258
Total, other than groundfish	do	185,021	149,407	180,687	160,909
Total fillets and steaks	do	413,308	336,874	398,109	371,387
Fish sticks and similar products	do	563	355	578	558
Total fish, fresh and frozen	do	1,589,384	872,930	1,595,901	1,001,741
Shellfish, et al.:					
Crabs:					
Fresh and frozen (including prepared or preserved, except canned)	do	893	978	2,023	1,032
Crab meat (fresh cooked)	do	3,963	7,421	4,283	8,936
Lobster:					
American (includes fresh cooked meat)	do	15,856	36,217	14,992	33,897
Spiny	do	48,495	204,520	45,027	216,405
Shrimp:					
Breaded	do	831	1,772	725	1,393
Peeled, cooked (but not breaded)	do	10,440	15,243	10,860	17,291
Peeled raw	do	86,448	150,142	87,818	173,744
Shell-on	do	129,741	293,542	125,805	295,898
Total shrimp	do	227,460	460,699	225,208	488,326
Clams (in shell or shucked)	do	2,132	1,481	2,989	2,490
Frog legs (includes fresh cooked meat)	do	6,548	8,377	4,625	4,470
Oysters, except seed oysters	do	3,635	2,892	3,141	3,595
Scallops	do	25,253	53,016	29,786	53,040
Unclassified	do	17,603	19,840	22,248	23,985
Total shellfish, et al., fresh and frozen	do	351,838	795,441	354,322	836,176
Total fresh and frozen fish, shellfish, et al.	do	1,941,222	1,668,371	1,950,223	1,837,917
Canned:					
Fish:					
Anchovies:					
In oil	do	4,753	8,301	5,395	11,162
Not in oil	do	1,150	598	1,201	637
Herring:					
In oil	do	127	119	118	112
Not in oil	do	12,118	8,199	10,841	8,380
Salmon:					
In oil	do	4	18	7	37
Not in oil	do	2,517	2,976	579	1,134
Sardines:					
In oil	do	26,891	23,725	25,748	25,031
Not in oil	do	26,982	13,092	24,288	12,430
Tuna:					
In oil, albacore	do	288	417	178	311
In brine:					
Albacore	do	34,898	45,863	15,678	24,441
Other	do	23,707	21,222	18,775	19,906
Total in brine	do	58,605	67,085	34,453	44,347
Bonito and yellowtail:					
In oil	do	64	73	17	25
In brine	do	57	52	1,358	1,007
Total bonito and yellowtail	do	121	125	1,375	1,032

See footnotes at end of table.

(Continued on next page)

IMPORTS OF FISHERY PRODUCTS ENTERED FOR CONSUMPTION, 1976-77 - Continued

Item	1976		1977		
	<u>Unit</u>	<u>Quantity</u>	<u>Thousand dollars</u>	<u>Quantity</u>	<u>Thousand dollars</u>
EDIBLE FISHERY PRODUCTS - Continued:					
Canned - Continued:					
Fish - Continued:					
Antipastos	1,000 pounds	176	180	154	170
Fish cakes, balls, and puddings	do	984	753	937	802
Fish paste and sauce	do	4,332	1,494	3,863	1,252
Pollock, smoked	do	18	34	9	19
Sturgeon roe, and other roe	do	969	3,116	921	3,502
Unclassified fish:					
In oil	do	1,446	1,240	1,838	1,514
Not in oil	do	32,305	7,300	6,394	2,822
Total canned fish	do	173,786	138,772	118,299	114,694
Shellfish, et al.:					
Abalone (may include fresh or dried, and canned paste and sauce)	do	4,845	15,645	4,994	17,975
Clams:					
Chowder, juice, et al.	do	14	8	41	23
Other	do	6,286	6,543	7,752	9,158
Razor	do	2	1	6	3
Crab meat (includes paste and sauce)	do	2,053	4,597	3,463	7,957
Lobster meat:					
American (includes fresh cooked meat)	do	2,146	10,930	2,547	14,225
Spiny	do	719	2,968	337	1,371
Shrimp	do	2,350	2,646	2,809	3,203
Oysters and oyster juice	do	14,425	10,745	19,159	17,908
Total canned shellfish	do	32,840	54,083	41,108	71,823
Total canned fish, shellfish, et al.	do	206,627	192,855	159,407	186,517
Cured:					
Dried (unsalted):					
Cod, cusk, haddock, hake, and pollock	do	508	941	530	1,115
Shark fins	do	108	621	101	789
Unclassified	do	689	1,244	704	1,497
Total dried (unsalted)	do	1,305	2,806	1,335	3,401
Pickled or salted:					
Alewives	do	138	32	132	51
Cod, cusk, haddock, hake, and pollock:					
Skinned or boned	do	12,038	11,383	13,172	13,460
Other	do	24,463	20,058	22,555	19,989
Herring	do	30,942	9,986	19,475	6,924
Mackerel	do	1,834	690	1,083	360
Salmon	do	71	151	200	563
Unclassified	do	874	1,038	832	1,203
Total pickled or salted	do	70,360	43,338	57,449	42,550
Smoked or kippered:					
Cod, cusk, haddock, hake, and pollock:					
Fillets, steaks, et al.	do	758	551	747	616
Whole, beheaded, or eviscerated, or both	do	298	208	121	88
Herring:					
Whole or beheaded:					
Hard dry smoked	do	817	303	325	176
Other	do	574	271	673	359
Boned and not boned (eviscerated)					
split	do	1,410	955	1,031	777
Mackerel	do	47	17	27	20
Salmon	do	133	577	159	801
Unclassified	do	174	146	198	191
Total smoked or kippered	do	4,211	3,028	3,281	3,028
Total cured	do	75,876	49,172	62,065	48,979
Other fish and shellfish, not specially provided for					
Seaweeds, for edible use	do	3,643	1,650	3,582	2,305
do	do	723	1,874	912	2,453
Total edible fishery products	do	2,228,091	1,913,922	2,176,189	2,078,171

See footnotes at end of table.

(Continued on next page)

GENERAL REVIEW

IMPORTS OF FISHERY PRODUCTS ENTERED
FOR CONSUMPTION, 1976-77 - Continued

Item	1976		1977		
	Unit	Quantity	Thousand dollars	Quantity	Thousand dollars
NONEDIBLE FISHERY PRODUCTS:					
Oils, (fish and marine animal):					
Cod:					
Industrial	1,000 pounds	6,158	889	4,078	758
Medicinal (liver)	do	2,700	984	3,522	1,276
Herring	do	11,943	1,598	7,859	1,175
Sod	do	551	68	299	39
Sperm and whale	do	2	(3)	-	-
Unclassified:					
Body	do	2,285	318	1,495	241
Liver	do	229	301	389	633
Total fish and marine animal oil	do	23,368	4,158	17,642	4,122
Meal and scrap, animal feed	1,000 tons	140	32,872	81	26,488
Fish solubles	do	1	60	1	101
Pet food mixes	do	46	13,068	51	12,178
Canned fish and whale not fit for human consumption	1,000 pounds	8,310	2,200	6,388	1,931
Agar-agar	do	1,292	6,503	1,254	5,986
Seaweeds and other marine plants	do	112,488	6,784	48,784	10,055
Turtles, live	do	319	19	4	12
Seed oysters	do	788	392	852	959
Cuttlefish bone	do	213	149	166	134
Fish sounds	do	1,067	298	47	237
Glue	do	3,235	1,769	1,345	695
Isinglass	do	17	44	12	45
Pearl essence	do	16	201	25	334
Fish scales, crude	do	5,114	494	5,152	611
Sodium alginate	do	719	1,126	2,039	3,557
Coral, cut, unmanufactured	do	1,491	563	1,011	452
Spermacetti wax	do	1	1	-	-
Sponges:					
Sheepswool	do	2	4	7	38
Grass, velvet, or yellow	do	13	23	25	68
Hardhead or reef	do	1	9	-	-
Other	do	63	868	44	874
Total sponges	do	79	904	76	980
Marine shells crude	do	-	1,005	-	654
Shell and mother-of-pearl	-	8,852	3,073	10,122	2,946
Articles of shell	-	-	7,060	-	6,443
Buttons and blanks	-	-	266	-	348
Pearls:					
Cultured	-	-	11,062	-	18,260
Natural	-	-	755	-	544
Total pearls	-	-	11,817	-	18,804
Hydroids	-	-	1,375	-	839
Other fish, shellfish and marine products:					
Fish and shellfish other than for human consumption	-	-	15,398	-	16,730
Leathers, (including sealskins, reptilian and other aquatic leathers)	-	-	35,709	-	38,308
Chemicals	-	-	74,062	-	74,658
Nonmetallic minerals and related products	-	-	14,895	-	21,588
Miscellaneous items	-	-	177,999	-	305,240
Total nonedible fishery products	-	-	414,264	-	555,435
Grand total	-	-	2,328,186	-	2,633,606

(1) Includes Customs Service data on imports of fresh sea herring into Maine that amounted to 57,638,555 pounds. Bureau of Census data, which did not include most entries valued at less than \$250, amounted to 65,472,877 pounds valued at \$5,093,500. (2) Includes Customs Service data on imports of fresh sea herring into Maine that amounted to 39,222,900 pounds. Bureau of Census data, which did not include most entries valued at less than \$250, amounted to 64,616,674 pounds valued at \$7,661,297. (3) Less than 500 pounds or \$500. (4) Includes landings of foreign-caught tuna in American Samoa. Such landings are not included in the Bureau of the Census data because of the territorial situation of the possession.

SECTION 2

NEW ENGLAND FISHERIES

Commercial fishery landings by U.S. fishermen in the New England States (Maine, New Hampshire, Massachusetts, Rhode Island, and Connecticut) were 586.0 million pounds valued at a record \$207.2 million in 1977—an increase of 38.5 million pounds (7 percent) in volume and \$33.1 million (19 percent) in value compared with 1976. The quantity landed was the largest since 1968 for New England. Larger landings of anglerfish, cod, haddock, blackback and dab flounders, grayfish sharks, tilefish, and most of the shellfish were responsible for the increase. A few important species such as swordfish, whiting, oysters, shrimp, and squid were significantly less than in 1976.

In 1977 landings and value increased in all States. Massachusetts led in volume with 321.2 million pounds (55 percent); followed by Maine, 182.2 million pounds (31 percent); and Rhode Island, 73.1 million pounds (12 percent). Connecticut and New Hampshire together accounted for the rest. Massachusetts led in value with \$115.9 million (11 percent); Connecticut, \$4.4 million (2 percent); and New Hampshire, \$1.6 million (1 percent).

Fishermen and vessels. In 1977, 31,742 full-time and part-time fishermen operated 929 vessels (5 gross tons or more), 15,221 motorboats, and 230 boats not powered by motors. Compared with 1976, this was an increase of 1,268 fishermen and 74 vessels, but a decrease of 64 motorboats and 77 other boats. The number of vessels increased in all the States.

Processed products. The value of processed fishery products was a record of \$533.5 million. This surpassed last year's record by \$66.5 million. Massachusetts led with products valued at \$358.2 million, followed by Maine, \$124.9 million; New Hampshire, \$43.5 million; Rhode Island, \$6.3 million; and Connecticut, \$521,000 in 1977. The five States had an average of 9,155 persons employed in 497 wholesaling and processing plants—an increase of 673 employees, but a decrease of 6 seafood establishments.

Federal Conservation and Management Act of 1976 (FCMA). Public Law 94-265, which became law on April 13, 1976, provides for a national program for the conservation and management of fishery resources within a declared Fishery Conservation Zone (FCZ), contiguous to the territorial sea of the United States. The FCZ extends from the seaward boundary of the territorial sea (3 nautical miles from shore) to 200 nautical miles from shore. All species, except for the highly migratory bluefin tuna, will be under the control of Regional Fishery Management councils. The New England Regional Fishery Management Council, chosen in August 1976, comprises 17 voting and 4 nonvoting members. The council will prepare Fishery Management Plans (FMP) before March 1, 1977, the day the Act goes into effect. One problem developing is a dispute over the water boundary with Canada. A compromise will have to be reached concerning the rich fishing grounds of Georges Bank to which both countries lay claim.

American lobster. Landings were 30.3 million pounds valued at a record \$54.8 million—an increase of 369,000 pounds (1 percent) and \$6.1 million (12 percent) compared with 1976. The American lobster was 26 percent of the total value of all landings in New England making it the area's most valuable species. Maine led in production with 18.5 million pounds (61 percent of the total landings) all by the inshore pot fishery, but this was a decrease of 3 percent compared with 1976.

Clams. Landings yielded 14.4 million pounds of meats worth \$15.9 million—an increase of 13 percent in volume and 15 percent in value compared with 1976. Soft clams were 58 percent of the total production; ocean quahog, 21 percent; hard clams, 17 percent; and surf and razor clams the remaining 4 percent. All species decreased except ocean quahog with 3.0 million pounds (up 97 percent) and surf clams, 682,000 pounds (up 543 percent). Landings increased in all States except Massachusetts which decreased 17 percent.

NEW ENGLAND FISHERIES

Landings of soft clams yielded 8.4 million pounds of meats—a decrease of 1 percent compared with 1976. Maine was the leading producer of soft clams with 7.8 million pounds or 93 percent of the New England catch and 76 percent of the total U.S. catch. Landings in Maine were up 6 percent compared with 1976 and the largest since 1949. Landings of 4,000 pounds in Rhode Island were up 33 percent, but declined in Massachusetts to 574,000 pounds or 50 percent compared with 1976. Connecticut and New Hampshire have no production. The average price per pound paid to fishermen was \$1.10 in 1976 compared to \$1.22 in 1977.

Landings of hard clams yielded 2.4 million pounds of meats—a decrease of 9 percent compared with 1976. Landings of 1.6 million pounds in Rhode Island were up 4 percent, but declined in Massachusetts (327,000 pounds) and Maine (2,000 pounds). The average price per pound paid to fishermen was \$1.51 in 1976 compared to \$1.80 in 1977.

Flounders. Landings were 88.8 million pounds worth \$36.7 million—an increase of 9.0 million pounds (11 percent) and \$4.9 million (15 percent) compared with 1976. Landings of yellowtail flounders were 36.0 million pounds (down 4 percent) and the smallest since 1960. Blackback landings increased to 20.1 million pounds (47 percent) and dab landings increased to 15.7 million pounds (101 percent) compared with 1976. Gray and lemon sole increased only slightly while sand and unclassified flounders showed decreases when compared with 1976.

Scup or porgy. Landings were 8.5 million pounds valued at \$1.4 million—an increase of 1.9 million pounds (29 percent) in volume and \$78,000 (6 percent) in value compared with 1976. Landings were the largest since 1966. Rhode Island landings of 6.6 million pounds accounted for 77 percent of the total catch; Massachusetts, 1.7 million pounds or 22 percent; and the remainder was Connecticut, 213,000 pounds or 1 percent. The average price per pound paid to fishermen decreased from 20 cents in 1976 to 16 cents in 1977.

Sea herring. Landings were 111.5 million pounds valued at \$5.0 million—an increase of 11.1 million pounds (1 percent) in volume and \$604,000 (14 percent) in value compared with 1976. The volume was the largest since 1963 and 37 percent above the average for the previous 5 years. Maine accounted for 66 percent of the total production with landings of 73.0 million pounds—an increase of 2.8 million (4 percent) over 1976. The inshore fleet of stop seiners took 57 percent of the Maine landings; purse seiners, 37 percent; weirs, 5 percent; and the remainder by otter trawls. Massachusetts landings of 37.7 million pounds decreased slightly. Rhode Island landings increased from 394,000 pounds in 1976 to 647,000 pounds (61 percent) in 1977. Most of the sea herring (89 percent) were caught within the New England territorial waters.

Sea scallops. Landings were 18.0 million pounds of edible meats valued at a record \$29.7 million—an increase of 6.0 million pounds (50 percent) in volume and \$7.5 million (34 percent) in value compared with 1976. The 1977 production was the largest since 1962 and 180 percent above the average for the previous 5 years. Massachusetts landings accounted for 93 percent of the New England sea scallop catch. The average price per pound paid to fishermen went from \$1.86 in 1976 to \$1.66 in 1977.

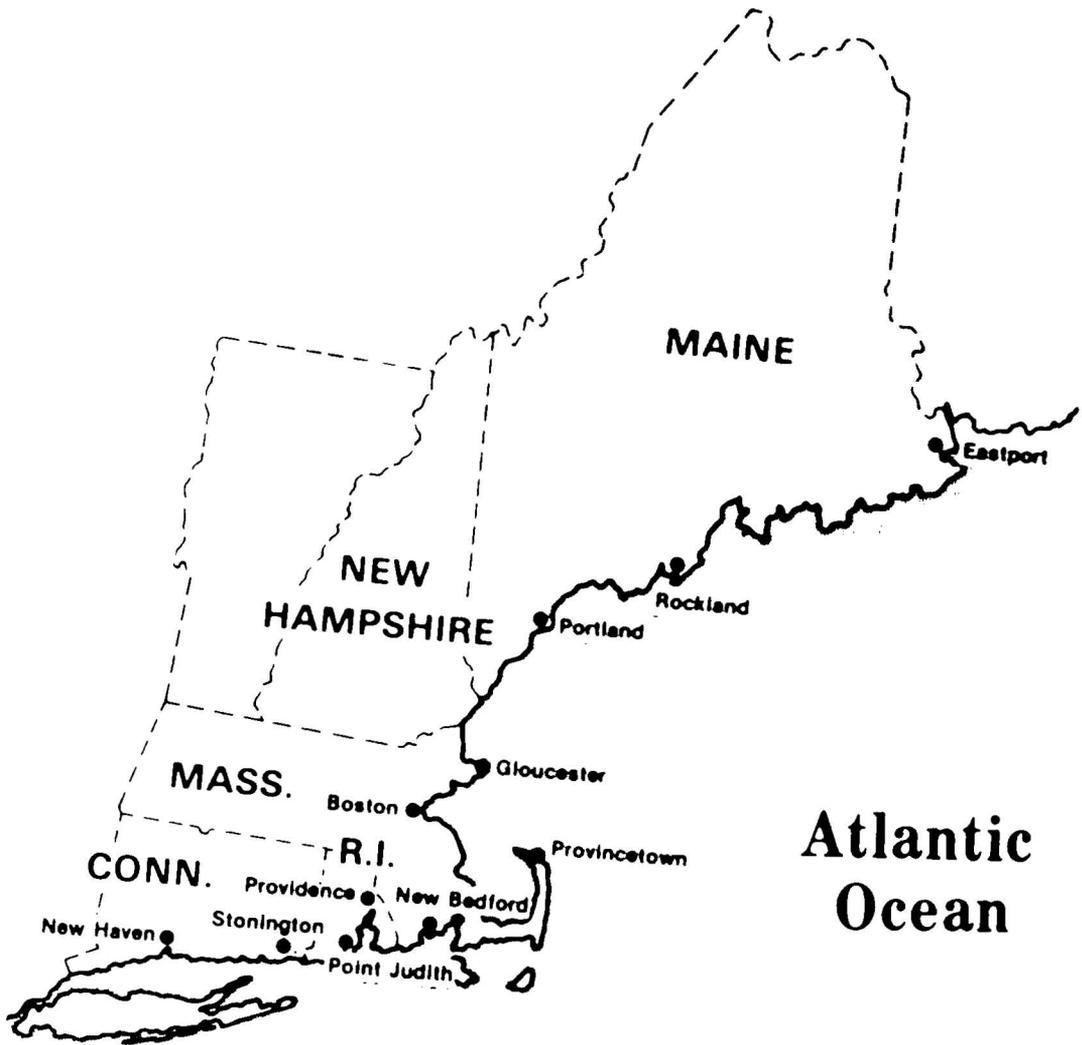
Northern shrimp. The northern shrimp fishery continued to decline sharply in 1977. Landings were the smallest since 1963. The overall landings of 840,000 pounds valued at \$458,000 showed a decline of 1.4 million pounds (63 percent) in volume and \$306,000 (40 percent) in value compared with 1976. The quantity landed was 95 percent below the average for the previous 5 years. Massachusetts landings of 522,000 pounds accounted for 62 percent of the total New England catch; followed by Maine, 313,000 pounds (37 percent); and New Hampshire, 5,000 pounds (1 percent). Rhode Island and Connecticut had no landings in 1977. The average price per pound paid to fishermen increased from 34 cents in 1976 to 58 cents in 1977, but fishermen continued to turn their efforts to the more lucrative groundfish fishery.

Whiting. Landings of whiting were 33.1 million pounds valued at \$2.8 million—a decrease of 4.1 million pounds (11 percent) in volume and \$127,000 (4 percent) in value compared with 1976. Landings decreased in all States except Connecticut with 98,000 pounds (up 188 percent) over 1976. Landings of whiting in New England were the smallest since 1939. The average price per pound paid fishermen went from 79 cents in 1976 to 85 cents in 1977.

Other information. Additional data may be found in the monthly and annual landings bulletins for Maine, Massachusetts, and Rhode Island published in the Current Fishery Statistics series by the National Fishery Statistics Program in cooperation with the respective States.

Acknowledgments. The following organization helped collect the data appearing in this section; Maine Department of Marine Resources; New Hampshire Fish and Game Department; Massachusetts Department of Natural Resources, Division of Marine Fisheries; Rhode Island Department of Natural Resources, Division of Conservation; Connecticut State Board of Fisheries and Game; and Connecticut State Shellfish Commission.

NEW ENGLAND FISHERIES



NEW ENGLAND STATES

SECTIONAL SUMMARIES SUMMARY OF LANDINGS, 1977

STATE	FISH		SHELLFISH, ET AL		TOTAL	
	MILLION POUNDS	MILLION DOLLARS	MILLION POUNDS	MILLION DOLLARS	MILLION POUNDS	MILLION DOLLARS
MAINE.....	148	18	34	48	182	62
NEW HAMPSHIRE.....	4	1	1	1	4	2
MASSACHUSETTS.....	285	88	38	50	323	118
RHODE ISLAND.....	83	12	10	12	73	23
CONNECTICUT.....	3	1	2	4	5	4
TOTAL.....	504	95	82	112	586	207

NOTE:—TABLE MAY NOT ADD BECAUSE OF ROUNDING

SUMMARY OF OPERATING UNITS, 1977

ITEM	MAINE	NEW HAMPSHIRE	MASSACHUSETTS	RHODE ISLAND	CONNECTICUT	TOTAL EXCLUSIVE OF DUPLICATION
FISHERMEN:						
ON VESSELS:						
FULL-TIME.....	582	85	2,895	908	71	1,883
PART-TIME.....			4	10	4	10
ON BOATS AND SHORE:						
FULL-TIME.....	8,223	124	2,547	820	171	9,885
PART-TIME.....	9,983	389	5,880	1,340	812	17,984
TOTAL.....	16,748	578	11,108	3,078	858	31,742
VESSELS, MOTOR.....						
GROSS TONNAGE.....	236	27	575	217	22	929
GROSS TONNAGE.....	8,926	814	42,444	15,332	839	57,427
BOATS:						
MOTOR.....	7,813	309	4,910	1,821	574	15,227
OTHER.....	189	24	21	17		230
GEAR:						
HAUL SEINES:						
COMMON.....		2	8	3	8	19
DANISH.....			8			8
STOP SEINES.....	54					54
PURSE SEINES:						
HERRING.....	20	2	8			27
TUNA.....			2			2
OTHER.....	11		3	3		13
BAG NETS.....						
OTTER TRAWLS.....	2	8				10
OTTER TRAWLS.....	192	25	475	157	32	783
WEIRS.....	27	4				31
POUND NETS, FISH.....						
FLOATING TRAPS.....	2		7	18		27
FYKE AND HOOPS NETS, FISH.....						
POTS AND TRAPS:						
CONCH.....			2,030	1,027	585	3,632
CRAB.....		450	480	40		970
EEL.....	2,750		5,240	332	425	8,747
FISH.....			250			250
LOBSTER:						
INSHORE.....	1,740,795	28,400	218,723	34,730	18,798	2,039,546
OFFSHORE.....			23,000	38,022		61,022
SHRIMP.....	1,800					1,800
GILL NETS:						
ANCHOR SET OR STAKE.....	87	25	97	2		208
DRIFT:						
SHAD.....					56	56
OTHER.....			10		82	92
LINES:						
HAND.....	148	110	3,897	272	179	4,336
TROLL.....			1,432			1,432
LONG OR SET WITH HOOKS.....	100	5	129	11		241
DIP NETS, COMMON.....	230	14	78	78		398
HARPOONS:						
SWORDFISH.....			11			11
OTHER.....	49	18	158			225
SPEARS.....						
DREDGES.....		5	15			20
CLAM.....						
MUSSEL, SEA.....			24	11	2	37
OYSTER, COMMON.....			12	3		15
			4		9	13

(CONTINUED ON NEXT PAGE)

NEW ENGLAND FISHERIES

SUMMARY OF OPERATING UNITS, 1977 - Continued

ITEM	MAINE	NEW HAMPSHIRE	MASSACHUSETTS	RHODE ISLAND	CONNECTICUT	TOTAL EXCLUSIVE OF DUPLICATION
----- NUMBER -----						
GEAR - CONTINUED						
DREDGES - CONTINUED						
SCALLOP						
BAY			2,738	145		2,883
SEA	155		244	16	3	408
OTHER	3					3
TONGS:						
OYSTER			10			10
OTHER			99	296		397
RAKES						
OYSTER			92			92
OTHER	141		1,331	1,201		2,673
HOES	6,493	41	442	50		7,026
DIVING OUTFITS			5			5

LANDINGS BY STATES, 1977

SPECIES	MAINE		NEW HAMPSHIRE		MASSACHUSETTS	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
	ALEWIVES	3,374	121	210	8	132	3
ANGLERFISH	468	172	44	15	1,916	697
BLUEFISH	(1)	(1)	(1)	(1)	504	85
BONITO					1	1
BUTTERFISH	1	(1)			56	19
COD	9,126	1,975	951	234	62,713	14,153
CUJK	1,000	162	131	24	1,624	275
EELS						
COMMON	176	263	6	5	316	173
CONGER					6	1
FLOUNDERS						
BLACKBACK	428	124	37	9	15,066	5,563
DAB	5,820	1,766	273	73	9,369	2,978
FLUKE					1,477	830
GRAY SOLE	1,695	848	70	31	3,580	1,758
LEMON SOLE					1,630	807
SAND		(1)			3,301	787
YELLOWTAIL	331	133	84	31	28,066	13,343
UNCLASSIFIED					1	(1)
TOTAL FLOUNDERS	8,274	2,871	464	144	62,532	26,064
HADDOCK	2,250	960	223	89	25,196	8,039
HAKE:						
RED	56	4			1,923	171
WHITE	6,543	740	395	54	3,998	605
HALIBUT	46	68	3	5	76	97
HERRING, SEA	73,050	3,545	54	3	37,727	1,375
LAUNCE			6	3	36	13
MACKEREL, ATLANTIC	330	78	5	1	919	201
OCEAN PERCH, ATLANTIC	20,804	3,141	10	2	14,156	2,205
OCEAN POUT					725	56
POLLOCK	10,685	1,406	1,207	191	16,431	2,441
SALMON, ATLANTIC	(1)	(1)				
SCUP OR PORGY					1,712	373
SEA BASS, BLACK					104	67
SEA TROUT OR WEAKFISH, GRAY					14	2
SHAD	22	2	4	(1)	(1)	(1)
SHARKS:						
GRAYFISH	1,654	75			37	4
UNCLASSIFIED	75	5	4	1	2	(1)
SKATES	138	17	6	1	181	22
SMELT	132	56	24	10	(1)	(1)
STRIPED BASS	(1)	(1)	2	1	1,185	1,006
STURGEON, COMMON	5	1	1	(1)	3	1
SWORDFISH	380	460			2,436	3,177
TAUTOG					56	4
TILEFISH					186	61
TUNA, BLUEFIN	95	78	4	3	1,608	1,120
WHITE PERCH					24	10
WHITING	255	17	35	3	27,179	2,301
WOLFFISH	47	4	3	(1)	913	81
UNCLASSIFIED	9,317	204	10	1	18,787	738
TOTAL FISH	148,303	16,423	3,802	798	285,414	65,631

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS BY STATES, 1977 - Continued

SPECIES	MAINE		NEW HAMPSHIRE		MASSACHUSETTS	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
SHELLFISH ET AL.						
CRABS:						
ROCK	1,434	142	23	2	-	-
UNCLASSIFIED	-	-	-	-	2,747	922
TOTAL CRABS	1,434	142	23	2	2,747	922
HORSESHOE CRABS	-	-	-	-	6	1
LOBSTERS, AMERICAN	18,487	32,101	474	812	7,235	13,729
SHRIMP	313	172	5	3	522	283
CLAMS:						
HARD:						
PUBLIC	1	3	-	-	565	1,185
PRIVATE	-	-	-	-	55	100
OCEAN QUAHOG	-	-	-	-	166	48
RAZOR	-	-	-	-	2	1
SOFT, PUBLIC	7,835	9,272	-	-	574	996
SURF	-	-	-	-	484	343
TOTAL CLAMS	7,836	9,275	-	-	1,846	2,673
CONCHS	-	-	-	-	122	61
MUSSELS, SEA	2,113	680	-	-	263	141
OYSTERS:						
PUBLIC:						
SPRING	-	-	-	-	29	62
FALL	-	-	-	-	16	50
PRIVATE:						
SPRING	-	-	-	-	4	13
FALL	-	-	-	-	4	13
TOTAL OYSTERS	-	-	-	-	53	138
PERIWINKLES AND COCKLES	19	18	-	-	-	-
SCALLOPS:						
BAY	-	-	-	-	1,009	2,983
SEA	395	755	-	-	17,362	28,649
TOTAL SCALLOPS	395	755	-	-	18,371	31,632
SQUID	28	4	-	-	3,463	583
SEA URCHINS	57	7	-	-	-	-
IRISH MOSS	2,069	109	-	-	1,079	43
BLOODWORMS	397	1,314	-	-	-	-
SANDWORMS	738	1,001	23	32	31	60
TOTAL SHELLFISH ET AL.	33,886	45,578	525	849	35,738	50,266
GRAND TOTAL	182,189	62,001	4,327	1,647	321,152	115,897

SPECIES	RHODE ISLAND		CONNECTICUT		TOTAL	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
ALEWIVES	35	2	61	5	3,812	139
ANGLERFISH	258	84	68	21	2,754	989
BLUEFISH	245	48	13	3	762	136
BONITO	125	56	-	-	126	57
BUTTERFISH	1,528	425	28	7	1,613	451
CARP	-	-	1	(1)	1	(1)
CATFISH AND BULLHEADS	-	-	4	(1)	4	(1)
COD	3,430	721	49	13	76,269	17,096
CROAKER	(1)	(1)	-	-	(1)	(1)
CUSK	12	1	-	-	2,767	462
EELS:						
COMMON	23	15	16	8	537	464
CONGER	24	4	-	-	30	5
FLOUNDERS:						
BLACKBACK	3,987	1,366	593	130	20,131	7,182
DAB	296	98	-	-	15,748	4,913
FLUKE	4,058	2,207	64	34	5,599	3,071
GRAY SOLE	190	64	2	1	5,537	2,702
LEMON SOLE	273	136	-	-	1,903	943
SAND	546	114	33	7	3,880	908
YELLOWTAIL	7,122	3,276	384	159	36,019	16,942
UNCLASSIFIED	-	-	-	-	1	(1)
TOTAL FLOUNDERS	16,472	7,261	1,076	331	88,818	36,661
HADDOCK	877	230	-	-	28,546	9,318
HAKE:						
RED	537	35	2	(1)	2,518	210
WHITE	77	10	3	(1)	11,016	1,409
HALIBUT	1	1	-	-	126	171
HERRING, SEA	647	34	1	(1)	111,479	4,957
LAUNCE	-	-	-	-	42	16

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

NEW ENGLAND FISHERIES

LANDINGS BY STATES, 1977 - Continued

SPECIES	RHODE ISLAND		CONNECTICUT		TOTAL	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
MACKEREL, ATLANTIC.....	273	63	33	13	1,560	356
OCEAN PERCH, ATLANTIC.....	52	9	-	-	36,022	5,367
OCEAN POUT.....	542	39	47	4	1,314	99
POLLOCK.....	239	33	2	1	28,584	4,072
SALMON, ATLANTIC.....	-	-	-	-	(1)	(1)
SCUP OR PORGY.....	6,581	972	213	38	8,506	1,383
SEA BASS, BLACK.....	176	76	2	1	282	144
SEA ROBIN.....	69	4	2	2	71	6
SEA TROUT OR WEAKFISH, GRAY	328	102	7	(1)	349	104
SHAD.....	1	(1)	332	150	359	152
SHARKS:						
GRAYFISH.....	58	4	2	(1)	1,751	83
UNCLASSIFIED.....	(1)	(1)	2	(1)	83	6
SKATES.....	9	1	8	1	342	42
SMELT.....	-	-	-	-	158	86
STRIPED BASS.....	110	87	58	41	1,354	1,134
STURGEON, COMMON.....	1	(1)	-	-	10	2
SWORDFISH.....	81	118	4	5	2,901	3,760
TAUTOG.....	19	2	6	1	81	7
TILEFISH.....	780	196	-	-	966	257
TUNA:						
BLUEFIN.....	4	3	-	-	1,711	1,202
UNCLASSIFIED.....	1	1	-	-	1	1
TOTAL TUNA.....	5	4	-	-	1,712	1,203
WHITE PERCH.....	12	4	13	6	49	20
WHITING.....	5,495	486	98	13	33,062	2,820
WOLFFISH.....	4	(1)	-	-	966	86
UNCLASSIFIED.....	23,594	512	1,163	59	52,871	1,514
TOTAL FISH.....	62,720	11,639	3,312	723	503,551	95,214
SHELLFISH ET AL.						
CRABS:						
GREEN.....	4	1	-	-	4	1
RED.....	7	2	-	-	7	2
JONAH.....	799	138	-	-	799	138
ROCK.....	95	19	-	-	1,552	163
UNCLASSIFIED.....	-	-	-	-	2,747	922
TOTAL CRABS.....	905	160	-	-	5,109	1,226
HORSESHOE CRABS.....	-	-	-	-	6	1
LOBSTERS, AMERICAN.....	3,492	6,871	638	1,337	30,326	54,850
SHRIMP.....	-	-	-	-	840	458
CLAMS:						
HARD:						
PUBLIC.....	1,586	2,664	-	-	2,152	4,052
PRIVATE.....	-	-	180	150	235	250
OCEAN QUAHOG.....	2,799	794	-	-	2,965	842
RAZOR.....	-	-	-	-	2	1
SOFT, PUBLIC.....	4	6	-	-	8,413	10,274
SURF.....	198	113	-	-	682	456
TOTAL CLAMS.....	4,587	3,777	180	150	14,449	15,875
CONCHS.....	154	73	53	30	329	164
MUSSELS, SEA.....	165	74	-	-	2,541	895
OYSTERS:						
PUBLIC:						
SPRING.....	-	-	-	-	29	82
FALL.....	-	-	-	-	16	50
PRIVATE:						
SPRING.....	-	-	392	916	396	929
FALL.....	-	-	460	1,076	464	1,069
TOTAL OYSTERS.....	-	-	852	1,992	905	2,130
PERIWINKLES AND COCKLES.....	-	-	-	-	19	18
SCALLOPS:						
BAY.....	35	102	-	-	1,044	3,085
SEA.....	100	157	94	160	17,951	29,721
TOTAL SCALLOPS.....	135	259	94	160	18,995	32,806
SQUID.....	975	416	35	15	4,501	1,018
SEA URCHINS.....	-	-	-	-	57	7
IRISH MOSS.....	-	-	-	-	3,148	152
BLOODWORMS.....	-	-	-	-	397	1,314
SANDWORMS.....	-	-	-	-	792	1,063
TOTAL SHELLFISH ET AL.....	10,413	11,630	1,852	3,684	82,414	112,007
GRAND TOTAL.....	73,133	23,269	5,164	4,407	585,965	207,221

(1) LESS THAN 500 POUNDS OR \$500.

NOTE:—LANDINGS ARE SHOWN IN ROUND (LIVE) WEIGHT EXCEPT FOR MOLLUSKS, CLAMS, CONCHS, MUSSELS, OYSTERS, AND PERIWINKLES AND COCKLES ARE REPORTED IN WEIGHT OF TOTAL MEATS; SCALLOPS ARE REPORTED IN WEIGHT OF EDIBLE MEATS.

LANDINGS OF CERTAIN SHELLFISH, 1977

SPECIES	MAINE		MASSACHUSETTS		RHODE ISLAND	
	U.S. STANDARD BUSHELS	DOLLARS	U.S. STANDARD BUSHELS	DOLLARS	U.S. STANDARD BUSHELS	DOLLARS
CLAMS:						
HARD:						
PUBLIC	127	3,220	51,404	1,184,786	132,158	2,864,176
PRIVATE	-	-	5,000	100,000	-	-
OCEAN QUAHOG	-	-	16,559	48,451	279,870	793,950
RAZOR	-	-	153	918	-	-
SOFT, PUBLIC	522,333	9,271,544	44,134	996,252	292	6,385
SURF	-	-	44,029	342,835	18,018	112,597
CONCHS	-	-	8,137	60,895	10,267	72,591
MUSSELS, SEA	140,847	680,309	26,332	140,880	16,500	73,896
OYSTERS, MARKET:						
PUBLIC:						
SPRING	-	-	4,514	62,260	-	-
FALL	-	-	2,384	49,800	-	-
PRIVATE:						
SPRING	-	-	625	12,500	-	-
FALL	-	-	625	12,500	-	-
PERIWINKLES AND COCKLES	1,083	17,767	-	-	-	-
SCALLOPS:						
BAY	-	-	168,166	2,983,062	5,883	102,075
SEA	65,800	754,823	2,893,667	28,649,430	16,600	157,146

SPECIES	CONNECTICUT		TOTAL	
	U.S. STANDARD BUSHELS	DOLLARS	U.S. STANDARD BUSHELS	DOLLARS
CLAMS:				
HARD:				
PUBLIC	-	-	183,689	4,052,182
PRIVATE	15,000	150,000	20,000	250,000
OCEAN QUAHOG	-	-	296,429	842,401
RAZOR	-	-	153	918
SOFT, PUBLIC	-	-	566,759	10,274,181
SURF	-	-	62,047	455,432
CONCHS	3,513	29,895	21,917	163,381
MUSSELS, SEA	-	-	183,679	894,865
OYSTERS, MARKET:				
PUBLIC:				
SPRING	-	-	4,514	62,260
FALL	-	-	2,384	49,800
PRIVATE:				
SPRING	50,896	916,125	51,521	928,625
FALL	59,753	1,075,451	60,378	1,087,951
PERIWINKLES AND COCKLES	-	-	1,083	17,767
SCALLOPS:				
BAY	-	-	174,049	3,085,137
SEA	15,600	160,029	2,991,667	29,721,428

NOTE:—THE CAPACITY OF A U.S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

AVERAGE YIELD OF CERTAIN SHELLFISH, 1977

SPECIES	MAINE	MASSACHUSETTS	RHODE ISLAND	CONNECTICUT
	POUNDS OF MEATS PER U.S. STANDARD BUSHEL			
CLAMS:				
HARD:				
PUBLIC	11.00	11.00	12.00	-
PRIVATE	-	11.00	-	12.00
OCEAN QUAHOG	-	10.00	10.00	-
RAZOR	-	16.00	-	-
SOFT, PUBLIC	15.00	13.00	13.00	-
SURF	-	11.00	11.00	-
CONCH	-	15.00	15.00	15.00
MUSSELS, SEA	15.00	10.00	10.00	-
OYSTERS, MARKET:				
PUBLIC:				
SPRING	-	6.50	-	-
FALL	-	6.50	-	-
PRIVATE:				
SPRING	-	6.50	-	7.70
FALL	-	6.50	-	7.70
PERIWINKLE AND COCKLE	18.00	-	-	-
SCALLOPS:				
BAY	-	6.00	6.00	-
SEA	6.00	6.00	6.00	6.00

NOTE:—THE CAPACITY OF A U.S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

NEW ENGLAND FISHERIES

MAINE

OPERATING UNITS BY GEAR, 1977

ITEM	STOP SEINES	PURSE SEINES		BAG NETS	OTTER TRAWLS	WEIRS
		HERRING	OTHER			
NUMBER						
FISHERMEN:						
ON VESSELS, FULL-TIME.....	24	32	53	-	312	-
ON BOATS AND SHORE:						
FULL-TIME.....	136	35	2	-	105	42
PART-TIME.....	50	9	-	4	57	38
TOTAL.....	210	76	55	4	474	80
VESSLS, MOTOR.....	7	9	10	-	111	-
GROSS TONNAGE.....	132	267	1,237	-	6,276	-
BOATS:						
MOTOR.....	50	19	11	2	81	27
OTHER.....	95	25	-	2	-	45
GEAR.....	54	20	11	2	192	27

ITEM	FLOATING TRAPS	POTS AND TRAPS			GILL NETS, ANCHOR, SET, OR STAKE	LINES
		EEL	LOBSTER, INSHORE	SHRIMP		HAND
NUMBER						
FISHERMEN:						
ON VESSELS, FULL-TIME.....	-	-	113	-	106	-
ON BOATS AND SHORE:						
FULL-TIME.....	3	16	3,300	12	78	12
PART-TIME.....	1	22	5,404	-	26	140
TOTAL.....	4	38	8,817	12	210	152
VESSLS, MOTOR.....	-	-	91	-	39	-
GROSS TONNAGE.....	-	-	1,051	-	902	-
BOATS:						
MOTOR.....	2	38	7,195	12	48	11
OTHER.....	2	-	-	-	-	-
GEAR.....	2	2,750	1,740,795	1,800	87	148

ITEM	LINES - CONTD	DIP NETS, COMMON	HARPOONS	DREDGES		RAKES
	LONG OR SET WITH HOOKS			SCALLOP, SEA	OTHER	
NUMBER						
FISHERMEN:						
ON VESSELS, FULL-TIME.....	45	-	-	2	-	-
ON BOATS AND SHORE:						
FULL-TIME.....	97	-	28	192	6	10
PART-TIME.....	67	250	70	116	-	131
TOTAL.....	209	250	98	310	6	141
VESSLS, MOTOR.....	15	-	-	1	-	-
GROSS TONNAGE.....	670	-	-	20	-	-
BOATS, MOTOR.....	85	-	49	154	3	141
GEAR.....	100	230	49	155	3	141

ITEM	HOES	BY HAND	TOTAL, EXCLUSIVE OF DUPLICATION
			NUMBER
FISHERMEN:			
ON VESSELS, FULL-TIME.....	-	-	562
ON BOATS AND SHORE:			
FULL-TIME.....	2,571	-	6,223
PART-TIME.....	3,922	22	9,963
TOTAL.....	6,493	22	16,748
VESSLS, MOTOR.....	-	-	236
GROSS TONNAGE.....	-	-	8,926
BOATS:			
MOTOR.....	-	-	7,613
OTHER.....	-	-	169
GEAR.....	6,493	-	-

MAINE - LANDINGS OF CATCH BY GEAR, 1977

SPECIES	STOP SEINES		PURSE SEINES			
			HERRING		OTHER	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
HERRING, SEA	41,852,300	2,031,704	27,207,600	1,310,454	-	-
MACKEREL	-	-	46,800	11,705	-	-
UNCLASSIFIED	-	-	4,088,100	77,561	3,290,000	71,062
TOTAL	41,852,300	2,031,704	31,342,500	1,399,720	3,290,000	71,062

SPECIES	BAG NETS		OTTER TRAWLS		WEIRS	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ANGLERFISH	-	-	344,600	130,636	-	-
BLUEFISH	-	-	200	45	-	-
BUTTERFISH	-	-	900	156	-	-
COD	-	-	4,183,200	873,063	-	-
CUSK	-	-	390,600	62,504	-	-
FLOUNDERS:						
BLACKBACK	-	-	424,400	123,044	-	-
DAB	-	-	5,797,500	1,759,482	-	-
GRAY SOLE	-	-	1,692,600	847,087	-	-
SAND	-	-	-	15	-	-
YELLOWTAIL	-	-	330,200	132,259	-	-
HADDOCK	-	-	1,248,000	531,430	-	-
HAKE:						
RED	-	-	52,300	3,843	-	-
WHITE	-	-	1,678,600	230,638	-	-
HALIBUT	-	-	24,300	35,955	-	-
HERRING, SEA	-	-	705,300	43,411	3,284,300	159,826
MACKEREL, ATLANTIC	-	-	10,100	2,607	-	-
OCEAN PERCH	-	-	20,733,800	3,129,908	-	-
POLLOCK	-	-	1,421,000	183,017	-	-
SHAD	-	-	600	66	-	-
SHARKS, UNCLASSIFIED	-	-	200	39	-	-
SKATES	-	-	108,700	13,961	-	-
SMELT	49,200	17,066	-	-	-	-
STURGEON, COMMON	-	-	1,100	170	-	-
WHITING	-	-	201,700	13,156	-	-
WOLFFISH	-	-	40,400	3,710	-	-
UNCLASSIFIED	-	-	1,867,000	47,555	-	-
SHRIMP	-	-	303,500	166,901	-	-
SCALLOPS, SEA	-	-	200	224	-	-
SQUID	-	-	16,800	1,847	-	-
TOTAL	49,200	17,066	41,577,800	8,336,709	3,284,300	159,826

SPECIES	FLOATING TRAPS		POTS AND TRAPS			
			EEL		LOBSTER, INSHORE	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
EELS, COMMON	-	-	153,100	92,293	-	-
HERRING, SEA	600	42	-	-	-	-
MACKEREL, ATLANTIC	217,000	45,346	-	-	-	-
UNCLASSIFIED	-	-	7,200	720	-	-
CRABS, ROCK	-	-	-	-	1,433,700	142,106
LOBSTERS, AMERICAN	-	-	-	-	18,487,200	32,101,423
SQUID	9,400	1,819	-	-	-	-
TOTAL	227,000	47,207	160,300	93,013	19,920,900	32,243,529

(CONTINUED ON NEXT PAGE)

NEW ENGLAND FISHERIES

MAINE - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	POTS AND TRAPS - CONTD		GILL NETS, ANCHOR, SET, OR STAKE		LINES	
	SHRIMP		POUNDS	DOLLARS	HAND	
	POUNDS	DOLLARS			POUNDS	DOLLARS
ANGLERFISH	-	-	122,200	41,484	-	-
COD	-	-	4,597,700	1,042,146	12,300	2,253
CUSK	-	-	425,000	67,378	600	78
FLOUNDERS:						
BLACKBACK	-	-	3,200	839	-	-
DAB	-	-	20,700	5,779	-	-
GRAY SOLE	-	-	2,200	983	-	-
YELLOWTAIL	-	-	800	241	-	-
HADDOCK	-	-	983,800	421,611	-	-
HAKE:						
RED	-	-	3,500	343	-	-
WHITE	-	-	4,437,800	468,741	2,400	269
HALIBUT	-	-	7,300	9,128	400	623
HERRING	-	-	100	28	-	-
MACKEREL, ATLANTIC	-	-	56,400	18,305	-	-
OCEAN PERCH	-	-	69,500	10,704	-	-
POLLOCK	-	-	9,105,000	1,205,990	2,000	260
SALMON, ATLANTIC	-	-	100	100	-	-
SHAD	-	-	21,500	1,981	-	-
SHARKS:						
GRAYFISH	-	-	1,653,700	74,916	-	-
UNCLASSIFIED	-	-	74,500	4,461	500	72
SKATES	-	-	14,800	1,632	-	-
SMELT	-	-	-	-	83,300	38,753
STRIPED BASS	-	-	-	-	300	121
STURGEON, COMMON	-	-	3,500	515	-	-
TUNA, BLUEFIN	-	-	-	-	12,800	9,322
WHITING	-	-	53,000	3,830	-	-
WOLFFISH	-	-	6,400	637	100	4
UNCLASSIFIED	-	-	63,500	8,021	-	-
SHRIMP	9,700	5,568	-	-	-	-
SQUID	-	-	1,500	124	-	-
TOTAL	9,700	5,568	21,727,700	3,389,917	114,700	51,755

SPECIES	LINES - CONTINUED		DIP NETS, COMMON		HARPOONS	
	LONG OR SET WITH HOOKS		POUNDS	DOLLARS	POUNDS	DOLLARS
	POUNDS	DOLLARS				
ALEWIVES	-	-	3,373,500	120,871	-	-
ANGLERFISH	800	290	-	-	-	-
COD	332,900	57,527	-	-	-	-
CUSK	183,600	32,468	-	-	-	-
EELS, COMMON	-	-	22,700	170,303	-	-
FLOUNDERS, DAB	1,300	358	-	-	-	-
HADDOCK	17,900	6,995	-	-	-	-
HAKE, WHITE	424,600	40,007	-	-	-	-
HALIBUT	14,500	21,858	-	-	-	-
OCEAN PERCH	200	32	-	-	-	-
POLLOCK	157,100	16,477	-	-	-	-
SKATES	14,500	1,844	-	-	-	-
SWORDFISH	380,300	459,761	-	-	-	-
TUNA, BLUEFIN	-	-	-	-	82,600	66,819
WHITING	200	34	-	-	-	-
WOLFFISH	300	39	-	-	-	-
UNCLASSIFIED	1,100	62	-	-	-	-
TOTAL	1,529,300	637,752	3,396,200	291,174	82,600	66,819

SPECIES	DREDGES				RAKES	
	SCALLOP, SEA		OTHER		POUNDS	DOLLARS
	POUNDS	DOLLARS	POUNDS	DOLLARS		
SCALLOPS, SEA	394,600	754,599	-	-	-	-
SEA URCHINS	-	-	57,400	7,328	-	-
IRISH MOSS	-	-	-	-	2,069,500	109,378
TOTAL	394,600	754,599	57,400	7,328	2,069,500	109,378

(CONTINUED ON NEXT PAGE)

MAINE - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	HOES		BY HAND	
	POUNDS	DOLLARS	POUNDS	DOLLARS
CLAMS:				
HARD, PUBLIC.....	1,400	3,220	-	-
SOFT, PUBLIC.....	7,835,000	9,271,544	-	-
MUSSELS, SEA.....	2,112,700	680,309	-	-
PERIWINKLES AND COCKLES.....	-	-	19,500	17,767
BLOODWORMS.....	396,600	1,313,987	-	-
SANDWORMS.....	737,600	1,000,432	-	-
TOTAL	11,083,300	12,269,492	19,500	17,767

NEW HAMPSHIRE OPERATING UNITS BY GEAR, 1977

ITEM	HAUL SEINES, COMMON	PURSE SEINES, HERRING	BAG NETS	OTTER TRAWLS	WEIRS	POTS AND TRAPS
						CRAB
	-----NUMBER-----					
FISHERMEN:						
ON VESSELS, FULL-TIME.....	-	-	-	28	-	-
ON BOATS AND SHORE:						
FULL-TIME.....	-	8	-	30	-	-
PART-TIME.....	6	-	8	-	4	25
TOTAL	6	8	8	58	4	25
VESSLS, MOTOR.....	-	-	-	11	-	-
GROSS TONNAGE.....	-	-	-	359	-	-
BOATS:						
MOTOR.....	4	2	-	14	1	15
OTHER.....	-	-	-	-	2	-
GEAR.....	2	2	8	25	4	450

ITEM	POTS AND TRAPS CONTD	GILL NETS, ANCHOR, SET, OR STAKE	LINES		DIP NETS, COMMON	HARPOONS
	LOBSTER, INSHORE		HAND	LONG OR SET WITH HOOKS		
	-----NUMBER-----					
FISHERMEN:						
ON VESSELS, FULL-TIME.....	15	22	-	-	-	-
ON BOATS AND SHORE:						
FULL-TIME.....	61	35	-	5	-	-
PART-TIME.....	285	4	110	6	14	18
TOTAL	361	61	110	11	14	18
VESSLS, MOTOR.....	8	8	-	-	-	-
GROSS TONNAGE.....	91	164	-	-	-	-
BOATS:						
MOTOR.....	261	17	30	5	-	18
OTHER.....	8	-	-	-	-	-
GEAR.....	28,400	25	110	5	14	18

ITEM	SPEARS	HOES	TOTAL, EXCLUSIVE OF DUPLICATION
			NUMBER
FISHERMEN:			
ON VESSELS, FULL-TIME.....	-	-	65
ON BOATS AND SHORE:			
FULL-TIME.....	-	6	124
PART-TIME.....	5	35	389
TOTAL	5	41	578
VESSLS, MOTOR.....	-	-	27
GROSS TONNAGE.....	-	-	614
BOATS:			
MOTOR.....	-	-	309
OTHER.....	-	14	24
GEAR.....	5	41	-

NEW ENGLAND FISHERIES

NEW HAMPSHIRE - LANDINGS OF CATCH BY GEAR, 1977

SPECIES	HAUL SEINES, COMMON		PURSE SEINES, HERRING		BAG NETS	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
HERRING, SEA	-	-	54,400	2,638	-	-
LAUNCE	6,400	2,624	-	-	-	-
SMELT	-	-	-	-	5,000	2,108
TOTAL	6,400	2,624	54,400	2,638	5,000	2,108
SPECIES	OTTER TRAWLS		WEIRS		POTS AND TRAPS	
	POUNDS	DOLLARS	POUNDS	DOLLARS	CRAB	
ALEWIVES	-	-	210,000	7,518	-	-
ANGLERFISH	8,900	2,985	-	-	-	-
COD	160,200	39,483	-	-	-	-
CUSK	1,700	316	-	-	-	-
EELS, COMMON	-	-	3,500	1,820	-	-
FLOUNDERS:	-	-	-	-	-	-
BLACKBACK	33,800	8,137	-	-	-	-
DAB	265,400	70,904	-	-	-	-
GRAY SOLE	69,100	30,662	-	-	-	-
YELLOWTAIL	82,800	30,739	-	-	-	-
HADDOCK	43,300	17,384	-	-	-	-
HAKE, WHITE	32,500	4,480	-	-	-	-
HALIBUT	500	810	-	-	-	-
OCEAN PERCH	5,800	1,190	-	-	-	-
POLLOCK	23,100	3,667	-	-	-	-
SHAD	200	20	-	-	-	-
SHARKS, UNCLASSIFIED	200	22	-	-	-	-
SKATES	2,000	217	-	-	-	-
SMELT	-	-	5,800	2,445	-	-
WHITING	23,400	1,823	-	-	-	-
UNCLASSIFIED	2,600	353	-	-	-	-
CRABS, ROCK	-	-	-	-	18,200	1,911
SHRIMP	4,800	2,500	-	-	-	-
TOTAL	780,300	215,692	219,300	11,783	18,200	1,911
SPECIES	POTS AND TRAPS - CONTD		GILL NETS, ANCHOR, SET, OR STAKE		LINES	
	LOBSTER, INSHORE		POUNDS	DOLLARS	HAND	
ANGLERFISH	-	-	30,900	10,405	1,000	336
BLUEFISH	-	-	-	-	200	40
COD	-	-	720,400	177,566	30,500	7,518
CUSK	-	-	34,100	8,312	10,500	1,944
FLOUNDERS:	-	-	-	-	-	-
BLACKBACK	-	-	1,600	379	700	168
DAB	-	-	4,100	1,091	2,000	534
GRAYSOLE	-	-	300	143	500	222
YELLOWTAIL	-	-	-	-	1,000	371
HADDOCK	-	-	144,300	57,932	6,000	2,408
HAKE, WHITE	-	-	327,700	45,220	5,000	690
HALIBUT	-	-	1,200	1,830	200	400
MACKEREL, ATLANTIC	-	-	4,000	629	600	99
OCEAN PERCH	-	-	3,800	813	-	-
POLLOCK	-	-	1,130,700	179,218	30,000	4,755
SHAD	-	-	4,000	362	-	-
SHARKS, UNCLASSIFIED	-	-	2,800	420	500	75
SKATES	-	-	1,100	114	200	25
SMELT	-	-	-	-	4,300	1,812
STRIPED BASS	-	-	-	-	2,000	700
STURGEON, COMMON	-	-	800	139	-	-
TUNA, BLUEFIN	-	-	-	-	1,400	1,100
WHITING	-	-	10,500	820	-	-
WOLFFISH	-	-	1,000	112	500	54
UNCLASSIFIED	-	-	3,200	420	2,000	266
CRABS, ROCK	4,400	462	-	-	-	-
LOBSTERS, AMERICAN	474,100	812,038	-	-	-	-
TOTAL	478,500	812,500	2,426,500	483,925	99,100	23,517

(CONTINUED ON NEXT PAGE)

NEW HAMPSHIRE - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	LINES - CONTINUED		DIP NETS, COMMON		HARPOONS	
	LONG OR SET WITH HOOKS					
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ANGLERFISH	3,000	1,010	-	-	-	-
COD	40,000	9,860	-	-	-	-
CUSK	85,000	15,742	-	-	-	-
FLOUNDERS:						
BLACKBACK	500	120	-	-	-	-
DAB	1,500	401	-	-	-	-
HADDOCK	30,000	12,042	-	-	-	-
HAKE, WHITE	30,000	4,140	-	-	-	-
HALIBUT	1,100	1,575	-	-	-	-
POLLOCK	24,000	3,804	-	-	-	-
SHARKS, UNCLASSIFIED	500	67	-	-	-	-
SKATES	2,500	250	-	-	-	-
SMELT	-	-	8,500	3,585	-	-
STURGEON, COMMON	200	40	-	-	-	-
TUNA, BLUEFIN	-	-	-	-	2,200	1,733
WHITING	1,200	93	-	-	-	-
WOLFFISH	1,000	110	-	-	-	-
UNCLASSIFIED	2,500	333	-	-	-	-
TOTAL	223,000	49,587	8,500	3,585	2,200	1,733

SPECIES	SPEARS		HOES	
	POUNDS	DOLLARS	POUNDS	DOLLARS
EELS, COMMON	2,100	3,143	-	-
SANDWORMS	-	-	23,800	32,280
TOTAL	2,100	3,143	23,800	32,280

MASSACHUSETTS

OPERATING UNITS BY GEAR, 1977

ITEM	HAUL SEINES		PURSE SEINES			OTTER TRAWLS
	COMMON	DANISH	HERRING	TUNA	OTHER	
	NUMBER					
FISHERMEN:						
ON VESSELS:						
FULL-TIME	-	8	53	21	26	1,976
PART-TIME	-	-	-	-	-	4
ON BOATS AND SHORE:						
FULL-TIME	8	13	-	-	-	111
PART-TIME	15	-	-	-	-	8
TOTAL	23	21	53	21	26	2,099
VESSELS, MOTOR	-	3	8	2	3	418
GROSS TONNAGE	-	132	860	262	507	30,754
BOATS:						
MOTOR	6	5	7	2	2	52
OTHER	1	-	2	2	2	-
GEAR	8	8	8	2	3	475

ITEM	POUND NETS, FISH	FLOATING TRAPS	POTS AND TRAPS			
			CONCH	CRAB	EEL	FISH
	NUMBER					
FISHERMEN:						
ON VESSELS, FULL-TIME	-	3	-	10	-	-
ON BOATS AND SHORE:						
FULL-TIME	22	6	28	-	20	2
PART-TIME	-	12	32	2	78	9
TOTAL	22	21	60	12	98	11
VESSELS, MOTOR	-	1	-	1	-	-
GROSS TONNAGE	-	2	-	166	-	-
BOATS:						
MOTOR	4	6	55	2	98	10
OTHER	8	7	-	-	-	-
GEAR	14	7	2,030	460	5,240	250

(CONTINUED ON NEXT PAGE)

NEW ENGLAND FISHERIES

MASSACHUSETTS - OPERATING UNITS BY GEAR, 1977 - Continued

ITEM	POTS AND TRAPS - CONTD		GILL NETS		LINES	
	LOBSTER		ANCHOR, SET, OR STAKE	DRIFT	HAND	TROLL
	INSHORE	OFFSHORE				
	----- NUMBER -----					
FISHERMEN:						
ON VESSELS, FULL-TIME.....	-	112	42	-	3	-
ON BOATS AND SHORE:						
FULL-TIME.....	1,168	21	139	20	256	44
PART-TIME.....	92	-	36	-	3,650	1,314
TOTAL.....	1,260	133	217	20	3,909	1,358
VESSLS, MOTOR.....	-	31	15	-	1	-
GROSS TONNAGE.....	-	1,281	333	-	21	-
BOATS, MOTOR.....	1,175	7	82	10	1,870	879
GEAR.....	216,723	23,000	97	10	3,697	1,432
ITEM	LINES - CONTD		HARPOONS		SPEARS	DREDGES
	LONG, OR SET WITH HOOKS	DIP NETS, COMMON	SWORDFISH	OTHER		CLAM
	----- NUMBER -----					
FISHERMEN:						
ON VESSELS, FULL-TIME.....	112	-	40	-	-	9
ON BOATS AND SHORE:						
FULL-TIME.....	210	10	6	97	-	28
PART-TIME.....	42	66	-	188	15	16
TOTAL.....	364	76	46	285	15	53
VESSLS, MOTOR.....	28	-	10	-	-	2
GROSS TONNAGE.....	1,850	-	395	-	-	26
BOATS, MOTOR.....	103	50	1	120	5	22
GEAR.....	129	76	11	158	15	24
ITEM	DREDGES - CONTINUED				TONGS	
	MUSSEL, SEA	OYSTER, COMMON	SCALLOP		OYSTER	OTHER
			BAY	SEA		
	----- NUMBER -----					
FISHERMEN:						
ON VESSELS:						
FULL-TIME.....	-	-	-	826	-	-
PART-TIME.....	-	-	-	4	-	-
ON BOATS AND SHORE:						
FULL-TIME.....	5	6	497	48	2	38
PART-TIME.....	7	2	709	4	8	61
TOTAL.....	12	8	1,206	862	10	99
VESSLS, MOTOR.....	-	-	-	135	-	-
GROSS TONNAGE.....	-	-	-	10,539	-	-
BOATS, MOTOR.....	9	4	640	26	10	99
GEAR.....	12	4	2,738	244	10	99
ITEM	RAKES		HOES	DIVING OUTFITS	TOTAL, EXCLUSIVE OF DUPLICATION	
	OYSTER	OTHER				
		----- NUMBER -----				
FISHERMEN:						
ON VESSELS:						
FULL-TIME.....	-	-	-	-	2,895	
PART-TIME.....	-	-	-	-	4	
ON BOATS AND SHORE:						
FULL-TIME.....	30	349	124	-	2,547	
PART-TIME.....	62	982	318	5	5,680	
TOTAL.....	92	1,331	442	5	11,106	
VESSLS, MOTOR.....	-	-	-	-	575	
GROSS TONNAGE.....	-	-	-	-	42,444	
BOATS:						
MOTOR.....	72	1,029	326	5	4,910	
OTHER.....	-	-	-	-	21	
GEAR.....	92	1,331	442	5	-	

MASSACHUSETTS - LANDINGS OF CATCH BY GEAR, 1977

SPECIES	HAUL SEINES				PURSE SEINES	
	COMMON		DANISH		HERRING	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ALEWIVES.....	50,000	1,630	-	-	-	-
ANGLERFISH.....	-	-	6,800	2,563	-	-
BLUEFISH.....	-	-	-	-	1,000	127
COD.....	-	-	76,500	17,401	1,600	337
CUSK.....	-	-	1,400	211	100	20
FLOUNDERS:						
BLACKBACK.....	-	-	47,400	14,005	-	-
DAB.....	-	-	44,400	14,139	-	-
FLUKE.....	-	-	300	199	-	-
GRAY SOLE.....	-	-	40,900	26,004	-	-
SAND.....	-	-	1,000	152	-	-
YELLOWTAIL.....	-	-	168,600	74,097	-	-
HADDOCK.....	-	-	65,200	20,601	-	-
HAKE:						
RED.....	-	-	200	29	-	-
WHITE.....	-	-	11,300	1,769	-	-
HALIBUT.....	-	-	500	673	-	-
HERRING, SEA.....	-	-	-	-	13,540,500	562,641
LAUNCE.....	36,000	12,600	-	-	-	-
MACKEREL, ATLANTIC.....	-	-	-	-	291,700	29,643
POLLOCK.....	-	-	1,500	136	-	-
SEA BASS, BLACK.....	-	-	100	55	-	-
WHITE PERCH.....	16,200	6,980	-	-	-	-
WHITING.....	-	-	4,900	470	-	-
WOLFFISH.....	-	-	1,500	95	-	-
UNCLASSIFIED.....	-	-	8,800	1,682	-	-
SCALLOPS, SEA.....	-	-	-	20	-	-
SQUID.....	-	-	390,000	134,403	-	-
TOTAL.....	102,200	21,210	871,300	308,704	13,834,900	592,768

SPECIES	PURSE SEINES - CONTINUED				OTTER TRAWLS	
	TUNA		OTHER		HERRING	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ALEWIVES.....	-	-	18,000	450	82,300	1,250
ANGLERFISH.....	-	-	-	-	1,740,800	632,303
BLUEFISH.....	-	-	-	-	17,200	2,312
BUTTERFISH.....	-	-	-	-	20,300	6,366
COD.....	-	-	-	-	55,495,600	12,440,791
CUSK.....	-	-	-	-	883,000	139,160
EELS:						
COMMON.....	-	-	-	-	100	30
CONGER.....	-	-	-	-	4,600	713
FLOUNDERS:						
BLACKBACK.....	-	-	-	-	14,591,900	5,406,921
DAB.....	-	-	-	-	9,280,600	2,949,525
FLUKE.....	-	-	-	-	1,292,000	730,464
GRAY SOLE.....	-	-	-	-	3,518,600	1,721,006
LEMON SOLE.....	-	-	-	-	1,629,200	806,948
SAND.....	-	-	-	-	3,296,200	785,452
YELLOWTAIL.....	-	-	-	-	27,836,500	13,226,470
UNCLASSIFIED.....	-	-	-	-	1,000	241
HADDOCK.....	-	-	-	-	24,534,500	7,759,760
HAKE:						
RED.....	-	-	-	-	1,814,400	150,844
WHITE.....	-	-	-	-	3,366,700	522,366
HALIBUT.....	-	-	-	-	51,300	60,163
HERRING, SEA.....	-	-	-	-	24,180,900	811,488
MACKEREL, ATLANTIC.....	-	-	-	-	55,700	11,835
OCEAN PERCH.....	-	-	-	-	14,151,200	2,204,454
OCEAN POUT.....	-	-	-	-	725,300	55,533
POLLOCK.....	-	-	-	-	14,889,800	2,229,867
SCUP OR PORGY.....	-	-	-	-	1,006,600	181,774
SEA BASS, BLACK.....	-	-	-	-	73,100	48,832
SEA ROBIN.....	-	-	-	-	-	-
SEA TROUT OR WEAFFISH, GRAY.....	-	-	-	-	7,300	997
SHAD.....	-	-	-	-	200	24
SHARKS:						
GRAYFISH.....	-	-	-	-	32,400	3,240
UNCLASSIFIED.....	-	-	-	-	1,000	114

(CONTINUED ON NEXT PAGE)

NEW ENGLAND FISHERIES

MASSACHUSETTS - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	PURSE SEINES - CONTINUED				OTTER TRAWLS	
	TUNA		OTHER		POUNDS	DOLLARS
	POUNDS	DOLLARS	POUNDS	DOLLARS		
SKATES.....	-	-	-	-	183,400	20,413
SMELT.....	-	-	-	-	100	11
STRIPED BASS.....	-	-	-	-	1,800	1,039
STURGEON, COMMON.....	-	-	-	-	700	107
TAUTOG.....	-	-	-	-	28,400	1,990
TILEFISH.....	-	-	-	-	22,100	3,938
TUNA, BLUEFIN.....	367,800	404,525	-	-	-	-
WHITING.....	-	-	-	-	27,100,500	2,293,275
WOLFFISH.....	-	-	-	-	895,000	79,584
UNCLASSIFIED.....	-	-	17,407,800	400,825	1,049,700	254,387
CRABS, UNCLASSIFIED.....	-	-	-	-	1,800	404
LOBSTERS, AMERICAN.....	-	-	-	-	650,800	1,308,216
SHRIMP.....	-	-	-	-	522,000	282,993
CONCHS.....	-	-	-	-	5,800	1,095
SCALLOPS, SEA.....	-	-	-	-	118,300	187,782
SQUID.....	-	-	-	-	3,057,800	445,686
TOTAL.....	367,800	404,525	17,425,800	401,275	238,177,900	57,752,183

SPECIES	POUND NETS, FISH		FLOATING TRAPS		POTS AND TRAPS	
	POUNDS	DOLLARS	POUNDS	DOLLARS	CONCH	
					POUNDS	DOLLARS
ALEWIVES.....	-	-	1,500	84	-	-
ANGLERFISH.....	-	-	600	601	-	-
BLJEFISH.....	59,300	8,986	2,200	454	-	-
BONITO.....	900	625	-	-	-	-
BUTTERFISH.....	35,600	13,030	100	18	-	-
COD.....	-	-	1,300	308	-	-
CUSK.....	-	-	200	11	-	-
FLOUNDERS, FLUKE.....	38,700	20,608	-	-	-	-
HERRING, SEA.....	-	-	5,100	347	-	-
MACKEREL, ATLANTIC.....	317,000	73,040	120,200	37,594	-	-
SCUP OR PORGY.....	535,100	141,426	-	-	-	-
SEA BASS, BLACK.....	14,400	8,334	-	-	-	-
SEA TROUT OR WEAKFISH, GRAY.....	2,700	505	-	-	-	-
STRIPED BASS.....	-	30	-	-	-	-
TUNA, BLUEFIN.....	1,500	1,106	-	-	-	-
WHITING.....	-	-	1,800	103	-	-
UNCLASSIFIED.....	55,000	7,842	10,500	2,345	-	-
CONCHS.....	-	-	-	-	116,200	59,800
SQUID.....	8,900	2,867	4,800	347	-	-
TOTAL.....	1,069,100	278,399	148,300	42,212	116,200	59,800

SPECIES	POTS AND TRAPS					
	CRAB		EEL		FISH	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
EELS, COMMON.....	-	-	305,000	167,100	-	-
SCUP OR PORGY.....	-	-	-	-	55,000	15,050
SEA BASS, BLACK.....	-	-	-	-	3,000	1,770
HORSESHOE CRAB.....	6,000	1,200	-	-	-	-
TOTAL.....	6,000	1,200	305,000	167,100	58,000	16,820

SPECIES	POTS AND TRAPS - CONTINUED				GILL NETS	
	LOBSTER				ANCHOR, SET, OR STAKE	
	INSHORE		OFFSHORE			
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ANGLERFISH.....	-	-	-	-	30,200	11,485
BLUEFISH.....	-	-	-	-	800	114
COD.....	-	-	-	-	2,209,900	591,538
CUSK.....	-	-	-	-	45,500	8,904
EELS, CONGER.....	-	-	-	-	100	39

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MASSACHUSETTS - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	POTS AND TRAPS - CONTINUED				GILL NETS	
	LOBSTER				ANCHOR, SET, OR STAKE	
	INSHORE		OFFSHORE			
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
FLOUNDERS:						
BLACKBACK.....	-	-	-	-	282,700	81,389
DAB.....	-	-	-	-	10,200	3,208
GRAY SOLE.....	-	-	-	-	500	201
SAND.....	-	-	-	-	1,200	301
YELLOWTAIL.....	-	-	-	-	15,500	6,988
HADDOCK.....	-	-	-	-	245,800	97,404
HAKE:						
RED.....	-	-	-	-	53,500	8,577
WHITE.....	-	-	-	-	210,200	20,122
HALIBUT.....	-	-	-	-	1,900	2,547
MACKEREL, ATLANTIC.....	-	-	-	-	122,000	45,701
OCEAN PERCH.....	-	-	-	-	2,100	412
POLLOCK.....	-	-	-	-	1,010,600	142,991
SEA BASS, BLACK.....	-	-	-	-	100	74
SHARKS, GRAYFISH.....	-	-	-	-	1,800	120
SKATES.....	-	-	-	-	900	106
STRIPED BASS.....	-	-	-	-	200	162
STURGEON, COMMON.....	-	-	-	-	1,900	340
TAUTOG.....	-	-	-	-	9,500	674
WHITING.....	-	-	-	-	64,200	6,746
WOLFFISH.....	-	-	-	-	3,800	440
UNCLASSIFIED.....	-	-	188,500	58,973	33,300	5,422
CRABS, UNCLASSIFIED.....	45,000	11,250	2,700,000	909,922	-	-
LOBSTERS, AMERICAN.....	5,377,300	10,038,400	1,175,500	2,326,446	-	-
SQUID.....	-	-	-	-	1,000	73
TOTAL.....	5,422,300	10,049,650	4,064,000	3,295,341	4,359,400	1,036,058

SPECIES	GILL NETS - CONTINUED		LINES					
			DRIFT		HAND		TROLL	
			POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ANGLERFISH.....	300	156	-	-	-	-	-	-
BLUEFISH.....	6,900	987	287,100	50,065	114,200	-	19,422	-
COD.....	92,600	21,996	320,500	98,180	-	-	-	-
CUSK.....	4,400	1,145	1,000	174	-	-	-	-
FLOUNDERS:								
BLACKBACK.....	84,900	26,605	36,000	10,535	-	-	-	-
DAB.....	4,300	1,753	-	-	-	-	-	-
FLUKE.....	-	-	140,000	74,850	-	-	-	-
GRAY SOLE.....	6,900	3,819	-	-	-	-	-	-
YELLOWTAIL.....	4,500	1,832	-	-	-	-	-	-
HADDOCK.....	1,200	470	3,200	1,026	-	-	-	-
HAKE:								
RED.....	1,200	92	-	-	-	-	-	-
WHITE.....	300	44	2,900	538	-	-	-	-
HALIBUT.....	-	-	400	470	-	-	-	-
MACKEREL, ATLANTIC.....	1,500	255	6,500	1,647	1,400	-	577	-
OCEAN PERCH.....	200	77	-	-	-	-	-	-
POLLOCK.....	6,400	664	11,000	1,587	-	-	-	-
SCUP OR PORGY.....	-	-	110,000	32,400	-	-	-	-
SEA BASS, BLACK.....	-	-	1,000	600	-	-	-	-
SEA TROUT OR WEAKFISH, GRAY.....	-	-	4,000	800	-	-	-	-
STRIPED BASS.....	-	-	840,300	713,363	339,100	-	287,374	-
STURGEON, COMMON.....	200	28	-	-	-	-	-	-
TAUTOG.....	300	86	17,400	1,230	-	-	-	-
TUNA, BLUEFIN.....	-	-	466,900	275,437	480,000	-	245,138	-
WHITE PERCH.....	-	-	7,500	3,200	-	-	-	-
WHITING.....	2,200	253	-	-	-	-	-	-
WOLFFISH.....	900	79	-	-	-	-	-	-
UNCLASSIFIED.....	3,100	736	100	24	-	-	-	-
SHRIMP.....	200	126	-	-	-	-	-	-
TOTAL.....	222,500	61,203	2,255,800	1,266,126	914,700	-	552,511	-

(CONTINUED ON NEXT PAGE)

NEW ENGLAND FISHERIES

MASSACHUSETTS - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	LINES - CONTINUED		DIP NETS, COMMON		HARPOONS	
	LONG OR SET WITH HOOKS				SWORDFISH	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ANGLERFISH	10,600	3,945	-	-	-	-
BLUEFISH	15,100	2,765	-	-	-	-
COD	4,509,300	981,749	-	-	-	-
CUSK	688,200	125,535	-	-	-	-
EELS:						
COMMON	600	45	-	-	-	-
CONGER	800	114	-	-	-	-
FLOUNDERS:						
BLACKBACK	1,700	524	-	-	-	-
DAB	18,800	6,792	-	-	-	-
FLUKE	2,100	1,386	-	-	-	-
GRAY SOLE	11,800	6,203	-	-	-	-
YELLOWTAIL	5,200	1,981	-	-	-	-
HADDOCK	343,700	159,243	-	-	-	-
HAKE:						
RED	53,500	11,700	-	-	-	-
WHITE	406,200	59,737	-	-	-	-
HALIBUT	21,900	32,421	-	-	-	-
HERRING, SEA	600	46	-	-	-	-
MACKEREL, ATLANTIC	3,200	596	-	-	-	-
OCEAN PERCH	2,100	467	-	-	-	-
POLLOCK	511,500	85,481	-	-	-	-
SCUP OR PORGY	5,100	2,312	-	-	-	-
SEA BASS, BLACK	12,600	7,479	-	-	-	-
SHARKS:						
GRAYFISH	2,600	171	-	-	-	-
UNCLASSIFIED	500	23	-	-	-	-
SKATES	15,100	1,582	-	-	-	-
STRIPED BASS	3,700	4,024	-	-	-	-
STURGEON, COMMON	300	71	-	-	-	-
SWORDFISH	1,795,100	2,266,173	-	-	640,500	911,071
TAUTOG	300	51	-	-	-	-
TILEFISH	163,500	57,477	-	-	-	-
TUNA, BLUEFIN	58,000	38,251	-	-	-	-
WHITING	5,500	644	-	-	-	-
WOLFFISH	10,500	634	-	-	-	-
UNCLASSIFIED	30,800	5,418	-	-	-	-
SCALLOPS, BAY	-	-	4,200	13,097	-	-
SQUID	200	16	-	-	-	-
TOTAL	8,710,700	3,845,056	4,200	13,097	640,500	911,071

SPECIES	HARPOONS - CONTINUED		SPEARS		DREDGES	
	OTHER				CLAM	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
EELS, COMMON	-	-	10,100	6,170	-	-
TUNA, BLUEFIN	254,400	155,373	-	-	-	-
CLAMS:						
HARD, PUBLIC	-	-	-	-	108,100	120,322
OCEAN QUAHOG	-	-	-	-	165,000	48,266
SURF	-	-	-	-	454,400	321,151
TOTAL	254,400	155,373	10,100	6,170	727,500	489,739

SPECIES	DREDGES - CONTINUED					
	MUSSEL, SEA		OYSTER, COMMON		SCALLOP	
					BAY	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
MUSSELS, SEA	25,000	13,250	-	-	-	-
OYSTERS:						
PUBLIC:						
SPRING	-	-	9,100	25,200	-	-
FALL	-	-	9,100	25,200	-	-
PRIVATE:						
SPRING	-	-	4,100	12,500	-	-
FALL	-	-	4,100	12,500	-	-
SCALLOPS, BAY	-	-	-	-	1,004,700	2,969,965
TOTAL	25,000	13,250	26,400	75,400	1,004,700	2,969,965

(CONTINUED ON NEXT PAGE)

MASSACHUSETTS - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	DREDGES - CONTINUED		TONGS			
	SCALLOP - CONTD		OYSTER		OTHER	
	SEA					
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ANGLERFISH.....	127,000	46,113	-	-	-	-
BLUEFISH.....	100	17	-	-	-	-
COD.....	5,900	1,265	-	-	-	-
CUSK.....	100	50	-	-	-	-
FLOUNDERS:						
BLACKBACK.....	41,100	13,045	-	-	-	-
DAB.....	1,200	312	-	-	-	-
FLUKE.....	4,400	2,551	-	-	-	-
GRAY SOLE.....	1,700	836	-	-	-	-
LEMON SOLE.....	600	290	-	-	-	-
SAND.....	3,100	654	-	-	-	-
YELLOWTAIL.....	67,500	31,235	-	-	-	-
HADDOCK.....	2,500	521	-	-	-	-
HAKE, RED.....	100	17	-	-	-	-
HALIBUT.....	300	444	-	-	-	-
SEA BASS, BLACK.....	100	28	-	-	-	-
SKATES.....	1,200	150	-	-	-	-
WOLFFISH.....	1,400	145	-	-	-	-
UNCLASSIFIED.....	100	55	-	-	-	-
LOBSTERS, AMERICAN.....	15,500	23,042	-	-	-	-
CLAMS:						
HARD, PUBLIC.....	-	-	-	-	43,800	63,710
SURF.....	-	-	-	-	28,400	20,672
OYSTERS, PUBLIC, SPRING.....	-	-	3,100	5,760	-	-
SCALLOPS, SEA.....	17,243,700	28,481,628	-	-	-	-
TOTAL.....	17,517,600	28,602,398	3,100	5,760	72,200	84,382

SPECIES	RAKES				HOES		DIVING OUTFITS	
	OYSTER		OTHER		POUNDS	DOLLARS	POUNDS	DOLLARS
	POUNDS	DOLLARS	POUNDS	DOLLARS				
LOBSTERS, AMERICAN.....	-	-	-	-	-	-	16,200	32,462
CLAMS:								
HARD:								
PUBLIC.....	-	-	413,600	1,000,754	-	-	-	-
PRIVATE.....	-	-	55,000	100,000	-	-	-	-
OCEAN QUAHOG.....	-	-	600	185	-	-	-	-
RAZOR.....	-	-	2,400	918	-	-	-	-
SOFT, PUBLIC.....	-	-	83,100	153,200	490,600	843,052	-	-
SURF.....	-	-	1,500	1,012	-	-	-	-
MUSSELS, SEA.....	-	-	236,300	126,410	2,000	1,200	-	-
OYSTERS, PUBLIC:								
SPRING.....	17,100	31,300	-	-	-	-	-	-
FALL.....	6,400	24,600	-	-	-	-	-	-
IRISH MOSS.....	-	-	1,079,400	43,174	-	-	-	-
SANDWORMS.....	-	-	-	-	30,500	60,000	-	-
TOTAL.....	23,500	55,900	1,871,900	1,425,653	523,100	904,252	16,200	32,462

NEW ENGLAND FISHERIES

RHODE ISLAND OPERATING UNITS BY GEAR, 1977

ITEM	HAUL SEINES, COMMON	PURSE SEINES	OTTER TRAWLS	FLOATING TRAPS	POTS AND TRAPS	
					CONCH	CRAB
NUMBER						
FISHERMEN:						
ON VESSELS:						
FULL-TIME	-	24	654	46	-	-
PART-TIME	-	-	12	30	-	-
ON BOATS AND SHORE:						
FULL-TIME	4	-	26	-	30	2
PART-TIME	2	-	1	-	2	-
TOTAL	6	24	693	76	32	2
VESSLS, MOTOR	-	3	143	6	-	-
GROSS TONNAGE	-	268	10,788	168	-	-
BOATS:						
MOTOR	2	6	14	-	32	1
OTHER	1	-	-	16	-	-
GEAR	3	3	157	18	1,027	40

ITEM	POTS AND TRAPS - CONTINUED			GILL NETS; ANCHOR, SET, OR STAKE	LINES	
	EEL	LOBSTER			HAND	LONG OR SET WITH HOOKS
		INSHORE	OFFSHORE			
NUMBER						
FISHERMEN:						
ON VESSELS:						
FULL-TIME	-	4	190	-	-	23
PART-TIME	-	-	-	-	-	2
ON BOATS AND SHORE:						
FULL-TIME	7	315	7	3	-	12
PART-TIME	4	216	-	-	272	-
TOTAL	11	535	197	3	272	37
VESSLS, MOTOR	-	2	44	-	-	5
GROSS TONNAGE	-	27	3,007	-	-	402
BOATS, MOTOR	11	233	2	2	272	6
GEAR	332	34,730	36,022	2	272	11

ITEM	DIP NETS, COMMON	HARPOONS, SWORDFISH	DREDGES			
			CLAM	MUSSEL, SEA	SCALLOP	
					BAY	SEA
NUMBER						
FISHERMEN:						
ON VESSELS:						
FULL-TIME	-	37	30	7	-	62
PART-TIME	-	18	-	-	-	-
ON BOATS AND SHORE:						
FULL-TIME	34	-	9	-	34	-
PART-TIME	42	-	-	-	43	-
TOTAL	76	55	39	7	77	62
VESSLS, MOTOR	-	7	8	2	-	11
GROSS TONNAGE	-	462	578	28	-	561
BOATS, MOTOR	76	2	3	-	77	-
GEAR	76	7	11	3	145	16

ITEM	TONGS	RAKES	HOES	TOTAL, EXCLUSIVE OF DUPLICATION
				NUMBER
FISHERMEN:				
ON VESSELS:				
FULL-TIME	-	-	-	906
PART-TIME	-	-	-	10
ON BOATS AND SHORE:				
FULL-TIME	118	479	14	820
PART-TIME	180	722	36	1,340
TOTAL	298	1,201	50	3,076
VESSLS, MOTOR	-	-	-	217
GROSS TONNAGE	-	-	-	15,332
BOATS				
MOTOR	298	1,201	-	1,821
OTHER	-	-	-	17
GEAR	298	1,201	50	-

RHODE ISLAND - LANDINGS OF CATCH BY GEAR, 1977

SPECIES	HAUL SEINES, COMMON		PURSE SEINES		OTTER TRAWLS	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ALEWIVES.....	32,500	1,845	-	-	-	-
ANGLERFISH.....	-	-	-	-	232,900	74,249
BLUEFISH.....	-	-	-	-	112,300	19,078
BUTTERFISH.....	-	-	-	-	1,379,100	363,628
COD.....	-	-	-	-	3,376,400	706,913
CROAKER.....	-	-	-	-	400	74
CUSK.....	-	-	-	-	11,700	1,243
EELS, CONGER.....	-	-	-	-	4,900	909
FLOUNDERS:						
BLACKBACK.....	100	16	-	-	3,982,300	1,364,489
DAB.....	-	-	-	-	295,500	98,210
FLUKE.....	-	-	-	-	3,993,100	2,164,671
GRAY SOLE.....	-	-	-	-	190,300	64,146
LEMON SOLE.....	-	-	-	-	273,300	135,912
SAND.....	-	-	-	-	545,300	113,443
YELLOWTAIL.....	-	-	-	-	7,115,800	3,273,366
HADDOCK.....	-	-	-	-	877,000	229,962
HAKE:						
RED.....	-	-	-	-	533,600	34,320
WHITE.....	-	-	-	-	76,200	9,504
HALIBUT.....	-	-	-	-	1,300	1,190
HERRING, SEA.....	-	-	-	-	640,400	33,131
MACKEREL, ATLANTIC.....	-	-	600	230	95,300	16,398
OCEAN PERCH.....	-	-	-	-	51,800	8,848
OCEAN POUT.....	-	-	-	-	541,700	38,839
POLLOCK.....	-	-	-	-	236,800	32,852
SCUP OR PORGY.....	-	-	-	-	3,287,800	555,365
SEA BASS, BLACK.....	-	-	-	-	102,000	43,667
SEA TROUT OR WEAKFISH, GRAY.....	-	-	-	-	12,200	2,156
SHARKS:						
GRAYFISH.....	-	-	-	-	46,500	2,761
UNCLASSIFIED.....	-	-	-	-	200	38
SKATES.....	-	-	-	-	7,500	629
STRIPED BASS.....	-	-	-	-	6,000	4,960
STURGEON, COMMON.....	-	-	-	-	600	106
SWORDFISH.....	-	-	-	-	1,400	1,773
TAUTOG.....	-	-	-	-	13,500	608
TILEFISH.....	-	-	-	-	643,700	139,916
WHITE PERCH.....	11,600	4,000	-	-	-	-
WHITING.....	-	-	-	-	5,441,700	480,666
WOLFFISH.....	-	-	-	-	4,000	296
UNCLASSIFIED.....	2,100	497	10,049,500	205,565	13,326,600	293,651
LOBSTERS, AMERICAN.....	-	-	-	-	288,600	622,994
CONCHS.....	-	-	-	-	26,100	2,889
SCALLOPS, SEA.....	-	-	-	-	10,400	17,274
SQUID.....	-	-	-	-	745,800	308,105
TOTAL.....	46,300	6,358	10,050,100	205,795	48,532,000	11,263,229

SPECIES	FLOATING TRAPS		POTS AND TRAPS			
			CONCH		CRAB	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ALEWIVES.....	2,800	138	-	-	-	-
ANGLERFISH.....	17,800	7,854	-	-	-	-
BLUEFISH.....	71,400	18,371	-	-	-	-
BONITO.....	125,400	56,043	-	-	-	-
BUTTERFISH.....	149,400	61,512	-	-	-	-
COD.....	2,000	965	-	-	-	-
FLOUNDERS, FLUKE.....	38,500	25,205	-	-	-	-
HAKE, RED.....	100	5	-	-	-	-
HERRING, SEA.....	6,200	624	-	-	-	-
MACKEREL, ATLANTIC.....	176,800	45,709	-	-	-	-
POLLOCK.....	1,100	144	-	-	-	-
SCUP OR PORGY.....	3,281,200	413,211	-	-	-	-
SEA BASS, BLACK.....	65,700	26,730	-	-	-	-
SEA ROBIN.....	69,400	3,694	-	-	-	-
SEA TROUT OR WEAKFISH, GRAY.....	314,700	99,914	-	-	-	-
SHAD.....	800	185	-	-	-	-

(CONTINUED ON NEXT PAGE)

NEW ENGLAND FISHERIES

RHODE ISLAND - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	FLOATING TRAPS		POTS AND TRAPS			
			CONCH		CRAB	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
SHARKS:						
GRAYFISH	1,200	102	-	-	-	-
UNCLASSIFIED	100	33	-	-	-	-
SKATES	1,400	190	-	-	-	-
STRIPED BASS	13,900	14,143	-	-	-	-
TAUTOG	4,100	993	-	-	-	-
WHITING	53,100	5,336	-	-	-	-
UNCLASSIFIED	190,700	7,460	-	-	-	-
CRABS, GREEN	-	-	-	-	4,400	880
CONCHS	-	-	127,900	69,702	-	-
SQUID	227,700	106,668	-	-	-	-
TOTAL	4,815,500	895,229	127,900	69,702	4,400	880

SPECIES	POTS AND TRAPS - CONTINUED					
	EEL		LOBSTER			
	POUNDS	DOLLARS	INSHORE		OFFSHORE	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
COD	-	-	-	-	100	64
EELS:						
COMMON	23,400	14,857	-	-	-	-
CONGER	-	-	7,800	1,529	3,800	527
SCUP OR PORGY	-	-	-	-	-	41
SEA BASS, BLACK	-	-	1,100	1,005	2,900	2,094
TAUTOG	-	-	400	86	-	-
UNCLASSIFIED	-	-	100	13	4,800	1,178
CRABS:						
RED	-	-	-	-	7,100	2,223
JONAH	-	-	2,900	478	795,800	137,463
ROCK	-	-	95,400	18,875	-	-
LOBSTERS, AMERICAN	-	-	630,000	1,174,227	2,573,000	5,074,276
TOTAL	23,400	14,857	737,700	1,196,213	3,387,500	5,217,866

SPECIES	GILL NETS, ANCHOR, SET, OR STAKE		LINES			
			HAND		LONG OR SET WITH HOOKS	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BLUEFISH	-	-	61,000	10,512	-	-
COD	-	-	2,000	553	49,800	13,156
EELS, CONGER	-	-	6,500	1,012	1,200	228
FLOUNDERS:						
BLACKBACK	-	-	3,900	1,310	-	-
FLUKE	-	-	25,300	16,631	-	-
SAND	-	-	400	62	-	-
YELLOWTAIL	-	-	-	-	300	120
HAKE, RED	-	-	3,300	264	-	-
MACKEREL, ATLANTIC	-	-	600	195	-	-
OCEAN POUT	-	-	200	15	-	-
POLLOCK	-	-	1,000	72	-	-
SCUP OR PORGY	-	-	11,600	3,597	-	-
SEA BASS, BLACK	-	-	4,200	2,505	-	-
SEA TROUT OR WEAKFISH	-	-	600	100	-	-
SHARKS, GRAYFISH	-	-	10,600	733	-	-
STRIPED BASS	2,300	2,208	87,400	65,682	-	-
SWORDFISH	-	-	-	-	68,000	98,822
TAUTOG	-	-	1,300	119	-	-
TILEFISH	-	-	-	-	136,600	56,757
TUNA:						
BLUEFIN	-	-	2,000	2,033	500	436
UNCLASSIFIED	-	-	100	107	-	-
WHITE PERCH	-	-	100	47	-	-
WHITING	-	-	100	8	-	-
UNCLASSIFIED	-	-	19,600	4,190	-	-
TOTAL	2,300	2,208	241,800	109,747	256,400	169,519

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RHODE ISLAND - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	DIP NETS, COMMON		HARPOONS, SWORDFISH		DREDGES	
	POUNDS	DOLLARS	POUNDS	DOLLARS	CLAM	
SHARKS, UNCLASSIFIED.....	-	-	100	63	-	-
SWORDFISH.....	-	-	11,200	17,035	-	-
TUNA:						
BLUEFIN.....	-	-	1,000	820	-	-
UNCLASSIFIED.....	-	-	600	469	-	-
UNCLASSIFIED.....	-	-	-	-	100	20
CLAMS:						
OCEAN QUAHOG.....	-	-	-	-	2,798,700	793,950
SURF.....	-	-	-	-	198,200	112,597
SCALLOPS, BAY.....	12,800	37,060	-	-	-	-
SQUID.....	1,900	764	-	-	-	-
TOTAL.....	14,700	37,824	12,900	18,387	2,997,000	906,567

SPECIES	DREDGES - CONTINUED					
	MUSSEL, SEA		SCALLOP			
	POUNDS	DOLLARS	BAY		SEA	
ANGLERFISH.....	-	-	-	-	7,500	2,255
COD.....	-	-	-	-	100	33
FLOUNDERS:						
BLACKBACK.....	-	-	-	-	500	156
FLUKE.....	-	-	-	-	900	574
SAND.....	-	-	-	-	700	177
YELLOWTAIL.....	-	-	-	-	6,000	2,431
HAKE, WHITE.....	-	-	-	-	300	23
SKATES.....	-	-	-	-	500	48
MUSSELS, SEA.....	165,000	73,696	-	-	-	-
SCALLOPS:						
BAY.....	-	-	22,500	65,015	-	-
SEA.....	-	-	-	-	89,200	139,872
TOTAL.....	165,000	73,696	22,500	65,015	105,700	145,569

SPECIES	TONGS		RAKES		HOES	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
CLAMS:						
HARD, PUBLIC.....	317,200	572,723	1,268,700	2,291,453	-	-
SOFT, PUBLIC.....	-	-	-	-	3,800	6,385
TOTAL.....	317,200	572,723	1,268,700	2,291,453	3,800	6,385

NEW ENGLAND FISHERIES

CONNECTICUT
OPERATING UNITS BY GEAR, 1977

ITEM	HAUL SEINES, COMMON	OTTER TRAWLS	FYKE AND HOOP NETS, FISH	POTS AND TRAPS		
				CONCH	EEL	LOBSTER, INSHORE
NUMBER						
FISHERMEN:						
ON VESSELS, FULL-TIME.....	-	34	-	-	-	-
ON BOATS AND SHORE:						
FULL-TIME.....	9	25	1	12	4	125
PART-TIME.....	1	1	-	-	16	428
TOTAL.....	10	60	1	12	20	553
VESSLS, MOTOR.....	-	13	-	-	-	-
GROSS TONNAGE.....	-	350	-	-	-	-
BOATS, MOTOR.....	6	19	1	12	18	398
GEAR.....	6	32	5	565	425	18,796
ITEM	GILL NETS, DRIFT		LINES, HAND	HARPOONS, SWORDFISH		
	SHAD	OTHER				
NUMBER						
FISHERMEN:						
ON VESSELS, PART-TIME.....	-	-	-	4		
ON BOATS AND SHORE:						
FULL-TIME.....	38	58	8	-		
PART-TIME.....	71	7	101	-		
TOTAL.....	109	65	109	4		
VESSLS, MOTOR.....	-	-	-	1		
GROSS TONNAGE.....	-	-	-	46		
BOATS, MOTOR.....	59	62	109	1		
GEAR.....	59	62	109	1		
ITEM	DREDGES			TOTAL, EXCLUSIVE OF DUPLICATION		
	CLAM	OYSTER, COMMON	SCALLOP, SEA			
NUMBER						
FISHERMEN:						
ON VESSELS:						
FULL-TIME.....	5	14	18	71		
PART-TIME.....	-	-	-	4		
ON BOATS AND SHORE:						
FULL-TIME.....	-	-	-	171		
PART-TIME.....	-	-	-	612		
TOTAL.....	5	14	18	858		
VESSLS, MOTOR.....	2	5	2	22		
GROSS TONNAGE.....	50	207	232	839		
BOATS, MOTOR.....	-	-	-	574		
GEAR.....	2	9	3	-		

NEW ENGLAND FISHERIES

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CONNECTICUT - LANDINGS OF CATCH BY GEAR, 1977

SPECIES	HAUL SEINES, COMMON		OTTER TRAWLS		FYKE AND HOOP NETS, FISH	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ALEWIVES.....	61,200	4,904	-	-	100	10
ANGLERFISH.....	-	-	68,100	21,108	-	-
BLUEFISH.....	-	-	5,400	906	-	-
BUTTERFISH.....	-	-	28,100	7,455	-	-
CARP.....	300	36	-	-	-	-
CATFISH AND BULLHEADS.....	600	120	-	-	100	20
COD.....	-	-	49,400	12,567	-	-
EELS, COMMON.....	100	47	-	-	200	100
FLOUNDERS:						
BLACKBACK.....	400	110	587,600	128,895	400	120
FLUKE.....	-	-	62,700	33,854	100	60
GRAY SOLE.....	-	-	2,200	612	-	-
SAND.....	1,200	240	31,700	6,285	-	-
YELLOWTAIL.....	-	-	384,300	159,070	-	-
HAKE:						
RED.....	-	-	1,900	89	-	-
WHITE.....	-	-	2,500	348	-	-
MACKEREL, ATLANTIC.....	-	-	1,100	122	-	-
OCEAN POUT.....	-	-	47,000	3,550	-	-
POLLOCK.....	-	-	2,100	681	-	-
SCUP OR PORGY.....	3,000	600	208,900	37,337	-	-
SEA BASS, BLACK.....	-	-	2,000	1,277	-	-
SEA ROBIN.....	800	72	500	50	-	-
SEA TROUT OR WEAKFISH, GRAY.....	-	-	6,500	1,438	-	-
SHARKS:						
GRAYFISH.....	-	-	1,500	151	-	-
UNCLASSIFIED.....	200	30	800	120	-	-
SKATES.....	1,100	212	6,000	560	-	-
STRIPED BASS.....	-	-	1,700	1,570	-	-
TAUTOG.....	-	-	4,100	408	-	-
WHITE PERCH.....	900	405	-	-	3,600	1,620
WHITING.....	-	-	97,900	12,583	-	-
UNCLASSIFIED.....	2,200	159	998,500	50,115	300	15
SQUID.....	-	-	35,000	15,258	-	-
TOTAL.....	72,000	6,935	2,637,500	496,409	4,800	1,945

SPECIES	POTS AND TRAPS					
	CONCH		EEL		LOBSTER, INSHORE	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
EELS, COMMON.....	-	-	16,000	8,113	-	-
LOBSTERS, AMERICAN.....	-	-	-	-	638,400	1,337,286
CONCHS.....	52,700	29,895	-	-	-	-
TOTAL.....	52,700	29,895	16,000	8,113	638,400	1,337,286

SPECIES	GILL NETS, DRIFT				LINES, HAND	
	SHAD		OTHER			
	POUNDS	DOLLARS	POUNDS	DOLLARS		
ANGLERFISH.....	-	-	-	-	200	64
BLUEFISH.....	-	-	1,500	330	5,600	1,501
BUTTERFISH.....	-	-	100	30	-	-
CARP.....	-	-	300	36	-	-
CATFISH AND BULLHEADS.....	3,100	620	500	100	-	-
EELS, COMMON.....	-	-	-	-	200	54
FLOUNDERS:						
BLACKBACK.....	-	-	-	-	4,200	1,018
FLUKE.....	-	-	-	-	700	458
HERRING, SEA.....	-	-	400	49	200	20
MACKEREL, ATLANTIC.....	-	-	30,000	12,220	1,700	660
SCUP OR PORGY.....	-	-	-	-	1,000	235
SEA BASS, BLACK.....	-	-	-	-	200	110
SEA ROBIN.....	-	-	100	10	600	70
SEA TROUT OR WEAKFISH, GRAY.....	-	-	700	182	100	30
SHAD.....	332,400	149,580	-	-	-	-
SHARKS:						
GRAYFISH.....	-	-	600	90	-	-
UNCLASSIFIED.....	-	-	1,000	141	-	-
SKATES.....	-	-	-	-	900	65
STRIPED BASS.....	-	-	-	-	54,000	39,812
TAUTOG.....	-	-	100	15	1,900	285
WHITE PERCH.....	-	-	6,600	2,815	1,500	675
UNCLASSIFIED.....	-	-	158,800	8,017	3,500	259
TOTAL.....	335,500	150,200	200,700	24,035	76,500	45,316

(CONTINUED ON NEXT PAGE)

NEW ENGLAND FISHERIES

CONNECTICUT - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	HARPOONS, SWORDFISH		DREDGES					
			CLAM		OYSTER, COMMON		SCALLOP, SEA	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
SWORDFISH	4 100	5 415						
CLAMS, HARD, PRIVATE			180 000	150 000				
OYSTERS, PRIVATE								
SPRING					391 800	916 125		
FALL					480 100	1 075 451		
SCALLOPS, SEA							93 800	180 029
TOTAL	4 100	5 415	180 000	150 000	852 000	1 991 576	93 800	180 029

SECTION 3

MIDDLE ATLANTIC FISHERIES

Landings by U.S. commercial fishermen in the Middle Atlantic States of New York, New Jersey, and Delaware were 214.1 million pounds valued at a record \$70.0 million in 1977—down 20 percent in quantity and up 2 percent in value compared with 1976.

Fishermen and Vessels. In 1977, 17,331 full-time and part-time commercial fishermen operated 573 vessels of 5 net tons or more, 11,261 motorboats, and 61 boats not powered by motors. Compared with 1976, this was a decrease of 355 fishermen, 7 vessels, 1,138 motorboats, and an increase of 4 other boats. New York led with 13,542 fishermen, 9,533 motorboats, and 37 other boats. New Jersey had the largest number of vessels with 379.

Clams. Landings of hard clams yielded 9.6 million pounds of meats valued at \$19.6 million—a decrease of 9 percent in volume and 1 percent in value compared with 1976. New York accounted for 89 percent of the area total with landings of 8.5 million pounds valued at \$18.1 million—decreases of 6 percent in volume and less than 1 percent in value compared with 1976. Great South Bay in New York produced 93 percent of that State's hard clam landings. New Jersey landings yielded 1.1 million pounds valued at \$1.4 million—a decrease of 28 percent in volume and 14 percent in value compared with 1976. Great Bay in New Jersey produced 51 percent of that State's landings and 24 percent came from Little Egg Harbor Bay. All of the Delaware landings were from Indian River Bay.

Landings of surf clams yielded 26.6 million pounds of meats valued at \$12.9 million—a 5 percent decline in volume, but an increase of 8 percent in value compared with 1976. Fishermen received \$8.25 cents per bushel for surf clams in 1977 compared with \$7.28 cents per bushel in 1976. New York landings were 3.4 million pounds, down only 1 percent from the previous year. New Jersey landings were 23.1 million pounds valued at \$11.8 million—a 5 percent decline in volume, but a 9 percent increase in value compared with 1976. Delaware had no landings in 1977. The average exvessel price received by fishermen in 1977 was 49 cents per pound compared with 43 cents in 1976. The Surf Clam Fishery Management Plan was implemented on November 17, 1977, limiting entry into the fishery, restricting working to four days a week, Monday to Thursday, and placing a quota of 170,000 bushels of clams for the remainder of the year. This affected only those clams taken outside the 3-mile limit. All clams shoreward of 3 miles were managed by the individual Sta' s.

Landings of soft clams yielded 119,000 pounds of meats valued at \$134,000—a decrease of 39 percent in volume and 43 percent in value compared with 1976. New Jersey accounted for 74 percent of the area total with landings of 88,000 pounds. Most of these landings were harvested from the Navesink and Shrewsbury Rivers. Long Island Sound produced 62 percent of the soft clams landed in New York; with the remainder from Gardiners, Peconic, Mariches, and Shinnecock Bays.

Other species: Landings of gray sea trout were 5.3 million pounds valued at \$984,000—down 28 percent in volume and up 7 percent in value compared with 1976. New Jersey vessels made up 61 percent of the total area catch. Atlantic mackerel landings of 1.1 million pounds valued at \$144,000 decreased 47 percent in quantity and 25 percent in value. New York fishermen landed 51 percent of the Atlantic mackerel catch in the area. Landings of bluefish were 2.4 million pounds valued at \$379,000—an increase of 28 percent in volume and 52 percent in value compared with 1976. New Jersey landings were 58 percent of the total Middle Atlantic catch. Landings of black sea bass were 1.9 million pounds valued at \$673,000—up 3 percent in volume and 1 percent in value compared with 1976. This was the highest since 1965 and 70 percent above the 1972-76 average. Landings of tilefish have increased each year as more vessels enter this longline, winter fishery. Tilefish landings were 1.6 million pounds valued at \$746,000 in 1976 compared with 3.6 million pounds (up 122 percent) valued at \$1.7 million (up 129 percent) in 1977. New Jersey had 81 percent of the tilefish landings. There were 1.1 million pounds of butterfish valued at \$320,000 landed in the Middle Atlantic States with a decline of 16 percent in volume and 10 percent in value compared with 1976. New York landings of 650,000 pounds were 60 percent of the total production. Landings of striped bass were 948,000 pounds valued at \$759,000—down 11 percent in quantity and an increase of 12 percent in value over 1976. New York led the catch with 81 percent of the total landings.

MIDDLE ATLANTIC FISHERIES

Flounders. Landings of all species of flounder were 10.5 million pounds valued at \$5.3 million—up only 1 percent in volume but 25 percent in value compared with 1976. Fluke or summer flounder accounted for 83 percent of the total flounder landings. Fluke landings were 8.7 million pounds valued at \$4.8 million—a decrease of 2 percent in volume and an increase of 24 percent in value over 1976. Landings of yellowtail flounder were 533,000 pounds—down 11 percent compared with 1976. From 1967 to 1973 yellowtail was the most prominent species of flounder landed in the Middle Atlantic region (averaging 6.5 million pounds).

American lobster. Landings were 1.3 million pounds valued at \$2.8 million—an increase of 6 percent in quantity and 7 percent in value compared with 1976. New Jersey landings of 797,000 pounds increased 23 percent, but were 26 percent below the previous 5-year average. Pot fishermen took 83 percent of the New Jersey landings (50 percent from offshore waters). New York fishermen landed 531,000 pounds or 39 percent of the total landings.

Oysters. Total landings yielded 2.4 million pounds of meats valued at \$4.3 million—decreases of 32 percent in quantity and 34 percent in value compared with 1976. New York landings of 1.1 million pounds of meats declined 44 percent in volume but the fishermen took 44 percent of the total area landings. Landings of 1.2 million pounds in New Jersey decreased 13 percent, and Delaware landings with 128,000 pounds decreased 51 percent compared with 1976. New Jersey fishermen accounted for 51 percent of the total area landings.

Scallops. Landings of sea scallops were 3.6 million pounds of meats valued at \$5.7 million—a decrease of 1 percent in quantity and 5 percent in value compared with 1976. New Jersey landings of 3.0 million pounds were 83 percent of the total area landings. The greater portion was taken by dredges (86 percent) and the remainder by trawlers. About 81 percent of the New York landings was by dredge and landed in New York City.

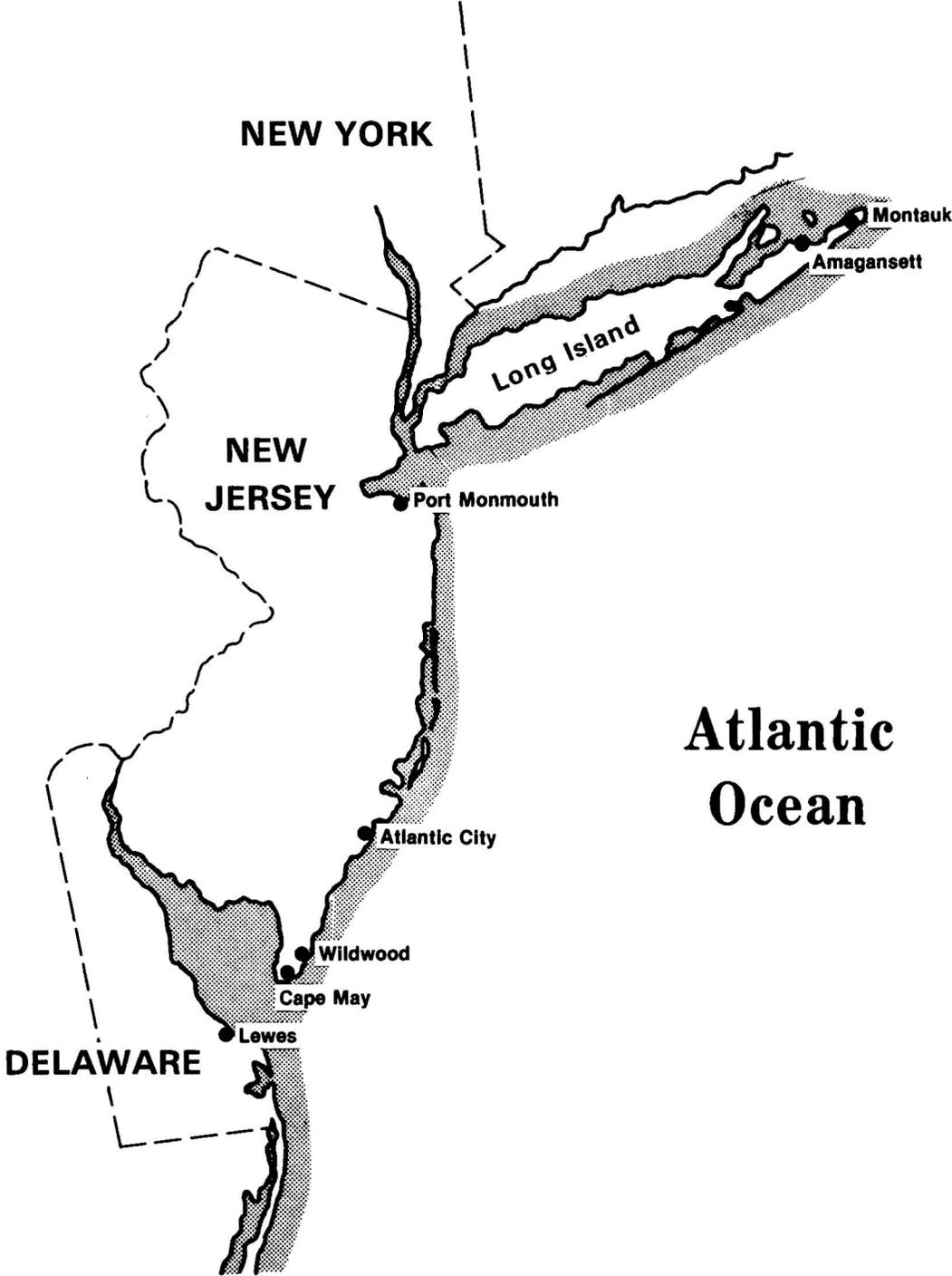
Landings of bay scallops yielded 199,000 pounds of meats valued at \$489,000—a decrease of 55 percent in quantity and 40 percent in value compared with 1976. Bay scallops are landed only in New York. The ex-vessel prices reflected the scarcity of bay scallops this year, averaging about \$2.46 per pound compared with \$1.86 per pound in 1976.

Scup or porgy. Landings totaled 9.1 million pounds valued at \$2.0 million—a decrease of about 1 percent in quantity, but an increase of 1 percent in value compared with 1976. New Jersey fishermen accounted for 63 percent of the total landings. New Jersey landings (5.8 million pounds) decreased 14 percent compared with 1976 and New York landings (3.3 million pounds) increased 36 percent.

Whiting. Landings of 12.2 million pounds valued at \$1.4 million at dockside increased 16 percent in quantity and 35 percent in value compared with 1976. Landings in New Jersey were 10.1 million pounds—83 percent of the total catch. Point Pleasant was the leading port in New Jersey with 59 percent of the landings; Belford had 27 percent; and Cape May the remainder. The leading ports in New York were Montauk, 52 percent; Brooklyn, 41 percent; and the remainder at Freeport.

Other information. Additional data may be found in the monthly and annual landings bulletins for New York and New Jersey published in the Current Fishery Statistics Series by the National Fishery Statistics Program in cooperation with the respective States.

Acknowledgements. The following organizations helped collect the data appearing in this section: New York Department of Environmental Conservation, Division of Marine and Coastal Resources; New Jersey Department of Environmental Protection, Division of Fish, Game, and Shellfisheries; and Delaware Department of Natural Resources and Environmental Control, Division of Fish and Game.



MIDDLE ATLANTIC STATES

MIDDLE ATLANTIC FISHERIES

SECTIONAL SUMMARIES
SUMMARY OF LANDINGS, 1977

STATE	FISH		SHELLFISH ET AL.		TOTAL	
	MILLION POUNDS	MILLION DOLLARS	MILLION POUNDS	MILLION DOLLARS	MILLION POUNDS	MILLION DOLLARS
NEW YORK.....	18	6	15	25	33	31
NEW JERSEY.....	134	13	45	26	179	38
DELAWARE.....	1	(1)	2	1	2	1
TOTAL.....	152	19	62	51	214	70

(1) LESS THAN \$500,000.

NOTE:—TABLE MAY NOT ADD BECAUSE OF ROUNDING.

SUMMARY OF OPERATING UNITS, 1977

ITEM	NEW YORK	NEW JERSEY	DELAWARE	TOTAL, EXCLUSIVE OF DUPLICATION
				NUMBER
FISHERMEN:				
ON VESSELS:				
FULL-TIME.....	543	1,659	71	2,178
PART-TIME.....	10	3	9	22
ON BOATS AND SHORE:				
FULL-TIME.....	2,473	717	63	3,253
PART-TIME.....	10,516	1,032	330	11,878
TOTAL.....	13,542	3,411	473	17,331
VESSELS, MOTOR.....				
GROSS TONNAGE.....	188	379	27	573
BOATS:	8,077	29,245	673	36,337
MOTOR.....	9,533	1,479	249	11,261
OTHER.....	37	24	-	61
GEAR:				
HAUL SEINES, COMMON.....				
PURSE SEINES:	22	7	-	29
TUNA.....	-	1	-	1
OTHER.....	-	11	-	11
OTTER TRAWLS:				
FISH.....	130	145	-	259
LOBSTER.....	2	12	-	14
SCALLOP.....	5	30	-	35
MIDWATER TRAWLS.....				
POUND NETS, FISH.....	-	8	-	8
FYKE AND HOOP NETS:	109	11	-	120
FISH.....	57	33	53	143
TURTLE.....	-	75	26	101
POTS AND TRAPS:				
CONCH.....	850	-	500	1,350
CRAB:				
BLUE.....	325	5,181	6,465	11,971
OTHER.....	-	-	200	200
EEL.....	1,705	2,830	570	5,105
FISH.....	810	8,600	1,200	10,610
LOBSTER:				
INSHORE.....	58,378	21,600	40	80,018
OFFSHORE.....	5,770	11,830	600	18,200
TURTLE.....	-	36	-	36
GILL NETS:				
ANCHOR, SET, OR STAKE...	238	124	59	421
DRIIFT:				
SHAD.....	30	-	14	44
OTHER.....	-	20	23	43
RUNAROUND.....	-	90	-	90
LINES:				
HAND.....	4,375	108	50	4,533
TROLL.....	-	46	-	46
LONG OR SET WITH HOOKS	137	26	-	163
DIP NETS, COMMON.....	238	-	-	238
HARPOONS:				
SWORDFISH.....	3	-	-	3
OTHER.....	10	-	-	10
SPEARS.....	35	-	-	35
DREDGES:				
CLAM.....	30	84	-	114
CONCH.....	16	-	-	16
CRAB.....	-	62	35	97
MUSSEL, SEA.....	4	-	-	4
OYSTER, COMMON.....	19	42	12	73
SCALLOP:				
BAY.....	950	-	-	950
SEA.....	16	81	-	90
TONGS:				
OYSTER.....	2	29	-	31
OTHER.....	823	388	73	1,284
RAKES.....	7,842	860	18	8,720
HOES.....	-	30	-	30

MIDDLE ATLANTIC FISHERIES

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LANDINGS BY STATES, 1977

SPECIES	NEW YORK		NEW JERSEY		DELAWARE		TOTAL	
	THOUSAND POUNDS	THOUSAND DOLLARS						
FISH								
ALEWIVES.....	6	1	11	1	(1)	(1)	17	2
ANGLERFISH.....	78	19	75	11	-	-	153	30
BLUEFISH.....	986	195	1,397	181	32	3	2,415	379
BONITO.....	51	14	3	1	-	-	54	15
BUTTERFISH.....	650	215	436	105	(1)	(1)	1,086	320
CARP.....	22	4	35	3	28	3	85	10
CATFISH AND BULLHEADS.....	11	4	4	1	11	2	26	7
COD.....	583	224	46	19	-	-	629	243
CRAPPIE.....	1	1	-	-	-	-	1	1
CROAKER.....	-	-	1,479	123	9	2	1,488	125
CUNNER.....	1	(1)	-	-	-	-	1	(1)
CUSK.....	1	(1)	-	-	-	-	1	(1)
DOLPHINFISH.....	(1)	(1)	-	-	-	-	(1)	(1)
DRUM:								
BLACK.....	-	-	11	2	-	-	11	2
RED.....	-	-	-	-	(1)	(1)	(1)	(1)
EELS:								
COMMON.....	94	42	125	47	96	49	315	138
CONGER.....	15	2	10	1	-	-	25	3
FLOUNDERS:								
BLACKBACK.....	1,020	276	129	25	-	-	1,149	301
DAB.....	10	2	-	-	-	-	10	2
FLUKE.....	2,147	1,306	6,566	3,445	4	2	8,717	4,753
GRAY SOLE.....	12	4	16	4	-	-	28	8
LEMON SOLE.....	1	(1)	-	-	-	-	1	(1)
SAND.....	-	-	1	(1)	-	-	1	(1)
YELLOWTAIL.....	496	173	37	10	-	-	533	183
UNCLASSIFIED.....	26	4	-	-	6	1	32	5
TOTAL FLOUNDERS.....	3,712	1,765	6,749	3,484	10	3	10,471	5,252
GOLDFISH.....	1	(1)	-	-	-	-	1	(1)
HADDOCK.....	6	3	(1)	(1)	-	-	6	3
HAKE:								
RED.....	222	30	1,117	109	1	(1)	1,340	139
WHITE.....	3	1	15	3	-	-	18	4
HERRING, SEA.....	17	2	73	6	-	-	90	8
KING WHITING OR "KINGFISH".....	1	(1)	-	-	-	-	1	(1)
LAUNCE.....	31	8	-	-	-	-	31	8
MACKEREL:								
ATLANTIC.....	560	95	547	49	(1)	(1)	1,107	144
KING.....	-	-	1	1	-	-	1	1
SPANISH.....	-	-	(1)	(1)	-	-	(1)	(1)
MULLET, BLACK (LISA).....	1	(1)	-	-	-	-	1	(1)
OCEAN PERCH, ATLANTIC.....	-	-	3	(1)	-	-	3	(1)
OCEAN POUT.....	1	(1)	-	-	-	-	1	(1)
POLLOCK.....	19	3	7	1	-	-	26	4
SCUP OR PURGY.....	3,347	924	5,772	1,079	-	-	9,119	2,003
SEA BASS, BLACK.....	232	113	1,487	507	220	53	1,939	673
SEA ROBIN.....	61	7	3	(1)	-	-	64	7
SEA TROUT OR WEAKFISH, GRAY.....	1,708	422	3,221	491	332	71	5,261	984
SHAD.....	122	41	198	54	74	15	394	110
SHARKS:								
GRAYFISH.....	172	27	10	1	(1)	(1)	182	28
UNCLASSIFIED.....	9	3	2	(1)	-	-	11	3
SILVERSIDES.....	32	12	-	-	-	-	32	12
SKATES.....	43	8	1	(1)	-	-	44	8
SMELT.....	6	3	-	-	-	-	6	3
SPOT.....	6	1	20	3	11	3	37	7
STRIPED BASS.....	766	637	125	81	57	41	948	759
STURGEON, COMMON.....	18	7	12	3	-	-	30	10
SUCKERS.....	1	(1)	-	-	-	-	1	(1)
SUNFISH.....	6	1	-	-	-	-	6	1
SWELLFISH.....	8	6	-	-	-	-	8	6
SWORDFISH.....	27	37	189	359	-	-	216	396
TAUTOG.....	97	11	45	5	(1)	(1)	142	16
TILEFISH.....	691	274	2,933	1,431	-	-	3,624	1,705
TUNA:								
BLUEFIN.....	41	27	58	23	-	-	99	50
LITTLE.....	18	4	1	(1)	-	-	19	4
SKIPJACK.....	-	-	42	10	-	-	42	10
YELLOWFIN.....	-	-	3	1	-	-	3	1
TOTAL TUNA.....	59	31	104	34	-	-	163	65
WHITE PERCH.....	99	25	50	12	28	9	177	46
WHITING.....	2,105	358	10,054	1,040	9	(1)	12,168	1,398
YELLOW PERCH.....	3	1	-	-	(1)	(1)	3	1
YELLOW PIKE.....	2	(1)	-	-	-	-	2	(1)
UNCLASSIFIED.....	870	43	97,528	3,449	28	1	98,426	3,493
TOTAL FISH.....	17,563	5,620	133,898	12,697	946	255	152,407	18,572

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

MIDDLE ATLANTIC FISHERIES

LANDINGS BY STATES, 1977 - Continued

SPECIES	NEW YORK		NEW JERSEY		DELAWARE		TOTAL	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
SHELLFISH ET AL								
CRABS:								
BLUE:								
HARD.....	13	6	391	147	861	302	1,265	455
SOFT AND PEELER.....	-	-	5	2	18	22	23	24
JONAH.....	286	83	-	-	2	1	288	84
RED.....	-	-	-	-	12	6	12	6
ROCK.....	2	(1)	180	22	-	-	182	22
TOTAL CRABS.....	301	89	576	171	893	331	1,770	591
HORSESHOE CRABS.....	-	-	2	(1)	400	4	402	4
LOBSTERS, AMERICAN.....	531	1,195	797	1,569	18	39	1,346	2,803
CLAMS:								
HARD:								
PUBLIC.....	7,000	14,859	1,068	1,454	38	57	8,106	16,370
PRIVATE.....	1,530	3,204	-	-	-	-	1,530	3,204
OCEAN QUAHOG.....	-	-	14,117	4,243	-	-	14,117	4,243
RAZOR.....	4	1	-	-	-	-	4	1
SOFT, PUBLIC.....	31	46	88	88	-	-	119	134
SURF.....	3,425	1,108	23,130	11,784	-	-	26,555	12,892
TOTAL CLAMS.....	11,990	19,218	38,403	17,569	38	57	50,431	36,844
CONCHS.....	86	39	53	24	31	5	170	68
MUSSELS, SEA.....	182	89	-	-	-	-	182	89
OYSTERS, MARKET:								
PUBLIC:								
SPRING.....	(1)	(1)	1	1	-	-	1	1
FALL.....	(1)	(1)	(1)	1	-	-	(1)	1
PRIVATE:								
SPRING.....	519	1,297	209	208	-	-	728	1,505
FALL.....	540	1,381	1,015	1,207	128	196	1,683	2,784
TOTAL OYSTERS.....	1,059	2,678	1,225	1,417	128	196	2,412	4,291
SCALLOPS:								
BAY.....	199	489	-	-	-	-	199	489
SEA.....	614	994	2,982	4,753	-	-	3,596	5,747
TOTAL SCALLOPS.....	813	1,483	2,982	4,753	-	-	3,795	6,236
SQUID.....	484	223	685	275	-	-	1,169	498
TURTLES:								
BABY.....	-	-	2	(1)	-	-	2	(1)
SNAPPER.....	-	-	21	5	3	1	24	6
UNCLASSIFIED.....	-	-	(1)	(1)	-	-	(1)	(1)
TOTAL SHELLFISH ET AL.....	15,446	25,014	44,746	25,783	1,511	633	61,703	51,430
GRAND TOTAL.....	33,009	30,634	178,644	38,480	2,457	888	214,110	70,002

(1) LESS THAN 500 POUNDS OR \$500.

NOTE.—LANDINGS ARE SHOWN IN ROUND (LIVE) WEIGHT EXCEPT FOR SHELL MOLLUSKS. CLAMS, CONCHS, MUSSELS, AND OYSTERS ARE REPORTED IN WEIGHT OF TOTAL MEATS; SCALLOPS ARE REPORTED IN WEIGHT OF EDIBLE MEATS.

MIDDLE ATLANTIC FISHERIES

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LANDINGS OF CERTAIN SHELLFISH, 1977

SPECIES	NEW YORK		NEW JERSEY	
	U.S. STANDARD BUSHELS	DOLLARS	U.S. STANDARD BUSHELS	DOLLARS
CLAMS:				
HARD:				
PUBLIC	583,325	14,858,954	106,790	1,454,114
PRIVATE	127,517	3,203,944	-	-
OCEAN QUAHOG	-	-	1,411,650	4,243,489
RAZOR	256	1,468	-	-
SOFT, PUBLIC	1,944	45,684	7,325	87,946
SURF	201,471	1,108,029	1,360,571	11,784,390
CONCHS	5,767	38,614	2,640	23,688
MUSSELS, SEA	18,150	88,866	-	-
OYSTERS, MARKET:				
PUBLIC:				
SPRING	13	225	86	572
FALL	27	510	43	682
PRIVATE:				
SPRING	69,133	1,297,471	29,929	207,626
FALL	72,173	1,381,195	126,825	1,206,830
SCALLOPS:				
BAY	33,166	488,876	-	-
SEA	102,300	993,429	497,000	4,753,405

SPECIES	DELAWARE		TOTAL	
	U.S. STANDARD BUSHELS	DOLLARS	U.S. STANDARD BUSHELS	DOLLARS
CLAMS:				
HARD:				
PUBLIC	4,738	57,131	694,853	16,370,199
PRIVATE	-	-	127,517	3,203,944
OCEAN QUAHOG	-	-	1,411,650	4,243,489
RAZOR	-	-	256	1,468
SOFT, PUBLIC	-	-	9,269	133,630
SURF	-	-	1,562,042	12,892,419
CONCHS	1,530	4,594	9,937	66,896
MUSSELS, SEA	-	-	18,150	88,866
OYSTERS, MARKET:				
PUBLIC:				
SPRING	-	-	99	797
FALL	-	-	70	1,192
PRIVATE:				
SPRING	-	-	99,062	1,505,097
FALL	19,615	196,190	218,613	2,784,215
SCALLOPS:				
BAY	-	-	33,166	488,876
SEA	-	-	599,300	5,748,834

NOTE:—THE CAPACITY OF A U.S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

AVERAGE YIELD OF CERTAIN SHELLFISH, 1977

SPECIES	NEW YORK	NEW JERSEY	DELAWARE
	POUNDS OF MEATS PER U.S. STANDARD BUSHEL		
CLAMS:			
HARD:			
PUBLIC	12.00	10.00	8.00
PRIVATE	12.00	-	-
OCEAN QUAHOG	-	10.00	-
RAZOR	16.00	-	-
SOFT, PUBLIC	16.00	12.00	-
SURF	17.00	17.00	-
CONCHS	15.00	20.00	20.00
MUSSELS, SEA	10.00	-	-
OYSTERS, MARKET:			
PUBLIC:			
SPRING	7.50	7.00	-
FALL	7.50	7.00	-
PRIVATE:			
SPRING	7.50	7.00	-
FALL	7.50	8.00	6.50
SCALLOPS:			
BAY	6.00	-	-
SEA	6.00	6.00	-

NOTE:—THE CAPACITY OF A U.S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

MIDDLE ATLANTIC FISHERIES

NEW YORK
OPERATING UNITS BY GEAR, 1977

ITEM	HAUL SEINES, COMMON	OTTER TRAWLS			POUND NETS, FISH	FYKE AND HOOP NETS, FISH
		FISH	LOBSTER	SCALLOP		
NUMBER						
FISHERMEN:						
ON VESSELS:						
FULL-TIME	3	259	8	16	18	-
PART-TIME	-	10	-	-	-	-
ON BOATS AND SHORE:						
FULL-TIME	54	42	-	-	36	-
PART-TIME	7	-	-	-	9	26
TOTAL	64	311	8	16	63	26
VESSELS, MOTOR	1	109	2	5	6	-
GROSS TONNAGE	11	4,513	197	359	92	-
BOATS:						
MOTOR	21	21	-	-	18	26
OTHER	-	-	-	-	37	-
GEAR	22	130	2	5	109	57

ITEM	POTS AND TRAPS					
	CONCH	CRAB, BLUE	EEL	FISH	LOBSTER	
					INSHORE	OFFSHORE
NUMBER						
FISHERMEN:						
ON VESSELS, FULL-TIME	-	-	-	-	37	28
ON BOATS AND SHORE:						
FULL-TIME	17	-	23	22	250	-
PART-TIME	-	4	20	-	291	-
TOTAL	17	4	43	22	578	28
VESSELS, MOTOR	-	-	-	-	20	10
GROSS TONNAGE	-	-	-	-	293	429
BOATS, MOTOR	17	4	43	11	400	-
GEAR	850	325	1,705	810	58,378	5,770

ITEM	GILL NETS		LINES		DIP NETS, COMMON	HARPOONS SWORDFISH
	ANCHOR, SET, OR STAKE	DRIFT, SHAD	HAND	LONG OR SET WITH HOOKS		
NUMBER						
FISHERMEN:						
ON VESSELS, FULL-TIME	-	-	-	13	-	8
ON BOATS AND SHORE:						
FULL-TIME	30	-	175	20	-	-
PART-TIME	35	27	4,200	6	238	-
TOTAL	65	27	4,375	39	238	8
VESSELS, MOTOR	-	-	-	3	-	3
GROSS TONNAGE	-	-	-	179	-	137
BOATS, MOTOR	59	27	1,086	12	119	-
GEAR	238	30	4,375	137	238	3

ITEM	HARPOONS - CONTD	SPEARS	DREDGES			
			CLAM	CONCH	MUSSEL, SEA	OYSTER, COMMON
NUMBER						
FISHERMEN:						
ON VESSELS, FULL-TIME	-	-	77	-	7	57
ON BOATS AND SHORE:						
FULL-TIME	-	5	-	16	-	-
PART-TIME	50	30	-	-	-	-
TOTAL	50	35	77	16	7	57
VESSELS, MOTOR	-	-	30	-	2	10
GROSS TONNAGE	-	-	1,127	-	94	922
BOATS, MOTOR	10	35	-	8	-	-
GEAR	10	35	30	16	4	19

(CONTINUED ON NEXT PAGE)

MIDDLE ATLANTIC FISHERIES

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NEW YORK - OPERATING UNITS BY GEAR, 1977 - Continued

ITEM	DREDGES - CONTINUED		TONGS		RAKES	TOTAL, EXCLUSIVE OF DUPLICATION
	SCALLOP		OYSTER	OTHER		
	BAY	SEA				
	NUMBER					
FISHERMEN:						
ON VESSELS:						
FULL-TIME	-	74	-	-	-	543
PART-TIME	-	-	-	-	-	10
ON BOATS AND SHORE:						
FULL-TIME	450	-	2	523	1,570	2,473
PART-TIME	500	-	-	300	6,272	10,516
TOTAL	950	74	2	823	7,842	13,542
VESSELS, MOTOR	-	8	-	-	-	188
GROSS TONNAGE	-	982	-	-	-	8,077
BOATS:						
MOTOR	475	-	2	823	7,842	9,533
OTHER	-	-	-	-	-	37
GEAR	950	16	2	823	7,842	-

NEW YORK - LANDINGS OF CATCH BY GEAR, 1977

SPECIES	HAUL SEINES, COMMON		OTTER TRAWLS					
			FISH		LOBSTER			
			POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ANGLERFISH	-	-	71,700	17,627	-	-	-	-
BLUEFISH	301,500	59,495	120,700	23,344	-	-	-	-
BONITO	-	-	500	152	-	-	-	-
BUTTERFISH	-	-	498,700	167,020	-	-	-	-
CARP	2,800	547	-	-	-	-	-	-
CATFISH AND BULLHEADS	6,200	2,142	-	-	-	-	-	-
COD	-	-	481,500	184,506	-	-	-	-
CRAPPIE	800	744	-	-	-	-	-	-
CUSK	-	-	1,400	181	-	-	-	-
EELS, CONGER	-	-	4,500	663	-	-	-	-
FLOUNDERS:								
BLACKBACK	-	-	969,300	261,220	-	-	-	-
DAB	-	-	9,900	2,274	-	-	-	-
FLUKE	-	-	2,039,300	1,236,600	-	-	-	-
GRAY SOLE	-	-	11,500	3,978	-	-	-	-
LEMON SOLE	-	-	600	303	-	-	-	-
YELLOWTAIL	-	-	495,600	172,515	-	-	-	-
UNCLASSIFIED	-	-	25,700	4,278	-	-	-	-
GOLDFISH	500	250	-	-	-	-	-	-
HADDOCK	-	-	6,500	3,173	-	-	-	-
HAKE:								
RED	-	-	209,600	28,396	-	-	-	-
WHITE	-	-	3,100	755	-	-	-	-
HERRING, SEA	-	-	1,600	242	-	-	-	-
KING WHITING OR "KINGFISH"	-	-	200	50	-	-	-	-
LAUNCE	31,400	8,009	-	-	-	-	-	-
MACKEREL, ATLANTIC	94,500	14,663	43,400	8,965	-	-	-	-
OCEAN POUT	-	-	1,500	270	-	-	-	-
POLLOCK	-	-	6,800	1,214	-	-	-	-
SCUP OR PORGY	126,900	38,874	2,258,500	612,685	-	-	-	-
SEA BASS, BLACK	2,400	1,320	67,500	31,907	-	-	-	-
SEA ROBIN	3,100	433	3,900	510	-	-	-	-
SEA TROUT OR WEAKFISH, GRAY	329,600	78,450	439,800	117,933	-	-	-	-
SHARKS:								
GRAYFISH	-	-	131,600	20,418	-	-	-	-
UNCLASSIFIED	-	-	1,000	213	-	-	-	-
SILVERSIDES	32,400	12,093	-	-	-	-	-	-
SKATES	-	-	42,200	7,253	-	-	-	-
SPOT	500	106	-	-	-	-	-	-
STRIPED BASS	133,600	110,468	56,800	49,823	-	-	-	-
STURGEON, COMMON	300	77	4,900	1,203	-	-	-	-
SUNFISH	3,100	550	-	-	-	-	-	-
SWELLFISH	-	-	700	577	-	-	-	-
TAUTOG	-	-	8,800	919	-	-	-	-
TILEFISH	-	-	2,500	1,000	-	-	-	-
WHITE PERCH	60,200	14,803	-	-	-	-	-	-
WHITING	-	-	2,070,200	351,988	-	-	-	-
YELLOW PERCH	2,600	702	-	-	-	-	-	-
YELLOW PIKE	1,700	306	-	-	-	-	-	-
UNCLASSIFIED	-	-	19,000	760	-	-	-	-
LOBSTERS, AMERICAN	-	-	-	-	31,600	69,830	-	-
CONCHS	-	-	3,900	1,792	-	-	-	-
SQUID	-	-	441,700	204,168	-	-	-	-
TOTAL	1,134,100	344,032	10,556,600	3,520,875	31,600	69,830	-	-

(CONTINUED ON NEXT PAGE)

MIDDLE ATLANTIC FISHERIES

NEW YORK - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	OTTER TRAWLS - CONTINUED		POUND NETS, FISH		FYKE AND HOOP NETS, FISH	
	SCALLOP		POUNDS	DOLLARS	POUNDS	DOLLARS
	POUNDS	DOLLARS				
ALEWIVES	-	-	-	-	200	32
ANGLERFISH	-	-	5,900	1,424	-	-
BLUEFISH	-	-	119,200	24,436	-	-
BONITO	-	-	4,900	1,328	-	-
BUTTERFISH	-	-	150,600	47,718	-	-
CARP	-	-	-	-	1,400	272
CATFISH AND BULLHEADS	-	-	-	-	1,800	630
COD	-	-	5,100	1,910	-	-
EELS, COMMON	-	-	16,800	7,360	-	-
FLOUNDERS:	-	-	-	-	-	-
BLACKBACK	-	-	30,300	7,802	15,800	5,092
FLUKE	-	-	35,500	19,692	-	-
HAKE, RED	-	-	5,000	651	-	-
HERRING, SEA	-	-	15,300	1,678	-	-
KING WHITING OR "KINGFISH"	-	-	500	72	-	-
MACKEREL ATLANTIC	-	-	327,400	54,428	-	-
MULLET, BLACK (LISA)	-	-	1,100	242	-	-
SCUP OR PORGY	-	-	559,100	145,970	-	-
SEA BASS, BLACK	-	-	12,600	6,761	-	-
SEA ROBIN	-	-	50,500	5,052	-	-
SEA TROUT OR WEAKFISH, GRAY	-	-	478,800	104,790	-	-
SHARKS:	-	-	-	-	-	-
GRAYFISH	-	-	35,500	5,636	-	-
UNCLASSIFIED	-	-	600	197	-	-
SKATES	-	-	1,400	221	-	-
SPOT	-	-	1,000	227	-	-
STRIPED BASS	-	-	85,700	69,406	-	-
STURGEON, COMMON	-	-	1,100	265	-	-
SUNFISH	-	-	-	-	900	162
SWELLFISH	-	-	6,200	5,217	-	-
TAUTOG	-	-	53,600	5,733	-	-
TUNA, LITTLE	-	-	1,200	252	800	208
WHITING	-	-	21,900	3,547	-	-
UNCLASSIFIED	-	-	455,500	22,636	400	20
CRABS, JONAH	-	-	300	155	-	-
SCALLOPS, SEA	116,300	201,204	-	-	-	-
SQUID	-	-	42,500	19,058	-	-
TOTAL	116,300	201,204	2,525,100	563,864	21,300	6,416

SPECIES	POTS AND TRAPS							
	CONCH		CRAB, BLUE		EEL		FISH	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
CONCHS	40,200	18,689	-	-	-	-	-	-
EELS, COMMON	-	-	-	-	41,000	16,544	-	-
SCUP OR PORGY	-	-	-	-	-	-	5,500	1,689
SEA BASS, BLACK	-	-	-	-	-	-	85,800	35,899
TAUTOG	-	-	-	-	-	-	400	38
CRABS, BLUE, HARD	-	-	12,800	5,760	-	-	-	-
TOTAL	40,200	18,689	12,800	5,760	41,000	16,544	91,700	37,626

SPECIES	POTS AND TRAPS - CONTINUED				GILL NETS	
	LOBSTER				ANCHOR, SET, OR STAKE	
	INSHORE		OFFSHORE			
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ANGLERFISH	-	-	-	-	200	30
BLUEFISH	-	-	-	-	112,400	22,504
BONITO	-	-	-	-	10,800	3,016
BUTTERFISH	-	-	-	-	500	178
CARP	-	-	-	-	9,900	1,980
CATFISH AND BULLHEADS	-	-	-	-	2,200	788
FLOUNDERS, FLUKE	-	-	-	-	100	25
HERRING, SEA	-	-	-	-	100	6
KING WHITING OR "KINGFISH"	-	-	-	-	200	55
MACKEREL, ATLANTIC	-	-	-	-	76,900	12,716
SCUP OR PORGY	-	-	-	-	12,800	3,197
SEA BASS, BLACK	13,400	9,986	-	-	1,000	564
SEA ROBIN	-	-	-	-	2,800	332
SEA TROUT OR WEAKFISH, GRAY	-	-	-	-	218,400	50,702

(CONTINUED ON NEXT PAGE)

MIDDLE ATLANTIC FISHERIES

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NEW YORK - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	POTS AND TRAPS - CONTINUED				GILL NETS	
	LOBSTER				ANCHOR, SET, OR STAKE	
	INSHORE		OFFSHORE			
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
SHAD	-	-	-	-	90,800	30,809
SHARKS, GRAYFISH	-	-	-	-	1,600	249
STRIPED BASS	-	-	-	-	80,700	67,430
STURGEON, COMMON	-	-	-	-	11,700	5,038
SWELLFISH	-	-	-	-	600	515
TAUTOG	-	-	-	-	500	60
TUNA, LITTLE	-	-	-	-	3,000	630
WHITE PERCH	-	-	-	-	23,100	6,006
WHITING	-	-	-	-	100	10
UNCLASSIFIED	-	-	-	-	395,400	19,450
CRABS:						
JONAH	132,200	37,410	153,000	45,125	-	-
ROCK	1,600	342	-	-	-	-
LOBSTERS, AMERICAN	328,800	742,466	170,300	382,487	-	-
TOTAL	476,000	790,204	323,300	427,612	1,055,800	226,290

SPECIES	GILL NETS - CONTINUED		LINES			
	DRIFT, SHAD		HAND		LONG OR SET WITH HOOKS	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BLUEFISH	-	-	331,800	65,120	-	-
BONITO	-	-	34,700	9,334	-	-
CARP	5,100	1,012	-	-	-	-
CATFISH AND BULLHEADS	-	-	-	-	900	326
COD	-	-	19,500	8,329	76,600	29,447
CRAPPIE	-	-	-	-	400	277
CUNNER	-	-	800	80	-	-
DOLPHINFISH	-	-	100	20	-	-
EELS, CONGER	-	-	-	-	10,500	1,304
FLOUNDERS:						
BLACKBACK	-	-	3,700	1,120	-	-
FLUKE	-	-	68,700	48,002	-	-
HAKE, RED	-	-	-	7,100	-	-
KING WHITING OR "KINGFISH"	-	-	200	48	-	-
MACKEREL, ATLANTIC	-	-	18,300	3,945	-	-
POLLOCK	-	-	12,200	1,945	-	-
SCUP OR PORGY	-	-	384,000	121,538	-	-
SEA BASS, BLACK	-	-	49,100	26,866	-	-
SEA ROBIN	-	-	500	60	-	-
SEA TROUT OR WEAKFISH, GRAY	-	-	241,600	69,750	-	-
SHAD	30,800	10,450	-	-	-	-
SHARKS:						
GRAYFISH	-	-	-	-	3,400	515
UNCLASSIFIED	-	-	7,400	2,370	-	-
SPOT	-	-	4,100	934	-	-
STRIPED BASS	4,500	3,735	404,800	336,530	-	-
STURGEON, COMMON	400	156	-	-	-	-
SUCKERS	-	-	-	-	300	105
SUNFISH	500	90	-	-	-	-
TAUTOG	-	-	33,400	3,715	-	-
TILEFISH	-	-	2,500	1,000	686,400	272,357
TUNA:						
BLUEFIN	-	-	39,400	25,668	-	-
LITTLE	-	-	13,500	2,944	-	-
WHITE PERCH	15,100	3,920	-	-	-	-
WHITING	-	-	13,100	2,031	-	-
TOTAL	56,400	19,363	1,690,500	732,316	778,500	304,331

SPECIES	DIP NETS, COMMON		HARPOONS			
			SWORDFISH		OTHER	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ALEWIVES	5,800	938	-	-	-	-
CARP	2,700	539	-	-	-	-
SMELT	6,500	3,032	-	-	-	-
SUCKERS	200	60	-	-	-	-
SUNFISH	1,200	225	-	-	-	-
SWORDFISH	-	-	26,500	37,229	-	-
TUNA, BLUEFIN	-	-	-	-	1,500	1,030
TOTAL	16,400	4,794	26,500	37,229	1,500	1,030

(CONTINUED ON NEXT PAGE)

MIDDLE ATLANTIC FISHERIES

NEW YORK - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	SPEARS		DREDGES			
			CLAM		CONCH	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
EELS, COMMON	36,600	18,016	-	-	-	-
CLAMS:						
HARD, PRIVATE	-	-	1,530,200	3,203,944	-	-
SURF	-	-	3,425,000	1,108,029	-	-
CONCHS	-	-	-	-	32,900	14,178
TOTAL	36,600	18,016	4,955,200	4,311,973	32,900	14,178

SPECIES	DREDGES - CONTINUED							
	MUSSEL, SEA		OYSTER, COMMON		SCALLOP			
					BAY		SEA	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
FLOUNDER:								
BLACKBACK	-	-	-	-	-	-	1,000	320
FLUKE	-	-	-	-	-	-	3,400	1,924
GRAY SOLE	-	-	-	-	-	-	600	210
YELLOWTAIL	-	-	-	-	-	-	800	249
MUSSELS, SEA	200	125	-	-	-	-	-	-
OYSTERS, MARKET, PUBLIC:								
SPRING	-	-	518,500	1,297,471	-	-	-	-
FALL	-	-	541,300	1,381,195	-	-	-	-
SCALLOPS:								
BAY	-	-	-	-	199,000	488,876	-	-
SEA	-	-	-	-	-	-	497,500	792,225
TOTAL	200	125	1,059,800	2,678,666	199,000	488,876	503,300	794,928

SPECIES	TONGS				RAKES	
	OYSTER		OTHER			
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
CLAMS:						
HARD, PUBLIC	-	-	3,506,200	7,289,008	3,493,700	7,569,946
RAZOR	-	-	-	-	4,100	1,468
SOFT, PUBLIC	-	-	-	-	31,100	45,684
CONCHS	-	-	9,500	3,955	-	-
MUSSELS, SEA	-	-	181,300	88,741	-	-
OYSTERS, MARKET, PUBLIC:						
SPRING	-	-	100	225	-	-
FALL	200	510	-	-	-	-
TOTAL	200	510	3,697,100	7,381,929	3,528,900	7,617,098

**NEW JERSEY
OPERATING UNITS BY GEAR, 1977**

ITEM	HAUL SEINES, COMMON	PURSE SEINES		OTTER TRAWLS	
		TUNA	OTHER	FISH	LOBSTER
NUMBER					
FISHERMEN: ON VESSELS, FULL-TIME.....	-	8	156	475	36
ON BOATS AND SHORE, FULL-TIME.....	17	-	-	20	-
TOTAL.....	17	8	156	495	36
VESSELS, MOTOR.....	-	1	11	135	12
GROSS TONNAGE.....	-	166	4,498	9,232	686
BOATS, MOTOR.....	7	-	-	10	-
GEAR.....	7	1	11	145	12

ITEM	OTTER TRAWLS - CONTINUED	MIDWATER TRAWLS	POUND NETS, FISH	FYKE AND HOOP NETS		POTS AND TRAPS
	SCALLOP			FISH	TURTLE	CRAB, BLUE
NUMBER						
FISHERMEN: ON VESSELS, FULL-TIME.....	144	32	8	-	-	8
ON BOATS AND SHORE: FULL-TIME.....	-	-	6	11	5	66
PART-TIME.....	-	-	-	-	-	17
TOTAL.....	144	32	14	11	5	91
VESSELS, MOTOR.....	30	8	3	-	-	5
GROSS TONNAGE.....	2,736	803	25	-	-	65
BOATS, MOTOR.....	-	-	2	11	5	70
GEAR.....	30	8	11	33	75	5,181

ITEM	POTS AND TRAPS - CONTINUED					GILL NETS
	EEL	FISH	LOBSTER		TURTLE	ANCHOR, SET, OR STAKE
			INSHORE	OFFSHORE		
NUMBER						
FISHERMEN: ON VESSELS, FULL-TIME.....	-	26	61	43	-	16
ON BOATS AND SHORE: FULL-TIME.....	39	2	26	2	-	46
PART-TIME.....	9	-	-	-	6	20
TOTAL.....	48	28	87	45	6	82
VESSELS, MOTOR.....	-	12	30	20	-	8
GROSS TONNAGE.....	-	232	374	423	-	82
BOATS: MOTOR.....	48	1	13	1	2	32
OTHER.....	-	-	-	-	4	-
GEAR.....	2,830	8,600	21,600	11,830	36	124

ITEM	GILL NETS - CONTINUED		LINES			DREDGES
	DRIFT	RUNAROUND	HAND	TROLL	LONG OR SET WITH HOOKS	CLAM
NUMBER						
FISHERMEN: ON VESSELS: FULL-TIME.....	8	36	4	11	78	309
PART-TIME.....	-	-	-	3	3	-
ON BOATS AND SHORE: FULL-TIME.....	22	72	8	2	3	-
PART-TIME.....	10	40	72	26	-	-
TOTAL.....	40	148	84	42	84	309
VESSELS, MOTOR.....	4	18	2	6	25	83
GROSS TONNAGE.....	36	262	65	244	1,616	8,842
BOATS, MOTOR.....	16	56	36	18	1	-
GEAR.....	20	90	108	46	26	84

(CONTINUED ON NEXT PAGE)

MIDDLE ATLANTIC FISHERIES

NEW JERSEY - OPERATING UNITS BY GEAR, 1977 - Continued

ITEM	DREDGES - CONTINUED			TONGS		RAKES
	CRAB	OYSTER, COMMON	SCALLOP, SEA	OYSTER	OTHER	
	NUMBER					
FISHERMEN						
ON VESSELS FULL-TIME	50	123	398	-	-	-
ON BOATS AND SHORE						
FULL-TIME	21	4	-	14	173	405
PART-TIME	-	-	-	15	215	455
TOTAL	71	127	398	29	388	860
VESSELS MOTOR	19	20	47	-	-	-
GROSS TONNAGE	411	712	4,633	-	-	-
BOATS MOTOR	16	2	-	23	388	860
GEAR	62	42	81	29	388	860

ITEM	HOES	BY HAND	TOTAL, EXCLUSIVE OF DUPLICATION
		NUMBER	
FISHERMEN			
ON VESSELS			
FULL-TIME	-	-	1,659
PART-TIME	-	-	3
ON BOATS AND SHORE			
FULL-TIME	15	370	717
PART-TIME	15	755	1,032
TOTAL	30	1,125	3,411
VESSELS MOTOR	-	-	379
GROSS TONNAGE	-	-	29,245
BOATS			
MOTOR	30	1,020	1,479
OTHER	-	20	24
GEAR	30	-	-

NEW JERSEY - LANDINGS OF CATCH BY GEAR, 1977

SPECIES	HAUL SEINES, COMMON		PURSE SEINES	
			TUNA	
	POUNDS	DOLLARS	POUNDS	DOLLARS
ALEWIVES	7,100	429	-	-
CARP	34,700	3,431	-	-
CATFISH AND BULLHEADS	3,800	542	-	-
HERRING, SEA	1,000	38	-	-
SHAD	200	37	-	-
STRIPED BASS	500	248	-	-
TUNA				
BLUEFIN	-	-	57,500	22,990
SPYDACK	-	-	41,800	10,442
WHITE PERCH	14,300	3,490	-	-
TOTAL	61,400	8,215	99,300	33,432

SPECIES	PURSE SEINES - CONTINUED		OTTER TRAWLS			
			FISH		LOBSTER	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ANGLERFISH	-	-	41,800	5,884	-	-
BULLFISH	243,300	25,120	398,100	41,070	-	-
BONYT	-	-	500	78	-	-
BUTTERFISH	-	-	390,700	92,428	2,800	888
COX	-	-	45,100	18,107	-	-
CRAB	-	-	1,440,700	115,417	-	-
CRUMBLE	-	-	200	21	-	-
FLUNDER	-	-	107,200	21,303	-	-
FLY	-	-	6,499,800	3,408,677	5,700	4,040
GRAY SNEEK	-	-	15,500	3,795	800	191
LANG	-	-	700	122	-	-
YELLOWTAIL	-	-	34,300	9,587	400	98
HALIBUT	-	-	400	178	-	-

(CONTINUED ON NEXT PAGE)

MIDDLE ATLANTIC FISHERIES

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NEW JERSEY - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	PURSE SEINES - CONTINUED		OTTER TRAWLS			
	OTHER		FISH		LOBSTER	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
HAKE:						
RED	-	-	1,018,900	101,709	100	18
WHITE	-	-	4,900	990	10,200	1,573
HERRING, SEA	-	-	28,400	2,826	-	-
MACKEREL:						
ATLANTIC	-	-	508,000	45,454	700	142
KING	-	-	100	62	-	-
OCEAN PERCH, ATLANTIC	-	-	2,900	285	-	-
POLLOCK	-	-	6,800	856	-	-
SCUP OR PORGY	-	-	5,768,400	1,078,291	400	37
SEA BASS, BLACK	-	-	435,900	150,860	500	172
SEA ROBIN	-	-	200	18	-	-
SEA TROUT OR WEAKFISH, GRAY	297,200	57,945	986,600	152,730	-	-
SHAD	-	-	2,600	321	-	-
SHARKS:						
GRAYFISH	-	-	3,000	261	-	-
UNCLASSIFIED	-	-	800	64	-	-
SKATES	-	-	300	39	-	-
SPOT	-	-	4,300	702	-	-
STRIPED BASS	-	-	75,700	59,359	-	-
STURGEON, COMMON	-	-	8,400	2,010	-	-
TAUTOG	-	-	12,200	1,335	-	-
TILEFISH	-	-	10,900	2,477	1,300	272
TUNA, YELLOWFIN	1,700	502	-	-	-	-
WHITING	-	-	10,027,300	1,037,941	100	22
UNCLASSIFIED	95,867,600	3,363,291	66,600	4,888	-	-
CRABS, ROCK	-	-	400	43	8,800	669
LOBSTERS, AMERICAN	-	-	12,800	25,492	124,500	248,033
CONCHS	-	-	23,200	9,924	-	-
SCALLOPS, SEA	-	-	14,300	24,915	-	-
SQUID	-	-	678,900	272,298	2,000	1,021
TOTAL	96,409,800	3,446,858	28,675,600	6,692,593	158,100	256,956

SPECIES	OTTER TRAWLS - CONTINUED		MIDWATER TRAWLS		POUND NETS, FISH	
	SCALLOP, SEA					
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ANGLERFISH	3,500	510	-	-	300	35
BLUEFISH	100	6	170,100	13,144	58,000	11,539
BUTTERFISH	400	30	5,300	1,580	35,400	10,010
COD	700	235	-	-	-	-
CROAKER	-	-	1,900	187	-	-
DRUM, BLACK	-	-	-	-	100	6
EELS, COMMON	-	-	-	-	1,400	477
FLOUNDERS:						
BLACKBACK	-	-	-	-	1,700	207
FLUKE	4,600	2,883	600	249	13,700	10,334
YELLOWTAIL	200	53	-	-	-	-
HAKE, RED	-	-	-	-	10,000	400
HERRING, SEA	-	-	28,800	1,152	14,300	1,507
MACKEREL:						
ATLANTIC	200	50	22,000	1,543	-	-
KING	-	-	900	683	-	-
SCUP OR PORGY	1,700	153	200	18	900	308
SEA BASS, BLACK	-	-	400	116	100	20
SEA TROUT OR WEAKFISH, GRAY	-	-	1,257,700	122,559	231,600	60,901
SHAD	-	-	1,700	112	23,400	6,819
SHARKS:						
GRAYFISH	-	-	-	-	6,900	875
UNCLASSIFIED	-	-	200	6	200	30
SKATES	-	-	-	-	300	39
SPOT	-	-	-	-	7,500	880
STRIPED BASS	-	-	31,600	9,432	2,000	1,620
STURGEON, COMMON	-	-	300	76	3,300	757
TAUTOG	-	-	-	-	1,200	208
TUNA, SKIPJACK	-	-	-	-	100	4
WHITING	2,100	95	5,200	261	4,500	360
UNCLASSIFIED	300	69	33,400	1,394	1,514,000	76,080
CRABS, BLUE, HARD	-	-	-	-	100	14
HORSESHOE CRABS	-	-	-	-	1,700	167
LOBSTERS, AMERICAN	700	1,276	-	-	-	-
SCALLOPS, SEA	408,300	526,429	-	-	-	-
SQUID	-	-	4,000	1,683	-	-
TURTLES, UNCLASSIFIED	-	-	-	-	300	34
TOTAL	422,800	531,789	1,564,300	154,195	1,933,000	183,631

(CONTINUED ON NEXT PAGE)

MIDDLE ATLANTIC FISHERIES

NEW JERSEY - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	FYKE AND HOOP NETS				POTS AND TRAPS	
	FISH		TURTLE		CRAB, BLUE	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ALEWIVES	2,900	145	-	-	-	-
EELS, COMMON	100	14	-	-	-	-
FLOUNDERS, BLACKBACK	19,800	3,973	-	-	-	-
TAUTOG	2,700	405	-	-	-	-
WHITE PERCH	21,200	5,480	-	-	-	-
CRABS, BLUE:						
HARD	-	-	-	-	266,900	104,063
SOFT AND PEELER	-	-	-	-	4,800	2,512
TURTLES:						
BABY	-	-	1,600	186	-	-
SNAPPER	-	-	15,600	3,588	-	-
TOTAL	46,700	10,017	17,200	3,774	271,700	106,575

SPECIES	POTS AND TRAPS - CONTINUED					
	EEL		FISH		LOBSTER,	
	INSHORE					
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
EELS:						
COMMON	123,900	46,716	-	-	-	-
CONGER	-	-	2,800	276	-	-
HAKE, RED	-	-	47,700	2,640	30,100	2,489
SCUP OR PORGY	-	-	400	30	-	-
SEA BASS, BLACK	-	-	1,035,500	349,895	7,700	3,312
TAUTOG	-	-	12,800	754	13,700	1,813
UNCLASSIFIED, FOR FOOD	-	-	1,100	128	-	-
CRABS, ROCK	-	-	-	-	20,200	1,468
LOBSTERS, AMERICAN	-	-	4,200	8,374	258,100	519,918
CONCHS	-	-	100	37	-	-
TOTAL	123,900	46,716	1,104,600	362,134	329,800	529,000

SPECIES	POTS AND TRAPS - CONTINUED				GILL NETS	
	LOBSTER - CONTINUED		TURTLE		ANCHOR, SET, OR STAKE	
	OFFSHORE					
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ALEWIVES	-	-	-	-	600	44
BLUEFISH	-	-	-	-	4,100	288
COD	-	-	-	-	600	253
DRUM, BLACK	-	-	-	-	7,200	1,261
FLOUNDERS, FLUKE	-	-	-	-	200	88
HAKE, RED	9,800	1,156	-	-	-	-
HERRING, SEA	-	-	-	-	100	3
SEA BASS, BLACK	3,500	1,009	-	-	-	-
SEA ROBIN	-	-	-	-	2,600	183
SEA TROUT OR WEAKFISH, GRAY	-	-	-	-	84,600	17,383
SHAD	-	-	-	-	187,900	45,458
STRIPED BASS	-	-	-	-	7,500	3,725
STURGEON, COMMON	-	-	-	-	200	31
TAUTOG	1,200	178	-	-	600	82
WHITE PERCH	-	-	-	-	14,200	2,913
WHITING	-	-	-	-	10,700	1,323
UNCLASSIFIED	-	-	-	-	18,700	864
CRABS, ROCK	151,100	19,019	-	-	-	-
LOBSTERS, AMERICAN	396,800	785,578	-	-	-	-
TURTLES, SNAPPERS	-	-	5,200	1,222	-	-
TOTAL	562,400	786,940	5,200	1,222	319,800	73,879

SPECIES	GILL NETS - CONTINUED				LINES	
	DRIFT		RUNAROUND		HAND	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BLUEFISH	50,200	9,199	467,100	78,903	2,300	334
BONITO	1,000	267	1,200	389	-	-
BUTTERFISH	-	-	1,200	335	-	-
COD	-	-	100	19	-	-
CROAKER	-	-	35,700	7,790	300	37
DRUM, BLACK	-	-	3,000	301	1,000	107

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MIDDLE ATLANTIC FISHERIES

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NEW JERSEY - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	GILL NETS - CONTINUED				LINES	
	DRIFT		RUNAROUND		HAND	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
FLOUNDERS, FLUKE.....	-	-	-	-	300	151
HAKE, RED.....	-	-	400	51	-	-
MACKEREL:						
ATLANTIC.....	14,800	1,477	600	80	300	78
SPANISH.....	-	-	400	117	-	-
SEA BASS, BLACK.....	-	-	1,500	732	-	-
SEA TROUT OR WEAKFISH, GRAY	6,400	1,346	343,200	76,028	14,100	2,313
SHAD.....	-	-	2,200	711	-	-
SHARKS:						
GRAYFISH.....	-	-	500	52	-	-
UNCLASSIFIED.....	-	-	-	-	100	7
SPOT.....	-	-	8,600	1,495	-	-
STRIPED BASS.....	-	-	7,100	6,619	-	-
TAUTOG.....	-	-	500	52	-	-
TILEFISH.....	-	-	-	-	600	262
TUNA, LITTLE.....	-	-	900	51	-	-
WHITE PERCH.....	100	39	100	17	-	-
WHITING.....	-	-	4,500	427	-	-
UNCLASSIFIED.....	1,400	82	24,600	1,870	100	13
TOTAL.....	73,900	12,410	903,400	176,039	19,100	3,302

SPECIES	LINES - CONTINUED				DREDGES	
	TROLL		LONG OR SET WITH HOOKS		CLAM	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BLUEFISH.....	6,300	1,569	-	-	-	-
BONITO.....	300	80	-	-	-	-
EELS, CONGER.....	-	-	7,500	1,209	-	-
HAKE, WHITE.....	-	-	100	20	-	-
SEA TROUT OR WEAKFISH, GRAY	100	45	-	-	-	-
SHARKS, UNCLASSIFIED.....	-	-	1,100	131	-	-
STRIPED BASS.....	200	106	-	-	-	-
SWORDFISH.....	-	-	189,300	358,890	-	-
TILEFISH.....	-	-	2,921,000	1,428,093	-	-
TUNA:						
BLUEFIN.....	400	161	100	34	-	-
LITTLE.....	400	30	-	-	-	-
YELLOWFIN.....	700	245	100	27	-	-
CLAMS:						
OCEAN QUAHOG.....	-	-	-	-	14,116,500	4,243,489
SURF.....	-	-	-	-	23,129,700	11,784,390
CONCHS.....	-	-	-	-	29,500	13,727
TOTAL.....	8,400	2,236	3,119,200	1,788,404	37,275,700	16,041,606

SPECIES	DREDGES - CONTINUED					
	CRAB		OYSTER, COMMON		SCALLOP, SEA	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ANGLERFISH.....	-	-	-	-	29,900	5,166
COD.....	-	-	-	-	100	23
FLOUNDERS:						
BLACKBACK.....	-	-	-	-	100	10
FLUKE.....	-	-	-	-	41,100	18,579
GRAY SOLE.....	-	-	-	-	100	9
YELLOWTAIL.....	-	-	-	-	1,800	428
SEA BASS, BLACK.....	-	-	-	-	1,700	886
WHITING.....	-	-	-	-	100	8
UNCLASSIFIED.....	-	-	-	-	100	21
CRABS, BLUE, HARD.....	123,600	43,309	-	-	-	-
OYSTERS, MARKET, PRIVATE:						
SPRING.....	-	-	209,500	207,626	-	-
FALL.....	-	-	1,014,600	1,206,830	-	-
SCALLOPS, SEA.....	-	-	-	-	2,559,400	4,202,061
SQUID.....	-	-	-	-	100	56
TOTAL.....	123,600	43,309	1,224,100	1,414,456	2,634,500	4,227,247

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MIDDLE ATLANTIC FISHERIES

NEW JERSEY - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	TONGS				RAKES	
	OYSTER		OTHER		POUNDS	DOLLARS
	POUNDS	DOLLARS	POUNDS	DOLLARS		
CLAMS, HARD, PUBLIC.....	-	-	205,800	282,625	626,900	855,938
OYSTERS, MARKET, PUBLIC:						
SPRING	600	572	-	-	-	-
FALL	300	682	-	-	-	-
TOTAL	900	1,254	205,800	282,625	626,900	855,938

SPECIES	HOES		BY HAND	
	POUNDS	DOLLARS	POUNDS	DOLLARS
CLAMS:				
HARD, PUBLIC.....	-	-	235,200	315,551
SOFT, PUBLIC.....	87,900	87,946	-	-
TOTAL	87,900	87,946	235,200	315,551

**DELAWARE
OPERATING UNITS BY GEAR, 1977**

ITEM	FYKE AND HOOP NETS		POTS AND TRAPS			
	FISH	TURTLE	CONCH	CRAB		EEL
				BLUE	OTHER	
	NUMBER					
FISHERMEN:						
ON VESSELS:						
FULL-TIME.....	-	-	2	9	-	3
PART-TIME.....	-	-	-	1	-	-
ON BOATS AND SHORE:						
FULL-TIME.....	-	-	2	28	-	6
PART-TIME.....	7	5	-	78	1	3
TOTAL.....	7	5	4	116	1	12
VESSLS, MOTOR.....	7	-	1	6	-	2
GROSS TONNAGE.....	-	-	13	78	-	17
BOATS, MOTOR.....	7	3	1	61	1	6
GEAR.....	53	26	500	6,465	200	570

ITEM	POTS AND TRAPS - CONTINUED			GILL NETS		
	FISH	LOBSTER		ANCHOR, SET, OR STAKE	DRIFT	
		INSHORE	OFFSHORE		SHAD	OTHER
	NUMBER					
FISHERMEN:						
ON VESSELS:						
FULL-TIME.....	2	-	4	-	-	-
PART-TIME.....	-	-	-	-	-	3
ON BOATS AND SHORE:						
FULL-TIME.....	-	-	-	21	9	2
PART-TIME.....	-	1	4	73	14	37
TOTAL.....	2	1	4	94	23	42
VESSLS, MOTOR.....	1	-	2	-	-	1
GROSS TONNAGE.....	14	-	37	-	-	22
BOATS, MOTOR.....	-	1	-	56	11	22
GEAR.....	1,200	40	600	59	14	23

ITEM	LINES, HAND	DREDGES		TONGS	RAKES	BY HAND	TOTAL, EXCLUSIVE OF DUPLICATION
		CRAB	OYSTER, COMMON				
		NUMBER					
FISHERMEN:							
ON VESSELS:							
FULL-TIME.....	-	39	33	-	-	-	71
PART-TIME.....	-	5	-	-	-	-	9
ON BOATS AND SHORE:							
FULL-TIME.....	-	6	-	25	12	8	63
PART-TIME.....	50	10	-	48	6	42	330
TOTAL.....	50	60	33	73	18	50	473
VESSLS, MOTOR.....	-	17	6	-	-	-	27
GROSS TONNAGE.....	-	450	265	-	-	-	673
BOATS, MOTOR.....	22	8	-	73	18	-	249
GEAR.....	50	35	12	73	18	-	-

DELAWARE - LANDINGS OF CATCH BY GEAR, 1977

SPECIES	FYKE AND HOOP NETS				POTS AND TRAPS	
	FISH		TURTLE		CONCH	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
CARP.....	28,000	2,520	-	-	-	-
CATFISH AND BULLHEADS.....	10,100	1,414	-	-	-	-
EELS, COMMON.....	10,000	5,500	-	-	-	-
FLOUNDERS, UNCLASSIFIED.....	5,000	1,350	-	-	-	-
CONCHS.....	-	-	-	-	30,600	4,594
TURTLES, SNAPPER.....	-	-	3,100	930	-	-
TOTAL.....	53,100	10,784	3,100	930	30,600	4,594

(CONTINUED ON NEXT PAGE)

MIDDLE ATLANTIC FISHERIES

DELAWARE - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	POTS AND TRAPS - CONTINUED					
	CRAB				EEL	
	BLUE		OTHER			
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
EELS, COMMON.....	-	-	-	-	85,900	43,781
CRABS:						
BLUE:						
HARD.....	426,400	204,850	-	-	-	-
SOFT AND PEELER.....	18,200	21,840	-	-	-	-
RED.....	-	-	12,000	6,000	-	-
JONAH.....	-	-	2,000	1,500	-	-
TOTAL.....	444,600	226,690	14,000	7,500	85,900	43,781

SPECIES	POTS AND TRAPS - CONTINUED					
	FISH		LOBSTER			
			INSHORE		OFFSHORE	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
HAKE, RED.....	1,000	50	-	-	-	-
SEA BASS, BLACK.....	220,000	52,800	-	-	-	-
TAUTOG.....	300	27	-	-	-	-
LOBSTERS, AMERICAN.....	-	-	700	1,750	17,500	36,750
TOTAL.....	221,300	52,877	700	1,750	17,500	36,750

SPECIES	GILL NETS					
	ANCHOR, SET, OR STAKE		DRIFT			
			SHAD		OTHER	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ALEWIVES.....	-	-	-	-	400	16
BLUEFISH.....	27,700	2,673	-	-	-	-
BUTTERFISH.....	100	24	-	-	-	-
CATFISH AND BULLHEADS.....	-	-	-	-	800	120
CROAKER.....	6,100	1,225	-	-	-	-
DRUM, RED.....	200	13	-	-	-	-
FLOUNDERS, FLUKE.....	1,600	806	-	-	-	-
MACKEREL, ATLANTIC.....	500	77	-	-	-	-
SEA TROUT OR WEAKFISH, GRAY.....	277,100	60,192	-	-	36,700	7,206
SHAD.....	7,600	1,536	64,400	13,296	2,500	500
SHARKS, GRAYFISH.....	300	16	-	-	-	-
SPOT.....	3,700	934	-	-	7,700	1,925
STRIPED BASS.....	38,400	27,920	400	280	7,800	5,782
WHITE PERCH.....	25,900	8,475	-	-	1,800	480
WHITING.....	-	-	-	-	8,700	435
YELLOW PERCH.....	-	-	-	-	300	75
UNCLASSIFIED.....	25,900	1,169	-	-	-	-
TOTAL.....	415,100	105,060	64,800	13,576	66,500	16,539

SPECIES	LINES, HAND		DREDGES			
			CRAB		OYSTER, COMMON	
			POUNDS	DOLLARS	POUNDS	DOLLARS
BLUEFISH.....	4,400	558	-	-	-	-
CROAKER.....	2,800	616	-	-	-	-
FLOUNDERS, FLUKE.....	2,900	1,305	-	-	-	-
SEA TROUT OR WEAKFISH, GRAY.....	18,200	3,516	-	-	-	-
STRIPED BASS.....	10,500	7,430	-	-	-	-
CRABS, BLUE, HARD.....	-	-	435,800	96,850	-	-
OYSTERS, MARKET, PRIVATE, FALL.....	-	-	-	-	127,500	196,190
TOTAL.....	38,800	13,425	435,800	96,850	127,500	196,190

SPECIES	TONGS		RAKES		BY HAND	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
HORSESHOE CRABS.....	-	-	-	-	400,000	4,000
CLAMS HARD, PUBLIC.....	19,300	28,487	18,800	28,644	-	-
TOTAL.....	19,300	28,487	18,800	28,644	400,000	4,000

SECTION 4

CHESAPEAKE FISHERIES

Commercial landings of fish and shellfish in the Chesapeake States of Maryland and Virginia totaled 671.1 million pounds and were valued at a record \$87.0 million. Compared with the previous year this represents increases of 84 million pounds (14 percent) and \$13 million (17 percent). This increase was due primarily to larger landings of unclassified finfish (including menhaden) as well as croaker, fluke flounder, tuna, hard blue crabs, surf clams, and sea scallops. Landings of alewives, bluefish, lobster, and oysters declined compared with 1976.

Virginia landings, which totaled 609.1 million pounds and were valued at \$55.6 million, accounted for 91 percent in volume and 64 percent in value of landings in the region. Leading species were unclassified finfish (including menhaden) with 512.7 million pounds, which accounted for 84 percent of the Virginia landings; hard blue crabs, 37.2 million pounds (6 percent); surf clams, 15.8 million pounds (3 percent), and croaker, 8.6 million pounds (1 percent).

Maryland landings were 62.0 million pounds valued at \$31.4 million in 1977. Hard blue crabs (20.2 million pounds) accounted for 32 percent of the total landings; oysters (13.0 million pounds) 21 percent; and surf clams (8.4 million pounds) 14 percent. The four most valuable Maryland fisheries were: oysters — \$14.4 million or 46 percent of the total value; hard blue crabs — \$4.9 million or 16 percent; surf clams — \$4.7 million or 15 percent; and soft clams — \$2.6 million or 8 percent.

In January and February the Chesapeake Bay experienced one of the hardest winters on record. Vast areas of the Bay and its tributaries were frozen, which prevented boats from leaving port and also destroyed some stationary fishing gear and docks. The ban on fishing in the James River, Virginia, was continued through 1977 due to contamination of bottom sediments with the insecticide Kepone. However, the Commonwealth of Virginia did allow fishing for shad, alewives, catfish, eels, and turtles in the spring, and female hard blue crabs in the summer.

Fishermen and Vessels: In 1977, 27,854 full-time and part-time fishermen operated 2,058 vessels of 5 net tons and over, 28 sail vessels, 18,765 motor boats, and 275 other boats. Compared with 1976, this was an increase of 2,864 fishermen, 145 vessels, 2 sail vessels, 3,520 motor boats, and 112 other boats.

Alewives: Landings of alewives in the Chesapeake Region were 1.5 million pounds valued at \$59,000 in 1977. This was a record low in landings and a sharp decline of 66 percent in volume and 64 percent in value compared with 1976. Most of this decline was due to a dramatic drop of 2.8 million pounds (67 percent) in Virginia landings, which accounted for 93 percent of the total. Reasons for the decline include decreasing size of fish stocks and reduced market demand for alewives.

Clams: Landings of clams in the Chesapeake Region totaled 27.5 million pounds and were valued at \$17.5 million. Surf clam landings of 24.2 million pounds valued at \$13.4 million represented 88 percent of the volume and 76 percent of the value of the total clam landings. Landings of surf clams in Virginia, 15.8 million pounds worth \$8.7 million, increased 12 percent in volume and 15 percent in value when compared with 1976. The volume of Maryland surf clam landings increased 18 percent to 8.4 million pounds, while its value increased 23 percent to \$4.7 million. On November 17, 1977, the Mid-Atlantic Regional Fishery Management Council implemented a surf clam and ocean quahog management plan which placed a moratorium on new vessels entering the fishery, set annual quotas, and restricted the work week. During the last 6 weeks of 1977, surf clam fishing was restricted to two days between Monday and Thursday each week and a quota of 175,000 bushels per vessel.

CHESAPEAKE FISHERIES

Landings of soft clams, entirely from the Maryland portion of the Chesapeake Bay, totaled 1.7 million pounds valued at \$2.6 million. This was a decrease of 6 percent in volume and 5 percent in value from 1976. Pocomoke Sound, where the fishery was centered in 1976, produced only 4 percent of the total landings in 1977 due to the intensive effort the previous year. Most landings were caught in the Chesapeake Bay from Love Point to Tangier Sound (45 percent), in the Choptank River (24 percent), in Tangier Sound (8 percent), and the Chester River (6 percent).

Over 1 million pounds of hard clams were landed in the Chesapeake Region in 1977, with a value of \$1.4 million. This was an increase of 13 percent in volume and 50 percent in value compared with 1976. The average exvessel price for hard clam meats went from \$0.97 per pound in 1976 to \$1.29 per pound in 1977. Virginia watermen accounted for 97 percent of the regional landings, with 61 percent of the State landings coming from seaside bays of the Eastern Shore, 17 percent from the James River, 11 percent from the Poquoson River, and the remainder from the York River and other tributaries. All of Maryland's hard clam landings came from seaside bays of the Eastern Shore.

Crabs: Landings of hard blue crabs totaled 57.3 million pounds valued at a record \$11.6 million. This was an increase of 27 percent in volume and 20 percent in value over 1976. Virginia fishermen landed 37.2 million pounds (65 percent of the regional catch), with 83 percent caught in crabpots, 16 percent by the winter dredge fishery, and the remainder in pound nets and by trot lines. The Maryland hard crab fishery landed 20.2 million pounds, 68 percent of which was caught in pots and 32 percent by trot lines.

Soft and peeler crab landings, 1.9 million pounds worth \$2.0 million, declined 17 percent in volume, but increased 22 percent in value compared with 1976. This was the smallest regional total since 1968 and was 19 percent lower than the average for the 5 previous years. Most of the decline in landings was due to a 21 percent drop in Maryland landings from 1.5 million to 1.2 million pounds. Landings in Maryland, which represented 63 percent of the regional catch, were caught primarily by scrapes (75 percent). Of the 695,000 pounds landed in Virginia, 68 percent were caught in crabpots, 29 percent in pound nets, and the remainder by scrapes.

Lobsters, American: Landings of American lobster totaled only 101,000 pounds worth \$216,000 dollars. This was a decline of 61 percent in volume and 58 percent in value from the previous year. The main reason for this decline was reduced effort; a Virginia-based lobster potting enterprise ceased operations in 1977. Maryland fishermen landed 80 percent of the regional catch.

Other finfish: Bluefish landings were 3.7 million pounds valued at \$248,000—a decrease of 21 percent in volume and 23 percent in value when compared to record landings of 1976. All of this decline was due to a 24 percent drop in Virginia landings. The regional catch, however, remained 13 percent above the average annual landings of 3.3 million pounds for the previous 5 years.

Landings of croaker, 9.3 million pounds valued \$978,000 were the highest since 1959 and increased in volume (33 percent) and value (8 percent) compared with 1976. However, Maryland landings of croaker decreased 35 percent from the previous year, from 1.1 million to 692,000 pounds.

Landings of fluke flounder increased to 5.3 million pounds (32 percent) and were worth \$2.4 million (70 percent) compared with 1976. Most of this increase was due to Virginia landings which accounted for 86 percent of the regional catch. Ninety-one percent of the Virginia landings were caught in otter trawls.

Gray sea trout landings in the Chesapeake Region totaled 4.5 million pounds (up 3 percent) and were valued at \$757,000 (up 13 percent) compared to 1976. Virginia fishermen landed over 95 percent of the gray sea trout in the region.

Landings of shad totaled 1.5 million pounds, valued at \$525,000, an increase of 54 percent in volume and 62 percent in value compared with the low landings of 1976. Despite this increase, Maryland shad landings were the lowest on record, and regional catches were the third lowest on record.

Striped bass landings have been decreasing since 1973, which had the highest annual regional landings on record (7.9 million pounds). Landings declined 7 percent in volume from 2.9 million pounds in 1976 to 2.6 million pounds in 1977, the lowest regional total since 1941, and were valued at \$1.5 million. Maryland landings, which declined 4 percent in volume from 1976, accounted for 68 percent of the regional total.

Landings of spot totaled 1.9 million pounds worth \$390,000—an increase of 56 percent in volume and 72 percent in value compared with 1976. All of this increase was due to greater catches by Virginia fishermen, who landed 99 percent of the regional catch.

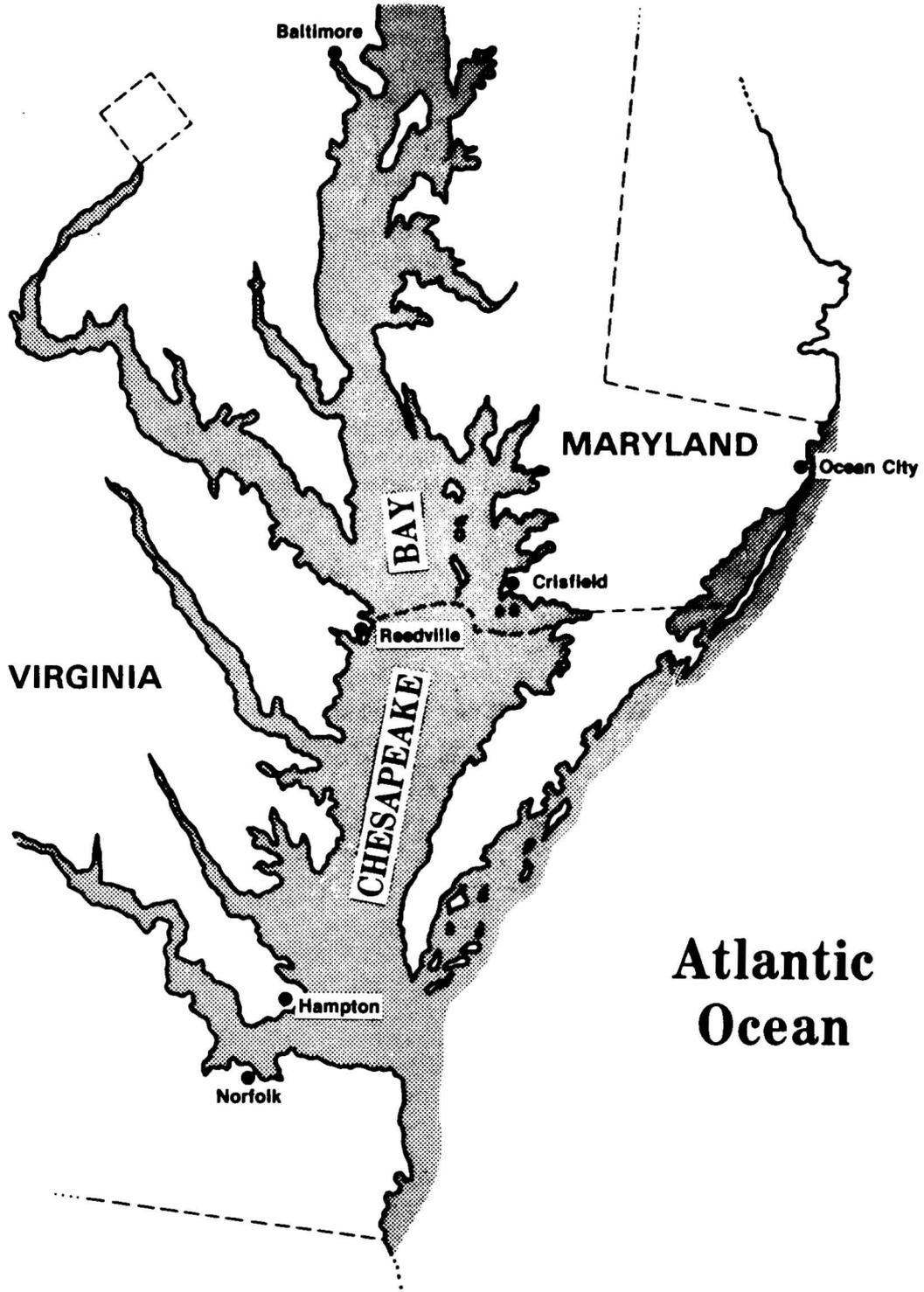
Oysters: Landings of oysters totaled 18.0 million pounds of meats, a record low, valued at \$19.9 million. Compared with 1976, there were declines of 14 percent in volume and 8 percent in value. The total catch in the spring of 1977 from public and private beds decreased 51 percent from 9.1 million pounds of meats in 1976 to 4.5 million pounds of meats in 1977 due to the harsh winter. Maryland landings, which represent 72 percent of the regional total, declined in volume to 13.0 million pounds of meats (12 percent) and in value to \$14.4 million (10 percent) compared with 1976. Virginia landings declined to 5.0 million pounds of meats (18 percent) worth \$5.6 million (5 percent), compared with 1976.

Sea scallops: Landings of sea scallops totaled 3.6 million pounds of meats and were valued at \$5.5 million—an increase of 26 percent in volume and 14 percent in value compared with 1976. The dredge fishery catch of 2.7 million pounds accounted for 75 percent of the landings. Virginia landings accounted for over 99 percent of the regional landings.

Other Information: Landings of fish and shellfish in the bay and ocean areas of Maryland and Virginia are shown at the end of this section. Additional data may be found in the monthly and annual landings bulletins for Maryland and Virginia published by the National Fishery Statistics Program in cooperation with each State.

Acknowledgments: The following organizations helped collect the data appearing in this section: Maryland Fisheries Administration, Maryland Department of Natural Resources; Potomac River Fisheries Commission; Virginia Marine Resources Commission; and the Virginia Institute of Marine Science.

CHESAPEAKE FISHERIES



CHESAPEAKE STATES

SECTIONAL SUMMARIES SUMMARY OF LANDINGS, 1977

STATE	FISH		SHELLFISH ET AL.		TOTAL	
	MILLION POUNDS	MILLION DOLLARS	MILLION POUNDS	MILLION DOLLARS	MILLION POUNDS	MILLION DOLLARS
MARYLAND.....	16	3	46	29	62	31
VIRGINIA.....	544	27	65	29	609	56
TOTAL.....	561	30	110	57	671	87

NOTE:—TABLE MAY NOT ADD BECAUSE OF ROUNDING.

SUMMARY OF OPERATING UNITS, 1977

ITEM	MARYLAND	VIRGINIA	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER		
FISHERMEN:			
ON VESSELS:			
FULL-TIME.....	1,749	2,959	4,621
PART-TIME.....	71	83	154
ON BOATS AND SHORE:			
FULL-TIME.....	2,585	1,821	4,406
PART-TIME.....	15,766	2,907	18,673
TOTAL.....	20,171	7,770	27,854
VESSELS:			
MOTOR.....	1,127	947	2,058
GROSS TONNAGE.....	14,475	36,555	49,538
SAIL.....	28	-	28
GROSS TONNAGE.....	304	-	304
TOTAL VESSELS.....	1,155	947	2,086
TOTAL GROSS TONNAGE.....	14,779	36,555	49,842
BOATS:			
MOTOR.....	14,539	4,226	18,765
OTHER.....	207	68	275
GEAR:			
HAUL SEINES, COMMON.....	72	83	155
PURSE SEINES.....	2	34	36
OTTER TRAWLS:			
FISH.....	18	100	115
SCALLOP.....	-	34	34
POUND NETS:			
FISH.....	123	425	548
CRAB.....	162	2,718	2,880
FYKE AND HOOP NETS, FISH.....	1,383	153	1,536
POTS AND TRAPS:			
CONCH.....	200	-	200
CRAB:			
BLUE.....	142,415	166,740	308,930
OTHER.....	825	-	825
EEL.....	12,245	1,885	14,130
FISH.....	4,016	3,005	7,021
LOBSTER, OFFSHORE.....	4,450	700	5,150
TURTLE.....	280	1	281
GILL NETS:			
ANCHOR, SET, OR STAKE.....	1,753	2,234	3,987
DRIFT.....	237	2,718	2,955
LINES:			
HAND.....	122	228	350
LONG OR SET WITH HOOKS.....	1	304	305
TROT WITH BAITS.....	14,299	4	14,303
DIP NETS, COMMON.....	141	-	141
SCRAPES.....	248	97	345
DREDGES:			
CLAM.....	196	67	256
CRAB, BLUE.....	-	249	249
OYSTER, COMMON.....	174	113	287
SCALLOP, SEA.....	8	46	46
OTHER.....	4	-	4
TONGS:			
OYSTER.....	4,516	1,897	6,413
OTHER.....	-	740	740
RAKES.....	12	14	26
PICKS.....	-	85	85

CHESAPEAKE FISHERIES

LANDINGS BY STATES, 1977

SPECIES	MARYLAND		VIRGINIA		TOTAL	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
FISH						
ALEWIVES	102	5	1,390	54	1,492	59
ANGLERFISH	-	-	69	20	69	20
BLUEFISH	524	27	3,169	221	3,693	248
BUTTERFISH	26	7	132	31	158	36
CABIO	-	-	2	(1)	2	(1)
CARP	108	2	41	2	149	4
CATFISH & BULLHEADS	284	34	1,667	349	1,951	363
COD	(1)	(1)	1	(1)	1	(1)
CRAPPIE	2	(1)	-	-	2	(1)
CROAKER	692	68	8,601	910	9,293	978
DRUM:						
BLACK	1	(1)	18	2	19	2
RED	-	-	(1)	(1)	(1)	(1)
EELS, COMMON	182	75	359	107	541	182
FLOUNDERS:						
BLACKBACK	2	(1)	9	2	11	2
DAB	-	-	11	1	11	1
FLUKE	739	364	4,540	2,005	5,279	2,369
SAND	-	-	1	(1)	1	(1)
YELLOWTAIL	-	-	1	1	1	1
UNCLASSIFIED	1	(1)	4	(1)	5	(1)
TOTAL FLOUNDERS	742	364	4,566	2,009	5,308	2,373
GARFISH	-	-	(1)	(1)	(1)	(1)
GIZZARD SHAD	13	(1)	4	(1)	17	(1)
HAKE, RED	12	1	(1)	(1)	12	1
HARVESTFISH	-	-	4	1	4	1
HERRING, SEA	-	-	(1)	(1)	(1)	(1)
HICKORY SHAD	1	(1)	1	1	2	1
KING WHITING OR "KINGFISH"	-	-	1	(1)	1	(1)
MACKEREL:						
ATLANTIC	98	20	11	3	109	23
KING	-	-	17	7	17	7
SPANISH	-	-	21	4	21	4
MULLET, BLACK (LISA)	(1)	(1)	11	1	11	1
PIGFISH	-	-	(1)	(1)	(1)	(1)
POLLOCK	-	-	1	(1)	1	(1)
POMPANO	-	-	(1)	(1)	(1)	(1)
SCUP OR PORGY	39	6	821	171	860	177
SEA BASS, BLACK	459	133	1,696	422	2,155	555
SEA ROBIN	3	(1)	-	-	3	(1)
SEA TROUT OR WEAKFISH:						
GRAY	222	43	4,327	714	4,549	757
SPOTTED	-	-	4	1	4	1
SHAD	78	27	1,469	498	1,547	525
SHARKS:						
GRAYFISH	8	1	16	1	24	2
UNCLASSIFIED	99	6	(1)	(1)	99	6
SHEEPSHEAD	-	-	(1)	(1)	(1)	(1)
SKATES	-	-	5	(1)	5	(1)
SPADEFISH	-	-	13	2	13	2
SPOT	16	2	1,867	388	1,883	390
STRIPED BASS	1,815	1,080	833	440	2,648	1,520
STURGEON, COMMON	2	(1)	5	1	7	1
SUCKERS	(1)	(1)	-	-	(1)	(1)
SUNFISH	7	1	-	-	7	1
SWELLFISH	-	-	8	2	8	2
SWORDFISH	1	1	6	10	7	11
TAUTOG	1	(1)	2	(1)	3	(1)
TUNA:						
BLUEFIN	1,805	537	372	142	2,177	679
LITTLE	-	-	(1)	(1)	(1)	(1)
WHITE PERCH	614	115	222	43	836	158
WHITING	33	2	37	3	70	5
YELLOW PERCH	17	4	1	(1)	18	4
UNCLASSIFIED	8,391	292	512,697	20,222	521,088	20,514
TOTAL FISH	16,397	2,853	544,487	26,782	560,884	29,635
SHELLFISH ET AL.						
CRABS:						
BLUE:						
HARD	20,159	4,906	37,178	6,723	57,337	11,629
SOFT AND PEELER	1,164	1,398	695	587	1,859	1,985
JONAH	13	2	2	1	15	3
RED	304	122	-	-	304	122
UNCLASSIFIED	-	-	(1)	(1)	(1)	(1)
TOTAL CRABS	21,640	6,428	37,875	7,311	59,515	13,739
HORSESHOE CRABS	16	1	49	2	65	3
LOBSTERS, AMERICAN	81	172	20	44	101	216

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS BY STATES, 1977 - Continued

SPECIES	MARYLAND		VIRGINIA		TOTAL	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
SHELLFISH ET AL. - CONTD						
CLAMS:						
HARD, PUBLIC.....	27	35	1,020	1,318	1,047	1,353
OCEAN QUAHOG.....	661	196	-	-	661	196
SOFT, PUBLIC.....	1,654	2,613	-	-	1,654	2,613
SURF.....	8,393	4,703	15,791	8,684	24,184	13,387
TOTAL CLAMS.....	10,735	7,547	16,811	10,002	27,546	17,549
CONCHS.....	70	27	201	73	271	100
OYSTERS, MARKET:						
PUBLIC:						
SPRING.....	3,164	3,861	333	358	3,497	4,219
FALL.....	9,506	9,759	2,802	2,963	12,308	12,722
PRIVATE:						
SPRING.....	194	373	801	995	995	1,368
FALL.....	164	360	1,050	1,265	1,214	1,625
TOTAL OYSTERS.....	13,028	14,353	4,986	5,581	18,014	19,934
SCALLOPS, SEA.....	17	33	3,610	5,496	3,627	5,529
SQUID.....	27	10	61	13	88	23
TERRAPIN.....	(1)	(1)	-	-	(1)	(1)
TURTLES, SNAPPER.....	22	5	8	2	30	7
SHELLFISH, UNCLASSIFIED.....	-	-	968	290	968	290
TOTAL SHELLFISH ET AL..	45,636	28,576	64,589	28,814	110,225	57,390
GRAND TOTAL.....	62,033	31,429	609,076	55,596	671,109	87,025

(1) LESS THAN 500 POUNDS OR \$500.

NOTE:—LANDINGS ARE SHOWN IN ROUND (LIVE) WEIGHT EXCEPT FOR MOLLUSKS. CLAMS, CONCHS, AND OYSTERS ARE REPORTED IN WEIGHT OF TOTAL MEATS; SCALLOPS, IN WEIGHT OF EDIBLE MEATS.

LANDINGS OF CERTAIN SHELLFISH, 1977

SPECIES	MARYLAND		VIRGINIA		TOTAL	
	U.S. STANDARD BUSHELS	DOLLARS	U.S. STANDARD BUSHELS	DOLLARS	U.S. STANDARD BUSHELS	DOLLARS
CLAMS:						
HARD, PUBLIC.....	3,325	35,055	127,562	1,317,829	130,887	1,352,884
OCEAN QUAHOG.....	66,050	196,200	-	-	66,050	196,200
SOFT, PUBLIC.....	137,850	2,612,497	-	-	137,850	2,612,497
SURF.....	493,700	4,702,707	928,888	8,684,168	1,422,588	13,386,875
CONCH.....	3,500	26,660	10,075	73,330	13,575	99,990
OYSTERS, MARKET:						
PUBLIC:						
SPRING.....	625,356	3,860,551	50,333	357,811	675,689	4,218,362
FALL.....	1,972,158	9,758,899	340,935	2,963,123	2,313,093	12,722,022
PRIVATE:						
SPRING.....	34,838	373,119	117,056	994,582	151,894	1,367,701
FALL.....	29,568	359,569	135,449	1,265,122	165,017	1,624,691
SCALLOPS, SEA.....	2,850	33,407	601,700	5,496,309	604,550	5,529,716

NOTE:—THE CAPACITY OF A U.S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

AVERAGE YIELD OF CERTAIN SHELLFISH, 1977

SPECIES	MARYLAND	VIRGINIA
	POUNDS OF MEAT PER U.S. STANDARD BUSHEL	
CLAMS:		
HARD, PUBLIC.....	8.00	8.00
OCEAN QUAHOG.....	10.00	-
SOFT, PUBLIC.....	12.00	-
SURF.....	17.00	17.00
CONCH.....	20.00	20.00
OYSTERS, MARKET:		
PUBLIC:		
SPRING.....	5.06	6.61
FALL.....	4.82	8.22
PRIVATE:		
SPRING.....	5.56	6.84
FALL.....	5.56	7.75
SCALLOPS, SEA.....	6.00	6.00

NOTE:—THE CAPACITY OF A U.S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

CHESAPEAKE FISHERIES

MARYLAND OPERATING UNITS BY GEAR, 1977

ITEM	HAUL SEINES, COMMON	PURSE SEINES	OTTER TRAWLS, FISH	POUND NETS		FYKE AND HOOP NETS, FISH
				FISH	CRAB	
NUMBER						
FISHERMEN:						
ON VESSELS:						
FULL-TIME	90	12	53	103	2	20
PART-TIME	14	-	-	5	-	3
ON BOATS AND SHORE:						
FULL-TIME	59	-	-	100	17	33
PART-TIME	106	-	-	50	10	145
TOTAL	269	12	53	258	29	201
VESSELS, MOTOR	24	2	17	23	2	20
GROSS TONNAGE	221	297	1,153	275	14	216
BOATS:						
MOTOR	68	2	-	51	27	169
OTHER	53	-	-	44	-	-
GEAR	72	2	18	123	162	1,383

ITEM	POTS AND TRAPS					
	CONCH	CRAB		EEL	FISH	LOBSTER, OFFSHORE
		BLUE	OTHER			
NUMBER						
FISHERMEN:						
ON VESSELS:						
FULL-TIME	-	405	11	8	15	15
PART-TIME	-	-	-	-	1	-
ON BOATS AND SHORE:						
FULL-TIME	2	490	-	174	24	-
PART-TIME	-	758	-	102	87	-
TOTAL	2	1,653	11	284	127	15
VESSELS, MOTOR	-	345	4	8	12	7
GROSS TONNAGE	-	3,100	355	58	163	348
BOATS, MOTOR	1	1,167	-	274	109	-
GEAR	200	142,415	825	12,245	4,016	4,450

ITEM	POTS AND TRAPS - CONTD	GILL NETS		LINES		
		ANCHOR, SET, OR STAKE	DRIFT	HAND	LONG OR SET WITH HOOKS	TROT WITH BAITS
	TURTLE					
NUMBER						
FISHERMEN:						
ON VESSELS:						
FULL-TIME	-	290	81	1	5	431
PART-TIME	-	38	9	4	-	7
ON BOATS AND SHORE:						
FULL-TIME	13	522	57	7	-	1,179
PART-TIME	14	1,151	206	107	-	12,702
TOTAL	27	2,001	353	119	5	14,319
VESSELS, MOTOR	-	186	52	5	1	402
GROSS TONNAGE	-	1,840	539	76	101	3,290
BOATS:						
MOTOR	27	997	182	109	-	11,279
OTHER	-	9	-	-	-	-
GEAR	280	1,753	237	122	1	14,299

ITEM	DIP NETS, COMMON	SCRAPES	DREDGES			
			CLAM	OYSTER, COMMON	SCALLOP, SEA	OTHER
	NUMBER					
FISHERMEN:						
ON VESSELS:						
FULL-TIME	-	-	364	205	44	-
PART-TIME	-	-	-	5	-	-
ON BOATS AND SHORE:						
FULL-TIME	10	190	94	111	-	2
PART-TIME	131	58	2	49	-	2
TOTAL	141	248	460	370	44	4

(CONTINUED ON NEXT PAGE)

MARYLAND - OPERATING UNITS BY GEAR, 1977 - Continued

ITEM	DIP NETS, COMMON	SCRAPES	DREDGES			
			CLAM	OYSTER, COMMON	SCALLOP, SEA	OTHER
NUMBER						
VESSLS:						
MOTOR.....	-	-	148	33	4	-
GROSS TONNAGE.....	-	-	4,139	274	441	-
SAIL.....	-	-	-	28	-	-
GROSS TONNAGE.....	-	-	-	304	-	-
BOATS:						
MOTOR.....	5	248	48	85	-	4
OTHER.....	108	-	-	-	-	-
GEAR.....	141	248	196	174	8	4

ITEM	TONGS, OYSTERS	RAKES	BY HAND	TOTAL, EXCLUSIVE OF DUPLICATION
				NUMBER
FISHERMEN:				
ON VESSELS:				
FULL-TIME.....	878	-	-	1,749
PART-TIME.....	2	-	-	71
ON BOATS AND SHORE:				
FULL-TIME.....	2,218	4	-	2,585
PART-TIME.....	1,422	8	2	15,766
TOTAL.....	4,520	12	2	20,171
VESSLS:				
MOTOR.....	814	-	-	1,127
GROSS TONNAGE.....	6,945	-	-	14,475
SAIL.....	-	-	-	28
GROSS TONNAGE.....	-	-	-	304
BOATS:				
MOTOR.....	2,734	12	-	14,539
OTHER.....	-	-	-	207
GEAR.....	4,516	12	-	-

MARYLAND - LANDINGS OF CATCH BY GEAR, 1977

SPECIES	HAUL SEINES, COMMON		PURSE SEINES		OTTER TRAWLS, FISH	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BLUEFISH.....	800	20	-	-	51,900	3,845
BUTTERFISH.....	-	-	-	-	25,500	6,560
CARP.....	33,500	705	-	-	-	-
CATFISH AND BULLHEADS.....	9,900	1,167	-	-	-	-
COD.....	-	-	-	-	400	150
CROAKER.....	-	-	-	-	668,000	84,742
DRUM, BLACK.....	-	-	-	-	100	12
FLOUNDERS:						
BLACKBACK.....	-	-	-	-	1,300	282
FLUKE.....	-	-	-	-	730,900	360,684
UNCLASSIFIED.....	-	-	-	-	1,000	178
HAKE, RED.....	-	-	-	-	10,800	356
MACKEREL, ATLANTIC.....	-	-	-	-	98,400	19,799
SCUP OR PORGY.....	-	-	-	-	39,200	6,297
SEA BASS, BLACK.....	-	-	-	-	37,400	10,946
SEA ROBIN.....	-	-	-	-	2,700	323
SEA TROUT OR WEAKFISH, GRAY	100	11	-	-	146,600	29,011
SHARKS:						
GRAYFISH.....	-	-	-	-	7,700	927
UNCLASSIFIED.....	-	-	-	-	99,000	5,547
SPOT.....	-	-	-	-	9,100	946
STRIPED BASS.....	9,500	7,467	-	-	15,500	14,674
STURGEON, COMMON.....	-	-	-	-	1,900	356
SUNFISH.....	200	20	-	-	-	-
TAUTOG.....	-	-	-	-	900	76
TUNA, BLUEFIN.....	-	-	1,805,200	537,053	-	-
WHITE PERCH.....	13,700	2,816	-	-	-	-
WHITING.....	-	-	-	-	29,000	1,363
UNCLASSIFIED.....	4,600	108	-	-	8,200	1,543
CRABS, JONAH.....	-	-	-	-	100	8
HORSESHOE CRABS.....	-	-	-	-	14,900	907

(CONTINUED ON NEXT PAGE)

CHESAPEAKE FISHERIES

MARYLAND - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	HAUL SEINES, COMMON		PURSE SEINES		OTTER TRAWLS, FISH	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
LOBSTER, AMERICAN.....	-	-	-	-	300	748
CONCHS.....	-	-	-	-	43,800	15,535
SCALLOPS, SEA.....	-	-	-	-	400	729
SQUID.....	-	-	-	-	28,800	9,948
TOTAL.....	72,300	12,314	1,805,200	537,053	2,071,800	556,486
SPECIES	POUND NETS				FYKE AND HOOP NETS,	
	FISH		CRAB		FISH	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ALEWIVES.....	85,700	4,398	-	-	100	7
BLUEFISH.....	293,700	16,612	-	-	800	76
CARP.....	3,300	73	-	-	6,300	138
CATFISH AND BULLHEADS.....	11,400	1,365	-	-	78,700	9,511
CRAPPIE.....	-	-	-	-	1,500	363
CROAKER.....	20,300	3,091	-	-	100	16
DRUM, BLACK.....	100	8	-	-	-	-
EELS, COMMON.....	25,300	10,130	-	-	300	122
FLOUNDERS, FLUKE.....	6,100	2,499	-	-	100	20
GIZZARD SHAD.....	4,500	45	-	-	200	2
HICKORY SHAD.....	-	-	-	-	100	18
MULLET, BLACK (LISA).....	200	33	-	-	-	-
SEA TROUT OR WEAKFISH, GRAY.....	33,700	6,282	-	-	-	-
SHAD.....	2,200	385	-	-	-	-
SPOT.....	5,300	1,193	-	-	-	-
STRIPED BASS.....	31,900	18,001	-	-	2,000	1,170
SUCKERS.....	300	28	-	-	-	-
SUNFISH.....	-	-	-	-	5,800	582
WHITE PERCH.....	50,500	8,351	-	-	113,900	18,725
YELLOW PERCH.....	1,200	243	-	-	13,900	2,629
UNCLASSIFIED.....	8,228,900	286,041	-	-	600	52
CRABS, BLUE:						
HARD.....	-	-	9,000	2,115	-	-
SOFT AND PEELER.....	-	-	150,600	180,616	-	-
TOTAL.....	8,804,600	358,776	159,600	182,731	224,400	33,831
SPECIES	POTS AND TRAPS					
	CONCH		CRAB			
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
CRABS:						
BLUE:						
HARD.....	-	-	13,629,700	3,355,461	-	-
SOFT AND PEELER.....	-	-	81,400	99,138	-	-
RED.....	-	-	-	-	299,900	119,888
JONAH.....	-	-	-	-	200	36
CONCHS.....	15,200	6,791	-	-	-	-
TOTAL.....	15,200	6,791	13,711,100	3,454,599	300,100	119,924
SPECIES	POTS AND TRAPS - CONTINUED					
	EEL		FISH		LOBSTER, OFFSHORE	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BLUEFISH.....	-	-	1,400	144	-	-
CARP.....	-	-	1,500	34	-	-
CATFISH AND BULLHEADS.....	-	-	111,800	13,512	-	-
EELS, COMMON.....	132,300	54,695	16,600	6,640	-	-
FLOUNDERS, BLACKBACK.....	-	-	600	72	-	-
HAKE, RED.....	-	-	1,500	83	-	-
SEA BASS, BLACK.....	-	-	421,500	122,234	200	36
STRIPED BASS.....	-	-	400	240	-	-
SUNFISH.....	-	-	500	51	-	-
TAUTOG.....	-	-	400	18	-	-
WHITE PERCH.....	-	-	8,700	1,666	-	-
YELLOW PERCH.....	-	-	1,600	311	-	-
UNCLASSIFIED.....	-	-	1000	76	100	17
CRABS:						
RED.....	-	-	-	-	4,300	2,095
JONAH.....	-	-	1,000	151	11,900	1,508
LOBSTERS, AMERICAN.....	-	-	4,700	10,294	75,600	161,103
TOTAL.....	132,300	54,695	573,200	155,526	92,100	164,759

(CONTINUED ON NEXT PAGE)

MARYLAND - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	POTS AND TRAPS - CONTINUED		GILL NETS			
			ANCHOR, SET, OR STAKE		DRIFT	
	TURTLE					
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ALEWIVES.....	-	-	14,600	867	1,300	76
BLUEFISH.....	-	-	141,100	3,936	4,800	265
BUTTERFISH.....	-	-	100	43	100	11
CARP.....	-	-	60,600	1,222	2,800	48
CATFISH AND BULLHEADS.....	-	-	63,300	7,506	8,900	1,035
CROAKER.....	-	-	1,400	195	300	46
DRUM, BLACK.....	-	-	400	27	-	-
EELS, COMMON.....	-	-	7,700	3,093	-	-
FLOUNDERS, FLUKE.....	-	-	1,500	572	200	78
GIZZARD SHAD.....	-	-	8,000	86	-	-
HAKE, RED.....	-	-	-	-	200	7
HICKORY SHAD.....	-	-	900	234	-	-
SEA TROUT OR WEAKFISH, GRAY	-	-	27,800	5,627	11,400	1,890
SHAD.....	-	-	69,200	24,805	6,200	1,696
SHARKS:						
GRAYFISH.....	-	-	-	-	200	17
UNCLASSIFIED.....	-	-	100	3	-	-
SPOT.....	-	-	2,000	220	-	-
STRIPED BASS.....	-	-	1,362,700	790,038	377,900	236,294
SUNFISH.....	-	-	500	44	100	6
WHITE PERCH.....	-	-	376,900	71,668	48,500	11,708
WHITING.....	-	-	-	-	4,300	389
YELLOW PERCH.....	-	-	600	110	-	-
UNCLASSIFIED.....	-	-	145,500	3,598	1,900	60
TURTLES, SNAPPER.....	21,500	5,306	-	-	-	-
TOTAL.....	21,500	5,306	2,284,900	913,894	469,100	253,626

SPECIES	LINES					
	HAND		LONG OR SET WITH HOOKS		TROT WITH BAITS	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BLUEFISH.....	29,400	2,058	-	-	-	-
CATFISH AND BULLHEADS.....	300	33	-	-	-	-
CROAKER.....	2,200	378	-	-	-	-
FLOUNDERS, FLUKE.....	100	20	-	-	-	-
SEA TROUT OR WEAKFISH, GRAY	2,200	331	-	-	-	-
STRIPED BASS.....	14,900	12,449	-	-	-	-
SWORDFISH.....	-	-	500	882	-	-
WHITE PERCH.....	1,500	364	-	-	-	-
CRABS, BLUE:						
HARD.....	-	-	-	-	6,440,700	1,529,055
SOFT AND PEELER.....	-	-	-	-	45,600	54,733
TOTAL.....	50,600	15,633	500	882	6,486,300	1,583,788

SPECIES	DIPS NETS, COMMON		SCRAPES		DREDGES	
					CLAM	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
CRABS, BLUE:						
HARD.....	9,900	2,358	70,000	16,550	-	-
SOFT AND PEELER.....	12,700	15,240	873,300	1,047,975	-	-
CLAMS:						
HARD, PUBLIC.....	-	-	-	-	23,400	30,121
OCEAN QUAHOG.....	-	-	-	-	660,500	196,200
SOFT, PUBLIC.....	-	-	-	-	1,654,200	2,612,497
SURF.....	-	-	-	-	8,392,900	4,702,707
CONCHS.....	-	-	-	-	11,000	4,334
SCALLOPS, SEA.....	-	-	-	-	700	1,398
TOTAL.....	22,600	17,598	943,300	1,064,525	10,742,700	7,547,257

SPECIES	DREDGES - CONTINUED					
	OYSTER, COMMON		SCALLOP, SEA		OTHER	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
FLOUNDERS, FLUKE.....	-	-	200	58	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING.....	330,800	385,811	-	-	-	-
FALL.....	855,300	990,040	-	-	-	-
PRIVATE:						
SPRING.....	150,900	312,075	-	-	-	-
FALL.....	148,800	338,153	-	-	-	-
SCALLOPS, SEA.....	-	-	16,000	31,280	-	-
TERRAPIN.....	-	-	-	-	400	224
TURTLES, SNAPPER.....	-	-	-	-	500	147
TOTAL.....	1,485,800	2,026,079	16,200	31,338	900	371

CHESAPEAKE FISHERIES

MARYLAND - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	TONGS, OYSTER		RAKES		BY HAND	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
HORSESHOE CRABS	-	-	-	-	1,100	63
CLAM, HARD, PUBLIC	-	-	3,200	4,934	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING	2,833,500	3,474,740	-	-	-	-
FALL	8,650,500	8,788,859	-	-	-	-
PRIVATE:						
SPRING	42,800	61,044	-	-	-	-
FALL	15,600	21,416	-	-	-	-
TOTAL	11,542,400	12,326,059	3,200	4,934	1,100	63

VIRGINIA OPERATING UNITS BY GEAR, 1977

ITEM	HAUL SEINES, COMMON	PURSE SEINES	OTTER TRAWLS		POUND NETS	
			FISH	SCALLOP	FISH	CRAB
	NUMBER					
FISHERMEN:						
ON VESSELS:						
FULL-TIME	-	500	403	139	304	5
PART-TIME	-	-	-	-	2	1
ON BOATS AND SHORE:						
FULL-TIME	219	-	-	-	185	189
PART-TIME	24	-	-	-	-	121
TOTAL	243	500	403	139	491	316
VESSELS, MOTOR	-	34	100	34	89	4
GROSS TONNAGE	-	12,507	8,374	3,302	925	28
BOATS:						
MOTOR	83	61	-	-	75	310
OTHER	-	-	-	-	60	-
GEAR	83	34	100	34	425	2,718

ITEM	FYKE AND HOOP NETS, FISH	POTS AND TRAPS				
		CRAB, BLUE	EEL	FISH	LOBSTER, OFFSHORE	TURTLE
	NUMBER					
FISHERMAN:						
ON VESSELS:						
FULL-TIME	2	511	-	23	-	-
PART-TIME	-	8	-	2	-	-
ON BOATS AND SHORE:						
FULL-TIME	26	1,113	60	49	6	1
PART-TIME	16	529	20	12	-	-
TOTAL	44	2,161	80	86	6	1
VESSELS, MOTOR	1	347	-	13	-	-
GROSS TONNAGE	10	2,832	-	112	-	-
BOATS, MOTOR	42	1,355	80	60	3	1
GEAR	153	166,740	1,885	3,005	700	1

ITEM	GILL NETS		LINES			SCRAPES
	ANCHOR, SET, OR STAKE	DRIFT	HAND	LONG OR SET WITH HOOKS	TROT WITH BAITS	
	NUMBER					
FISHERMEN:						
ON VESSELS:						
FULL-TIME	86	216	-	9	-	21
PART-TIME	12	62	-	-	-	1
ON BOATS AND SHORE:						
FULL-TIME	410	510	-	24	3	79
PART-TIME	740	1,011	114	56	1	-
TOTAL	1,248	1,799	114	89	4	101
VESSELS, MOTOR	45	172	-	2	-	18
GROSS TONNAGE	346	1,475	-	184	-	139
BOATS:						
MOTOR	1,153	1,556	57	80	4	79
OTHER	8	-	-	-	-	-
GEAR	2,234	2,718	228	304	4	97

VIRGINIA - OPERATING UNITS BY GEAR, 1977 - Continued

ITEM	DREDGES				TONGS	
	CLAM	CRAB, BLUE	OYSTER, COMMON	SCALLOP, SEA	OYSTER	OTHER
	NUMBER					
FISHERMEN:						
ON VESSELS, FULL-TIME.....	199	336	92	269	718	99
ON BOATS AND SHORE:						
FULL-TIME.....	10	12	130	-	797	334
PART-TIME.....	-	-	3	-	364	309
TOTAL.....	209	348	225	269	1,899	742
VESSELS, MOTOR.....	48	123	46	23	319	68
GROSS TONNAGE.....	5,631	1,815	554	2,832	2,464	803
BOATS, MOTOR.....	5	5	67	-	535	285
GEAR.....	67	249	113	46	1,897	740

ITEM	RAKES	PICKS	BY HAND		TOTAL EXCLUSIVE OF DUPLICATION
			OYSTER	OTHER	
	NUMBER				
FISHERMEN:					
ON VESSELS:					
FULL-TIME.....	-	-	-	-	2,959
PART-TIME.....	-	-	-	-	83
ON BOATS AND SHORE:					
FULL-TIME.....	8	60	21	30	1,821
PART-TIME.....	6	25	16	18	2,907
TOTAL.....	14	85	37	48	7,770
VESSELS, MOTOR.....	-	-	-	-	947
GROSS TONNAGE.....	-	-	-	-	36,555
BOATS:					
MOTOR.....	14	85	-	-	4,226
OTHER.....	-	-	-	-	66
GEAR.....	14	85	-	-	-

VIRGINIA - LANDINGS OF CATCH BY GEAR, 1977

SPECIES	HAUL SEINES, COMMON		PURSE SEINES	
	POUNDS	DOLLARS	POUNDS	DOLLARS
BLUEFISH.....	213,200	15,202	-	-
BUTTERFISH.....	800	224	-	-
CARP.....	21,200	1,091	-	-
CATFISH AND BULLHEADS.....	54,800	11,254	-	-
CROAKER.....	930,100	102,166	-	-
FLOUNDERS, FLUKE.....	24,100	7,685	-	-
KING WHITING OR "KINGFISH".....	700	166	-	-
MACKEREL, ATLANTIC.....	100	36	-	-
MULLET, BLACK (LISA).....	3,400	230	-	-
POLLOCK.....	400	55	-	-
SEA BASS, BLACK.....	100	30	-	-
SEA TROUT OR WEAFFISH:				
GRAY.....	304,500	53,861	-	-
SPOTTED.....	2,200	697	-	-
SHAD.....	2,000	557	-	-
SHARKS, GRAYFISH.....	3,100	232	-	-
SPOT.....	284,100	53,836	-	-
STRIPED BASS.....	7,000	3,613	-	-
TUNA, BLUEFIN.....	-	-	370,000	140,800
WHITE PERCH.....	14,900	2,658	-	-
YELLOW PERCH.....	800	90	-	-
UNCLASSIFIED.....	128,400	4,020	461,931,800	18,936,727
TOTAL.....	1,995,900	257,703	462,301,800	19,079,327

(CONTINUED ON NEXT PAGE)

CHESAPEAKE FISHERIES

VIRGINIA - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	OTTER TRAWLS				POUND NETS	
	FISH		SCALLOP		FISH	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ALEWIVES.....	-	-	-	-	1,385,200	53,875
ANGLERFISH.....	16,400	4,440	4,500	1,354	-	-
BLUEFISH.....	70,100	7,098	-	-	2,348,400	163,336
BUTTERFISH.....	44,600	9,779	400	52	89,200	18,510
CABIO.....	100	11	-	-	2,200	363
CARP.....	-	-	-	-	6,700	349
CATFISH AND BULLHEADS.....	-	-	-	-	407,100	71,825
COD.....	800	347	-	-	-	-
CROAKER.....	651,000	86,135	16,600	1,480	4,930,400	484,633
DRUM:						
BLACK.....	200	10	-	-	5,800	230
RED.....	100	10	-	-	100	20
EELS, COMMON.....	-	-	-	-	33,900	13,280
FLOUNDERS:						
BLACKBACK.....	8,200	1,720	-	-	500	119
DAB.....	10,800	1,111	-	-	-	-
FLUKE.....	4,136,400	1,840,179	4,700	1,881	239,200	98,438
SAND.....	700	35	-	-	-	-
YELLOWTAIL.....	1,100	441	100	19	-	-
UNCLASSIFIED.....	3,900	201	-	-	300	83
GARFISH.....	-	-	-	-	200	7
GIZZARD SHAD.....	-	-	-	-	2,600	50
HAKE, RED.....	100	15	-	-	-	-
HARVESTFISH.....	-	-	-	-	2,600	755
HICKORY SHAD.....	-	-	-	-	400	107
KING WHITING OR "KINGFISH".....	200	27	-	-	300	66
MACKEREL:						
ATLANTIC.....	4,400	1,351	-	-	-	-
KING.....	300	114	-	-	16,200	6,881
SPANISH.....	-	-	-	-	19,500	3,876
MULLET, BLACK (LISA).....	-	-	-	-	6,000	750
POLLOCK.....	-	-	-	-	300	31
POMPANO.....	-	-	-	-	300	155
SCUP OR PORGY.....	797,700	165,152	200	14	22,800	5,780
SEA BASS, BLACK.....	1,612,900	395,032	1,900	566	200	15
SEA TROUT OR WEAKFISH:						
GRAY.....	365,900	56,421	100	19	2,954,900	488,404
SPOTTED.....	200	32	-	-	1,400	416
SHAD.....	-	-	-	-	118,900	28,757
SHARKS:						
GRAYFISH.....	1,800	232	-	-	2,100	65
UNCLASSIFIED.....	-	-	-	-	100	2
SHEEPSHEAD.....	-	-	-	-	100	5
SKATES.....	-	-	-	-	4,900	159
SPADEFISH.....	-	-	-	-	13,200	2,090
SPOT.....	17,600	2,340	-	-	736,400	145,890
STRIPED BASS.....	7,100	6,936	-	-	118,500	58,531
STURGEON, COMMON.....	4,400	754	-	-	100	26
SWELLFISH.....	4,000	1,266	1,100	317	-	-
TAUTOG.....	-	-	-	-	1,500	108
TUNA, LITTLE.....	-	-	-	-	100	37
WHITE PERCH.....	-	-	-	-	104,600	20,072
WHITING.....	27,400	1,641	400	21	-	-
UNCLASSIFIED.....	24,700	3,737	-	-	47,379,300	1,187,614
CRABS, BLUE, HARD.....	-	-	-	-	15,600	3,744
HORSESHOE CRABS.....	1,900	57	-	-	47,400	1,465
LOBSTERS, AMERICAN.....	700	1,580	400	531	-	-
CONCHS.....	55,100	16,760	-	-	-	-
SCALLOPS, SEA.....	8,000	9,743	889,200	977,227	-	-
SQUID.....	60,400	12,559	300	93	-	-
TURTLES, SNAPPER.....	-	-	-	-	3,800	965
TOTAL.....	7,939,200	2,627,266	919,900	983,584	61,001,300	2,835,484

SPECIES	POUND NETS - CONTINUED		FYKE AND HOOP NETS, FISH		POTS AND TRAPS	
	CRAB		FISH		CRAB, BLUE	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BLUEFISH.....	-	-	300	22	-	-
CATFISH AND BULLHEADS.....	-	-	41,700	8,518	-	-
EELS, COMMON.....	-	-	100	32	-	-
SEA TROUT OR WEAKFISH, GRAY.....	-	-	100	14	-	-
WHITE PERCH.....	4,100	691	6,300	1,035	-	-
UNCLASSIFIED.....	-	-	5,900	192	2,200	94
CRABS, BLUE:						
HARD.....	33,600	8,684	-	-	31,004,300	5,430,421
SOFT AND PEELER.....	204,100	171,743	-	-	475,600	401,548
CONCHS.....	-	-	-	-	80,800	31,290
TOTAL.....	241,800	181,118	54,400	9,813	31,562,900	5,863,353

(CONTINUED ON NEXT PAGE)

CHESAPEAKE FISHERIES

VIRGINIA - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	POTS AND TRAPS - CONTINUED					
	EEL		FISH		LOBSTER, OFFSHORE	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
CATFISH AND BULLHEADS	10,300	3,540	872,300	196,249	-	-
EELS, COMMON	318,700	92,233	-	1,600	-	-
SEA BASS, BLACK	-	-	59,700	21,593	-	-
STRIPED BASS	-	-	2,800	1,260	-	-
CRABS:						
JONAH	-	-	-	-	2,000	1,127
UNCLASSIFIED	-	-	-	-	200	96
LOBSTERS, AMERICAN	-	-	-	-	18,800	41,413
TOTAL	329,000	95,773	936,400	219,494	21,000	42,636

SPECIES	POTS AND TRAPS - CONTINUED		GILL NETS			
	TURTLE		ANCHOR, SET, OR STAKE		DRIFT	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ALEWIVES	-	-	4,500	384	400	15
BLUEFISH	-	-	292,200	16,857	236,400	17,212
BUTTERFISH	-	-	9,200	1,917	7,000	1,755
CABIO	-	-	100	13	-	-
CARP	-	-	11,800	588	900	43
CATFISH AND BULLHEADS	-	-	109,400	17,213	-	-
CROAKER	-	-	1,175,100	119,193	887,500	115,404
DRUM, BLACK	-	-	5,700	853	-	-
EELS, COMMON	-	-	4,300	1,305	-	-
FLOUNDERS:						
BLACKBACK	-	-	400	105	-	-
FLUKE	-	-	20,300	10,170	300	127
GIZZARD SHAD	-	-	1,000	19	-	-
HARVESTFISH	-	-	1,800	520	-	-
HERRING, SEA	-	-	100	11	-	-
HICKORY SHAD	-	-	1,000	308	-	-
MACKEREL:						
ATLANTIC	-	-	4,900	566	1,800	663
KING	-	-	-	-	200	117
SPANISH	-	-	1,000	245	600	143
MULLET, BLACK (LISA)	-	-	900	149	600	93
PIGFISH	-	-	100	21	-	-
SCUP OR PORGY	-	-	600	95	-	-
SEA BASS, BLACK	-	-	800	210	-	-
SEA TROUT OR WEAKFISH, GRAY	-	-	389,700	71,549	303,100	62,190
SHAD	-	-	709,800	257,639	638,100	213,136
SHARKS, GRAYFISH	-	-	3,700	313	5,400	311
SKATES	-	-	300	12	-	-
SPADEFISH	-	-	-	-	100	25
SPOT	-	-	484,700	106,097	360,400	78,788
STRIPED BASS	-	-	693,900	365,953	3,400	3,617
STURGEON, COMMON	-	-	200	29	-	-
TAUTOG	-	-	200	18	100	3
WHITE PERCH	-	-	92,100	18,494	-	-
WHITING	-	-	7,700	763	1,800	184
UNCLASSIFIED	-	-	3,159,300	82,618	56,000	2,167
TURTLES, SNAPPER	1,300	395	2,700	698	-	-
TOTAL	1,300	395	7,169,500	1,074,925	2,504,100	495,993

SPECIES	LINES					
	HAND		LONG OR SET WITH HOOKS		TROT WITH BAITS	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BLUEFISH	10,700	1,423	-	-	-	-
BUTTERFISH	500	170	-	-	-	-
CATFISH AND BULLHEADS	-	-	171,100	40,544	-	-
CROAKER	9,900	1,258	-	-	-	-
DRUM:						
BLACK	6,100	915	-	-	-	-
RED	100	3	-	-	-	-
EELS, COMMON	-	-	100	25	-	-
FLOUNDERS:						
BLACKBACK	100	117	-	-	-	-
FLUKE	4,600	2,414	-	-	-	-
MACKEREL, KING	300	103	-	-	-	-
SCUP OR PORGY	100	8	-	-	-	-
SEA BASS, BLACK	19,200	4,088	-	-	-	-
SEA TROUT OR WEAKFISH, GRAY	8,800	1,885	-	-	-	-
SHARKS, GRAYFISH	-	-	100	11	-	-
SPOT	3,400	659	-	-	-	-

(CONTINUED ON NEXT PAGE)

CHESAPEAKE FISHERIES

VIRGINIA - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	LINES					
	HAND		LONG OR SET WITH HOOKS		TROT WITH BAITS	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
STRIPED BASS.....	100	175	-	-	-	-
SWORDFISH.....	-	-	5,900	9,663	-	-
TUNA, BLUEFIN.....	2,100	1,226	-	-	-	-
WHITE PERCH.....	200	40	300	61	-	-
UNCLASSIFIED.....	200	19	-	-	-	-
CRABS, BLUE, HARD.....	-	-	-	-	200	39
TURTLES, SNAPPER.....	100	34	-	-	-	-
TOTAL.....	66,500	14,537	177,500	50,304	200	39

SPECIES	SCRAPES		DREDGES			
			CLAM		CRAB, BLUE	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
CRABS, BLUE:						
HARD.....	-	-	-	-	6,124,000	1,280,088
SOFT AND PEELER.....	15,600	13,862	-	-	-	-
CLAMS:						
HARD, PUBLIC.....	-	-	162,300	181,180	-	-
SURF.....	-	-	15,791,100	8,684,168	-	-
CONCHS.....	-	-	45,200	13,774	20,400	11,506
SCALLOPS, SEA.....	-	-	200	266	-	-
SHELLFISH, UNCLASSIFIED.....	-	-	968,300	289,467	-	-
TOTAL.....	15,600	13,862	16,967,100	9,168,855	6,144,400	1,291,594

SPECIES	DREDGES - CONTINUED				TONGS	
	OYSTER, COMMON		SCALLOP, SEA		OYSTER	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ANGLERFISH.....	-	-	47,600	13,785	-	-
FLOUNDERS, FLUKE.....	-	-	110,000	46,071	-	-
SEA BASS, BLACK.....	-	-	1,500	341	-	-
SWELLFISH.....	-	-	2,800	814	-	-
UNCLASSIFIED.....	-	-	8,200	2,461	-	-
CLAMS, HARD, PUBLIC.....	-	-	-	-	4,800	6,025
OYSTERS, MARKET:						
PUBLIC:						
SPRING.....	109,200	112,819	-	-	222,400	243,739
FALL.....	144,000	175,023	-	-	2,595,200	2,756,391
PRIVATE:						
SPRING.....	607,300	765,366	-	-	182,600	222,001
FALL.....	675,300	880,232	-	-	194,700	238,086
SCALLOPS, SEA.....	-	-	2,712,800	4,509,073	-	-
TOTAL.....	1,535,800	1,933,440	2,882,900	4,572,545	3,199,700	3,466,242

SPECIES	TONGS - CONTINUED		RAKES		PICKS	
	OTHER					
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
CLAMS, HARD, PUBLIC, TOTAL.....	412,800	614,252	51,700	59,773	269,100	324,547

SPECIES	BY HAND			
	OYSTER		OTHER	
	POUNDS	DOLLARS	POUNDS	DOLLARS
CLAMS, HARD, PUBLIC.....	-	-	119,800	132,052
OYSTERS, MARKET:				
PUBLIC:				
SPRING.....	1,200	1,253	-	-
FALL.....	62,600	31,709	-	-
PRIVATE:				
SPRING.....	11,000	7,215	-	-
FALL.....	180,000	146,804	-	-
TOTAL.....	254,800	186,981	119,800	132,052

CHESAPEAKE STATES - LANDINGS OF CATCH BY WATERS, 1977

SPECIES	MARYLAND				VIRGINIA	
	OCEAN(1)		CHESAPEAKE BAY		OCEAN(1)	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ALEWIVES.....	400	23	101,300	5,323	-	-
ANGLERFISH.....	-	-	-	-	68,500	19,579
BLUEFISH.....	57,600	4,334	466,300	22,622	278,200	25,140
BUTTERFISH.....	25,600	6,571	100	43	53,100	11,885
CABIO.....	-	-	-	-	100	11
CARP.....	-	-	108,000	2,220	200	40
CATFISH & BULLHEADS.....	-	-	284,300	34,129	200	47
COD.....	400	150	-	-	800	347
CRAPPIE.....	-	-	1,500	363	-	-
CROAKER.....	668,600	64,808	23,700	3,660	1,529,800	208,434
DRUM:						
BLACK.....	100	12	500	35	2,200	306
RED.....	-	-	-	-	100	10
EELS, COMMON.....	50,100	21,539	132,100	53,141	-	-
FLOUNDERS:						
BLACKBACK.....	1,900	354	-	-	8,300	1,837
DAB.....	-	-	-	-	10,800	1,111
FLUKE.....	731,200	360,762	7,900	3,169	4,258,600	1,891,089
SAND.....	-	-	-	-	700	35
YELLOWTAIL.....	-	-	-	-	1,200	460
UNCLASSIFIED.....	1,000	176	-	-	3,900	201
GIZZARD SHAD.....	-	-	12,700	133	-	-
HAKE, RED.....	12,500	446	-	-	100	15
HICKORY SHAD.....	300	80	700	172	-	-
KING WHITING OR "KINGFISH".....	-	-	-	-	600	106
MACKEREL:						
ATLANTIC.....	98,400	19,799	-	-	10,600	2,433
KING.....	-	-	-	-	800	334
SPANISH.....	-	-	-	-	600	143
MULLET, BLACK (LISA).....	-	-	200	33	600	93
POLLOCK.....	-	-	-	-	400	55
SCUP OR PORGY.....	39,200	6,297	-	-	797,900	165,166
SEA BASS, BLACK.....	459,100	133,216	-	-	1,694,700	421,446
SEA ROBIN.....	2,700	323	-	-	-	-
SEA TROUT OR WEAKFISH:						
GRAY.....	175,000	33,931	46,800	9,221	745,400	131,916
SPOTTED.....	-	-	-	-	700	198
SHAD.....	100	8	77,500	26,878	59,200	8,737
SHARKS:						
GRAYFISH.....	7,900	944	-	-	9,500	806
UNCLASSIFIED.....	99,100	5,550	-	-	-	-
SPOT.....	11,100	1,166	5,300	1,193	282,300	57,177
STRIPED BASS.....	16,700	15,375	1,798,100	1,064,958	10,800	10,840
STURGEON, COMMON.....	1,900	356	-	-	4,600	783
SUCKERS.....	-	-	300	28	-	-
SUNFISH.....	-	-	7,100	703	-	-
SWELLFISH.....	-	-	-	-	7,900	2,397
SWORDFISH.....	500	882	-	-	5,900	9,663
TAUTOG.....	1,300	94	-	-	-	-
TUNA.....	1,805,200	537,053	-	-	372,100	141,826
WHITE PERCH.....	1,800	300	611,900	114,998	3,900	536
WHITING.....	33,300	1,752	-	-	37,300	2,809
YELLOW PERCH.....	-	-	17,300	3,493	600	64
UNCLASSIFIED.....	18,700	1,950	8,372,100	289,545	31,177,400	1,283,240
CRABS:						
BLUE:						
HARD.....	186,700	68,678	19,972,600	4,836,861	1,759,500	275,862
SOFT AND PEELER.....	6,800	9,700	1,156,800	1,388,002	12,400	9,122
JONAH.....	13,200	1,703	-	-	2,000	1,127
RED.....	304,200	121,983	-	-	-	-
UNCLASSIFIED.....	-	-	-	-	200	96
HORSESHOE CRABS.....	16,000	970	-	-	1,900	57
LOBSTERS, AMERICAN.....	80,600	172,143	-	-	19,900	43,524
CLAMS:						
HARD, PUBLIC.....	26,600	35,055	-	-	621,800	721,052
OCEAN QUAHOG.....	660,500	196,200	-	-	-	-
SOFT, PUBLIC.....	-	-	1,654,200	2,612,497	-	-
SURF.....	8,392,900	4,702,707	-	-	15,791,100	8,684,168
CONCHS.....	70,000	26,660	-	-	102,000	31,194
OYSTERS, MARKET:						
PUBLIC:						
SPRING.....	-	-	3,164,300	3,860,551	100	81
FALL.....	-	-	9,505,800	9,758,899	62,800	31,961
PRIVATE:						
SPRING.....	68,300	199,614	125,400	173,505	42,400	42,485
FALL.....	74,100	227,589	90,300	131,980	247,500	234,936
SCALLOPS, SEA.....	17,100	33,407	-	-	3,610,200	5,496,309
SQUID.....	26,800	9,946	-	-	80,700	12,852
TERRAPIN.....	-	-	400	224	-	-
TURTLES, SNAPPER.....	-	-	22,000	5,453	-	-
SHELLFISH, UNCLASSIFIED.....	-	-	-	-	968,300	289,467
TOTAL.....	14,265,500	7,024,606	47,787,500	24,404,032	64,743,400	20,275,210

SEE FOOTNOTE AT END OF TABLE

(CONTINUED ON NEXT PAGE)

CHESAPEAKE FISHERIES

CHESAPEAKE STATES - LANDINGS OF CATCH BY WATERS, 1977 - Continued

SPECIES	VIRGINIA - CONTINUED		TOTAL			
	CHESAPEAKE BAY		OCEAN(1)		CHESAPEAKE BAY	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ALEWIVES	1,390,100	54,074	400	23	1,491,400	59,397
ANGLERFISH			68,500	19,579		
BLUEFISH	2,891,100	196,010	335,800	29,474	3,357,400	218,632
BUTTERFISH	78,600	18,522	78,700	18,456	78,700	18,566
CABIO	2,300	376	100	11	2,300	376
CARP	40,400	2,031	200	40	148,400	4,251
CATFISH & BULLHEADS	1,666,500	348,896	200	47	1,950,800	363,025
COD			1,200	497		
CRAPPIE					1,500	383
CROAKER	7,070,800	701,845	2,198,400	273,242	7,094,500	705,505
DRUM:						
BLACK	15,600	1,700	2,300	320	18,100	1,735
RED	200	23	100	10	200	23
EELS, COMMON	358,700	107,287	50,100	21,539	490,800	160,408
FLOUNDERS:						
BLACKBACK	900	224	10,200	2,191	900	224
DAB			10,800	1,111		
FLUKE	281,000	113,876	4,989,800	2,251,851	288,900	117,045
SAND			700	35		
YELLOWTAIL			1,200	460		
UNCLASSIFIED	300	83	4,900	377	300	83
GARFISH	200	7			200	7
GIZZARD SHAD	3,600	69			18,300	202
HAKE, RED			12,600	461		
HARVESTFISH	4,400	1,275			4,400	1,275
HERRING, SEA	100	11			100	11
HICKORY SHAD	1,400	415	300	80	2,100	587
KING WHITING OR "KINGFISH"	600	153	600	106	600	153
MACKEREL:						
ATLANTIC	600	183	109,000	22,232	600	183
KING	16,200	6,881	800	334	16,200	6,881
SPANISH	20,500	4,121	800	143	20,500	4,121
MULLET, BLACK (LISA)	10,300	1,129	600	93	10,500	1,162
PIGFISH	100	21			100	21
POLLOCK	300	31	400	55	300	31
POMPAÑO	300	155			300	155
SCUP OR PORGY	23,500	5,883	837,100	171,463	23,500	5,883
SEA BASS, BLACK	1,600	429	2,153,800	554,662	1,600	429
SEA ROBIN			2,700	323		
SEA TROUT OR WEAKFISH:						
GRAY	3,581,700	582,427	920,400	165,847	3,628,500	591,648
SPOTTED	3,100	947	700	198	3,100	947
SHAD	1,409,600	489,352	59,300	8,745	1,487,100	516,230
SHARKS:						
GRAYFISH	6,700	358	17,400	1,750	6,700	358
UNCLASSIFIED	100	2	99,100	5,550	100	2
SHEEPSHEAD	100	5			100	5
SKATES	5,200	171			5,200	171
SPADEFISH	13,300	2,115			13,300	2,115
SPOT	1,584,300	330,433	293,400	58,343	1,589,600	331,626
STRIPED BASS	822,000	429,245	27,500	26,215	2,620,100	1,494,203
STURGEON, COMMON	100	26	6,500	1,139	100	26
SUCKERS					300	28
SUNFISH					7,100	703
SWELLFISH			7,900	2,397		
SWORDFISH			6,400	10,545		
TAUTOG	1,800	129	1,300	94	1,800	129
TUNA	100	37	2,177,300	678,879	100	37
WHITE PERCH	218,600	42,515	5,700	836	830,500	157,513
WHITING			70,600	4,361	17,500	3,519
YELLOW PERCH	200	26	600	64		
UNCLASSIFIED	481,518,600	18,938,409	31,196,100	1,285,190	489,980,700	19,227,954
CRABS:						
BLUE:						
HARD	35,418,200	6,447,114	1,946,200	344,540	55,390,800	11,283,975
SOFT AND PEELER	682,900	578,031	19,200	18,822	1,839,700	1,966,033
JONAH			15,200	2,830		
RED			304,200	121,983		
UNCLASSIFIED			200	96		
HORSESHOE CRABS	47,400	1,465	17,900	1,027	47,400	1,465
LOBSTERS, AMERICAN			100,500	215,667		
SHRIMP						
CLAMS:						
HARD, PUBLIC	398,700	596,777	648,400	756,107	398,700	596,777
OCEAN QUAHOG			660,500	196,200		
SOFT, PUBLIC					1,654,200	2,612,497
SURF			24,184,000	13,386,875		
CONCHS	99,500	42,136	172,000	57,854	99,500	42,136

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CHESAPEAKE FISHERIES

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CHESAPEAKE STATES - LANDINGS OF CATCH BY WATERS, 1977 - Continued

SPECIES	VIRGINIA - CONTINUED		TOTAL			
	CHESAPEAKE BAY		OCEAN(1)		CHESAPEAKE BAY	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
OYSTERS, MARKET:						
PUBLIC:						
SPRING	332,700	357,730	100	81	3,497,000	4,218,281
FALL	2,739,000	2,931,162	62,800	31,961	12,244,800	12,690,061
PRIVATE:						
SPRING	758,500	952,097	110,700	242,099	883,900	1,125,602
FALL	802,500	1,030,186	321,600	462,525	892,800	1,162,166
SCALLOPS, SEA	-	-	3,627,300	5,529,716	-	-
SQUID	-	-	87,500	22,598	-	-
TERRAPIN	-	-	-	-	400	224
TURTLES, SNAPPER	7,900	2,092	-	-	29,900	7,545
SHELLFISH, UNCLASSIFIED	-	-	968,300	289,467	-	-
TOTAL	544,333,000	35,320,677	79,008,900	27,299,816	592,100,500	59,724,709

(1) INCLUDES BAYS AND CREEKS, EXCLUSIVE OF CHESAPEAKE BAY, WHICH DRAIN INTO THE ATLANTIC OCEAN.

SECTION 5

SOUTH ATLANTIC FISHERIES

Landings by U.S. commercial fishermen in the South Atlantic States of North Carolina, South Carolina, Georgia, and the East Coast of Florida (including freshwater areas of Florida) were 346.9 million pounds valued at \$71.2 million. This was an increase of 9 percent in volume, but a 4 percent decrease in value compared with 1976. Landings declined for several major species such as black mullet, flounders, gray sea trout, king mackerel, thread herring, and shrimp. However, landings of catfish and bullheads, croaker, spanish mackerel, spot, and hard blue crabs showed increases.

North Carolina led all States with landings of 251.3 million pounds—an increase of 25.2 million (11 percent); Florida, East Coast, 66.0 million—increased 9.6 million (17 percent); South Carolina, 16.3 million—decreased 5.2 million (24 percent); and Georgia, 13.3 million—decreased 1.3 million pounds (9 percent) when compared with 1976.

Fishermen and vessels. The South Atlantic States had 11,620 full-time and part-time fishermen operating 1,463 vessels of 5 gross tons or more, 6,417 motorboats, and 255 other boats. Compared with 1976, this was an increase of 1,040 fishermen, 42 vessels, 665 motorboats, but a decrease of 9 other boats.

Hard blue crabs. Landings were 30.7 million pounds valued at \$6.1 million—an increase of 3.3 million pounds (12 percent) in volume and \$925,000 (18 percent) in value compared with 1976. Landings were 7 percent below the average of the previous 5 years. North Carolina landings were 12.2 million pounds valued at \$2.1 million—an increase of 4 percent in volume, but a decrease of 11 percent in value when compared with 1976. South Carolina landings of 7.3 million pounds were up 1.6 million (28 percent); Georgia, 7.7 million—up 1.8 million (31 percent); and Florida, East Coast, 3.4 million—down 600,000 pounds (15 percent).

Food finfish. Landings of edible finfish were 95.4 million pounds compared with 95.0 million pounds in 1976. Species with increases in 1977 were catfish and bullheads (up 19 percent), croaker (up 26 percent), spanish mackerel (up 15 percent), and spot (up 21 percent). Several major species including black mullet, flounders, gray sea trout, king mackerel, thread herring, and shrimp declined in volume. New records were set by croaker with 19.1 million pounds and spanish mackerel with 11.0 million pounds.

Spiny lobsters. Landings were 1.5 million pounds valued at \$2.5 million—an increase of 514,000 pounds (52 percent) in volume and \$792,000 (46 percent) in value compared with 1976. The average price per pound decreased from \$1.76 in 1976 to \$1.68 in 1977. All landings were made at Florida East Coast ports.

Oysters. Landings yielded 1.9 million pounds of meats worth \$1.4 million—an increase of 157,000 pounds (9 percent) in volume and \$223,000 (18 percent) in value compared with 1976. Landings and value increased in every State in 1977. Landings in South Carolina (the leading producer with 69 percent of the total) increased 8 percent; North Carolina, 10 percent; Georgia, 21 percent; and Florida, East Coast, 12 percent. The average price per pound to fishermen went from 71 cents in 1976 to 77 cents in 1977.

Scallops. Total landings of all species of scallops yielded 1.6 million pounds of meats worth \$2.0 million—a decrease of 13 percent in volume and 3 percent in value compared with 1976. Bay scallops landings were 257,000 pounds (up 4 percent) over 1976. Calico scallops were 636,000 pounds (up 49 percent) and made up 41 percent of the total landings of scallops. Sea scallop landings were 657,000 pounds (down 41 percent) compared with 1976. Bay and sea scallops were landed only in North Carolina, while calico scallops were produced only in Florida, East Coast.

Shrimp. Landings of 18.0 million pounds (heads-on) valued at \$24.3 million—a decrease of 8.1 million pounds (31 percent) in volume and \$10.6 million (30 percent) in value when compared with 1976. Fishermen received an average price of \$1.35 per pound compared with \$1.34 in 1976. Landings declined in North Carolina with 5.6 million pounds (16 percent); South Carolina, 4.3 million pounds (50 percent); and Georgia, 4.6 million pounds (41 percent). Landings along the East Coast of Florida (3.5 million pounds) increased by 17 percent over 1976.

Compared with 1976, brown shrimp landings increased by 10 percent; rock, 564 percent; and royal red shrimp, 86 percent. Landings of pink shrimp were down 56 percent and white shrimp, 65 percent. Brown shrimp accounted for 58 percent of the total catch; white, 28 percent; rock, 9 percent; pink, 4 percent; and royal red shrimp the remaining 1 percent.

Other information. Additional data may be found in the monthly and annual landings bulletins for North Carolina, South Carolina, Georgia, and Florida published in the Current Fishery Statistics series by the National Fishery Statistics Program in cooperation with the respective States.

Acknowledgments. The following organizations helped collect the data appearing in this section: North Carolina Department of Natural and Economic Resources, Division of Commercial and Sport Fisheries; South Carolina Wildlife Resources Department, Division of Marine Resources; Georgia State Game and Fish Commission, Coastal Fisheries Division; and Florida Department of Natural Resources.

SOUTH ATLANTIC FISHERIES



SOUTH ATLANTIC STATES

SECTIONAL SUMMARIES SUMMARY OF LANDINGS, 1977

STATE	FISH		SHELLFISH		TOTAL	
	MILLION POUNDS	MILLION DOLLARS	MILLION POUNDS	MILLION DOLLARS	MILLION POUNDS	MILLION DOLLARS
NORTH CAROLINA.....	231	16	20	12	251	29
SOUTH CAROLINA.....	3	1	13	8	16	10
GEORGIA.....	1	1	12	9	13	9
FLORIDA, EAST COAST.....	57	15	9	9	66	24
TOTAL.....	292	33	55	38	347	71

NOTE:—TABLE MAY NOT ADD BECAUSE OF ROUNDING. LANDINGS FOR THE INLAND LAKES OF FLORIDA ARE INCLUDED WITH THE LANDINGS FOR THE EAST COAST OF FLORIDA. FOR THE PURPOSE OF THIS REPORT "EAST COAST OF FLORIDA" INCLUDES THE COASTAL COUNTIES FROM NASSAU TO DADE, INCLUSIVE.

SUMMARY OF OPERATING UNITS, 1977

ITEM	NORTH CAROLINA	SOUTH CAROLINA	GEORGIA	FLORIDA, EAST COAST	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER				
FISHERMEN:					
ON VESSELS.....	1,884	742	800	895	3,922
ON BOATS AND SHORE:					
FULL-TIME.....	1,133	312	247	1,895	3,587
PART-TIME.....	2,062	523	427	1,099	4,111
TOTAL.....	5,079	1,577	1,474	3,889	11,620
VESSELS, MOTOR.....					
GROSS TONNAGE.....	29,732	13,870	16,233	16,364	66,595
BOATS:					
MOTOR.....	2,986	706	529	2,196	6,417
OTHER.....	190	31	24	10	255
GEAR:					
HAUL SEINES:					
COMMON.....	59	17	-	25	101
LONG.....	64	-	-	-	64
PURSE SEINES.....	20	-	-	4	24
LAMPARA NETS.....	-	-	-	3	3
BAG NETS.....	70	-	-	-	70
OTTER TRAWLS:					
CRAB.....	319	4	-	-	323
FISH.....	263	2	12	195	472
SCALLOP.....	43	-	-	28	71
SHRIMP.....	1,792	876	905	385	3,631
OTHER.....	135	-	-	-	135
POUND NETS, FISH.....	1,039	-	-	-	1,039
FYKE AND HOOP NETS,					
FISH.....	-	18	-	2,810	2,828
POTS:					
CRAB:					
BLUE.....	63,137	20,290	14,025	12,125	109,577
OTHER.....	-	-	-	3,470	3,470
EEL.....	5,400	-	-	8,890	14,290
FISH.....	4,340	1,039	192	4,000	9,571
LOBSTER, SPINY.....	-	-	-	47,160	47,160
GILL NETS:					
ANCHOR, SET, OR					
STAKE.....	2,448	33	35	3	2,519
DRIFT:					
SHAD.....	16	29	163	1	209
OTHER.....	66	1	-	-	67
RUNAROUND.....	51	-	-	356	407
TRAMMEL NETS.....	-	-	-	2	2
LINES:					
HAND.....	128	64	89	1,267	1,545
TROLL.....	140	14	4	524	682
LONG OR SET WITH					
HOOKS.....	78	1	189	2,929	3,197
TROT WITH BAITS.....	66	10	-	-	76
DIP NETS, DROP.....	-	25	-	-	25
CAST NETS.....	-	2	6	74	82
SPEARS.....	118	1	-	-	119
DREDGES:					
CLAM.....	19	13	-	-	32
OYSTER, COMMON.....	126	-	-	-	126
SCALLOP, BAY.....	203	-	-	-	203
TONGS AND GRABS, OYSTERS.....	75	-	-	7	82
RAKES:					
OYSTER.....	183	210	-	-	393
OTHER.....	101	54	-	-	155
HOOKS, SPONGE.....	-	-	-	29	29
DIVING OUTFITS.....	-	-	-	4	4

NOTE:—OPERATING UNITS FOR THE INLAND LAKES OF FLORIDA ARE INCLUDED WITH THE DATA FOR THE EAST COAST OF FLORIDA: A TOTAL OF 835 FISHERMEN USING 743 MOTORBOATS FISHED 14 HAUL SEINES, 195 OTTER TRAWLS, 4,000 FISH POTS, 1,125 LONG OR SET LINES, AND 55 CAST NETS. FOR THE PURPOSE OF THIS REPORT THE "EAST COAST OF FLORIDA" INCLUDES THE COASTAL COUNTIES FROM NASSAU TO DADE, INCLUSIVE.

SOUTH ATLANTIC FISHERIES

LANDINGS BY STATES, 1977

SPECIES	NORTH CAROLINA		SOUTH CAROLINA		GEORGIA	
	THOUSAND	THOUSAND	THOUSAND	THOUSAND	THOUSAND	THOUSAND
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
FISH						
ALEWIVES.....	8,524	422	323	21	-	-
AMBERJACK.....	-	-	(1)	(1)	3	1
ANGLERFISH.....	2	(1)	-	-	-	-
BLUEFISH.....	2,331	219	10	2	1	(1)
BUTTERFISH.....	48	8	-	-	-	-
CABIO.....	1	(1)	-	-	(1)	(1)
CARP.....	28	(1)	-	-	1	(1)
CATFISH AND BULLHEADS.....	2,073	424	450	109	75	42
CROAKER.....	18,995	2,076	1	(1)	7	2
DOLPHINFISH.....	-	-	3	1	-	-
DRUM:						
BLACK.....	13	1	5	2	1	(1)
RED.....	20	3	1	(1)	5	2
EELS, COMMON.....	258	112	14	4	2	1
FLOUNDERS, UNCLASSIFIED.....	11,137	4,998	16	7	82	28
GIZZARD SHAD.....	220	2	-	-	-	-
GROUPERS.....	29	16	352	205	110	64
GRUNTS.....	1	(1)	1	(1)	(1)	(1)
HARVESTFISH.....	48	8	-	-	-	-
HERRING, THREAD.....	4,891	180	-	-	-	-
HICKORY SHAD.....	22	2	-	-	1	1
KING WHITING OR "KINGFISH".....	204	34	20	4	162	38
MACKEREL:						
ATLANTIC.....	266	26	-	-	-	-
KING.....	245	126	7	3	4	2
SPANISH.....	46	7	(1)	(1)	2	(1)
MULLET, BLACK (LISA).....	1,835	193	1,083	145	8	2
PIGFISH.....	17	2	-	-	-	-
POMPANO.....	4	3	(1)	(1)	-	-
SCUP OR PORGY.....	137	49	169	73	135	74
SEA BASS, BLACK.....	1,465	629	17	6	8	4
SEA TROUT OR WEAKFISH:						
GRAY.....	8,672	1,049	-	-	1	(1)
SPOTTED.....	324	107	1	(1)	16	9
SHAD.....	121	55	80	54	118	84
SHARKS, UNCLASSIFIED.....	-	-	6	1	-	-
SHEEPSHEAD, SALTWATER.....	12	1	-	-	(1)	(1)
SNAPPERS:						
RED.....	-	-	75	133	72	125
VERMILION.....	-	-	58	64	7	9
UNCLASSIFIED.....	27	33	54	68	9	13
SPADEFISH.....	3	(1)	-	-	-	-
SPOT.....	3,805	469	295	59	7	1
STRIPED BASS.....	571	405	-	-	-	-
STURGEON, COMMON.....	30	5	115	26	3	1
SWELLFISH.....	3	1	-	-	-	-
TILEFISH.....	-	-	17	5	(1)	(1)
WHITE PERCH.....	268	38	-	-	-	-
WHITING.....	14	1	-	-	-	-
YELLOW PERCH.....	37	6	-	-	-	-
UNCLASSIFIED.....	164,629	4,643	58	71	28	47
TOTAL FISH.....	231,376	16,353	3,231	1,063	868	550
SHELLFISH ET AL.						
CRABS, BLUE:						
HARD.....	12,221	2,148	7,333	1,565	7,722	1,632
SOFT AND PEELER.....	16	17	-	-	-	-
TOTAL CRABS.....	12,237	2,165	7,333	1,565	7,722	1,632
SHRIMP.....	5,600	7,239	4,283	5,815	4,595	6,842
CLAMS, HARD, PUBLIC.....	739	1,069	177	229	-	-
OCTOPUS.....	1	(1)	1	(1)	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING.....	177	168	-	-	-	-
FALL.....	30	30	-	-	-	-
PRIVATE:						
SPRING.....	116	111	774	507	72	62
FALL.....	42	45	509	362	15	13
TOTAL OYSTERS.....	365	354	1,283	869	87	75

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS BY STATES, 1977 - Continued

SPECIES	NORTH CAROLINA		SOUTH CAROLINA		GEORGIA	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
SHELLFISH ET AL. - CONTD						
SCALLOPS:						
BAY	257	509	-	-	-	-
SEA	657	954	-	-	-	-
TOTAL SCALLOPS	914	1,463	-	-	-	-
SQUID	21	3	12	3	(1)	(1)
TURTLES, SNAPPER	8	2	-	-	-	-
TOTAL SHELLFISH ET AL.	19,885	12,295	13,089	8,481	12,404	8,549
GRAND TOTAL	251,261	28,648	16,320	9,544	13,272	9,099

SPECIES	FLORIDA, EAST COAST		TOTAL	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
FISH				
ALEWIVES	1	(1)	8,848	443
AMBERJACK	63	7	66	8
ANGELFISH	4	1	4	1
ANGLERFISH	-	-	2	(1)
BALLYHOO	142	53	142	53
BARRACUDA	4	1	4	1
BLUEFISH	1,373	209	3,715	430
BLUE RUNNER	23	3	23	3
BONITO	18	1	18	1
BUTTERFISH	-	-	48	8
CABIO	10	4	11	4
CARP	-	-	29	(1)
CATFISH AND BULLHEADS	10,963	3,526	13,561	4,101
CREVALLE	92	7	92	7
CROAKER	50	16	19,053	2,094
DOLPHINFISH	69	27	72	28
DRUM:				
BLACK	128	20	147	23
RED	104	39	130	44
EELS, COMMON	433	251	707	368
FLOUNDERS, UNCLASSIFIED	185	73	11,420	5,106
GIZZARD SHAD	-	-	220	2
GOATFISH	103	42	103	42
GROUPERS	804	504	1,295	789
GRUNTS	34	6	36	6
HARVESTFISH	-	-	48	8
HERRING, THREAD	50	3	4,941	183
HICKORY SHAD	-	-	23	3
HOGFISH	11	7	11	7
JEWFISH	51	21	51	21
KING WHITING OR "KINGFISH"	719	180	1,105	256
MACKEREL:				
ATLANTIC	-	-	266	26
KING	3,915	1,883	4,171	2,014
SPANISH	10,987	2,006	11,035	2,013
MOJARRA	111	13	111	13
MULLET:				
BLACK (LISA)	2,789	493	5,715	833
SILVER	142	25	142	25
PERMIT	16	4	16	4
PIGFISH	2	(1)	19	2
POMPANO	444	695	448	698
SCUP OR PORGY	133	60	574	256
SEA BASS, BLACK	71	27	1,561	666
SEA CATFISH	49	3	49	3
SEA TROUT OR WEAKFISH:				
GRAY	95	22	8,768	1,071
SPOTTED	494	245	835	361
SHAD	97	54	416	247
SHARKS, UNCLASSIFIED	44	5	50	6
SHEEPSHEAD, SALTWATER	248	43	260	44
SNAPPERS:				
LANE	21	13	21	13
MANGROVE	101	75	101	75
MUTTON	180	185	180	185
RED	479	788	626	1,046

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SOUTH ATLANTIC FISHERIES

LANDINGS BY STATES, 1977 - Continued

SPECIES	FLORIDA, EAST COAST		TOTAL	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
FISH - CONTD				
SNAPPERS, CONTD:				
VERMILION	148	161	213	234
YELLOWTAIL	46	43	46	43
UNCLASSIFIED	-	-	90	114
SPADEFISH	-	-	3	(1)
SPANISH SARDINES	1	(1)	1	(1)
SPOT	1,029	183	5,136	712
STRIPED BASS	-	-	571	405
STURGEON, COMMON	(1)	(1)	148	32
SWELLFISH	-	-	3	1
SWORDFISH	113	172	113	172
TENPOUNDER	47	2	47	2
TILAPIA	1,100	154	1,100	154
TILEFISH	48	22	65	27
TRIGGERFISH	21	5	21	5
TRIPLETAIL	9	2	9	2
WAHOO	6	3	6	3
WARSAW	21	10	21	10
WHITE PERCH	-	-	268	38
WHITING	-	-	14	1
YELLOW PERCH	-	-	37	6
UNCLASSIFIED	18,124	2,841	182,839	7,602
TOTAL FISH	56,565	15,238	292,040	33,204
SHELLFISH ET AL				
CRABS:				
BLUE:				
HARD	3,424	779	30,700	6,124
SOFT AND PEELER	(1)	(1)	16	17
STONE	26	25	26	25
TOTAL CRABS	3,450	804	30,742	6,166
LOBSTERS, SPINY	1,501	2,526	1,501	2,526
SHRIMP	3,543	4,451	18,021	24,347
CLAMS, HARD, PUBLIC	148	205	1,064	1,503
CONCHS	1	1	1	1
OCTOPUS	-	-	2	(1)
OYSTERS, MARKET:				
PUBLIC:				
SPRING	57	63	234	231
FALL	15	17	45	47
PRIVATE:				
SPRING	40	45	1,002	725*
FALL	14	15	580	435
TOTAL OYSTERS	126	140	1,861	1,438
SCALLOPS:				
BAY	-	-	257	509
CALICO	636	503	636	503
SEA	-	-	657	954
TOTAL SCALLOPS	636	503	1,550	1,966
SQUID	12	2	45	8
TURTLES:				
SNAPPER	-	-	8	2
SOFTSHELL	15	3	15	3
SPONGES:				
GRASS	3	9	3	9
SHEEPSWOL	7	55	7	55
YELLOW	4	14	4	14
TOTAL, SHELLFISH ET AL.	9,446	8,713	54,824	38,038
GRAND TOTAL	66,011	23,951	346,864	71,242

(1) LESS THAN 500 LBS. OR \$500.

NOTE:—LANDINGS ARE SHOWN IN ROUND (LIVE) WEIGHT EXCEPT FOR SHELL MOLLUSKS. CLAMS AND OYSTERS ARE REPORTED IN WEIGHT OF TOTAL MEATS; SCALLOPS, IN WEIGHT OF EDIBLE MEAT. THE LANDINGS OF 10,890,000 POUNDS OF CATFISH AND BULLHEADS (VALUED AT \$3,497,154), 1,100,000 POUNDS OF TILAPIA (VALUED AT \$154,000), 5,000,000 POUNDS OF UNCLASSIFIED FISH (VALUED AT \$2,500,000) AND 15,000 POUNDS OF SOFT-SHELL TURTLES (VALUED AT \$3,000) TAKEN FROM THE INLAND LAKES ARE INCLUDED WITH THE EAST COAST OF FLORIDA. FOR THE PURPOSE OF THIS REPORT THE "EAST COAST OF FLORIDA" INCLUDES THE COASTAL COUNTIES FROM NASSAU TO DADE, INCLUSIVE.

SOUTH ATLANTIC FISHERIES

LANDINGS OF CERTAIN SHELLFISH - 1977

SPECIES	NORTH CAROLINA		SOUTH CAROLINA		GEORGIA	
	U S STANDARD BUSHEL S	DOLLARS	U S STANDARD BUSHEL S	DOLLARS	U S STANDARD BUSHEL S	DOLLARS
CLAMS, HARD, PUBLIC	84,503	1,088,880	20,194	229,642		
OYSTERS, MARKET						
PUBLIC						
SPRING	32,833	168,087				
FALL	7,106	29,612				
PRIVATE						
SPRING	21,055	110,805	281,800	506,802	19,227	62,002
FALL	9,043	45,297	207,837	382,128	6,086	13,307
SCALLOPS						
BAY	46,727	509,255				
SEA	87,613	953,958				
					TOTAL	
SPECIES	FLORIDA, EAST COAST		TOTAL			
	U S STANDARD BUSHEL S	DOLLARS	U S STANDARD BUSHEL S	DOLLARS		
CLAMS, HARD, PUBLIC	18,488	205,172	123,185	1,502,664		
CONCH	29	520	29	52		
OYSTERS, MARKET						
PUBLIC						
SPRING	14,069	62,487	46,902	231,554		
FALL	3,846	16,913	10,952	46,525		
PRIVATE						
SPRING	9,804	44,761	331,686	124,111		
FALL	3,462	15,120	226,422	435,542		
SCALLOPS						
BAY				46,727	509,255	
CALICO	254,280	503,237	254,280	503,237		
SEA				87,613	953,958	

NOTE — THE CAPACITY OF A U S STANDARD BUSHEL IS 2 150 4 CUBIC INCHES

AVERAGE YIELD OF CERTAIN SHELLFISH, 1977

SPECIES	NORTH CAROLINA	SOUTH CAROLINA	GEORGIA	FLORIDA EAST COAST
	POUNDS OF MEATS PER U S STANDARD BUSHEL			
CLAMS, HARD, PUBLIC	8.75	8.75		8.37
CONCHS				14.00
OYSTERS, MARKET				
PUBLIC				
SPRING	5.40			4.18
FALL	4.25			3.18
PRIVATE				
SPRING	5.50	2.75	3.75	4.18
FALL	4.70	2.45	2.50	3.18
SCALLOPS				
BAY	5.50			
CALICO				2.50
SEA	7.50			

NOTE — THE CAPACITY OF A U S STANDARD BUSHEL IS 2 150 4 CUBIC INCHES

SOUTH ATLANTIC FISHERIES

NORTH CAROLINA
OPERATING UNITS BY GEAR, 1977

ITEM	HAUL SEINES		PURSE SEINES	BAG NETS	OTTER TRAWLS		
	COMMON	LONG			CRAB	FISH	
	NUMBER						
FISHERMEN:							
ON VESSELS	-	31	336	-	278	542	
ON BOATS AND SHORE:							
FULL-TIME	76	203	-	31	73	-	
PART-TIME	205	151	-	42	35	-	
TOTAL	281	385	336	73	386	542	
VESSELS, MOTOR	-	11	20	-	134	169	
GROSS TONNAGE	-	90	6,780	-	3,404	10,699	
BOATS:							
MOTOR	59	118	40	70	80	-	
OTHER	9	128	-	39	-	-	
GEAR	59	64	20	70	319	263	
ITEM	OTTER TRAWLS - CONTINUED			POUND NETS, FISH	POTS AND TRAPS		
	SCALLOP	SHRIMP	OTHER		CRAB, BLUE	EEL	
	NUMBER						
FISHERMEN:							
ON VESSELS	112	1,161	-	-	39	-	
ON BOATS AND SHORE:							
FULL-TIME	-	343	133	134	234	41	
PART-TIME	-	645	35	181	178	82	
TOTAL	112	2,149	168	315	451	123	
VESSELS, MOTOR	27	495	-	-	22	-	
GROSS TONNAGE	2,864	18,237	-	-	176	-	
BOATS:							
MOTOR	-	858	135	203	398	123	
OTHER	-	-	-	5	-	-	
GEAR	43	1,792	135	1,039	63,137	5,400	
ITEM	POTS AND TRAPS - CONTD	GILL NETS				LINES	
		ANCHOR, SET, OR STAKE	DRIFT		RUNAROUND	HAND	
			SHAD	OTHER			
	FISH						
	NUMBER						
FISHERMEN:							
ON VESSELS	102	9	-	-	-	39	
ON BOATS AND SHORE:							
FULL-TIME	34	167	-	4	30	2	
PART-TIME	87	450	21	80	74	44	
TOTAL	223	626	21	84	104	85	
VESSELS, MOTOR	47	4	-	-	-	16	
GROSS TONNAGE	1,185	25	-	-	-	363	
BOATS:							
MOTOR	120	534	16	66	51	27	
OTHER	-	-	-	-	2	-	
GEAR	4,340	2,448	16	66	51	128	
ITEM	LINES - CONTINUED			SPEARS	DREDGES		
	TROLL	LONG OR SET WITH HOOKS	TROT WITH BAITS		CLAM	OYSTER, COMMON	
	NUMBER						
FISHERMEN:							
ON VESSELS	68	15	2	-	14	46	
ON BOATS AND SHORE:							
FULL-TIME	-	10	35	19	12	68	
PART-TIME	33	14	54	106	12	40	
TOTAL	101	39	91	125	38	154	
VESSELS, MOTOR	31	3	2	-	6	32	
GROSS TONNAGE	806	296	14	-	87	330	
BOATS, MOTOR	13	24	64	112	13	94	
GEAR	140	78	66	118	19	126	

(CONTINUED ON NEXT PAGE)

NORTH CAROLINA - OPERATING UNITS BY GEAR, 1977 - Continued

ITEM	DREDGES - CONTINUED	TONGS AND GRABS, OYSTER	RAKES		BY HAND, OYSTER	TOTAL, EXCLUSIVE OF DUPLICATION
	SCALLOP, BAY		OYSTER	OTHER		
	NUMBER					
FISHERMEN:						
ON VESSELS	-	-	-	-	-	1,884
ON BOATS AND SHORE:						
FULL-TIME	63	28	57	29	4	1,133
PART-TIME	140	56	126	72	10	2,062
TOTAL	203	84	183	101	14	5,079
VESSELS, MOTOR	-	-	-	-	-	648
GROSS TONNAGE	-	-	-	-	-	29,732
BOATS:						
MOTOR	169	75	166	81	14	2,986
OTHER	-	-	13	6	2	190
GEAR	203	75	183	101	-	-

NORTH CAROLINA - LANDINGS OF CATCH BY GEAR, 1977

SPECIES	HAUL SEINES				PURSE SEINES	
	COMMON		LONG		POUNDS	DOLLARS
	POUNDS	DOLLARS	POUNDS	DOLLARS		
ALEWIVES	125,000	6,215	7,400	368	-	-
BLUEFISH	199,300	21,785	698,700	54,271	-	-
BUTTERFISH	8,200	2,235	-	-	-	-
CABIO	-	-	1,000	53	-	-
CARB	-	-	3,700	48	-	-
CATFISH AND BULLHEADS	-	-	1,900	385	-	-
CROAKER	201,300	33,503	7,537,800	728,360	-	-
DRUM:						
BLACK	-	-	1,500	84	-	-
RED	3,400	502	11,800	1,499	-	-
FLOUNDERS, UNCLASSIFIED	-	-	16,500	6,862	-	-
HARVESTFISH	-	-	15,000	3,208	-	-
HERRING, THREAD	-	-	-	-	4,891,000	180,164
KING WHITING OR "KINGFISH"	5,300	964	7,300	1,438	-	-
MACKEREL, SPANISH	3,700	747	14,900	2,248	-	-
MULLET, BLACK (LISA)	1,293,500	130,239	7,600	812	-	-
PIGFISH	-	-	7,500	790	-	-
POMPANO	200	110	1,200	627	-	-
SEA TROUT OR WEAKFISH:						
GRAY	93,600	20,835	2,070,700	262,266	-	-
SPOTTED	10,100	3,754	235,100	75,628	-	-
SHAD	-	-	2,600	901	-	-
SHEEPSHEAD, SALTWATER	-	-	800	44	-	-
SPADEFISH	-	-	400	22	-	-
SPOT	144,900	19,442	2,672,300	315,561	-	-
STRIPED BASS	37,300	38,353	3,000	2,604	-	-
WHITE PERCH	-	-	39,400	5,403	-	-
YELLOW PERCH	-	-	18,300	2,756	-	-
UNCLASSIFIED	-	-	2,945,000	29,450	158,119,300	4,369,012
TOTAL	2,125,800	278,684	16,321,400	1,495,688	163,010,300	4,549,176

SPECIES	BAG NETS		OTTER TRAWLS			
			CRAB		FISH	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ANGLERFISH	-	-	-	-	1,600	81
BLUEFISH	-	-	-	-	1,227,300	118,661
BUTTERFISH	-	-	-	-	31,000	4,327
CROAKER	-	-	28,300	3,007	9,757,500	1,105,373
DRUM:						
BLACK	-	-	-	-	8,200	725
RED	-	-	-	-	500	64
FLOUNDERS, UNCLASSIFIED	-	-	31,800	10,822	10,336,000	4,644,921
KING WHITING OR "KINGFISH"	-	-	1,000	207	124,300	19,746
MACKEREL, ATLANTIC	-	-	-	-	266,100	26,251
PIGFISH	-	-	-	-	6,400	638

(CONTINUED ON NEXT PAGE)

SOUTH ATLANTIC FISHERIES

NORTH CAROLINA - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	BAG NETS		OTTER TRAWLS			
			CRAB		FISH	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
SCUP OR PORGY.....	-	-	-	-	117,900	41,836
SEA BASS, BLACK.....	-	-	-	-	1,188,900	481,461
SEA TROUT OR WEAKFISH:						
GRAY.....	-	-	3,300	594	5,582,100	819,915
SPOTTED.....	-	-	200	53	2,800	997
SHEEPSHEAD, SALTWATER.....	-	-	-	-	1,200	318
SPOT.....	-	-	2,300	278	584,200	78,750
STRIPED BASS.....	-	-	-	-	15,400	12,188
STURGEON, COMMON.....	-	-	-	-	15,200	1,880
SWELLFISH.....	-	-	-	-	2,800	897
WHITING.....	-	-	-	-	13,500	1,083
UNCLASSIFIED.....	-	-	-	-	3,087,000	30,970
CRABS:						
BLUE, HARD.....	-	-	1,840,100	407,189	-	-
SOFT AND PEELER.....	-	-	3,100	3,149	-	-
SHRIMP.....	21,200	27,752	-	-	-	-
SQUID.....	-	-	-	-	20,900	3,237
TOTAL.....	21,200	27,752	1,910,100	425,297	32,380,800	7,192,088

SPECIES	OTTER TRAWLS - CONTINUED					
	SCALLOP		SHRIMP		OTHER	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BLUEFISH.....	-	-	7,200	845	-	-
BUTTERFISH.....	-	-	3,800	324	-	-
CROAKER.....	-	-	254,400	25,515	-	-
DRUM, BLACK.....	-	-	100	5	-	-
FLOUNDERS, UNCLASSIFIED.....	-	-	204,400	71,987	-	-
KING WHITING OR "KINGFISH".....	-	-	56,400	9,599	-	-
PIGFISH.....	-	-	1,700	172	-	-
POMPANO.....	-	-	100	80	-	-
SEA BASS, BLACK.....	-	-	3,000	540	-	-
SEA TROUT OR WEAKFISH, GRAY.....	-	-	55,200	8,005	-	-
SPOT.....	-	-	202,900	28,480	-	-
STRIPED BASS.....	-	-	100	65	-	-
STRUGEON, COMMON.....	-	-	100	20	-	-
WHITE PERCH.....	-	-	300	42	-	-
UNCLASSIFIED.....	-	-	348,000	3,480	-	-
CRABS:						
BLUE, HARD.....	-	-	443,800	58,763	21,000	8,300
SOFT AND PEELER.....	-	-	3,000	3,033	-	-
SHRIMP.....	-	-	5,578,900	7,211,328	-	-
CLAMS, HARD, PUBLIC.....	-	-	-	-	545,800	820,004
SCALLOPS, SEA.....	657,100	953,958	-	-	-	-
TOTAL.....	657,100	953,958	7,183,400	7,420,023	566,800	826,304

SPECIES	POUND NETS, FISH		POTS AND TRAPS			
			CRAB, BLUE		EEL	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ALEWIVES.....	8,112,200	382,513	-	-	-	-
BLUEFISH.....	44,000	4,173	-	-	-	-
BUTTERFISH.....	4,400	936	-	-	-	-
CARP.....	13,200	211	-	-	-	-
CATFISH AND BULLHEADS.....	623,200	127,453	-	-	-	-
CROAKER.....	387,000	43,824	-	-	-	-
DRUM:						
BLACK.....	2,600	156	-	-	-	-
RED.....	200	30	-	-	-	-
EELS, COMMON.....	17,900	5,731	-	-	239,500	108,212
FLOUNDERS, UNCLASSIFIED.....	488,100	225,824	-	-	-	-
GIZZARD SHAD.....	187,900	1,880	-	-	-	-
HARVESTFISH.....	33,000	5,024	-	-	-	-
HICKORY SHAD.....	13,300	819	-	-	-	-
MACKEREL:						
KING.....	100	113	-	-	-	-
SPANISH.....	9,400	1,519	-	-	-	-
POMPANO.....	2,900	2,341	-	-	-	-
SEA TROUT OR WEAKFISH:						
GRAY.....	803,600	123,527	-	-	-	-
SPOTTED.....	11,600	4,151	-	-	-	-
SHAD.....	63,600	27,879	-	-	-	-
SHEEPSHEAD, SALTWATER.....	9,700	812	-	-	-	-
SPADEFISH.....	2,600	136	-	-	-	-

(CONTINUED ON NEXT PAGE)

NORTH CAROLINA - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	POUND NETS, FISH		POTS AND TRAPS			
			CRAB, BLUE		EEL	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
SPOT.....	37,700	4,885	-	-	-	-
STRIPED BASS.....	57,400	29,144	-	-	-	-
STURGEON, COMMON.....	300	59	-	-	-	-
WHITE PERCH.....	148,100	19,621	-	-	-	-
YELLOW PERCH.....	3,100	497	-	-	-	-
CRABS:						
BLUE, HARD.....	-	-	9,528,100	1,607,787	-	-
SOFT AND PEELER.....	-	-	9,900	10,818	-	-
TOTAL.....	11,057,100	1,022,858	9,538,000	1,618,605	239,500	106,212

SPECIES	POTS AND TRAPS - CONTINUED		GILL NETS			
	FISH		ANCHOR, SET, OR STAKE		DRIFT	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ALEWIVES.....	-	-	97,600	4,825	-	-
BLUEFISH.....	-	-	121,300	10,420	-	-
BUTTERFISH.....	-	-	200	25	-	-
CARP.....	-	-	11,300	168	-	-
CATFISH AND BULLHEADS.....	894,000	181,794	432,600	88,701	-	-
CROAKER.....	-	-	818,100	135,642	-	-
DRUM:						
BLACK.....	-	-	500	41	-	-
RED.....	-	-	3,500	530	-	-
EELS, COMMON.....	900	284	-	-	-	-
FLOUNDERS, UNCLASSIFIED.....	-	-	51,300	22,358	-	-
GIZZARD SHAD.....	-	-	31,900	320	-	-
GROUPERS.....	100	99	-	-	-	-
GRUNTS.....	300	39	-	-	-	-
HICKORY SHAD.....	-	-	8,700	936	-	-
KING WHITING OR "KINGFISH".....	-	-	10,000	1,972	-	-
MACKEREL:						
KING.....	-	-	200	49	-	-
SPANISH.....	-	-	18,100	2,558	-	-
MULLET, BLACK (LISA).....	-	-	282,100	34,227	-	-
PIGFISH.....	800	114	800	36	-	-
POMPANO.....	-	-	100	32	-	-
SCUP OR PORGY.....	16,400	6,116	-	-	-	-
SEA BASS, BLACK.....	272,700	146,927	-	-	-	-
SEA TROUT OR WEAKFISH:						
GRAY.....	-	-	61,200	10,188	-	-
SPOTTED.....	-	-	28,800	10,116	-	-
SHAD.....	-	-	38,600	17,419	16,300	8,561
SHEEPSHEAD, SALTWATER.....	-	-	200	14	-	-
SNAPPER, UNCLASSIFIED.....	200	162	-	-	-	-
SPOT.....	-	-	151,700	21,361	-	-
STRIPED BASS.....	-	-	451,500	318,559	-	-
STURGEON, COMMON.....	-	-	13,900	3,298	-	-
SWELLFISH.....	100	69	-	-	-	-
WHITE PERCH.....	-	-	76,800	12,343	-	-
YELLOW PERCH.....	-	-	15,400	2,326	-	-
OCTOPUS.....	600	338	-	-	-	-
TOTAL.....	1,186,100	335,942	2,726,400	698,464	16,300	8,561

SPECIES	GILL NETS - CONTINUED				LINES	
	DRIFT - CONTINUED		RUNAROUND		HAND	
	OTHER					
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ALEWIVES.....	181,700	17,682	-	-	-	-
BLUEFISH.....	100	18	3,300	344	-	-
CATFISH AND BULLHEADS.....	3,900	775	-	-	500	106
CROAKER.....	-	-	10,400	1,346	-	-
DRUM, RED.....	-	-	300	47	-	-
GROUPERS.....	-	-	-	-	29,100	15,654
GRUNTS.....	-	-	-	-	600	173
MULLET, BLACK (LISA).....	4,600	933	247,300	27,079	-	-
PIGFISH.....	-	-	200	20	-	-
SCUP OR PORGY.....	-	-	-	-	2,300	920
SEA BASS, BLACK.....	-	-	-	-	100	81

(CONTINUED ON NEXT PAGE)

SOUTH ATLANTIC FISHERIES

NORTH CAROLINA - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	GILL NETS - CONTINUED				LINES	
	DRIFT - CONTINUED		RUNAROUND		HAND	
	OTHER					
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
SEA TROUT OR WEAKFISH:						
GRAY.....	-	-	21,900	3,333	-	-
SPOTTED.....	900	412	34,000	11,563	-	-
SNAPPER, UNCLASSIFIED.....	-	-	-	-	27,200	33,009
SPOT.....	1,800	326	27,400	3,613	-	-
STRIPE BASS.....	6,700	4,370	-	-	-	-
WHITE PERCH.....	3,600	697	-	-	-	-
TURTLES, SNAPPER.....	-	-	-	-	7,600	1,523
TOTAL.....	203,300	25,213	344,800	47,345	67,400	51,486
SPECIES	LINES - CONTINUED					
	TROLL		LONG OR SET WITH HOOKS		TROT WITH BAITS	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BLUEFISH.....	30,100	8,346	-	-	-	-
CATFISH AND BULLHEADS.....	-	-	117,000	24,877	-	-
MACKEREL, KING.....	244,400	125,816	-	-	-	-
UNCLASSIFIED.....	-	-	120,000	210,000	-	-
CRABS, BLUE, HARD.....	-	-	-	-	367,700	66,307
TOTAL.....	274,500	134,162	237,000	234,877	367,700	66,307
SPECIES	SPEARS		DREDGES			
			CLAMS		OYSTER, COMMON	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
FLOUNDERS, UNCLASSIFIED.....	29,300	15,586	-	-	-	-
CLAMS, HARD, PUBLIC.....	-	-	114,300	139,989	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING.....	-	-	-	-	128,400	121,975
FALL.....	-	-	-	-	10,100	11,445
PRIVATE:						
SPRING.....	-	-	-	-	77,300	73,586
FALL.....	-	-	-	-	600	841
TOTAL.....	29,300	15,586	114,300	139,989	216,400	207,847
SPECIES	DREDGES - CONTINUED		TONGS AND GRABS, OYSTER		RAKES	
	SCALLOP, BAY				OYSTER	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
OYSTERS, MARKET:						
PUBLIC:						
SPRING.....	-	-	9,900	10,817	34,400	31,330
FALL.....	-	-	2,000	2,740	16,700	14,431
PRIVATE:						
SPRING.....	-	-	25,900	25,020	12,600	11,999
FALL.....	-	-	21,900	24,834	17,000	17,019
SCALLOPS, BAY.....	257,000	509,255	-	-	-	-
TOTAL.....	257,000	509,255	58,700	63,211	80,700	74,779
SPECIES	RAKES - CONTINUED				BY HAND, OYSTER	
	OTHER					
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
CLAMS, HARD, PUBLIC.....	79,300	108,887	-	-	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING.....	-	-	-	4,600	3,945	
FALL.....	-	-	-	1,400	996	
PRIVATE, FALL.....	3,000	2,803	-	-	-	-
TOTAL.....	82,300	111,690	-	-	6,000	4,941

SOUTH CAROLINA OPERATING UNITS BY GEAR, 1977

ITEM	HAUL SEINES, COMMON	OTTER TRAWLS			FYKE AND HOOP NETS, FISH	POTS AND TRAPS CRAB, BLUE
		CRAB	FISH	SHRIMP		
NUMBER						
FISHERMEN:						
ON VESSELS	-	5	3	737	-	-
ON BOATS AND SHORE:						
FULL-TIME	-	-	-	72	-	206
PART-TIME	60	-	-	236	3	252
TOTAL	60	5	3	1,045	3	458
VESSELS, MOTOR	-	2	1	315	-	-
GROSS TONNAGE	-	138	93	13,790	-	-
BOATS, MOTOR	10	-	-	253	3	339
GEAR	17	4	2	876	18	20,290

ITEM	POTS AND TRAPS - CONTD	GILL NETS			LINES		
		FISH	ANCHOR, SET, OR STAKE	DRIFT		HAND	TROLL
				SHAD	OTHER		
NUMBER							
FISHERMEN:							
ON VESSELS	26	-	-	-	21	-	
ON BOATS AND SHORE:							
FULL-TIME	40	-	-	-	-	-	
PART-TIME	20	40	29	1	30	13	
TOTAL	86	40	29	1	51	13	
VESSELS, MOTOR	12	-	-	-	8	-	
GROSS TONNAGE	552	-	-	-	438	-	
BOATS, MOTOR	40	25	29	1	15	6	
GEAR	1,039	33	29	1	64	14	

ITEM	LINES - CONTINUED		DIP NETS, DROP	CAST NETS	SPEARS	DREDGES, CLAM
	LONG OR SET WITH HOOKS	TROT WITH BAITS				
NUMBER						
FISHERMEN:						
ON VESSELS	3	-	-	-	-	-
ON BOATS AND SHORE:						
FULL-TIME	-	-	-	-	-	7
PART-TIME	-	10	25	2	1	32
TOTAL	3	10	25	2	1	39
VESSELS, MOTOR	1	-	-	-	-	-
GROSS TONNAGE	99	-	-	-	-	-
BOATS, MOTOR	-	10	14	2	1	13
GEAR	1	10	25	2	1	13

ITEM	RAKES		BY HAND, OYSTER	TOTAL, EXCLUSIVE OF DUPLICATION
	OYSTER	OTHER		
NUMBER				
FISHERMEN:				
ON VESSELS	-	-	-	742
ON BOATS AND SHORE:				
FULL-TIME	137	-	-	312
PART-TIME	73	54	9	523
TOTAL	210	54	9	1,577
VESSELS, MOTOR	-	-	-	317
GROSS TONNAGE	-	-	-	13,870
BOATS:				
MOTOR	177	54	9	706
OTHER	31	-	-	31
GEAR	210	54	-	-

SOUTH ATLANTIC FISHERIES

SOUTH CAROLINA - LANDINGS OF CATCH BY GEAR, 1977

SPECIES	HAUL SEINES, COMMON		OTTER TRAWLS			
			CRAB		FISH	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
AMBERJACK	-	-	-	-	200	24
BLUEFISH	10,000	1,500	-	-	-	-
FLOUNDERS, UNCLASSIFIED	-	-	-	-	100	18
GROUPERS	-	-	-	-	37,700	21,841
GRUNTS	-	-	-	-	400	160
MULLET, BLACK (LISA)	1,080,000	144,750	-	-	-	-
SCUP OR PORGY	-	-	-	-	53,500	22,297
SEA BASS, BLACK	-	-	-	-	7,700	2,339
SHARKS, UNCLASSIFIED	-	-	-	-	600	106
SNAPPERS:						
RED	-	-	-	-	20,800	36,188
VERMILION	-	-	-	-	7,500	10,489
UNCLASSIFIED	-	-	-	-	3,900	3,142
SPOT	286,500	57,450	-	-	-	-
TILEFISH	-	-	-	-	100	7
UNCLASSIFIED	-	-	-	-	1,900	659
CRABS, BLUE, HARD	-	-	900	230	-	-
TOTAL	1,376,500	203,700	900	230	134,400	97,270

SPECIES	OTTER TRAWLS - CONTINUED		FYKE AND HOOP NETS, FISH		POTS AND TRAPS	
	SHRIMP				CRAB, BLUE	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
CROAKER	100	21	-	-	-	-
DRUM, RED	100	38	-	-	-	-
EELS, COMMON	-	-	500	1,370	-	-
FLOUNDERS, UNCLASSIFIED	14,100	5,719	-	-	-	-
KING WHITING OR "KINGFISH"	19,600	3,907	-	-	-	-
MACKEREL:						
KING	100	79	-	-	-	-
SPANISH	100	17	-	-	-	-
POMPANO	100	33	-	-	-	-
SCUP OR PORGY	200	119	-	-	-	-
SEA BASS, BLACK	200	48	-	-	-	-
SEA TROUT OR WEAKFISH, SPOTTED	100	40	-	-	-	-
SHARKS, UNCLASSIFIED	4,800	948	-	-	-	-
SPOT	5,800	975	-	-	-	-
CRABS, BLUE, HARD	2,100	503	-	-	7,323,800	1,562,952
SHRIMP	4,282,800	5,814,905	-	-	-	-
OCTOPUS	900	301	-	-	-	-
SQUID	12,200	2,990	-	-	-	-
TOTAL	4,343,300	5,830,643	500	1,370	7,323,800	1,562,952

SPECIES	POTS AND TRAPS - CONTINUED		GILL NETS			
	FISH		ANCHOR, SET, OR STAKE		DRIFT	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BLUEFISH	-	-	300	32	-	-
CATFISH AND BULLHEADS	450,000	108,750	-	-	-	-
CROAKER	-	-	500	89	-	-
DRUM:						
BLACK	-	-	300	91	-	-
RED	-	-	700	223	-	-
EELS, COMMON	13,200	2,900	-	-	-	-
FLOUNDERS, UNCLASSIFIED	-	-	2,200	800	-	-
KING WHITING OR "KINGFISH"	-	-	200	57	-	-
MULLET, BLACK (LISA)	-	-	2,400	429	-	-
SCUP OR PORGY	400	176	-	-	-	-
SEA BASS, BLACK	4,600	1,798	-	-	-	-
SEA TROUT OR WEAKFISH, SPOTTED	-	-	500	190	-	-
SHAD	-	-	20,200	11,089	59,400	42,503
SHARKS, UNCLASSIFIED	-	-	100	19	-	-
SNAPPER, VERMILION	100	68	-	-	-	-
SPOT	-	-	2,300	572	-	-
STURGEON, COMMON	-	-	114,800	25,892	-	-
UNCLASSIFIED	-	-	100	7	-	-
TOTAL	468,300	113,692	144,600	39,490	59,400	42,503

(CONTINUED ON NEXT PAGE)

SOUTH CAROLINA - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	GILL NETS - CONTINUED		LINES			
	DRIFT - CONTINUED		HAND		TROLL	
	OTHER					
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BLUEFISH.....	-	-	100	27	-	-
DOLPHINFISH.....	-	-	-	-	2,900	1,046
DRUM, BLACK.....	-	-	4,800	1,680	-	-
GROUPERS.....	-	-	314,700	182,863	-	-
GRUNTS.....	-	-	200	16	-	-
MACKEREL, KING.....	-	-	-	-	6,800	3,345
MULLET, BLACK (LISA).....	100	33	-	-	-	-
SCUP OR PORGY.....	-	-	114,800	50,066	-	-
SEA BASS, BLACK.....	-	-	4,200	1,480	-	-
SHARKS, UNCLASSIFIED.....	-	-	800	141	-	-
SNAPPERS:						
RED.....	-	-	54,400	97,168	-	-
VERMILION.....	-	-	50,400	53,180	-	-
UNCLASSIFIED.....	-	-	50,600	65,098	-	-
TILEFISH.....	-	-	18,600	4,916	-	-
UNCLASSIFIED.....	-	-	11,100	2,738	-	-
TOTAL.....	100	33	622,700	459,373	9,700	4,391

SPECIES	LINES - CONTINUED				DIP NETS, DROP	
	LONG OR SET WITH HOOKS		TROT WITH BAITS			
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ALEWIVES.....	-	-	-	-	323,400	21,459
UNCLASSIFIED.....	45,200	67,830	-	-	-	-
CRABS, BLUE, HARD.....	-	-	6,500	1,111	-	-
TOTAL.....	45,200	67,830	6,500	1,111	323,400	21,459

SPECIES	CAST NETS		SPEARS		DREDGES, CLAM	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
	FLOUNDERS, UNCLASSIFIED.....	-	-	100	49	-
MULLET, BLACK (LISA).....	300	120	-	-	-	-
CLAMS, HARD, PUBLIC.....	-	-	-	-	147,400	190,164
TOTAL.....	300	120	100	49	147,400	190,164

SPECIES	RAKES				BY HAND, OYSTER	
	OYSTER		OTHER			
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
CLAMS, HARD, PUBLIC.....	-	-	29,300	38,478	-	-
OYSTERS MARKET, PRIVATE:						
SPRING.....	774,400	506,802	-	-	-	-
FALL.....	500,600	355,852	-	-	8,600	6,274
TOTAL.....	1,275,000	862,654	29,300	38,478	8,600	6,274

GEORGIA OPERATING UNITS BY GEAR, 1977

ITEM	OTTER TRAWLS		POT AND TRAPS		GILL NETS	
	FISH	SHRIMP	CRAB, BLUE	FISH	ANCHOR, SET, OR STAKE	DRIFT, SHAD
	NUMBER					
FISHERMEN:						
ON VESSELS.....	13	787	-	2	-	-
ON BOATS AND SHORE:						
FULL-TIME.....	-	152	154	-	8	37
PART-TIME.....	-	212	144	22	31	94
TOTAL.....	13	1,151	298	24	39	131
VESSELS, MOTOR.....	8	338	-	1	-	-
GROSS TONNAGE.....	327	15,976	-	13	-	-
BOATS:						
MOTOR.....	-	223	220	19	35	117
OTHER.....	-	-	-	-	-	18
GEAR.....	12	905	14,025	192	35	163

(CONTINUED ON NEXT PAGE)

SOUTH ATLANTIC FISHERIES

GEORGIA - OPERATING UNITS BY GEAR, 1977 - Continued

ITEM	LINES			CAST NETS	BY HAND, OYSTER	TOTAL, EXCLUSIVE OF DUPLICATION
	HAND	TROLL	LONG OR SET WITH HOOKS			
	NUMBER					
FISHERMEN:						
ON VESSELS	10	2	-	-	-	800
ON BOATS AND SHORE:						
FULL-TIME	4	-	5	-	31	247
PART-TIME	31	2	54	6	32	427
TOTAL	45	4	59	6	63	1,474
VESSELS, MOTOR	5	1	-	-	-	344
GROSS TONNAGE	125	49	-	-	-	16,233
BOATS:						
MOTOR	22	1	49	6	53	529
OTHER	-	-	-	-	6	24
GEAR	89	4	189	6	-	-

GEORGIA - LANDINGS OF CATCH BY GEAR, 1977

SPECIES	OTTER TRAWLS				POTS AND TRAPS	
	FISH		SHRIMP		CRAB, BLUE	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
CROAKER	-	-	6,400	1,342	-	-
DRUM, RED	-	-	600	280	-	-
FLOUNDERS, UNCLASSIFIED	-	-	82,200	28,282	-	-
GROUPERS	22,100	11,768	-	-	-	-
KING WHITING OR "KINGFISH"	-	-	161,600	37,513	-	-
MACKEREL, SPANISH	-	-	1,800	440	-	-
SCUP OR PORGY	110,000	64,315	-	-	-	-
SEA BASS, BLACK	500	302	-	-	-	-
SEA TROUT OR WEAKFISH, SPOTTED	-	-	11,700	6,198	-	-
SNAPPER:						
RED	2,700	5,495	-	-	-	-
UNCLASSIFIED	3,600	3,609	-	-	-	-
SPOT	-	-	7,100	1,446	-	-
TILEFISH	100	42	-	-	-	-
CRABS, BLUE HARD	-	-	331,200	58,259	7,390,300	1,573,833
SHRIMP	-	-	4,594,600	6,842,002	-	-
SQUID	-	-	100	30	-	-
TOTAL	139,000	85,531	5,197,300	6,975,772	7,390,300	1,573,833
SPECIES	POTS AND TRAPS - CONTD		GILL NETS			
	FISH		ANCHOR, SET, OR STAKE		DRIFT, SHAD	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
CARP	-	-	300	40	400	44
CATFISH AND BULLHEADS	14,200	8,051	1,300	695	1,100	551
DRUM, RED	-	-	-	-	500	259
EELS, COMMON	700	165	-	-	-	-
HICKORY SHAD	-	-	400	191	800	438
SCUP OR PORGY	4,100	1,024	-	-	-	-
SEA BASS, BLACK	4,700	1,858	-	-	-	-
SEA TROUT OR WEAKFISH:						
GRAY	-	-	-	-	600	180
SPOTTED	-	-	400	233	900	514
SHAD	-	-	45,200	31,502	72,700	52,910
STURGEON, COMMON	-	-	500	227	2,300	957
TOTAL	23,700	11,098	48,100	32,888	79,300	55,853

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SOUTH ATLANTIC FISHERIES

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GEORGIA - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	LINES					
	HAND		TROLL		LONG OR SET WITH HOOKS	
	<u>POUNDS</u>	<u>DOLLARS</u>	<u>POUNDS</u>	<u>DOLLARS</u>	<u>POUNDS</u>	<u>DOLLARS</u>
AMBERJACK	2,800	557	-	-	-	-
BLUEFISH	-	-	600	162	-	-
CABIO	100	23	-	-	-	-
CARP	-	-	-	-	300	61
CATFISH AND BULLHEADS	-	-	-	-	58,500	32,563
CROAKER	600	264	-	-	-	-
DRUM:						
BLACK	1,000	257	-	-	-	-
RED	3,900	1,485	-	-	-	-
EELS, COMMON	-	-	-	-	1,700	424
GROUPERS	88,100	52,319	-	-	-	-
GRUNTS	400	83	-	-	-	-
MACKEREL, KING	-	-	4,400	2,309	-	-
SCUP OR PORGY	21,000	8,495	-	-	-	-
SEA BASS, BLACK	2,900	1,714	-	-	-	-
SEA TROUT OR WEAKFISH:						
GRAY	300	63	-	-	-	-
SPOTTED	3,000	1,572	-	-	-	-
SHEEPSHEAD, SALTWATER	200	68	-	-	-	-
SNAPPER:						
RED	68,600	119,168	-	-	-	-
VERMILION	7,400	8,721	-	-	-	-
UNCLASSIFIED	5,500	9,420	-	-	-	-
TILEFISH	100	13	-	-	-	-
UNCLASSIFIED	2,000	485	-	-	26,300	46,001
TOTAL	207,900	204,707	5,000	2,471	86,800	79,049

SPECIES	CAST NETS		BY HAND, OYSTER	
	<u>POUNDS</u>	<u>DOLLARS</u>	<u>POUNDS</u>	<u>DOLLARS</u>
MULLET, BLACK (LISA)	7,700	2,454	-	-
OYSTERS, MARKET, PRIVATE:				
SPRING	-	-	72,100	62,002
FALL	-	-	15,200	13,007
TOTAL	7,700	2,454	87,300	75,009

SOUTH ATLANTIC FISHERIES

FLORIDA, EAST COAST OPERATING UNITS BY GEAR, 1977

ITEM	HAUL SEINES, COMMON	PURSE SEINES	LAMPARA NETS	OTTER TRAWLS		
				FISH	SCALLOP	SHRIMP
NUMBER						
FISHERMEN:						
ON VESSELS	-	32	-	-	48	423
ON BOATS AND SHORE:						
FULL-TIME	76	13	4	125	-	42
PART-TIME	24	-	2	70	-	7
TOTAL	100	45	6	195	48	472
VESSELS, MOTOR	-	2	-	-	14	177
GROSS TONNAGE	-	348	-	-	1,314	11,658
BOATS, MOTOR	40	8	3	195	-	31
GEAR	25	4	3	195	28	385
POTS AND TRAPS						
ITEM	FYKE AND HOOP NETS, FISH	CRAB		EEL	FISH	LOBSTER, SPINY
		BLUE	OTHER			
		NUMBER				
FISHERMEN:						
ON VESSELS	-	-	21	-	-	105
ON BOATS AND SHORE:						
FULL-TIME	41	92	3	78	110	135
PART-TIME	-	17	5	-	-	21
TOTAL	41	109	29	78	110	261
VESSELS, MOTOR	-	-	7	-	-	34
GROSS TONNAGE	-	-	162	-	-	938
BOATS, MOTOR	41	109	8	78	90	79
GEAR	2,810	12,125	3,470	8,890	4,000	47,180
GILL NETS						
ITEM	GILL NETS			TRAMMEL NETS	LINES	
	ANCHOR, SET, OR STAKE	DRIFT, SHAD	RUNAROUND		HAND	TROLL
NUMBER						
FISHERMEN:						
ON VESSELS	-	-	131	-	254	56
ON BOATS AND SHORE:						
FULL-TIME	8	-	431	4	478	375
PART-TIME	-	2	96	-	570	108
TOTAL	8	2	658	4	1,302	539
VESSELS, MOTOR	-	-	34	-	86	30
GROSS TONNAGE	-	-	720	-	1,770	491
BOATS:						
MOTOR	3	1	322	2	720	380
OTHER	-	-	-	-	10	-
GEAR	3	1	356	2	1,267	524
LINES - CONTINUED						
ITEM	LINES - CONTINUED	CAST NETS	TONGS, OYSTER	HOOKS, SPONGE		
	LONG OR SET WITH HOOKS					
NUMBER						
FISHERMEN:						
ON VESSELS	20	-	-	-	-	-
ON BOATS AND SHORE:						
FULL-TIME	370	25	-	-	-	14
PART-TIME	81	49	-	7	-	-
TOTAL	471	74	-	7	-	14
VESSELS, MOTOR	3	-	-	-	-	-
GROSS TONNAGE	335	-	-	-	-	-
BOATS, MOTOR	398	68	-	7	-	15
GEAR	2,929	74	-	7	-	29

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

FLORIDA, EAST COAST - OPERATING UNITS BY GEAR, 1977 - Continued

ITEM	DIVING OUTFITS	BY HAND		TOTAL, EXCLUSIVE OF DUPLICATION
		OYSTER	OTHER	
NUMBER				
FISHERMEN:				
ON VESSELS	13	-	-	895
ON BOATS AND SHORE:				
FULL-TIME	-	54	39	1,895
PART-TIME	-	40	79	1,099
TOTAL	13	94	118	3,889
VESSLES, MOTOR	4	-	-	329
GROSS TONNAGE	114	-	-	16,364
BOATS:				
MOTOR	-	75	74	2,196
OTHER	-	-	-	10
GEAR	4	-	-	-

NOTE:—INCLUDES OPERATING UNITS FOR THE INLAND LAKES OF FLORIDA.

FLORIDA EAST COAST - LANDINGS OF CATCH BY GEAR, 1977

SPECIES	HAUL SEINES, COMMON		PURSE SEINES		LAMPARA NETS	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BALLYHOO	-	-	-	-	142,400	53,483
BLUEFISH	32,800	8,445	-	-	-	-
CATFISH AND BULLHEADS	206,000	65,920	-	-	-	-
CREVALLE	6,800	472	-	-	-	-
CROAKER	4,800	1,809	-	-	-	-
DRUM:						
BLACK	11,200	1,777	-	-	-	-
RED	8,700	4,008	-	-	-	-
FLOUNDERS, UNCLASSIFIED	11,400	4,627	-	-	-	-
HERRING, THREAD	50,000	3,246	-	-	-	-
KING WHITING OR "KINGFISH"	76,700	19,203	-	-	-	-
MACKEREL, SPANISH	1,100	210	-	-	-	-
MULLET:						
BLACK (LISA)	24,100	4,220	-	-	-	-
SILVER	24,400	3,715	-	-	-	-
POMPANO	2,300	3,362	-	-	-	-
SEA TROUT OR WEAKFISH:						
GRAY	9,500	2,821	-	-	-	-
SPOTTED	11,300	5,987	-	-	-	-
SHEEPSHEAD, SALTWATER	6,900	1,117	-	-	-	-
SPOT	11,800	2,333	-	-	-	-
TILAPIA	300,000	42,000	-	-	-	-
UNCLASSIFIED	1,656,500	826,173	12,238,200	269,241	-	-
TOTAL	2,456,300	1,001,245	12,238,200	269,241	142,400	53,483

SPECIES	OTTER TRAWLS					
	FISH		SCALLOP		SHRIMP	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BLUEFISH	-	-	-	-	22,300	3,039
CATFISH AND BULLHEADS	1,890,000	617,154	-	-	14,700	5,563
CROAKER	-	-	-	-	2,100	726
FLOUNDERS, UNCLASSIFIED	-	-	-	-	169,300	66,442
KING WHITING OR "KINGFISH"	-	-	-	-	460,800	118,070
SEA CATFISH	-	-	-	-	2,200	525
SEA TROUT OR WEAKFISH:						
GRAY	-	-	-	-	19,400	5,431
SPOTTED	-	-	-	-	2,800	1,475
SPOT	-	-	-	-	2,900	565
STURGEON, COMMON	-	-	-	-	100	20
UNCLASSIFIED	3,350,000	1,675,000	-	-	66,300	6,275
CRABS, BLUE, HARD	-	-	-	-	29,900	8,680
LOBSTERS, SPINY	-	-	-	-	4,500	7,950
SHRIMP	-	-	-	-	3,543,000	4,451,452
SCALLOPS, CALICO	-	-	635,700	503,237	-	-
SQUID	-	-	-	-	11,300	2,148
TOTAL	5,240,000	2,292,154	635,700	503,237	4,351,600	4,678,361

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SOUTH ATLANTIC FISHERIES

FLORIDA, EAST COAST - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	FYKE AND HOOP NETS, FISH		POTS AND TRAPS			
			CRAB			
			BLUE		OTHER	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
EELS, COMMON	200,000	100,000	-	-	-	-
CRABS:						
BLUE:						
HARD	-	-	3,389,300	788,115	5,200	2,419
SOFT AND PEELER	-	-	200	206	-	-
STONE	-	-	1,700	1,202	24,000	23,347
TOTAL	200,000	100,000	3,391,200	789,523	29,200	25,766

SPECIES	POTS AND TRAPS - CONTINUED					
	EEL		FISH		LOBSTER, SPINY	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
CATFISH AND BULLHEADS	-	-	2,000,000	840,000	-	-
EELS, COMMON	233,300	151,308	-	-	-	-
LOBSTERS, SPINY	-	-	-	-	1,350,500	2,272,623
TOTAL	233,300	151,308	2,000,000	840,000	1,350,500	2,272,823

SPECIES	GILL NETS					
	ANCHOR, SET, OR STAKE		DRIFT, SHAD		RUNAROUND	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ALEWIVES	-	-	-	-	800	82
ANGELFISH	-	-	-	-	1,400	205
BLUEFISH	-	-	-	-	1,114,800	167,759
BLUE RUNNER	-	-	-	-	19,300	2,419
CREVALLE	-	-	-	-	57,600	4,506
CROAKER	2,100	726	-	-	36,000	11,483
DRUM:						
BLACK	-	-	-	-	84,700	9,503
RED	-	-	-	-	72,600	28,041
FLOUNDERS, UNCLASSIFIED	-	-	-	-	900	368
GOATFISH	-	-	-	-	103,400	41,665
KING WHITING OR "KINGFISH"	-	-	-	-	173,900	40,589
MACKEREL:						
KING	-	-	-	-	1,204,300	574,374
SPANISH	-	-	-	-	10,665,400	1,947,459
MOJARRA	-	-	-	-	109,400	13,078
MULLET:						
BLACK (LISA)	-	-	-	-	2,731,400	482,640
SILVER	-	-	-	-	117,200	20,768
PIGFISH	-	-	-	-	2,300	354
POMPANO	-	-	-	-	357,900	563,422
SEA BASS, BLACK	-	-	-	-	5,400	2,105
SEA CATFISH	-	-	-	-	41,000	1,996
SEA TROUT OR WEAKFISH:						
GRAY	800	229	-	-	44,600	10,303
SPOTTED	600	321	-	-	421,900	208,801
SHAD	92,000	51,496	4,800	2,710	-	-
SHEEPSHEAD, SALTWATER	-	-	-	-	63,100	11,825
SNAPPER, MANGROVE	-	-	-	-	1,700	1,163
SPOT	-	-	-	-	974,400	173,164
TENPOUNDER	-	-	-	-	47,000	2,255
UNCLASSIFIED	-	-	-	-	754,200	54,467
TOTAL	95,560	52,772	4,800	2,710	19,186,400	4,372,774

SPECIES	TRAMMEL NETS		LINES			
			HAND		TROLL	
			POUNDS	DOLLARS	POUNDS	DOLLARS
AMBERJACK	-	-	45,100	5,160	18,200	1,925
ANGELFISH	-	-	2,800	211	-	-
BARRACUDA	-	-	-	-	3,600	431
BLUEFISH	-	-	35,900	5,462	167,300	24,634
BLUE RUNNER	-	-	1,700	254	1,600	264
BONITO	-	-	500	50	17,300	1,277
CABIO	-	-	5,600	2,250	4,300	1,624
CATFISH AND BULLHEADS	-	-	3,100	1,276	-	-

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

FLORIDA, EAST COAST - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	TRAMMEL NETS		LINES			
			HAND		TROLL	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
CREVALLE	900	56	24,000	2,006	2,800	265
CROAKER	-	-	4,500	1,465	-	-
DOLPHINFISH	-	-	4,000	1,700	64,500	25,714
DRUM:						
BLACK	-	-	52,100	8,549	-	-
RED	1,900	652	20,300	7,783	-	-
FLOUNDERS, UNCLASSIFIED	-	-	3,600	1,751	-	-
GROUPEFS	-	-	803,700	503,756	-	-
GRUNTS	-	-	34,300	6,122	-	-
HOGFISH	-	-	11,400	6,977	-	-
JEWFISH	-	-	50,800	20,708	-	-
KING WHITING OR "KINGFISH"	-	-	6,800	1,499	600	307
MACKEREL:						
KING	-	-	54,500	28,167	2,655,900	1,280,726
SPANISH	-	-	14,100	2,542	306,700	55,671
MOJARRA	-	-	1,500	198	-	-
PERMIT	-	-	15,500	3,595	-	-
POMPANO	36,100	52,538	48,100	75,433	-	-
SCUP OR PORGY	-	-	133,000	59,983	-	-
SEA BASS, BLACK	-	-	65,800	24,962	-	-
SEA CATFISH	2,800	140	3,200	158	-	-
SEA TROUT OR WEAFFISH:						
GRAY	-	-	10,500	1,984	10,100	1,525
SPOTTED	8,900	4,406	42,900	21,636	5,500	2,632
SHARKS, UNCLASSIFIED	-	-	11,400	1,527	-	-
SHEEPSHEAD, SALTWATER	2,800	575	175,000	29,319	-	-
SNAPPERS:						
LANE	-	-	20,700	12,917	-	-
MANGROVE	-	-	99,300	73,745	-	-
MUTTON	-	-	179,900	185,128	-	-
RED	-	-	479,300	787,970	-	-
VERMILION	-	-	147,500	161,122	-	-
YELLOWTAIL	-	-	46,400	42,987	-	-
SPOT	-	-	39,900	7,259	-	-
SWORDFISH	-	-	1,500	1,829	-	-
TILEFISH	-	-	47,800	22,291	-	-
TRIGGERFISH	-	-	20,700	4,576	-	-
TRIPLETAIL	-	-	9,400	1,833	-	-
WAHOO	-	-	5,600	2,532	800	394
WARSAW	-	-	21,200	10,047	-	-
UNCLASSIFIED	-	-	41,500	7,810	5,300	568
SQUID	-	-	300	94	-	-
TOTAL	53,400	58,367	2,846,700	2,148,623	3,264,500	1,397,957

SPECIES	LINES - CONTINUED		CAST NETS		TONGS, OYSTER	
	LONG OR SET WITH HOOKS					
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
CATFISH AND BULLHEADS	6,849,500	2,196,420	-	-	-	-
MULLET, BLACK (LISA)	-	-	33,600	6,090	-	-
SHARKS, UNCLASSIFIED	33,000	3,696	-	-	-	-
SPANISH SARDINE	-	-	1,000	104	-	-
SWORDFISH	111,900	170,271	-	-	-	-
TILAPIA	-	-	800,000	112,000	-	-
UNCLASSIFIED	-	-	11,800	1,260	-	-
OYSTERS, MARKET, PUBLIC:						
SPRING	-	-	-	-	8,800	9,928
FALL	-	-	-	-	200	251
TURTLES, SOFT-SHELL	15,000	3,000	-	-	-	-
TOTAL	7,009,400	2,373,387	846,400	119,454	9,000	10,179

SPECIES	HOOKS, SPONGE		DIVING OUTFITS	
	POUNDS	DOLLARS	POUNDS	DOLLARS
	LOBSTERS, SPINY	-	-	144,900	244,038
SPONGES:				
GRASS	3,400	9,243	-	-
SHEEPSWOOL	7,400	55,446	-	-
YELLOW	4,400	13,673	-	-
TOTAL	15,200	78,362	144,900	244,038

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SOUTH ATLANTIC FISHERIES

FLORIDA, EAST COAST - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	BY HAND			
	OYSTER		OTHER	
	POUNDS	DOLLARS	POUNDS	DOLLARS
LOBSTERS, SPINY	-	-	800	1,403
CLAMS, HARD, PUBLIC	-	-	148,000	205,172
CONCHS	-	-	400	520
OYSTERS, MARKET, PUBLIC:				
SPRING	48,600	52,559	-	-
FALL	68,300	76,543	-	-
TOTAL	116,900	129,102	149,200	207,095

NOTE.—INCLUDES LANDINGS FOR THE INLAND LAKES OF FLORIDA.

SUPPLEMENTARY TABLES
FLORIDA - OPERATING UNITS BY DISTRICTS, 1977

ITEM	EAST COAST	WEST COAST	TOTAL, EXCLUSIVE OF DUPLICATION
			NUMBER
FISHERMEN:			
ON VESSELS:			
FULL-TIME	895	4,750	5,645
PART-TIME	-	252	252
ON BOAT AND SHORE:			
FULL-TIME	1,895	2,543	4,438
PART-TIME	1,099	2,272	3,371
TOTAL	3,889	9,817	13,706
VESSLS, MOTOR	329	1,849	2,178
GROSS TONNAGE	16,364	97,733	114,097
BOATS:			
MOTOR	2,196	3,429	5,625
OTHER	10	8	18
GEAR:			
HAUL SEINES, COMMON	25	56	81
PURSE SEINES	4	9	13
LAMPARA NETS	3	-	3
OTTER TRAWLS:			
FISH	195	20	215
SCALLOP	28	58	86
SHRIMP	385	2,532	2,917
FYKE AND HOOP NETS, FISH	2,810	-	2,810
POTS AND TRAPS:			
CRAB:			
BLUE	12,125	42,770	54,895
OTHER	3,470	266,985	270,455
EEL	8,890	-	8,890
FISH	4,000	840	4,840
LOBSTER, SPINY	47,160	407,950	455,110
GILL NETS:			
ANCHOR, SET, OR STAKE	3	1	4
DRIFT, SHAD	1	-	1
RUNAROUND	356	1,137	1,493
TRAMMEL NETS	2	488	490
LINES:			
HAND	1,267	3,932	5,199
TROLL	524	1,199	1,723
LONG OR SET WITH HOOKS	2,929	46	2,975
DIP NETS, COMMON	-	11	11
CAST NETS	74	33	107
SPEARS	-	56	56
DREDGES, SCALLOP, BAY	-	69	69
TONGS, OYSTER	7	601	608
HOOKS:			
SPONGE	29	3	32
OTHER	-	3	3
DIVING OUTFITS:			
SPONGE	-	6	6
OTHER	4	-	4

NOTE.—OPERATING UNITS FOR THE INLAND LAKES OF FLORIDA ARE INCLUDED WITH THE DATA FOR THE EAST COAST OF FLORIDA.

FLORIDA - LANDINGS BY DISTRICTS, 1977

SPECIES	EAST COAST		WEST COAST		TOTAL	
	THOUSAND	THOUSAND	THOUSAND	THOUSAND	THOUSAND	THOUSAND
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ALEWIVES.....	1	(1)	1	(1)	2	(1)
AMBERJACK.....	63	7	131	15	194	22
ANGELFISH.....	4	1	5	(1)	9	1
BALLYHOO.....	142	53	175	53	317	106
BARRACUDA.....	4	1	(1)	(1)	4	1
BLUEFISH.....	1,373	209	902	103	2,275	312
BLUE RUNNER.....	23	3	1,348	164	1,371	167
BONITO.....	18	1	294	23	312	24
CABIO.....	10	4	80	19	90	23
CATFISH AND BULLHEADS.....	10,963	3,526	40	16	11,003	3,542
CIGARFISH.....	-	-	903	129	903	129
CF VALLE.....	92	7	1,407	115	1,499	122
COAKER.....	50	16	777	138	827	154
DOLPHINFISH.....	69	27	64	21	133	48
DRUM:						
BLACK.....	128	20	20	3	148	23
RED.....	104	39	845	242	949	281
EELS, COMMON.....	433	251	-	-	433	251
FLOUNDERS, UNCLASSIFIED.....	185	73	271	110	456	183
GOATFISH.....	103	42	1	1	104	43
GROUPERS.....	804	504	5,022	3,025	5,826	3,529
GRUNTS.....	34	6	165	28	199	34
HERRING, THREAD.....	50	3	190	9	240	12
HOGFISH.....	11	7	33	10	44	17
JEWFISH.....	51	21	200	36	251	57
KING WHITING OR "KINGFISH".....	719	180	48	6	767	186
MACKEREL:						
KING.....	3,915	1,883	5,217	1,769	9,132	3,652
SPANISH.....	10,987	2,006	2,393	457	13,380	2,463
MOJARRA.....	111	13	202	32	313	45
MULLET:						
BLACK (LISA).....	2,789	493	18,806	3,691	21,595	4,184
SILVER.....	142	25	524	99	666	124
PERMIT.....	16	4	62	22	78	26
PIGFISH.....	2	(1)	6	1	8	1
POMPANO.....	444	695	915	1,375	1,359	2,070
SCUP OR PORGY.....	133	60	121	37	254	97
SEA BASS, BLACK.....	71	27	33	7	104	34
SEA CATFISH.....	49	3	29	2	78	5
SEA TROUT OR WEAKFISH:						
GRAY.....	95	22	-	-	95	22
SPOTTED.....	494	245	1,932	987	2,426	1,232
WHITE.....	-	-	168	36	168	36
SHAD.....	97	54	-	-	97	54
SHARKS, UNCLASSIFIED.....	44	5	159	14	203	19
SHEEPSHEAD, SALTWATER.....	248	43	240	40	488	83
SNAPPERS:						
LANE.....	21	13	15	6	36	19
MANGROVE.....	101	75	625	275	726	350
MUTTON.....	180	185	189	134	369	319
RED.....	479	788	2,861	3,246	3,340	4,034
VERMILION.....	148	161	480	417	628	578
YELLOWTAIL.....	46	43	782	669	808	712
SPANISH SARDINES.....	1	(1)	947	70	948	70
SPOT.....	1,029	183	48	7	1,077	190
STURGEON, COMMON.....	(1)	(1)	13	4	13	4
SWORDFISH.....	113	172	2	2	115	174
TENPOUNDER.....	47	2	1,580	67	1,627	69
TILAPIA.....	1,100	154	10	2	1,110	156
TILEFISH.....	48	22	97	35	145	57
TRIGGERFISH.....	21	5	60	9	81	14
TRIPLETAIL.....	9	2	4	(1)	13	2
WAHOO.....	6	3	1	(1)	7	3
WARSAW.....	21	10	184	63	205	73
UNCLASSIFIED.....	18,124	2,841	2,766	298	20,890	3,139
TOTAL FISH.....	56,565	15,238	54,373	18,139	110,938	33,377

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SOUTH ATLANTIC FISHERIES

FLORIDA - LANDINGS BY DISTRICTS, 1977 - Continued

SPECIES	EAST COAST		WEST COAST		TOTAL	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
SHELLFISH ET AL.						
CRABS:						
BLUE:						
HARD	3,424	779	15,832	3,119	19,256	3,898
SOFT AND PEELER	(1)	(1)	-	-	(1)	(1)
STONE	26	25	3,428	3,046	3,454	3,071
TOTAL CRABS	3,450	804	19,260	6,165	22,710	6,969
LOBSTERS:						
SLIPPER	-	-	30	56	30	56
SPINY	1,501	2,526	4,843	7,899	6,344	10,425
SHRIMP	3,543	4,451	33,162	40,013	36,705	44,464
CLAMS, HARD, PUBLIC	148	205	1	1	149	206
CONCHS	1	1	-	-	1	1
OYSTERS, MARKET:						
PUBLIC:						
SPRING	57	63	1,677	1,220	1,734	1,283
FALL	15	17	2,272	1,658	2,287	1,675
PRIVATE:						
SPRING	40	45	90	65	130	110
FALL	14	15	33	24	47	39
TOTAL OYSTERS	126	140	4,072	2,967	4,198	3,107
SCALLOPS:						
BAY	-	-	46	58	46	58
CALICO	636	503	478	334	1,114	837
TOTAL SCALLOPS	636	503	524	392	1,160	895
SQUID	12	2	60	16	72	18
TURTLES, SOFT-SHELL	15	3	-	-	15	3
SPONGES:						
GRASS	3	9	2	5	5	14
SHEEPSWOL	7	55	6	71	13	126
YELLOW	4	14	1	4	5	18
TOTAL SHELLFISH ET AL..	9,446	8,713	61,961	57,589	71,407	66,302
GRAND TOTAL	66,011	23,951	116,334	75,728	182,345	99,679

(1) LESS THAN 500 POUNDS OR \$500.

NOTE:—LANDINGS TAKEN FROM THE INLAND LAKES ARE INCLUDED WITH THE EAST COAST OF FLORIDA. FOR THE PURPOSE OF THIS REPORT THE "EAST COAST OF FLORIDA" INCLUDES COASTAL COUNTIES FROM NASSAU TO DADE, INCLUSIVE, WHILE THE "WEST COAST OF FLORIDA" INCLUDES THOSE FROM MONROE TO ESCAMBIA, INCLUSIVE.

SOUTH ATLANTIC SHRIMP FISHERY SUMMARY OF SHRIMP LANDINGS, 1977

SIZE	BROWN		PINK		WHITE	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
UNDER 15.....	186	678	283	1,208	-	-
15 - 20.....	379,294	1,231,376	34,025	120,839	253,700	769,714
21 - 25.....	719,022	2,050,786	57,360	178,607	1,399,275	3,656,927
26 - 30.....	1,391,811	3,578,995	10,692	30,512	793,372	1,910,609
31 - 40.....	2,229,342	4,838,223	106,283	217,498	518,185	1,129,974
41 - 50.....	1,324,549	2,140,787	83,067	132,199	163,151	294,776
51 - 67.....	472,257	616,653	145,348	185,456	79,880	116,470
68 AND OVER.....	70,662	66,472	63,709	64,079	13,940	14,492
TOTAL.....	6,587,123	14,523,970	500,767	930,398	3,221,503	7,892,962

SIZE	ROYAL RED		ROCK		TOTAL	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
UNDER 15.....	-	-	-	-	469	1,886
15 - 20.....	-	-	-	-	667,019	2,121,929
21 - 25.....	2,479	8,847	-	-	2,178,136	5,895,167
26 - 30.....	4,097	13,410	-	-	2,199,972	5,533,526
31 - 40.....	7,342	18,836	-	-	2,861,152	6,204,531
41 - 50.....	4,636	7,770	-	-	1,575,403	2,575,532
51 - 67.....	1,104	1,705	-	-	698,589	920,284
68 AND OVER.....	-	-	1,003,480	949,541	1,151,791	1,094,584
TOTAL.....	19,658	50,568	1,003,480	949,541	11,332,531	24,347,439

SOUTH ATLANTIC SHRIMP LANDINGS, BY SPECIES AND SIZE, 1977

SPECIES AND SIZE	NORTH CAROLINA		SOUTH CAROLINA		GEORGIA	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BROWN:						
UNDER 15.....	-	-	89	303	-	-
15 - 20.....	319,899	1,019,752	44,913	157,991	4,338	16,019
21 - 25.....	398,564	1,094,763	180,239	519,634	72,793	220,355
26 - 30.....	800,970	1,990,225	248,498	682,044	228,861	594,299
31 - 40.....	785,025	1,480,798	686,180	1,599,580	578,332	1,313,169
41 - 50.....	529,644	774,656	649,248	1,119,182	104,914	167,987
51 - 67.....	237,626	287,772	198,320	276,915	1,933	2,579
68 AND OVER.....	33,360	36,104	29,964	20,649	-	-
TOTAL.....	3,105,088	6,684,070	2,037,451	4,376,298	991,171	2,314,408
PINK:						
15 - 20.....	-	-	953	3,423	-	-
21 - 25.....	-	-	9,570	26,505	-	-
26 - 30.....	590	1,770	4,992	12,728	-	-
31 - 40.....	91,690	179,863	4,703	10,296	1,770	5,947
41 - 50.....	76,822	122,350	2,610	4,650	2,426	2,426
51 - 67.....	139,130	176,166	5,202	7,502	-	-
68 AND OVER.....	61,938	61,938	1,591	1,871	-	-
TOTAL.....	370,170	542,087	29,621	66,975	4,196	8,373
WHITE:						
15 - 20.....	-	-	126,131	390,589	68,353	200,949
21 - 25.....	404	1,030	201,268	536,240	784,055	1,957,733
26 - 30.....	4,147	9,538	72,105	178,026	559,596	1,310,942
31 - 40.....	1,208	2,355	21,486	45,694	400,757	845,719
41 - 50.....	-	-	8,421	14,898	90,182	153,550
51 - 67.....	-	-	4,770	6,555	33,723	44,285
68 AND OVER.....	-	-	291	340	6,052	6,043
TOTAL.....	5,759	12,923	434,472	1,172,342	1,942,718	4,519,221
ROCK, 68 AND OVER, TOTAL.....	-	-	204,251	199,290	-	-
GRAND TOTAL.....	3,481,017	7,239,080	2,705,795	5,814,905	2,938,085	6,842,002

SEE NOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SOUTH ATLANTIC FISHERIES

SOUTH ATLANTIC SHRIMP LANDINGS, BY SPECIES AND SIZE, 1977 - Continued

SPECIES AND SIZE	FLORIDA, EAST COAST		TOTAL	
	POUNDS	DOLLARS	POUNDS	DOLLARS
BROWN:				
UNDER 15	97	375	186	678
15 — 20	10,144	37,614	379,294	1,231,376
21 — 25	67,426	216,034	719,022	2,050,786
26 — 30	113,482	312,427	1,391,811	3,578,995
31 — 40	179,805	444,676	2,229,342	4,838,223
41 — 50	40,743	78,962	1,324,549	2,140,787
51 — 67	34,378	49,387	472,257	616,653
68 AND OVER	7,338	9,719	70,662	66,472
TOTAL	453,413	1,149,194	6,587,123	14,523,970
PINK:				
UNDER 15	283	1,208	283	1,208
15 — 20	33,072	117,416	34,025	120,839
21 — 25	47,790	152,102	57,360	178,607
26 — 30	5,110	16,014	10,692	30,512
31 — 40	8,120	21,392	106,283	217,498
41 — 50	1,209	2,773	83,067	132,199
51 — 67	1,016	1,788	145,348	185,456
68 AND OVER	180	270	63,709	64,079
TOTAL	96,780	312,963	500,767	930,398
WHITE:				
15 — 20	59,216	178,176	253,700	769,714
21 — 25	413,548	1,161,924	1,399,275	3,656,927
26 — 30	157,524	412,103	793,372	1,910,609
31 — 40	94,734	236,206	518,185	1,129,974
41 — 50	64,548	126,328	163,151	294,776
51 — 67	41,387	65,630	79,880	116,470
68 AND OVER	7,597	8,109	13,940	14,492
TOTAL	838,554	2,188,476	3,221,503	7,892,962
ROYAL RED:				
21 — 25	2,479	8,847	2,479	8,847
26 — 30	4,097	13,410	4,097	13,410
31 — 40	7,342	18,836	7,342	18,836
41 — 50	4,636	7,770	4,636	7,770
51 — 67	1,104	1,705	1,104	1,705
TOTAL	19,658	50,568	19,658	50,568
ROCK, 68 AND OVER, TOTAL	799,229	750,251	1,003,480	949,541
GRAND TOTAL	2,207,634	4,451,452	11,332,531	24,347,439

NOTE.—ALL WEIGHTS ARE ON HEADS-OFF BASIS. THE SIZE INDICATES THE NUMBER OF HEADS-OFF SHRIMP TO THE POUND. TO CONVERT TO HEADS-ON WEIGHT MULTIPLY BY 1.61 FOR BROWN, 1.60 FOR PINK, 1.54 FOR WHITE, 1.80 FOR ROYAL RED, AND 1.67, FOR ROCK. THE STATES LISTED REPRESENT THE STATES WHERE THE SHRIMP LANDED REGARDLESS OF WHERE CAUGHT. SHRIMP (MOSTLY *PENAEUS DUORARUM*), WHITE SHRIMP (MOSTLY *PENAEUS SETIFERUS*), ROYAL RED SHRIMP (MOSTLY *HYMENOPENAEUS ROBUSTUS*), AND ROCK SHRIMP (MOSTLY *SICYONIA* SPP.). THE VALUE REPORTED IS THE AMOUNT RECEIVED BY THE OWNERS OR OPERATORS OF THE VESSELS FOR THE FIRST SALE AT THE DOCK. ANY EXPENSES INVOLVED IN HANDLING OR PROCESSING ASHORE ARE NOT INCLUDED, EVEN THOUGH CHARGEABLE TO THE VESSELS. THE SIZE REPORTED GENERALLY IS THAT USED OF THE FIRST SALE. SIZE GRADING IN VARYING DEGREES OF UNIFORMITY MAY OR MAY NOT OCCUR AT, OR PRIOR TO, THE TIME FIRST SALES ARE MADE. IF GRADING IS NOT DONE AT THIS TIME, THE SIZE REPORTED IS AN AVERAGE SIZE AND MAY INCLUDE SEVERAL SIZE CLASSIFICATIONS.

SECTION 6

GULF FISHERIES

Landings by U.S. commercial fishermen in the Gulf States (West Coast of Florida, Alabama, Mississippi, Louisiana, and Texas) were 1.5 billion pounds worth a new record of \$408.4 million—a decrease of 260.2 million pounds (15 percent) in volume, but an increase of \$21.9 million (6 percent) in value compared with 1976. Landings of several major species such as croaker, groupers, red snappers, spotted sea trout, and oysters decreased in volume.

Louisiana led in volume of landings with 910.0 million pounds (62 percent); followed by Mississippi, 313.0 million (21 percent); Florida, West Coast, 116.3 million (8 percent); Texas, 108.5 million (7 percent); and Alabama, 34.6 million pounds (2 percent).

Fishermen and vessels. In 1977, 29,296 full-time and part-time fishermen operated 5,328 vessels (5 net tons or more), 10,929 motorboats, and 44 other boats. Compared with 1976, this was an increase of 1,228 fishermen, 135 vessels, and 947 motorboats, but a decrease of 10 other boats.

Processed products. The value of processed fishery products was \$737.8 million—an increase of \$76.9 million (11 percent) compared with 1976. Frozen packaged items were 71 percent of the total value of processed products—up 13 percent over 1976. Fresh processed items increased 38 percent; canned, 6 percent; and cured, 18 percent. Industrial products were the only items to show a decrease with \$70.9 million (down 11 percent). The Gulf States had a monthly average of 13,276 persons employed in 855 wholesaling and processing plants in 1977—an increase of 1,131 employees and 129 seafood establishments.

Hard blue crabs. Landings of hard blue crabs in the Gulf States reached 44.3 million pounds and set a record value of \$9.9 million—an increase of 7.8 million pounds (21 percent) in volume and \$3.1 million (45 percent) in value compared with 1976. Landings increased in all States in 1977 with Louisiana leading with catch of 16.2 million pounds (up 6 percent); Florida, West Coast, 15.8 million (up 31 percent); Texas, 8.2 million (up 24 percent); Alabama, 2.2 million (up 67 percent); and Mississippi, 1.9 million pounds (up 44 percent). The average price paid to fishermen went from 18 cents in 1976 to 22 cents per pound in 1977.

Spiny lobster. Landings of spiny lobsters were 4.8 million pounds valued at \$8.0 million—an increase of 485,000 pounds (11 percent) in volume and \$1.0 million (15 percent) in value compared with 1976. The entire catch was landed at Florida, West Coast ports and fishermen received \$1.63 per pound for their catch compared to \$1.57 in 1976.

Oysters. The production of 19.7 million pounds of shucked oyster meats valued at \$19.0 million was a decrease of 1.9 million pounds (8 percent) in volume, but an increase of \$2.9 million (18 percent) in value compared with 1976. This harvest was a decrease of 10 percent below the 1972-76 average. Compared with 1976, landings in Florida, West Coast were 4.1 million pounds (up 56 percent); Alabama, 1.5 million (up 25 percent); Mississippi, 1.4 million (down 9 percent); and Texas, 2.6 million pounds (down 33 percent). In Louisiana, landings of 10.1 million pounds were down 26 percent from the record production in 1975. Louisiana accounted for 51 percent of the total oyster production in the Gulf States. Fishermen received an average price of 97 cents per pound compared with 75 cents in 1976.

Shrimp. Landings were 265.2 million pounds valued at a record \$297.7—an increase of 55.0 million pounds (26 percent) in volume and \$22.5 million (8 percent) in value compared with 1976. Gulf States had 56 percent of the total production and 83 percent of the total value in the United States. Low rainfall, high salinities, and lack of cold spells provided an excellent year for shrimp production. The average price per pound paid to fishermen went from \$1.31 in 1976 to \$1.12 in 1977.

GULF FISHERIES

Landings increased in all States in 1977 with catch for Florida, West Coast of 33.2 million pounds (up 24 percent); Alabama, 25.0 million (up 34 percent); Mississippi, 10.6 million (up 40 percent); Louisiana, 104.0 million (up 26 percent); and Texas 92.3 million pounds (up 24 percent). Louisiana had 39 percent of the total Gulf States landings and was 25 percent above the 1972-76 average.

In 1977, fishing grounds from the Mississippi River to Texas produced 49 percent of the shrimp brought into ports along the Gulf, the Texas Coast, 28 percent; Pensacola to Mississippi River, 11 percent; Sanibel and Tortugas, 9 percent; Apalachicola area, 2 percent; and the high seas off foreign coasts, 1 percent.

Brown shrimp were 59 percent of the landings; white, 28 percent; pink, 10 percent; and sea bobs, royal red, and rock shrimp together, 3 percent.

Other information. Additional data may be found in the monthly and annual landings bulletins for Florida, Alabama, Mississippi, Louisiana, and Texas published in the Current Fishery Statistics series by the National Fishery Statistics Program office in cooperation with the respective States.

Acknowledgements. The following organizations helped collect the data appearing in this section: Florida Department of Natural Resources, Alabama Department of Conservation and Natural Resources, Mississippi Marine Conservation Commission, Louisiana Wild Life and Fisheries Commission, and Texas Parks and Wildlife Department.

GULF STATES



GULF FISHERIES

GULF FISHERIES

SECTIONAL SUMMARIES LANDINGS BY STATES, 1977

STATE	FISH		SHELLFISH ET AL		TOTAL	
	MILLION POUNDS	MILLION DOLLARS	MILLION POUNDS	MILLION DOLLARS	MILLION POUNDS	MILLION DOLLARS
FLORIDA, WEST COAST	54	18	62	58	116	76
ALABAMA	6	1	29	36	35	37
MISSISSIPPI	299	14	14	12	313	26
LOUISIANA	779	34	131	102	910	138
TEXAS	5	2	103	132	108	134
TOTAL	1,144	69	339	339	1,482	408

NOTE:—TABLE MAY NOT ADD BECAUSE OF ROUNDING. FOR THE PURPOSE OF THIS REPORT THE "WEST COAST OF FLORIDA" INCLUDES THE COASTAL COUNTIES FROM MONROE TO ESCAMBIA, INCLUSIVE.

SUMMARY OF OPERATING UNITS, 1977

ITEM	FLORIDA, WEST COAST	ALABAMA	MISSISSIPPI	LOUISIANA	TEXAS	TOTAL, EXCLUSIVE OF DUPLICATION
						NUMBER
FISHERMEN:						
ON VESSELS:						
FULL-TIME	4,750	1,222	1,509	5,674	5,277	15,130
PART-TIME	252	-	6	-	-	258
ON BOATS AND SHORE:						
FULL-TIME	2,543	414	453	3,994	670	8,274
PART-TIME	2,272	170	515	2,424	253	5,634
TOTAL	9,817	1,806	2,483	12,092	6,400	29,296
VESSELS, MOTOR						
GROSS TONNAGE	1,849	476	487	1,930	1,882	5,328
BOATS:	97,733	30,942	26,047	128,045	134,534	317,509
MOTOR	3,429	491	945	5,192	684	10,929
OTHER	8	35	-	1	-	44
GEAR:						
HAUL SEINES, COMMON	56	-	-	7	10	73
PURSE SEINES	9	-	15	72	-	90
BUTTERFLY NETS	-	-	-	1,294	-	1,294
OTTER TRAWLS:						
FISH	20	-	30	18	-	60
SCALLOP	58	-	-	-	-	58
SHRIMP	2,532	984	1,158	6,803	5,014	14,287
FYKE AND HOOP NETS, FISH	-	-	-	20,840	-	20,840
POTS AND TRAPS:						
CRAB:						
BLUE	42,770	12,600	4,580	134,125	21,500	215,575
OTHER	268,985	-	-	-	-	268,985
CRAWFISH	-	-	-	31,900	-	31,900
FISH	840	-	-	2,635	-	3,475
LOBSTER, SPINY	407,950	-	-	-	-	407,950
GILL NETS:						
ANCHOR, SET, OR STAKE	1	-	-	222	32	255
RUNAROUND	1,137	6	20	93	-	1,255
TRAMMEL NETS	488	62	1	108	113	772
LINES:						
HAND	3,932	81	157	180	336	4,813
TROLL	1,199	-	-	-	-	1,199
LONG OR SET WITH HOOKS	46	-	-	1,544	169	1,759
TROT WITH BAITS	-	-	-	65	-	65
DIP NETS:						
COMMON	11	-	-	10	-	21
DROP	-	-	-	150	-	150
CAST NETS	33	-	-	-	-	33
SPEARS	56	31	3	-	12	102
DREDGES:						
OYSTER, COMMON	-	-	164	794	231	1,160
SCALLOP, BAY	69	-	-	-	-	69
TONGS, OYSTER	601	354	462	114	2	1,533
BRUSH TRAPS	-	-	-	45,000	-	45,000
FROG GRABS	-	-	-	18	-	18
HOOKS:						
SPONGE	3	-	-	-	-	3
OTHER	3	-	-	-	-	3
DIVING OUTFITS, SPONGE	6	-	-	-	-	6

NOTE:—FOR THE PURPOSE OF THIS REPORT THE "WEST COAST OF FLORIDA" INCLUDES THE COASTAL COUNTIES FROM MONROE TO ESCAMBIA, INCLUSIVE.

LANDINGS BY STATES, 1977

SPECIES	FLORIDA, WEST COAST		ALABAMA		MISSISSIPPI	
	THOUSAND	THOUSAND	THOUSAND	THOUSAND	THOUSAND	THOUSAND
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
FISH						
ALEWIVES.....	1	(1)	-	-	-	-
AMBERJACK.....	131	15	-	-	-	-
ANGELFISH.....	5	(1)	-	-	-	-
BALLYHOO.....	175	53	-	-	-	-
BARRACUDA.....	(1)	(1)	-	-	-	-
BLUEFISH.....	902	103	2	(1)	26	5
BLUE RUNNER.....	1,348	164	-	-	1	(1)
BONITO.....	294	23	-	-	-	-
CABIO.....	80	19	2	(1)	(1)	(1)
CATFISH AND BULLHEADS.....	40	16	(1)	(1)	-	-
CIGARFISH.....	903	129	-	-	-	-
CREVALLE.....	1,407	115	-	-	26	2
CROAKER.....	777	138	2,766	399	394	63
DOLPHINFISH.....	64	21	-	-	-	-
DRUM:						
BLACK.....	20	3	25	1	44	3
RED.....	845	242	65	9	155	29
FLOUNDERS, UNCLASSIFIED.....	271	110	600	163	47	15
GOATFISH.....	1	1	-	-	-	-
GROUPERS.....	5,022	3,025	90	38	126	44
GRUNTS.....	165	28	-	-	-	-
HERRING, THREAD.....	190	9	-	-	-	-
HOGFISH.....	33	10	-	-	-	-
JEWFISH.....	200	36	22	6	-	-
KING WHITING OR "KINGFISH".....	48	6	142	18	67	10
MACKEREL:						
KING.....	5,217	1,769	-	-	-	-
SPANISH.....	2,393	457	11	1	146	30
MOJARRA.....	202	32	-	-	-	-
MULLET:						
BLACK (LISA).....	18,806	3,691	877	140	949	133
SILVER.....	524	99	-	-	-	-
PERMIT.....	62	22	-	-	-	-
PIGFISH.....	6	1	-	-	-	-
POMPANO.....	915	1,375	6	3	3	4
SCUP OR PORGY.....	121	37	-	-	-	-
SEA BASS, BLACK.....	33	7	-	-	-	-
SEA CATFISH.....	29	2	56	3	10	1
SEA TROUT OR WEAKFISH:						
SPOTTED.....	1,932	987	22	10	147	70
WHITE.....	168	36	449	57	40	7
SHARKS, UNCLASSIFIED.....	159	14	-	-	8	1
SHEEPSHEAD, SALTWATER.....	240	40	174	10	34	3
SNAPPER:						
LANE.....	15	6	-	-	-	-
MANGROVE.....	625	275	-	-	-	-
MUTTON.....	189	134	-	-	-	-
RED.....	2,861	3,246	520	352	1,440	944
VERMILION.....	480	417	-	-	-	-
YELLOWTAIL.....	762	669	-	-	-	-
SPANISH SARDINE.....	947	70	-	-	-	-
SPOT.....	48	7	14	1	3	(1)
STURGEON, COMMON.....	13	4	-	-	-	-
SWORDFISH.....	2	2	-	-	-	-
TENPOUNDER.....	1,580	67	-	-	-	-
TILAPIA.....	10	2	-	-	-	-
TILEFISH.....	97	35	-	-	-	-
TRIGGERFISH.....	60	9	-	-	-	-
TRIPLETAIL.....	4	(1)	-	-	-	-
TUNA, LITTLE.....	-	-	-	-	4	(1)
WAHOO.....	1	(1)	-	-	-	-
WARSAW.....	184	63	-	-	-	-
UNCLASSIFIED.....	2,766	298	-	-	295,440	12,410
TOTAL FISH.....	54,373	18,139	5,843	1,211	299,110	13,774
SHELLFISH ET AL.						
CRABS:						
BLUE, HARD.....	15,832	3,119	2,174	548	1,919	473
STONE.....	3,428	3,046	-	-	-	-
TOTAL CRABS.....	19,260	6,165	2,174	548	1,919	473

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

GULF FISHERIES

LANDINGS BY STATES, 1977 - Continued

SPECIES	FLORIDA, WEST COAST		ALABAMA		MISSISSIPPI	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
SHELLFISH ET AL. - CONTO						
LOBSTERS:						
SLIPPER.....	30	56	-	-	-	-
SPINY.....	4,843	7,899	-	-	-	-
SHRIMP.....	33,162	40,013	25,031	33,487	10,576	10,113
CONCHS.....	1	1	-	-	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING.....	1,677	1,220	386	378	1,000	788
FALL.....	2,272	1,658	1,163	1,171	342	350
PRIVATE:						
SPRING.....	90	65	-	-	21	16
FALL.....	33	24	-	-	21	22
TOTAL OYSTERS.....	4,072	2,967	1,549	1,549	1,384	1,156
SCALLOPS:						
BAY.....	46	58	-	-	-	-
CALICO.....	478	334	-	-	-	-
TOTAL.....	524	392	-	-	-	-
SQUID.....	60	16	3	(1)	4	1
SPONGES:						
GRASS.....	2	5	-	-	-	-
SHEEPSWOL.....	6	71	-	-	-	-
YELLOW.....	1	4	-	-	-	-
TOTAL SHELLFISH.....	61,961	57,589	28,757	36,584	13,883	11,743
GRAND TOTAL.....	116,334	75,728	34,600	36,795	312,993	25,517

SPECIES	LOUISIANA		TEXAS		TOTAL	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
FISH						
ALEWIVES.....	-	-	-	-	1	(1)
AMBERJACK.....	-	-	-	-	131	15
ANGELFISH.....	-	-	-	-	5	(1)
BALLYHOOD.....	-	-	-	-	175	53
BARRACUDA.....	-	-	-	-	(1)	(1)
BLUEFISH.....	3	(1)	-	-	933	108
BLUE RUNNER.....	-	-	-	-	1,349	164
BONITO.....	-	-	-	-	294	23
BOWFISH.....	29	4	-	-	29	4
BUFFALOFISH.....	769	117	-	-	769	117
CABIO.....	(1)	(1)	20	5	102	24
CARP.....	113	12	-	-	113	12
CATFISH AND BULLHEADS.....	8,447	3,190	-	-	8,487	3,206
CIGARFISH.....	-	-	-	-	903	129
CREVALLE.....	-	-	-	-	1,433	117
CROAKER.....	405	56	33	4	4,375	660
DOLPHINFISH.....	-	-	-	-	64	21
DRUM:						
BLACK.....	583	82	1,454	400	2,126	489
RED.....	1,436	497	951	511	3,452	1,288
FLOUNDERS, UNCLASSIFIED.....	294	102	311	171	1,523	561
GARFISH.....	377	61	-	-	377	61
GOATFISH.....	-	-	-	-	1	1
GROUPERS.....	4	1	22	5	5,264	3,113
GRUNTS.....	-	-	-	-	165	28
HERRING, THREAD.....	-	-	-	-	190	9
HOGFISH.....	-	-	-	-	33	10
JEWFISH.....	-	-	-	-	222	42
KING WHITING OR "KINGFISH".....	65	8	33	5	355	47
MACKEREL:						
KING.....	-	-	-	-	5,217	1,769
SPANISH.....	81	11	-	-	2,631	499
MOJARRA.....	-	-	-	-	202	32
MULLET:						
BLACK (LISA).....	595	47	9	2	21,236	4,013
SILVER.....	-	-	-	-	524	99
PADDLEFISH.....	(1)	(1)	-	-	(1)	(1)
PERMIT.....	-	-	-	-	62	22
PIGFISH.....	-	-	-	-	6	1
POMPANO.....	12	16	1	1	937	1,399
SAWFISH.....	9	(1)	-	-	9	(1)
SCUP OR PORGY.....	-	-	-	-	121	37

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS BY STATES, 1977 - Continued

SPECIES	LOUISIANA		TEXAS		TOTAL	
	THOUSANDS	THOUSANDS	THOUSANDS	THOUSANDS	THOUSANDS	THOUSANDS
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
FISH - CONTINUED						
SEA BASS, BLACK	-	-	-	-	33	7
SEA CATFISH	92	12	74	14	261	32
SEA TROUT OR WEAKFISH:						
SPOTTED	1,086	528	1,347	723	4,534	2,318
WHITE	89	17	6	4	752	121
SHAD	47	3	-	-	47	3
SHARKS, UNCLASSIFIED	137	14	-	-	304	29
SHEEPSHEAD:						
FRESHWATER	130	17	-	-	130	17
SALTWATER	133	12	294	29	875	94
SNAPPER:						
LANE	-	-	-	-	15	6
MANGROVE	-	-	-	-	625	275
MUTTON	-	-	-	-	189	134
RED	99	70	440	421	5,360	5,033
VERMILION	-	-	-	-	480	417
YELLOWTAIL	-	-	-	-	762	669
SPANISH SARDINE	-	-	-	-	947	70
SPOT	7	1	-	-	72	9
STURGEON, COMMON	-	-	-	-	13	4
SWORDFISH	-	-	-	-	2	2
TENPOUNDER	-	-	-	-	1,580	67
TILAPIA	-	-	-	-	10	2
TILEFISH	-	-	-	-	97	35
TRIGGERFISH	-	-	-	-	60	9
TRIPLETAIL	3	(1)	-	-	7	(1)
TUNA, LITTLE	-	-	-	-	4	(1)
WAHOO	-	-	-	-	1	(1)
WARSAW	-	-	-	-	184	63
UNCLASSIFIED	763,882	29,104	299	45	1,062,387	41,857
TOTAL FISH	778,927	33,982	5,294	2,340	1,143,547	69,446
SHELLFISH ET AL.						
CRABS:						
BLUE:						
HARD	16,154	3,765	8,249	1,947	44,328	9,852
SOFT, PEELER	225	570	-	-	225	570
STONE	-	-	-	-	3,428	3,046
TOTAL CRABS	16,379	4,335	8,249	1,947	47,981	13,468
CRAWFISH, FRESHWATER	572	295	-	-	572	295
LOBSTERS:						
SLIPPER	-	-	-	-	30	56
SPINY	-	-	-	-	4,843	7,899
SHRIMP	104,045	87,183	92,344	126,888	265,158	297,684
CONCHS	-	-	-	-	1	1
OYSTERS, MARKET:						
PUBLIC:						
SPRING	624	611	1,750	1,764	5,437	4,741
FALL	427	472	850	1,228	5,054	4,879
PRIVATE:						
SPRING	6,124	5,601	-	-	6,235	5,682
FALL	2,890	3,679	-	-	2,944	3,725
TOTAL OYSTERS	10,065	10,363	2,600	2,992	19,670	19,027
SCALLOPS:						
BAY	-	-	-	-	46	58
CALICO	-	-	-	-	478	334
TOTAL	-	-	-	-	524	392
SQUID	(1)	(1)	14	4	81	21
SPONGES:						
GRASS	-	-	-	-	2	5
SHEEPSWOOL	-	-	-	-	6	71
YELLOW	-	-	-	-	1	4
TERRAPIN	(1)	(1)	-	-	(1)	(1)
TURTLES, SNAPPER	10	6	-	-	10	6
FROGS	6	5	-	-	6	5
TOTAL SHELLFISH	131,077	102,187	103,207	131,831	338,885	338,934
GRAND TOTAL	910,004	136,169	108,501	134,171	1,482,432	408,380

(1) LESS THAN 500 POUNDS OR \$500.

NOTE:—LANDINGS ARE SHOWN IN ROUND (LIVE) WEIGHT EXCEPT FOR MOLLUSKS. CONCHS AND OYSTERS ARE REPORTED IN WEIGHT OF TOTAL MEATS; SCALLOPS IN WEIGHT OF EDIBLE MEATS. FOR PURPOSE OF THIS REPORT THE "WEST COAST OF FLORIDA" INCLUDES THE COASTAL COUNTIES FROM MONROE TO ESCAMBIA, INCLUSIVE.

GULF FISHERIES

LANDINGS OF CERTAIN SHELLFISH, 1977

SPECIES	FLORIDA, WEST COAST		ALABAMA		MISSISSIPPI	
	U.S.		U.S.		U.S.	
	STANDARD BUSHELS	DOLLARS	STANDARD BUSHELS	DOLLARS	STANDARD BUSHELS	DOLLARS
CONCHS.....	57	870	-	-	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING.....	407,981	1,219,719	47,688	377,869	149,925	768,182
FALL.....	705,528	1,658,121	157,880	1,170,530	83,216	350,178
PRIVATE:						
SPRING.....	20,524	64,995	-	-	3,268	16,350
FALL.....	9,429	23,695	-	-	3,974	21,500
SCALLOPS:						
BAY.....	8,598	57,820	-	-	-	-
CALICO.....	178,172	333,799	-	-	-	-

SPECIES	LOUISIANA		TEXAS		TOTAL	
	U.S.		U.S.		U.S.	
	STANDARD BUSHELS	DOLLARS	STANDARD BUSHELS	DOLLARS	STANDARD BUSHELS	DOLLARS
CONCHS.....	-	-	-	-	57	870
OYSTERS, MARKET:						
PUBLIC:						
SPRING.....	130,839	610,996	309,205	1,764,225	1,045,838	4,740,991
FALL.....	104,889	472,362	170,080	1,227,519	1,201,573	4,878,708
PRIVATE:						
SPRING.....	1,283,941	5,600,629	-	-	1,307,733	5,681,974
FALL.....	710,088	3,679,143	-	-	723,501	3,724,338
SCALLOPS:						
BAY.....	-	-	-	-	8,598	57,820
CALICO.....	-	-	-	-	178,172	333,799

NOTE:—THE CAPACITY OF A U.S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

AVERAGE YIELD OF CERTAIN SHELLFISH, 1977

SPECIES	FLORIDA, WEST COAST	ALABAMA	MISSISSIPPI	LOUISIANA	TEXAS
	POUNDS OF MEATS PER U.S. STANDARD BUSHEL				
CONCHS.....	14.00	-	-	-	-
OYSTER, MARKET:					
PUBLIC:					
SPRING.....	4.11	8.09	6.67	4.77	5.66
FALL.....	3.22	7.37	5.41	4.07	5.00
PRIVATE:					
SPRING.....	4.39	-	6.67	4.77	-
FALL.....	3.50	-	5.41	4.07	-
SCALLOPS:					
BAY.....	5.35	-	-	-	-
CALICO.....	2.68	-	-	-	-

NOTE:—THE CAPACITY OF A U.S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

**FLORIDA, WEST COAST
OPERATING UNITS BY GEAR, 1977**

ITEM	HAUL SEINES, COMMON	PURSE SEINES	OTTER TRAWLS			POTS AND TRAPS
			FISH	SCALLOP	SHRIMP	CRAB
						BLUE
NUMBER						
FISHERMEN: ON VESSELS, FULL-TIME.....	101	27	41	168	3,130	-
ON BOATS AND SHORE:						
FULL-TIME.....	146	10	-	-	242	174
PART-TIME.....	4	-	-	-	45	48
TOTAL.....	251	37	41	168	3,417	222
VESSLES, MOTOR.....	16	4	10	29	1,215	-
GROSS TONNAGE.....	274	81	316	2,529	83,167	-
BOATS:						
MOTOR.....	59	7	-	-	192	217
OTHER.....	8	-	-	-	-	-
GEAR.....	56	9	20	58	2,532	42,770

ITEM	POTS AND TRAPS - CONTINUED			GILL NETS		TRAMMEL NETS
	CRAB - CONTD	FISH	LOBSTER, SPINY	ANCHOR, SET, OR STAKE	RUNAROUND	
	OTHER					
NUMBER						
FISHERMEN: ON VESSELS						
FULL-TIME.....	138	-	655	-	427	40
PART-TIME.....	-	-	-	-	131	-
ON BOATS AND SHORE:						
FULL-TIME.....	235	60	559	-	947	424
PART-TIME.....	37	-	56	2	328	129
TOTAL.....	410	60	1,270	2	1,833	593
VESSLES, MOTOR.....	62	-	244	-	107	7
GROSS TONNAGE.....	1,046	-	4,308	-	1,800	100
BOATS, MOTOR.....	204	30	278	1	1,030	364
GEAR.....	266,985	840	407,950	1	1,137	488

ITEM	LINES			DIP NETS, COMMON	CAST NETS	SPEARS
	HAND	TROLL	LONG OR SET WITH HOOKS			
NUMBER						
FISHERMEN: ON VESSELS:						
FULL-TIME.....	1,234	102	-	-	-	-
PART-TIME.....	186	138	-	-	-	-
ON BOATS AND SHORE:						
FULL-TIME.....	592	109	10	5	1	32
PART-TIME.....	1,106	794	16	6	27	24
TOTAL.....	3,118	1,143	26	11	28	56
VESSLES, MOTOR.....	449	70	-	-	-	-
GROSS TONNAGE.....	11,217	1,571	-	-	-	-
BOATS, MOTOR.....	1,190	491	22	11	17	55
GEAR.....	3,932	1,199	46	11	33	56

(CONTINUED ON NEXT PAGE)

GULF FISHERIES

FLORIDA, WEST COAST - OPERATING UNITS BY GEAR, 1977 - Continued

ITEM	DREDGES, SCALLOP, BAY	TONGS, OYSTER	HOOKS	
			SPONGE	OTHER
NUMBER				
FISHERMEN:				
ON VESSELS, FULL-TIME.....	-	2	-	-
ON BOATS AND SHORE:				
FULL-TIME.....	32	570	6	6
PART-TIME.....	4	27	-	-
TOTAL.....	36	599	6	6
VESSLS, MOTOR.....	-	1	-	-
GROSS TONNAGE.....	-	7	-	-
BOATS, MOTOR.....	27	479	3	3
GEAR.....	69	601	3	3

ITEM	DIVING OUTFITS		BY HAND OYSTER	TOTAL, EXCLUSIVE OF DUPLICATION
	SPONGE	OTHER		
NUMBER				
FISHERMEN:				
ON VESSELS:				
FULL-TIME.....	19	-	-	4,750
PART-TIME.....	-	-	-	252
ON BOATS AND SHORE:				
FULL-TIME.....	-	-	2	2,543
PART-TIME.....	6	64	10	2,272
TOTAL.....	25	64	12	9,817
VESSLS, MOTOR.....	3	-	-	1,849
GROSS TONNAGE.....	45	-	-	97,733
BOATS:				
MOTOR.....	3	37	12	3,429
OTHER.....	-	-	-	8
GEAR.....	6	-	-	-

FLORIDA, WEST COAST - LANDINGS OF CATCH BY GEAR, 1977

SPECIES	HAUL SEINES, COMMON		PURSE SEINES		OTTER TRAWLS	
	POUNDS	DOLLARS	POUNDS	DOLLARS	FISH	
					POUNDS	DOLLARS
ANGELFISH.....	2,600	242	-	-	200	24
BALLYHOO.....	-	-	174,700	52,825	-	-
BLUEFISH.....	265,200	25,053	-	-	-	-
BLUE RUNNER.....	1,127,900	137,750	65,800	7,895	-	-
BONITO.....	119,300	9,443	87,200	6,927	-	-
CIGARFISH.....	869,700	123,832	33,100	4,965	-	-
CREVALLE.....	679,000	51,049	40,300	2,347	-	-
CROAKER.....	25,800	5,804	-	-	78,400	13,086
DRUM:						
BLACK.....	2,300	271	-	-	-	-
RED.....	180,100	44,743	-	-	-	-
FLOUNDERS, UNCLASSIFIED.....	12,900	5,072	-	-	3,800	1,729
GRUNTS.....	3,400	652	-	-	-	-
HERRING, THREAD.....	143,100	6,864	47,100	2,119	-	-
KING WHITING OR "KINGFISH".....	3,000	580	-	-	800	99
MACKEREL:						
KING.....	4,200	1,591	-	-	-	-
SPANISH.....	146,400	28,201	-	-	-	-
MOJARRA.....	48,900	7,432	-	-	-	-
MULLET:						
BLACK (LISA).....	2,880,200	563,456	-	-	-	-
SILVER.....	4,000	722	-	-	-	-
PERMIT.....	7,100	2,069	-	-	-	-
PIGFISH.....	-	-	-	-	300	63
POMPANO.....	14,800	21,878	-	-	-	-
SEA CATFISH.....	-	-	400	27	700	49

(CONTINUED ON NEXT PAGE)

FLORIDA, WEST COAST - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	HAUL SEINES, COMMON		PURSE SEINES		OTTER TRAWLS	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
SEA TROUT OR WEAKFISH:						
SPOTTED	155,900	80,459	-	-	9,700	4,891
WHITE	4,000	754	-	-	11,300	2,151
SHARKS, UNCLASSIFIED	3,800	392	300	73	100	22
SHEEPSHEAD, SALTWATER	43,700	6,740	-	-	6,100	856
SNAPPER, MANGROVE	20,300	7,806	-	-	-	-
SPANISH SARDINE	917,400	68,398	29,600	2,072	-	-
SPOT	7,700	1,292	-	-	900	60
STURGEON, COMMON	-	-	-	-	300	28
TENPOUNDER	1,174,300	50,045	325,000	13,397	-	-
UNCLASSIFIED	802,200	60,649	360,600	13,920	400	59
CRABS, BLUE, HARD	-	-	-	-	10,500	2,182
TOTAL	9,669,200	1,313,239	1,164,100	106,567	123,500	25,299

SPECIES	OTTER TRAWLS - CONTINUED				POTS AND TRAPS	
	SCALLOP		SHRIMP		CRAB	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ANGELFISH	-	-	500	54	-	-
CABIO	-	-	6,500	1,659	-	-
CIGARFISH	-	-	100	21	-	-
CROAKER	-	-	94,800	15,993	-	-
FLOUNDERS, UNCLASSIFIED	-	-	127,600	48,418	-	-
JEWFISH	-	-	10,100	1,454	-	-
KING WHITING OR "KINGFISH"	-	-	32,000	3,145	-	-
PIGFISH	-	-	400	90	-	-
POMPANO	-	-	200	101	-	-
SEA CATFISH	-	-	1,300	93	-	-
SEA TROUT OR WEAKFISH:						
SPOTTED	-	-	13,700	6,910	-	-
WHITE	-	-	15,500	2,952	-	-
SHARKS, UNCLASSIFIED	-	-	1,600	384	-	-
SHEEPSHEAD, SALTWATER	-	-	16,100	2,260	-	-
SNAPPER, RED	-	-	23,700	23,980	-	-
SPOT	-	-	3,600	320	-	-
STURGEON, COMMON	-	-	800	76	-	-
TRIPLETAIL	-	-	100	14	-	-
UNCLASSIFIED	-	-	45,500	1,657	-	-
CRABS, BLUE, HARD	-	-	55,300	11,381	15,766,400	3,105,383
LOBSTERS:						
SLIPPER	-	-	900	887	-	-
SPINY	-	-	51,300	92,442	-	-
SHRIMP	-	-	33,162,400	40,012,411	-	-
SCALLOPS, CALICO	64,700	80,830	412,800	252,969	-	-
SQUID	-	-	58,800	16,179	-	-
TOTAL	64,700	80,830	34,138,600	40,495,850	15,766,400	3,105,383

SPECIES	POTS AND TRAPS - CONTINUED					
	CRAB - CONTINUED		FISH		LOBSTER, SPINY	
	OTHER		POUNDS	DOLLARS	POUNDS	DOLLARS
GROUPERS	-	-	147,400	86,358	-	-
GRUNTS	-	-	23,000	2,896	-	-
PIGFISH	-	-	700	49	-	-
SCUP OR PORGY	-	-	2,900	458	-	-
SNAPPERS:						
LANE	-	-	900	294	-	-
MANGROVE	-	-	54,800	34,780	-	-
WARSAW	-	-	6,900	2,609	-	-
UNCLASSIFIED	-	-	44,800	6,034	-	-
CRABS, STONE	3,403,000	3,021,423	-	-	25,200	24,200
LOBSTERS:						
SLIPPER	-	-	-	-	28,800	55,207
SPINY	-	-	-	-	4,759,200	7,753,224
TOTAL	3,403,000	3,021,423	281,400	133,478	4,813,200	7,832,631

(CONTINUED ON NEXT PAGE)

GULF FISHERIES

FLORIDA, WEST COAST - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	GILL NETS				TRAMMEL NETS	
	ANCHOR, SET, OR STAKE		RUNAROUND		POUNDS	DOLLARS
	POUNDS	DOLLARS	POUNDS	DOLLARS		
ALEWIVES.....	-	-	1,000	90	-	-
AMBERJACK.....	-	-	9,000	1,231	-	-
ANGELFISH.....	-	-	1,000	75	300	38
BLUEFISH.....	-	-	570,700	86,521	34,800	4,432
BLUE RUNNER.....	-	-	136,800	18,414	12,200	1,487
BONITO.....	-	-	45,800	3,684	6,200	498
CABIO.....	-	-	24,900	6,259	-	-
CREVALLE.....	-	-	573,700	50,855	59,700	5,543
CROAKER.....	-	-	207,100	36,339	171,700	29,024
DRUM:						
BLACK.....	-	-	13,000	1,708	4,200	470
RED.....	-	-	504,300	149,019	70,500	20,575
FLOUNDERS, UNCLASSIFIED.....	-	-	80,600	25,368	18,700	8,180
GOATFISH.....	-	-	1,200	833	-	-
GRUNTS.....	-	-	35,100	6,593	2,200	445
HERRING, THREAD.....	-	-	100	5	-	-
KING WHITING OR "KINGFISH".....	-	-	10,500	1,934	1,300	208
MACKEREL:						
KING.....	-	-	4,686,500	1,587,017	-	-
SPANISH.....	-	-	1,630,200	312,666	37,300	7,553
MOJARRA.....	-	-	140,900	22,697	8,100	1,238
MULLET:						
BLACK (LISA).....	-	-	13,769,800	2,704,196	2,013,500	394,141
SILVER.....	-	-	476,800	90,658	43,600	8,052
PERMIT.....	-	-	41,700	16,155	6,700	1,895
PIGFISH.....	-	-	3,400	494	700	122
POMPANO.....	-	-	166,000	244,897	730,500	1,103,010
SEA CATFISH.....	-	-	18,500	1,302	3,200	203
SEA TROUT OR WEAKFISH:						
SPOTTED.....	-	-	1,229,300	629,870	341,800	174,219
WHITE.....	-	-	60,500	12,145	40,200	7,932
SHARKS, UNCLASSIFIED.....	-	-	51,700	4,124	-	-
SHEEPSHEAD, SALTWATER.....	-	-	113,900	19,370	33,500	5,601
SNAPPER, MANGROVE.....	-	-	231,100	71,614	50,400	15,551
SPOT.....	-	-	26,700	3,871	9,000	1,072
STURGEON, COMMON.....	10,600	3,433	1,500	350	-	-
TENPOUNDER.....	-	-	70,800	3,427	7,400	431
TILAPIA.....	-	-	9,500	1,959	-	-
WAHOO.....	-	-	500	175	-	-
UNCLASSIFIED.....	-	-	1,025,100	148,356	168,900	20,788
TOTAL.....	10,600	3,433	25,949,000	6,245,271	3,874,500	1,812,686

SPECIES	LINES					
	HAND		TROLL		LONG OR SET WITH HOOKS	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
AMBERJACK.....	121,800	14,147	-	-	-	-
ANGELFISH.....	300	22	-	-	-	-
BARRACUDA.....	100	1	-	-	-	-
BLUEFISH.....	23,700	2,912	8,200	957	-	-
BLUE RUNNER.....	5,700	666	-	-	-	-
BONITO.....	7,400	577	28,500	2,265	-	-
CABIO.....	38,600	8,937	10,100	2,564	-	-
CATFISH AND BULLHEADS.....	300	133	-	-	39,200	15,688
CREVALLE.....	46,000	4,152	8,600	752	-	-
CROAKER.....	198,800	38,140	-	-	-	-
DOLPHINFISH.....	31,700	10,310	32,000	10,397	-	-
DRUM:						
BLACK.....	800	164	-	-	-	-
RED.....	90,100	27,261	-	-	-	-
FLOUNDERS, UNCLASSIFIED.....	5,100	1,725	-	-	-	-
GROUPERS.....	4,866,800	2,934,225	-	-	-	-
GRUNTS.....	100,900	17,701	-	-	-	-
HOGFISH.....	31,900	9,342	-	-	-	-
JEWFISH.....	187,200	33,884	-	-	-	-
KING WHITING OR "KINGFISH".....	300	72	-	-	-	-
MACKEREL:						
KING.....	19,600	6,129	506,700	173,848	-	-
SPANISH.....	57,900	11,124	521,600	97,554	-	-
MOJARRA.....	2,300	303	-	-	-	-
PERMIT.....	6,700	2,079	-	-	-	-
POMPANO.....	3,600	5,407	-	-	-	-

(CONTINUED ON NEXT PAGE)

FLORIDA, WEST COAST - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	LINES					
	HAND		TROLL		LONG OR SET WITH HOOKS	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
SCUP OR PORGY.....	117,900	36,892	-	-	-	-
SEA BASS, BLACK.....	32,700	7,121	-	-	-	-
SEA CATFISH.....	4,400	220	-	-	300	27
SEA TROUT OR WEAKFISH:						
SPOTTED.....	141,700	68,680	39,700	21,845	-	-
WHITE.....	19,000	3,917	17,900	6,256	-	-
SHARKS, UNCLASSIFIED.....	12,400	1,210	-	-	88,600	7,491
SHEEPSHEAD, SALTWATER.....	27,000	4,730	-	-	-	-
SNAPPERS,						
LANE.....	14,000	5,555	-	-	-	-
MANGROVE.....	268,700	144,773	-	-	-	-
MUTTON.....	179,400	126,630	-	-	-	-
RED.....	2,836,800	3,222,264	-	-	-	-
VERMILION.....	479,500	416,851	-	-	-	-
YELLOWTAIL.....	762,400	669,075	-	-	-	-
SPOT.....	100	29	-	-	-	-
SWORDFISH.....	2,400	2,308	-	-	-	-
TENPOUNDER.....	2,700	115	-	-	-	-
TILEFISH.....	97,200	34,804	-	-	-	-
TRIGGERFISH.....	59,500	8,669	-	-	-	-
TRIPLETAIL.....	4,100	128	-	-	-	-
WAHOO.....	-	-	200	56	-	-
WARSAW.....	176,700	60,058	-	-	-	-
UNCLASSIFIED.....	314,900	47,320	-	-	-	-
TOTAL.....	11,401,100	7,990,762	1,173,500	316,494	128,100	23,206

SPECIES	DIP NETS, COMMON		CAST NETS		SPEARS	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
FLOUNDERS, UNCLASSIFIED.....	-	-	-	-	42,300	19,904
MOJARRA.....	-	-	2,300	377	-	-
MULLET, BLACK (LISA).....	-	-	142,900	29,400	-	-
UNCLASSIFIED.....	-	-	6,300	423	-	-
LOBSTERS, SPINY.....	9,400	15,363	-	-	-	-
TOTAL.....	9,400	15,363	151,500	30,200	42,300	19,904

SPECIES	DREDGES, SCALLOP, BAY		TONGS, OYSTER		HOOKS	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
OYSTERS, MARKET:						
PUBLIC:						
SPRING.....	-	-	1,676,600	1,219,410	-	-
FALL.....	-	-	2,271,300	1,657,507	-	-
PRIVATE:						
SPRING.....	-	-	90,100	64,995	-	-
FALL.....	-	-	33,000	23,695	-	-
SCALLOPS, BAY.....	46,000	57,820	-	-	-	-
SPONGES:						
GRASS.....	-	-	-	-	1,700	4,854
SHEEPSWOOL.....	-	-	-	-	4,300	51,548
YELLOW.....	-	-	-	-	1,000	3,070
TOTAL.....	46,000	57,820	4,071,000	2,965,607	7,000	59,472

SPECIES	HOOKS - CONTINUED		DIVING OUTFITS				BY HAND OYSTER	
	OTHER		SPONGE		OTHER			
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
GROUPERS.....	-	-	-	-	8,200	4,796	-	-
HOGFISH.....	-	-	-	-	1,000	373	-	-
JEWFISH.....	-	-	-	-	2,500	717	-	-
SNAPPER, MUTTON.....	-	-	-	-	9,900	7,211	-	-
LOBSTERS, SPINY.....	-	-	-	-	23,500	38,405	-	-
CONCHS.....	800	870	-	-	-	-	-	-
SPONGES:								
SHEEPSWOOL.....	-	-	1,600	19,180	-	-	-	-
YELLOW.....	-	-	100	728	-	-	-	-
OYSTERS, MARKET, PUBLIC:								
SPRING.....	-	-	-	-	-	-	200	309
FALL.....	-	-	-	-	-	-	500	614
TOTAL.....	800	870	1,700	19,908	45,100	51,502	700	923

GULF FISHERIES

ALABAMA
OPERATING UNITS BY GEAR, 1977

ITEM	OTTER TRAWLS, SHRIMP	POTS AND TRAPS, CRAB, BLUE	GILL NETS, RUNAROUND	TRAMMEL NETS
	NUMBER			
FISHERMEN ON VESSELS FULL-TIME ON BOATS AND SHORE	1,174	-	-	-
FULL-TIME	149	70	4	62
PART-TIME	80	6	2	-
TOTAL	1,403	76	6	62
VESSELS MOTOR	469	-	-	-
GROSS TONNAGE	30,508	-	-	-
BOATS				
MOTOR	139	72	6	50
OTHER	-	-	3	23
GEAR	984	12,600	6	62

ITEM	LINES, HAND	SPEARS	TONGS, OYSTER	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER			
FISHERMEN ON VESSELS FULL-TIME ON BOATS AND SHORE	48	-	-	1,222
FULL-TIME	12	9	268	414
PART-TIME	22	22	86	170
TOTAL	82	31	354	1,806
VESSELS MOTOR	7	-	-	476
GROSS TONNAGE	434	-	-	30,942
BOATS				
MOTOR	34	31	209	491
OTHER	-	-	11	35
GEAR	81	31	354	-

ALABAMA - LANDINGS OF CATCH BY GEAR, 1977

SPECIES	OTTER TRAWLS, SHRIMP		POTS AND TRAPS, CRAB, BLUE		GILL NETS, RUNAROUND	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BLUEFISH	100	6	-	-	1,600	160
CABO	1,700	82	-	-	-	-
CROAKER	2,715,800	392,432	-	-	-	-
DRUM						
BLACK	23,600	1,241	-	-	-	-
RED	82,000	8,280	-	-	-	-
FLOUNDERS UNCLASSIFIED	543,000	135,994	-	-	-	-
GROUPERS	3,100	507	-	-	-	-
JEWFISH	2,900	401	-	-	-	-
KING WHITING OR KINGFISH	142,100	17,953	-	-	-	-
MACKEREL SPANISH	10,000	726	-	-	800	85
MULLET BLACK (LISA)	3,000	270	-	-	-	-
POMPANO	5,900	2,749	-	-	400	236
SEA CATFISH	53,100	2,822	-	-	-	-
SEA TROUT OR WEAFFISH						
SPOTTED	900	374	-	-	-	-
WHITE	445,200	56,539	-	-	-	-
SHEEPSHEAD SALTWATER	151,000	8,806	-	-	-	-
SNAPPER RED	83,700	27,941	-	-	-	-
SPOT	4,100	266	-	-	-	-
CRABS BLUE HARD	22,900	5,983	2,151,200	541,724	-	-
SHRIMP	25,031,100	33,486,694	-	-	-	-
SQUID	3,200	584	-	-	-	-
TOTAL	29,288,400	34,150,650	2,151,200	541,724	2,800	481

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ALABAMA - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	TRAMMEL NETS		LINES, HAND		SPEARS		TONGS, OYSTER	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BLUEFISH	100	8	100	11	-	-	-	-
CATFISH	100	14	-	-	-	-	-	-
CROAKER	38,000	4,496	12,300	2,237	-	-	-	-
DRUM:								
BLACK	1,300	90	-	-	-	-	-	-
RED	3,400	527	-	-	-	-	-	-
FLOUNDERS, UNCLASSIFIED	15,200	6,996	100	28	40,200	20,267	-	-
GROUPEFS	-	-	86,800	37,947	-	-	-	-
JEWFISH	-	-	19,600	5,830	-	-	-	-
KING WHITING OR "KINGFISH"	100	9	-	-	-	-	-	-
MACKEREL, SPANISH	200	43	100	12	-	-	-	-
MULLET, BLACK (LISA)	874,200	139,966	-	-	-	-	-	-
SEA CATFISH	2,400	150	-	-	-	-	-	-
SEA TROUT OR WEAKFISH:								
SPOTTED	19,100	8,369	1,600	794	-	-	-	-
WHITE	3,400	287	-	-	-	-	-	-
SHEEPSHEAD, SALTWATER	22,900	1,259	-	-	-	-	-	-
SNAPPER, RED	-	-	455,900	323,915	-	-	-	-
SPOT	10,200	770	-	-	-	-	-	-
CRABS, BLUE, HARD	-	-	100	12	-	-	-	-
OYSTERS, MARKET, PUBLIC:								
SPRING	-	-	-	-	-	-	385,800	377,869
FALL	-	-	-	-	-	-	1,163,400	1,170,530
TOTAL	990,600	162,984	576,600	370,786	40,200	20,267	1,549,200	1,548,399

MISSISSIPPI

OPERATING UNITS BY GEAR, 1977

ITEM	PURSE SEINES	OTTER TRAWLS		POTS AND TRAPS, CRAB, BLUE	GILL NETS, RUNAROUND
		FISH	SHRIMP		
		NUMBER			
FISHERMEN:					
ON VESSELS:					
FULL-TIME	221	48	992	-	21
PART-TIME	-	-	-	-	6
ON BOATS AND SHORE:					
FULL-TIME	7	-	185	36	15
PART-TIME	2	-	400	30	11
TOTAL	230	48	1,577	66	53
VESSELS, MOTOR	13	15	430	-	5
GROSS TONNAGE	4,800	2,611	17,147	-	185
BOATS, MOTOR	28	-	515	57	15
GEAR	15	30	1,158	4,580	20

ITEM	TRAMMEL NETS	LINES, HAND	SPEARS	DREDGES, OYSTER, COMMON	TONGS, OYSTER	TOTAL, EXCLUSIVE OF DUPLICATION
FISHERMEN:						
ON VESSELS:						
FULL-TIME	-	163	-	163	-	1,509
PART-TIME	-	-	-	-	-	6
ON BOATS AND SHORE:						
FULL-TIME	1	-	-	62	292	453
PART-TIME	-	12	3	52	192	515
TOTAL	1	175	3	277	484	2,483
VESSELS, MOTOR	-	18	-	51	-	487
GROSS TONNAGE	-	1,314	-	1,115	-	26,047
BOATS, MOTOR	1	6	3	59	462	945
GEAR	1	157	3	164	462	-

GULF FISHERIES

MISSISSIPPI - LANDINGS OF CATCH BY GEAR, 1977

SPECIES	PURSE SEINES		OTTER TRAWLS			
			FISH			
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
CREVALLE	14,700	1,161	-	-	-	-
DRUM:						
BLACK	6,800	668	-	-	-	-
RED	88,600	13,290	-	-	-	-
MULLET, BLACK (LISA)	250,300	34,566	-	-	-	-
SNAPPER, RED	-	-	12,400	6,858	-	-
UNCLASSIFIED	228,961,700	10,297,520	66,475,600	2,112,227	-	-
SQUID	-	-	3,700	595	-	-
TOTAL	229,322,100	10,347,205	66,491,700	2,119,680	-	-

SPECIES	OTTER TRAWLS - CONTINUED		POTS AND TRAPS, CRAB, BLUE		GILL NETS, RUNAROUND	
	SHRIMP		POUNDS	DOLLARS	POUNDS	DOLLARS
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BLUEFISH	-	-	-	-	24,900	4,351
BLUE RUNNER	-	-	-	-	1,500	120
CREVALLE	-	-	-	-	10,800	774
CROAKER	102,600	15,229	-	-	234,700	35,710
DRUM:						
BLACK	4,000	245	-	-	32,900	2,583
RED	17,100	2,173	-	-	45,600	11,671
FLOUNDERS, UNCLASSIFIED	41,900	11,955	-	-	-	-
GROUPERS	200	40	-	-	-	-
KING WHITING OR "KINGFISH"	66,300	9,428	-	-	500	100
MACKEREL, SPANISH	400	48	-	-	145,400	29,501
MULLET, BLACK (LISA)	-	-	-	-	697,500	98,616
POMPANO	-	-	-	-	3,000	3,750
SEA CATFISH	7,200	590	-	-	2,500	232
SEA TROUT OR WEAKFISH:						
SPOTTED	-	-	-	-	137,900	65,295
WHITE	16,300	2,133	-	-	15,100	2,474
SHARKS, UNCLASSIFIED	600	90	-	-	7,600	1,140
SHEEPSHEAD, SALTWATER	24,100	2,127	-	-	9,400	1,106
SNAPPER, RED	1,000	130	-	-	200	50
SPOT	400	48	-	-	2,600	295
TUNA, LITTLE	-	-	-	-	4,300	215
UNCLASSIFIED	-	-	-	-	1,700	255
CRABS, BLUE, HARD	4,200	1,060	1,914,400	472,107	-	-
SHRIMP	10,576,400	10,112,995	-	-	-	-
TOTAL	10,862,700	10,158,291	1,914,400	472,107	1,378,100	258,238

SPECIES	TRAMMEL NETS		LINES, HAND		SPEARS	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BLUEFISH	-	-	1,100	239	-	-
CABIO	-	-	300	105	-	-
CROAKER	-	-	56,400	12,224	-	-
DRUM, RED	-	-	4,000	1,701	-	-
FLOUNDERS, UNCLASSIFIED	-	-	100	25	4,900	2,890
GROUPERS	-	-	125,500	44,050	-	-
MACKEREL, SPANISH	-	-	700	165	-	-
MULLET, BLACK (LISA)	800	96	-	-	-	-
SEA TROUT OR WEAKFISH:						
SPOTTED	-	-	9,100	5,003	-	-
WHITE	-	-	9,000	1,937	-	-
SNAPPER, RED	-	-	1,425,900	936,810	-	-
TOTAL	800	96	1,632,100	1,002,259	4,900	2,890

SPECIES	DREDGES, OYSTER, COMMON		TONGS, OYSTER	
	POUNDS	DOLLARS	POUNDS	DOLLARS
OYSTERS, MARKET:				
PUBLIC:				
SPRING	574,300	436,605	426,400	331,577
FALL	149,600	151,260	192,400	198,916
PRIVATE:				
SPRING	21,800	16,350	-	-
FALL	21,500	21,500	-	-
TOTAL	767,200	625,715	618,800	530,493

LOUISIANA OPERATING UNITS BY GEAR, 1977

ITEM	HÁUL SEINES, COMMON	PURSE SEINES	BUTTERFLY NETS	OTTER TRAWLS	
				FISH	SHRIMP
NUMBER					
FISHERMEN: ON VESSELS, FULL-TIME.....	-	1,172	99	27	3,931
ON BOATS AND SHORE:					
FULL-TIME.....	15	8	950	-	3,363
PART-TIME.....	4	-	145	-	1,725
TOTAL.....	19	1,180	1,194	27	9,019
VESSELS, MOTOR.....	-	71	36	9	1,663
GROSS TONNAGE.....	-	30,022	1,123	1,230	93,361
BOATS, MOTOR.....	11	144	598	-	3,849
GEAR.....	7	72	1,294	18	6,803

ITEM	FYKE AND HOOP NETS, FISH	POTS AND TRAPS			GILL NETS	
		CRAB, BLUE	CRAWFISH	FISH	ANCHOR, SET, OR STAKE	RUNAROUND
FISHERMEN: ON VESSELS, FULL-TIME.....	-	-	-	-	-	8
ON BOATS AND SHORE:						
FULL-TIME.....	260	728	150	74	136	154
PART-TIME.....	239	233	184	26	87	11
TOTAL.....	499	961	334	100	223	173
VESSELS, MOTOR.....	-	-	-	-	-	3
GROSS TONNAGE.....	-	-	-	-	-	88
BOATS:						
MOTOR.....	499	933	334	95	209	88
OTHER.....	-	-	-	-	-	1
GEAR.....	20,640	134,125	31,900	2,635	222	93

ITEM	TRAMMEL NETS	LINES			DIP NETS	
		HAND	LONG OR SET WITH HOOKS	TROT WITH BAIT	COMMON	DROP
FISHERMEN: ON VESSELS, FULL-TIME.....	5	-	-	-	-	-
ON BOATS AND SHORE:						
FULL-TIME.....	143	35	416	55	6	-
PART-TIME.....	22	125	348	10	4	2
TOTAL.....	170	160	764	65	10	2
VESSELS, MOTOR.....	2	-	-	-	-	-
GROSS TONNAGE.....	43	-	-	-	-	-
BOATS, MOTOR.....	112	153	757	65	10	2
GEAR.....	108	160	1,544	65	10	150

ITEM	DREDGES, OYSTER, COMMON	TONGS, OYSTER	BRUSH TRAPS	FROG GRABS	BY HAND, OYSTER	TOTAL, EXCLUSIVE OF DUPLICATION						
							NUMBER					
							FISHERMAN: ON VESSELS, FULL-TIME.....	609	-	-	-	-
ON BOATS AND SHORE:												
FULL-TIME.....	370	98	90	16	6	3,994						
PART-TIME.....	30	16	10	2	-	2,424						
TOTAL.....	1,009	114	100	18	6	12,092						
VESSELS, MOTOR.....	222	-	-	-	-	1,930						
GROSS TONNAGE.....	4,749	-	-	-	-	128,045						
BOATS:												
MOTOR.....	215	91	100	18	3	5,192						
OTHER.....	-	-	-	-	-	1						
GEAR.....	794	114	45,000	18	-	-						

GULF FISHERIES

LOUISIANA - LANDINGS OF CATCH BY GEAR, 1977

SPECIES	HAUL SEINES, COMMON		PURSE SEINES	
	POUNDS	DOLLARS	POUNDS	DOLLARS
BUFFALOFISH	400	59	-	-
CARP	2,500	152	-	-
CATFISH AND BULLHEADS	167,000	66,769	-	-
CROAKER	4,200	551	-	-
DRUM:				
BLACK	23,200	3,402	-	-
RED	49,600	16,763	-	-
FLOUNDERS, UNCLASSIFIED	2,900	1,109	-	-
GARFISH	43,700	7,871	-	-
KING WHITING OR "KINGFISH"	200	23	-	-
MACKEREL, SPANISH	100	7	-	-
MULLET, BLACK (LISA)	4,000	319	496,700	39,735
SEA CATFISH	17,800	2,191	-	-
SEA TROUT OR WEAKFISH:				
SPOTTED	9,100	4,522	-	-
WHITE	100	15	-	-
SHAD	12,000	960	-	-
SHEEPSHEAD:				
FRESHWATER	400	65	-	-
SALTWATER	17,900	1,452	-	-
UNCLASSIFIED	112,000	5,860	756,753,100	28,892,165
TOTAL	467,100	112,090	757,249,800	28,931,900

SPECIES	BUTTERFLY NETS		OTTER TRAWLS			
			FISH		SHRIMP	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BLUEFISH	-	-	-	-	1,200	117
CABIO	-	-	-	-	300	42
CROAKER	-	-	-	-	375,600	51,606
DRUM:						
BLACK	-	-	-	-	14,800	2,329
RED	-	-	-	-	7,300	2,757
FLOUNDERS, UNCLASSIFIED	2,200	977	-	-	276,200	95,059
GROUPEFS	-	-	-	-	3,300	926
KING WHITING OR "KINGFISH"	-	-	-	-	64,200	7,765
MACKEREL, SPANISH	-	-	-	-	49,800	7,295
MULLET, BLACK (LISA)	-	-	-	-	30,500	2,148
POMPANO	-	-	-	-	10,000	12,404
SAWFISH	-	-	-	-	9,000	450
SEA CATFISH	-	-	-	-	54,000	8,509
SEA TROUT OR WEAKFISH:						
SPOTTED	-	-	-	-	5,500	2,755
WHITE	-	-	-	-	47,400	9,425
SHARKS, UNCLASSIFIED	-	-	-	-	12,900	1,273
SHEEPSHEAD, SALTWATER	-	-	-	-	53,100	4,665
SNAPPER, RED	-	-	-	-	65,400	50,131
SPOT	-	-	-	-	6,900	803
TRIPLETAIL	-	-	-	-	2,500	361
UNCLASSIFIED	-	-	7,007,400	205,424	-	-
CRABS, BLUE, HARD	5,700	1,764	-	-	152,700	32,521
SHRIMP	10,272,200	5,965,377	-	-	93,772,800	81,217,837
SQUID	-	-	-	-	100	13
TERRAPIN	-	-	-	-	100	29
TOTAL	10,280,100	5,968,118	7,007,400	205,424	95,025,600	81,511,220

SPECIES	FYKE AND HOOP NETS, FISH		POTS AND TRAPS			
			CRAB, BLUE		CRAWFISH	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BOWFIN	28,300	4,200	-	-	-	-
BUFFALOFISH	628,100	95,861	-	-	-	-
CARP	98,900	10,943	-	-	-	-
CATFISH AND BULLHEADS	3,481,700	1,347,412	-	-	-	-
DRUM, RED	800	280	-	-	-	-
GARFISH	13,800	2,043	-	-	-	-
SHEEPSHEAD, FRESHWATER	112,300	14,873	-	-	-	-
UNCLASSIFIED	4,000	200	-	-	-	-
CRABS, BLUE:						
HARD	-	-	15,794,200	3,692,553	-	-
SOFT AND PEELER	-	-	68,300	177,467	-	-
CRAWFISH, FRESHWATER	-	-	-	-	571,600	294,633
TOTAL	4,367,900	1,475,812	15,862,500	3,870,020	571,600	294,633

(CONTINUED ON NEXT PAGE)

LOUISIANA - LANDINGS OF CATCH BY GEAR, 1977- Continued

SPECIES	POTS AND TRAPS - CONTINUED		GILL NETS			
	FISH		ANCHOR, SET, OR STAKE		RUNAROUND	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BLUEFISH	-	-	-	-	1,800	180
BOWFIN	-	-	900	38	-	-
BUFFALOFISH	-	-	112,900	17,456	-	-
CARP	-	-	10,200	635	-	-
CATFISH AND BULLHEADS	644,200	227,812	1,061,400	405,686	-	-
CROAKER	-	-	1,800	265	18,100	2,577
DRUM:						
BLACK	-	-	27,700	4,279	311,000	38,392
RED	-	-	62,600	20,383	841,800	294,569
FLOUNDERS, UNCLASSIFIED	-	-	7,500	3,843	2,200	836
GARFISH	-	-	264,300	42,146	-	-
KING WHITING OR "KINGFISH"	-	-	-	-	700	69
MACKEREL, SPANISH	-	-	-	-	29,300	3,070
MULLET, BLACK (LISA)	-	-	-	-	64,000	4,388
POMPANO	-	-	1,500	2,250	800	1,000
SEA CATFISH	-	-	300	45	800	43
SEA TROUT OR WEAKFISH:						
SPOTTED	-	-	51,200	23,079	785,800	379,933
WHITE	-	-	700	140	32,400	5,102
SHARKS, UNCLASSIFIED	-	-	-	-	1,400	111
SHEEPSHEAD:						
FRESHWATER	-	-	15,200	1,905	-	-
SALTWATER	-	-	100	9	54,600	4,946
SPOT	-	-	200	35	-	-
UNCLASSIFIED	-	-	6,000	300	-	-
TOTAL	644,200	227,812	1,624,500	522,494	2,144,700	735,216

SPECIES	TRAMMEL NETS		LINES			
			HAND		LONG OR SET WITH HOOKS	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BUFFALOFISH	14,300	2,152	-	-	13,700	1,834
CARP	900	59	-	-	700	57
CATFISH AND BULLHEADS	31,500	12,762	700	221	3,060,700	1,129,607
CROAKER	5,000	728	-	-	-	-
DRUM:						
BLACK	205,700	33,298	500	98	-	-
RED	468,700	160,817	4,300	1,436	400	92
FLOUNDERS, UNCLASSIFIED	900	303	600	329	-	-
GARFISH	12,000	1,538	400	84	43,200	7,648
GROUPEES	-	-	800	230	-	-
MACKEREL, SPANISH	1,900	211	100	7	-	-
PADDLEFISH	-	-	-	-	100	12
SEA CATFISH	5,300	781	500	66	3,000	374
SEA TROUT OR WEAKFISH:						
SPOTTED	231,600	116,838	1,300	585	-	-
WHITE	8,400	1,931	200	45	-	-
SHAD	35,000	1,750	-	-	-	-
SHARKS, UNCLASSIFIED	122,800	12,272	-	-	-	-
SHEEPSHEAD:						
FRESHWATER	1,800	277	-	-	200	26
SALTWATER	7,300	856	-	-	-	-
SNAPPER, RED	-	-	33,600	20,289	-	-
TURTLES, SNAPPER	-	-	-	-	9,600	5,643
TOTAL	1,153,100	346,573	43,000	23,390	3,131,600	1,145,293

SPECIES	LINES - CONTINUED		DIP NETS			
	TROT WITH BAITS		COMMON		DROP	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
CRABS, BLUE:						
HARD	201,700	38,334	-	-	-	-
SOFT AND PEELER	-	-	3,400	9,513	-	-
CRAWFISH, FRESHWATER	-	-	-	-	900	520
SHRIMP	-	-	200	76	-	-
TOTAL	201,700	38,334	3,600	9,589	900	520

(CONTINUED ON NEXT PAGE)

GULF FISHERIES

LOUISIANA - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	DREDGES, OYSTER, COMMON		TONGS, OYSTER		BRUSH TRAPS	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
CRABS, SOFT AND PEELER.....	-	-	-	-	153,000	382,559
OYSTERS, MARKET:						
PUBLIC:						
SPRING.....	442,400	450,583	181,700	160,413	-	-
FALL.....	403,600	446,381	23,300	25,981	-	-
PRIVATE:						
SPRING.....	5,902,300	5,397,719	220,600	201,639	-	-
FALL.....	2,874,400	3,658,371	15,700	20,772	-	-
TOTAL.....	9,622,700	9,953,054	441,300	408,805	153,000	382,559
SPECIES	FROG GRABS		BY HAND, OYSTER			
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
OYSTERS, MARKET, PRIVATE,						
SPRING.....	-	-	1,500	-	-	1,271
FROGS.....	6,100	4,987	-	-	-	-
TOTAL.....	6,100	4,987	1,500	-	-	1,271

TEXAS

OPERATING UNITS BY GEAR, 1977

ITEM	HAUL SEINES, COMMON	OTTER TRAWLS, SHRIMP	POTS AND TRAPS, CRAB, BLUE	GILL NETS, ANCHOR, SET, OR STAKE	TRAMMEL NETS	LINES
						HAND
NUMBER						
FISHERMEN:						
ON VESSELS, FULL-TIME.....	-	5,016	-	-	-	127
ON BOATS AND SHORE:						
FULL-TIME.....	19	482	161	32	122	70
PART-TIME.....	15	90	6	-	-	142
TOTAL.....	34	5,588	167	32	122	339
VESSELS, MOTOR.....	-	1,806	-	-	-	25
GROSS TONNAGE.....	-	132,416	-	-	-	1,038
BOATS, MOTOR.....	10	444	167	32	117	109
GEAR.....	10	5,014	21,500	32	113	336
ITEM	LINES - CONTD	SPEARS	DREDGES, OYSTER, COMMON	TONGS, OYSTER	TOTAL, EXCLUSIVE OF DUPLICATION	
	LONG OR SET WITH HOOKS					
NUMBER						
FISHERMEN:						
ON VESSELS FULL-TIME.....	-	-	372	-	5,277	
ON BOATS AND SHORE:						
FULL-TIME.....	172	7	102	2	870	
PART-TIME.....	-	-	-	-	253	
TOTAL.....	172	7	474	2	6,400	
VESSELS, MOTOR.....	-	-	170	-	1,882	
GROSS TONNAGE.....	-	-	2,936	-	134,534	
BOATS, MOTOR.....	172	12	61	2	884	
GEAR.....	169	12	231	2	-	

TEXAS - LANDINGS OF CATCH BY GEAR, 1977

SPECIES	HAUL SEINES, COMMON		OTTER TRAWLS, SHRIMP		POTS AND TRAPS, CRAB, BLUE	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
CROAKER.....	-	-	12,200	2,659	-	-
DRUM:						
BLACK.....	-	-	165,100	40,242	-	-
RED.....	28,100	15,897	33,300	18,717	-	-

(CONTINUED ON NEXT PAGE)

TEXAS - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	HAUL SEINES, COMMON		OTTER TRAWLS, SHRIMP		POTS AND TRAPS, CRAB, BLUE	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
FLOUNDERS, UNCLASSIFIED.....	-	-	244,100	135,790	-	-
GROUPERS.....	-	-	4,700	1,240	-	-
KING WHITING OR "KINGFISH".....	-	-	33,400	5,404	-	-
MULLET, BLACK (LISA).....	-	-	8,800	1,743	-	-
POMPANO.....	400	348	-	-	-	-
SEA CATFISH.....	-	-	54,400	9,718	-	-
SEA TROUT OR WEAKFISH:						
SPOTTED.....	105,500	59,762	24,100	13,309	-	-
WHITE.....	-	-	5,600	3,298	-	-
SHEEPSHEAD, SALTWATER.....	-	-	152,300	17,168	-	-
SNAPPER, RED.....	-	-	121,200	102,158	-	-
UNCLASSIFIED.....	-	-	273,600	38,911	-	-
CRABS, BLUE, HARD.....	-	-	285,800	60,447	7,962,800	1,886,293
SHRIMP.....	-	-	92,344,100	126,888,498	-	-
SQUID.....	-	-	13,800	4,144	-	-
TOTAL.....	134,000	76,007	93,776,500	127,343,446	7,962,800	1,886,293

SPECIES	GILL NETS, ANCHOR, SET, OR STAKE		TRAMMEL NETS		LINES	
	POUNDS	DOLLARS	POUNDS	DOLLARS	HAND	
					POUNDS	DOLLARS
CABIO.....	-	-	-	-	20,000	4,714
CROAKER.....	-	-	100	5	-	-
DRUM:						
BLACK.....	25,700	6,929	367,500	104,322	15,000	3,853
RED.....	24,200	14,442	354,000	207,553	18,200	8,988
FLOUNDERS, UNCLASSIFIED.....	14,700	8,673	6,700	3,955	3,200	1,436
GROUPERS.....	-	-	-	-	17,300	3,914
POMPANO.....	-	-	200	100	-	-
SEA CATFISH.....	1,700	285	1,100	162	-	-
SEA TROUT OR WEAKFISH:						
SPOTTED.....	88,100	51,581	510,000	286,923	53,200	27,337
WHITE.....	-	-	900	254	-	-
SHEEPSHEAD, SALTWATER.....	4,500	307	54,500	4,885	-	-
SNAPPER, RED.....	-	-	-	-	318,800	318,717
UNCLASSIFIED.....	-	-	3,100	522	-	-
TOTAL.....	158,900	82,217	1,298,100	608,681	445,700	368,959

SPECIES	LINES - CONTINUED		SPEARS	
	LONG OR SET WITH HOOKS		POUNDS	DOLLARS
	POUNDS	DOLLARS		
CROAKER.....	20,500	1,292	-	-
DRUM:				
BLACK.....	880,200	244,454	-	-
RED.....	493,000	245,939	-	-
FLOUNDERS, UNCLASSIFIED.....	34,500	18,264	7,700	3,455
POMPANO.....	200	74	-	-
SEA CATFISH.....	17,000	3,862	-	-
SEA TROUT OR WEAKFISH,				
SPOTTED.....	565,900	284,264	-	-
SHEEPSHEAD, SALTWATER.....	82,600	6,453	-	-
UNCLASSIFIED.....	22,900	5,611	-	-
TOTAL.....	2,116,800	810,213	7,700	3,455

SPECIES	DREDGES, OYSTER, COMMON		TONGS, OYSTER	
	POUNDS	DOLLARS	POUNDS	DOLLARS
OYSTERS, MARKET, PUBLIC:				
SPRING.....	1,744,000	1,758,413	6,100	5,812
FALL.....	847,400	1,224,372	3,000	3,147
TOTAL.....	2,591,400	2,982,785	9,100	8,959

GULF FISHERIES

GULF SHRIMP FISHERY
SUMMARY OF GULF SHRIMP LANDINGS, 1977

SIZE	BROWN		PINK	
	POUNDS	DOLLARS	POUNDS	DOLLARS
UNDER 15	871 660	3 786 005	131 885	483 700
15 - 20	5 097 849	18 211 171	908 127	3 173 586
21 - 25	10 718 862	30 891 966	1 302 660	4 236 891
26 - 30	9 842 203	25 772 381	1 680 545	5 288 207
31 - 40	18 790 870	40 631 482	3 622 785	8 719 313
41 - 50	9 843 270	15 927 778	2 397 166	4 044 822
51 - 67	14 566 707	18 525 033	5 455 452	7 318 588
68 AND OVER PIECES	28 365 978	21 663 605	1 428 360	1 378 882
	673 683	714 853	12 089	18 752
TOTAL	98 571 080	176 124 272	17 137 049	34 660 820

SIZE	WHITE		SEA BOBS	
	POUNDS	DOLLARS	POUNDS	DOLLARS
UNDER 15	723 459	2 994 500		
15 - 20	3 380 968	11 881 905		
21 - 25	5 293 806	15 199 998		
26 - 30	4 973 157	12 750 748		
31 - 40	7 708 005	18 147 698		
41 - 50	3 361 835	5 457 686		
51 - 67	6 301 056	7 977 481		
68 AND OVER PIECES	14 422 001	11 422 654	3 346 399	1 397 686
	69 444	64 719		
TOTAL	46 213 731	83 897 387	3 346 399	1 397 686

SIZE	ROYAL RED		ROCK		TOTAL	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
UNDER 15					1 726 984	7 264 205
15 - 20					9 364 944	33 266 861
21 - 25	1 832	4 159			17 317 160	50 333 034
26 - 30	17 369	39 302			16 513 274	43 850 638
31 - 40	102 822	240 436			30 224 482	66 736 908
41 - 50	26 667	44 110			15 628 936	25 474 494
51 - 67	3 272	3 925			26 326 467	33 825 027
68 AND OVER PIECES	208	51	1 483 250	1 272 496	49 046 214	37 133 354
					755 196	798 324
TOTAL	152 170	331 983	1 483 250	1 272 496	166 903 679	297 684 644

NOTE—ALL WEIGHTS ON A HEADS-OFF BASIS. LANDINGS FIGURES REPRESENT THE HEADS-OFF WEIGHT AND THEREFORE ARE NOT DIRECTLY COMPARABLE WITH THE HEADS-ON (LIVE WEIGHT) QUANTITIES PUBLISHED IN THE GENERAL REVIEW AND REGIONAL TABLES. POUNDS OF HEADS-OFF SHRIMP MAY BE CONVERTED TO HEADS-ON (ROUND) WEIGHT BY MULTIPLYING BROWN SHRIMP WEIGHT BY 1.61, PINK BY 1.60, WHITE, BY 1.54, SEA BOBS, BY 1.53, ROYAL RED, BY 1.80, AND ROCK SHRIMP, BY 1.67.

GULF SHRIMP LANDINGS BY SPECIES AND SIZE, 1977

SPECIES AND SIZE	FLORIDA, WEST COAST		ALABAMA		MISSISSIPPI	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BROWN:						
UNDER 15	8,410	31,992	59,900	265,343	675	2,363
15 — 20	68,884	238,561	619,600	2,222,991	48,330	189,107
21 — 25	196,640	559,034	1,835,600	5,438,366	72,230	216,285
26 — 30	138,787	375,252	1,513,200	4,239,250	228,050	598,753
31 — 40	384,424	845,446	2,624,800	5,875,070	601,820	1,217,382
41 — 50	333,523	548,597	1,743,000	2,875,852	1,217,425	1,767,849
51 — 67	672,200	873,603	2,458,700	3,152,629	1,769,840	2,085,526
68 AND OVER	63,103	71,792	1,582,200	1,590,847	1,460,780	1,425,433
PIECES	540	620	8,900	8,431	-	-
TOTAL	1,866,511	3,544,897	12,445,900	25,668,779	5,399,150	7,502,698
PINK:						
UNDER 15	126,447	458,472	2,100	10,123	-	-
15 — 20	880,772	3,062,776	6,700	28,686	1,300	5,590
21 — 25	1,252,065	4,040,995	17,600	68,462	11,620	42,884
26 — 30	1,831,694	5,124,145	8,400	29,238	20,420	67,302
31 — 40	3,461,726	8,277,209	42,800	115,220	66,085	180,448
41 — 50	2,251,303	3,745,715	35,100	69,217	73,865	150,824
51 — 67	5,222,737	6,927,603	157,000	260,908	50,331	88,642
68 AND OVER	890,844	705,416	441,200	536,392	78,900	114,639
PIECES	6,206	8,722	-	-	-	-
TOTAL	15,923,794	32,351,053	710,900	1,118,246	302,521	650,329
WHITE:						
UNDER 15	11,201	40,045	35,200	152,006	125	469
15 — 20	79,299	248,005	473,400	1,596,442	131,189	418,071
21 — 25	175,652	487,106	843,600	2,431,191	196,941	536,214
26 — 30	239,815	604,509	397,400	1,075,367	129,102	322,445
31 — 40	216,641	477,814	400,500	905,867	114,273	250,412
41 — 50	124,708	211,731	128,500	226,495	51,796	91,828
51 — 67	287,423	385,697	117,600	174,480	66,695	103,811
68 AND OVER	152,752	116,568	89,700	95,658	198,822	217,444
PIECES	-	-	2,500	2,560	-	-
TOTAL	1,287,491	2,571,475	2,488,400	6,660,066	888,943	1,940,694
SEA BOBS, 68 AND OVER, TOTAL	13,093	8,391	-	-	18,700	16,024
ROYAL RED:						
21 — 25	1,832	4,159	-	-	-	-
26 — 30	15,769	33,430	1,600	5,872	-	-
31 — 40	90,622	204,101	10,900	33,085	1,300	3,250
41 — 50	26,667	44,110	-	-	-	-
51 — 67	3,172	3,739	100	186	-	-
68 AND OVER	208	51	-	-	-	-
PIECES	-	51	-	-	-	-
TOTAL	138,270	289,590	12,600	39,143	1,300	3,250
ROCK, 68 AND OVER, TOTAL	1,454,150	1,247,837	600	460	-	-
GRAND TOTAL	20,683,309	40,013,243	15,658,400	33,486,694	6,610,614	10,112,995

SPECIES AND SIZE	LOUISIANA		TEXAS		TOTAL	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BROWN:						
UNDER 15	146,629	616,188	656,046	2,870,119	871,660	3,786,005
15 — 20	451,598	1,700,302	3,909,437	13,860,210	5,097,849	18,211,171
21 — 25	675,857	2,162,793	7,938,535	22,515,508	10,718,862	30,891,986
26 — 30	768,330	2,168,480	6,993,836	18,390,646	9,642,203	25,772,381
31 — 40	2,347,697	5,178,149	12,832,129	27,515,415	18,790,870	40,631,462
41 — 50	2,009,833	3,148,550	4,539,489	7,586,928	9,843,270	15,927,776
51 — 67	5,555,936	6,588,272	4,110,031	5,825,003	14,566,707	18,525,033
68 AND OVER	21,850,232	16,112,414	3,409,661	2,463,119	28,365,976	21,663,605
PIECES	46,509	43,617	617,734	662,185	673,683	714,853
TOTAL	33,852,621	37,718,765	45,006,898	101,689,133	98,571,080	176,124,272
PINK:						
UNDER 15	82	311	3,236	14,794	131,865	483,700
15 — 20	2,415	9,854	14,940	66,679	906,127	3,173,585
21 — 25	2,720	9,481	18,655	75,069	1,302,660	4,236,891
26 — 30	3,764	11,654	16,267	55,868	1,880,545	5,288,207
31 — 40	8,465	23,651	43,709	122,785	3,622,785	8,719,313
41 — 50	4,629	9,934	32,269	69,232	2,397,166	4,044,922
51 — 67	5,100	8,530	20,284	32,905	5,455,452	7,318,588
68 AND OVER	3,163	3,658	14,273	16,757	1,428,380	1,376,862
PIECES	250	125	5,613	9,905	12,069	18,752
TOTAL	30,588	77,198	169,246	463,994	17,137,049	34,660,820

SEE NOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

GULF FISHERIES

GULF SHRIMP LANDINGS BY SPECIES AND SIZE, 1977 - Continued

SPECIES AND SIZE	LOUISIANA		TEXAS		TOTAL	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
WHITE:						
UNDER 15	524,384	2,172,309	152,549	629,671	723,459	2,994,500
15 — 20	2,063,285	7,311,352	613,795	2,308,035	3,380,968	11,881,905
21 — 25	2,378,716	6,923,164	1,696,897	4,622,323	5,293,808	15,199,998
26 — 30	2,111,462	5,499,802	2,095,378	5,248,623	4,973,157	12,750,748
31 — 40	4,173,312	8,644,475	2,803,279	5,869,130	7,708,005	16,147,698
41 — 50	1,973,346	3,233,207	1,063,485	1,694,425	3,361,835	5,457,688
51 — 67	3,708,460	4,700,289	2,120,878	2,613,204	6,301,058	7,977,481
68 AND OVER	11,928,616	9,504,017	2,052,111	1,488,967	14,422,001	11,422,654
PIECES	58,132	49,079	8,812	13,080	69,444	64,719
TOTAL	28,919,713	48,037,694	12,629,184	24,687,458	46,213,731	83,697,387
SEA BOBS, 68 AND OVER, TOTAL	3,238,628	1,348,674	75,978	24,597	3,348,399	1,397,686
ROYAL, RED:						
21 — 25	-	-	-	-	1,832	4,159
26 — 30	-	-	-	-	17,369	39,302
31 — 40	-	-	-	-	102,822	240,436
41 — 50	-	-	-	-	26,687	44,110
51 — 67	-	-	-	-	3,272	3,825
68 AND OVER	-	-	-	-	208	51
TOTAL	-	-	-	-	152,170	331,983
ROCK, 68 AND OVER, TOTAL	760	883	27,740	23,316	1,483,250	1,272,498
GRAND TOTAL	66,042,310	87,183,214	57,909,046	126,888,498	166,903,679	297,684,644

NOTE:—ALL WEIGHTS ARE ON A HEADS-OFF BASIS. LANDINGS FIGURES REPRESENT THE HEADS-OFF WEIGHT AND, THEREFORE, ARE NOT DIRECTLY COMPARABLE WITH THE HEADS-ON (LIVE WEIGHT) QUANTITIES PUBLISHED IN THE GENERAL REVIEW AND REGIONAL TABLES. POUNDS OF HEADS-OFF SHRIMP MAY BE CONVERTED TO HEADS-ON (ROUND) WEIGHT BY MULTIPLYING BROWN SHRIMP WEIGHT BY 1.61; PINK, BY 1.60; WHITE, BY 1.54; ROYAL RED, BY 1.80; AND ROCK SHRIMP, BY 1.67.

SOUTH ATLANTIC AND GULF COAST SHRIMP LANDINGS, 1977

SPECIES AND SIZE	SOUTH ATLANTIC		GULF		TOTAL	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BROWN:						
UNDER 15	186	678	871,660	3,786,005	871,846	3,786,683
15 — 20	379,294	1,231,376	5,097,849	18,211,171	5,477,143	19,442,547
21 — 25	719,022	2,050,786	10,718,862	30,891,986	11,437,884	32,942,772
26 — 30	1,391,811	3,578,995	9,842,203	25,772,381	11,034,014	29,351,376
31 — 40	2,229,342	4,838,223	18,790,870	40,631,462	21,020,212	45,469,685
41 — 50	1,324,549	2,140,787	9,843,270	15,927,776	11,167,819	18,068,563
51 — 67	472,257	618,653	14,586,707	18,525,033	15,038,964	19,141,686
68 AND OVER	70,662	66,472	28,365,976	21,663,605	28,436,638	21,730,077
PIECES	-	-	673,683	714,853	673,683	714,853
TOTAL	6,587,123	14,523,970	98,571,080	176,124,272	105,158,203	190,648,242
PINK:						
UNDER 15	283	1,208	131,865	483,700	132,148	484,908
15 — 20	34,025	120,839	906,127	3,173,585	940,152	3,294,424
21 — 25	57,360	178,607	1,302,660	4,236,891	1,360,020	4,415,498
26 — 30	10,692	30,512	1,880,545	5,288,207	1,891,237	5,318,719
31 — 40	106,283	217,498	3,622,785	8,719,313	3,729,068	8,936,811
41 — 50	83,067	132,199	2,397,166	4,044,922	2,480,233	4,177,121
51 — 67	145,348	185,456	5,455,452	7,318,588	5,600,800	7,504,044
68 AND OVER	63,709	64,079	1,428,380	1,376,862	1,492,089	1,440,941
PIECES	-	-	12,069	18,752	12,069	18,752
TOTAL	500,767	930,398	17,137,049	34,660,820	17,637,816	35,591,218
WHITE:						
UNDER 15	-	-	723,459	2,994,500	723,459	2,994,500
15 — 20	253,700	769,714	3,360,968	11,881,905	3,614,668	12,651,619
21 — 25	1,399,275	3,656,927	5,293,806	15,199,998	6,693,081	18,856,925
26 — 30	793,372	1,910,609	4,973,157	12,750,746	5,766,529	14,661,355
31 — 40	518,185	1,129,974	7,708,005	16,147,698	8,226,190	17,277,672
41 — 50	163,151	294,776	3,361,835	5,457,686	3,524,986	5,752,462
51 — 67	79,880	116,470	6,301,056	7,977,481	6,380,936	8,093,951
68 AND OVER	13,940	14,492	14,422,001	11,422,654	14,435,941	11,437,146
PIECES	-	-	69,444	64,719	69,444	64,719
TOTAL	3,221,503	7,892,962	46,213,731	83,897,387	49,435,234	91,790,349
SEA BOBS, 68 AND OVER, TOTAL	-	-	3,346,399	1,397,686	3,346,399	1,397,686
ROYAL RED:						
21 — 25	2,479	8,847	1,832	4,159	4,311	13,006
26 — 30	4,097	13,410	17,369	39,302	21,466	52,712
31 — 40	7,342	18,836	102,822	240,436	110,164	259,272
41 — 50	4,636	7,770	26,867	44,110	31,303	51,880
51 — 67	1,104	1,705	3,272	3,925	4,376	5,630
68 AND OVER	-	-	208	51	208	51
TOTAL	19,658	50,568	152,170	331,983	171,828	382,551
ROCK, 68 AND OVER, TOTAL	1,003,480	949,541	1,483,250	1,272,496	2,486,730	2,222,037
GRAND TOTAL	11,332,531	24,347,439	166,903,679	297,684,644	178,236,210	322,032,083

NOTE:—ALL WEIGHTS ARE ON HEADS-OFF BASIS. THE SIZE INDICATES THE NUMBER OF HEADS-OFF SHRIMP TO THE POUND. TO CONVERT TO HEADS-ON WEIGHT MULTIPLY BY 1.61 FOR BROWN, 1.60 FOR PINK, 1.54 FOR WHITE, 1.53 FOR SEA BOBS, 1.80 FOR ROYAL RED, AND 1.67 FOR ROCK SHRIMP. THE STATES LISTED REPRESENT THE STATES WHERE THE SHRIMP WERE LANDED REGARDLESS OF WHERE CAUGHT. THE NAMES OF THE SPECIES USED IN THESE TABLES ARE AS FOLLOWS: BROWN SHRIMP (MOSTLY PENAEUS AZTECUS), PINK SHRIMP (MOSTLY PENAEUS DUORARUM), WHITE SHRIMP (MOSTLY PENAEUS SETIFERUS), SEA BOBS (MOSTLY XIPHOPENAEUS KROYERI), ROYAL RED SHRIMP (MOSTLY HYMENOPENAEUS ROBUSTUS), AND ROCK SHRIMP (MOSTLY SICYONIA spp.). THE VALUE REPORTED IS THE AMOUNT RECEIVED BY THE OWNERS OR OPERATORS OF THE VESSELS FOR THE FIRST SALE AT THE DOCK. ANY EXPENSES INVOLVED IN HANDLING OR PROCESSING ASHORE ARE NOT INCLUDED, EVEN THOUGH CHARGEABLE TO THE VESSEL. THE SIZE REPORTED GENERALLY IS THAT USED AS OF THE FIRST SALE. SIZE GRADING IN VARYING DEGREES OF UNIFORMITY MAY OR MAY NOT OCCUR AT, OR PRIOR TO, THE TIME SALES ARE MADE. IF GRADING IS NOT DONE AT THIS TIME, THE SIZE REPORTED IS AN AVERAGE SIZE AND MAY INCLUDE SEVERAL SIZE CLASSIFICATIONS.

MAJOR SHRIMP CATCH STATISTICAL AREAS, GULF OF MEXICO



GULF COAST SHRIMP CATCH BY AREA, DEPTH, AND SIZE, 1977

MAJOR WATER AREA, DEPTH AND SPECIES	TRIPS	SIZE (HEADS-OFF PER POUND)								TOTAL
		UNDER 15	15 — 20	21 — 25	26 — 30	31 — 40	41 — 50	51 — 67	68 & OVER(1)	
	NUMBER	POUNDS								
SANIBEL AND TORTUGAS										
006 — 020FMS BROWN	-	-	627	2,031	3,872	-	2,350	-	-	8,880
000 — 005FMS PINK	-	-	1,817	-	-	3,153	4,670	15,291	2,552	27,483
006 — 020FMS PINK	99,549	681,019	1,030,122	1,527,785	2,925,694	1,813,948	4,227,825	1,210,499	13,516,241	
021 — 035FMS PINK	4,974	28,546	20,480	73,986	30,200	1,257	2,360	1,029	162,832	
021 — 250FMS ROYAL RED	-	-	1,832	15,769	89,295	26,667	3,172	208	136,943	
006 — 020FMS ROCK	458,023	-	-	-	-	-	-	-	458,023	
021 — 025FMS ROCK	26,164	-	-	-	-	-	-	-	26,164	
TOTAL	8,739.7	588,710	710,192	1,056,282	1,621,412	3,048,342	1,848,892	4,248,448	1,214,288	14,336,566
APALACHICOLA AREA										
000 — 005FMS BROWN	43	9,119	17,465	38,585	143,833	87,408	306,104	26,949	629,506	
006 — 015FMS BROWN	15	1,256	3,260	6,879	7,797	6,131	1,410	20	26,768	
021 — 065FMS BROWN	-	-	-	-	280	-	-	-	280	
000 — 005FMS PINK	324	5,274	6,882	7,800	85,630	245,337	871,005	50,994	1,273,246	
006 — 020FMS PINK	20,513	118,408	100,200	91,081	130,066	115,149	201,230	120,074	896,721	
021 — 025FMS PINK	-	1,709	-	-	-	-	-	-	1,709	
000 — 005FMS WHITE	197	20,786	41,264	116,400	112,863	86,803	289,723	151,585	799,821	
006 — 015FMS WHITE	-	-	-	145	1,526	893	1,531	68	4,163	
000 — 005FMS SEA BOB	13,093	-	-	-	-	-	-	-	13,093	
000 — 005FMS ROCK	6,799	-	-	-	-	-	-	-	6,799	
006 — 020FMS ROCK	359,334	-	-	-	-	-	-	-	359,334	
021 — 025FMS ROCK	744	-	-	-	-	-	-	-	744	
TOTAL	13,765.2	401,062	156,552	169,071	260,890	481,995	541,721	1,651,003	349,690	4,011,984
PENSACOLA TO MISSISSIPPI RIVER										
000 — 005FMS BROWN	-	5,693	57,864	278,887	860,836	1,831,547	2,676,937	2,146,687	7,858,451	
006 — 020FMS BROWN	13,165	89,338	514,364	662,379	1,458,447	999,311	1,402,776	538,839	5,678,619	
021 — 035FMS BROWN	2,710	83,693	159,097	147,417	106,255	82,828	55,122	84,785	721,907	
000 — 005FMS PINK	-	600	1,215	2,300	16,628	47,005	31,271	8,280	107,299	
006 — 020FMS PINK	-	2,453	7,691	14,786	62,933	46,034	30,218	3,218	167,333	
021 — 025FMS PINK	-	700	5,200	7,600	7,624	-	4,925	-	26,049	
000 — 005FMS WHITE	2,433	142,547	282,852	229,530	213,275	142,631	161,494	618,833	1,793,595	
006 — 015FMS WHITE	32,644	218,722	304,680	191,781	181,777	67,815	81,889	31,879	1,091,187	
000 — 005FMS SEA BOB	38,195	-	-	-	-	-	-	-	38,195	
021 — 280FMS ROYAL RED	-	-	-	1,600	12,062	-	100	-	13,762	
006 — 020FMS ROCK	39,063	-	-	-	-	-	-	-	39,063	
TOTAL	21,862.9	128,210	543,746	1,332,963	1,536,280	2,919,837	3,217,171	4,424,732	3,432,521	17,535,460
MISSISSIPPI RIVER TO TEXAS										
000 — 005FMS BROWN	10,451	66,578	94,839	122,130	597,264	809,216	4,168,141	20,436,954	26,305,573	
006 — 020FMS BROWN	104,641	535,003	1,258,904	1,329,240	3,872,518	2,091,309	2,217,264	1,764,642	13,173,521	
021 — 115FMS BROWN	207,025	1,775,026	2,853,298	1,021,743	1,027,518	253,596	178,290	156,560	7,473,056	
000 — 005FMS PINK	-	-	-	-	821	-	-	-	821	
006 — 020FMS PINK	-	-	-	-	-	2,755	483	13,460	16,698	
021 — 025FMS PINK	-	1,676	-	-	2,996	-	-	-	4,672	
000 — 005FMS WHITE	191,164	1,041,596	1,658,151	1,684,248	3,691,085	1,707,504	3,383,455	11,165,627	24,522,830	
006 — 015 FMS WHITE	378,803	1,493,506	1,680,450	832,461	1,065,571	358,096	398,371	601,480	6,808,738	
000 — 005 FMS SEA BOB	2,920,384	-	-	-	-	-	-	-	2,920,384	
006 — 010 FMS SEA BOB	292,708	-	-	-	-	-	-	-	292,708	
021 — 025 FMS ROCK	2,264	-	-	-	-	-	-	-	2,264	
TOTAL	137,455.9	4,107,440	4,913,385	7,545,642	4,989,822	10,257,773	5,222,476	10,346,004	34,138,723	81,521,265
TEXAS COAST										
000 — 005 FMS BROWN	5,146	19,873	13,189	6,975	88,629	60,268	193,506	2,087,337	2,474,923	
006 — 020 FMS BROWN	142,145	932,903	2,720,574	3,329,077	7,910,981	2,833,307	2,979,715	1,527,232	22,375,934	
021 — 350 FMS BROWN	158,344	1,197,630	2,690,061	2,509,162	2,413,136	687,328	328,461	207,913	10,192,035	
006 — 020 FMS PINK	-	-	1,046	172	1,882	-	-	-	3,100	
000 — 005 FMS WHITE	22,744	157,180	399,601	911,445	1,599,117	902,875	1,951,577	1,895,306	7,839,845	
006 — 015 FMS WHITE	95,474	286,476	926,808	1,007,147	842,791	95,197	69,276	26,667	3,349,836	
000 — 005 FMS SEA BOB	82,019	-	-	-	-	-	-	-	82,019	
006 — 020 FMS ROCK	32,969	-	-	-	-	-	-	-	32,969	
TOTAL	68,040.8	538,841	2,594,062	6,751,279	7,763,978	12,856,536	4,578,975	5,522,535	5,744,455	46,350,661

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

GULF FISHERIES

GULF COAST SHRIMP CATCH BY AREA, DEPTH, AND SIZE, 1977 - Continued

MAJOR WATER AREA, DEPTH AND SPECIES	TRIPS	SIZE (HEADS-OFF PER POUND)							TOTAL	
		UNDER 15	15 - 20	21 - 25	26 - 30	31 - 40	41 - 50	51 - 67		68 & OVER(1)
	NUMBER	POUNDS								
HIGH SEAS OFF MEXICAN COAST WEST OF 94° LONGITUDE										
006 —020 FMS BROWN	746	7,975	13,933	6,494	14,313	7,798	4,733	2,993	58,985	
021 —055 FMS BROWN	227,189	372,074	318,982	178,600	287,629	90,256	54,043	58,659	1,587,432	
021 —030 FMS P. BRASIL	-	-	-	-	1,303	3,318	-	-	4,621	
021 —035 FMS ROCK	135	-	-	-	-	-	-	-	135	
TOTAL	606.5	228,070	380,049	332,915	185,094	303,245	101,372	58,776	61,652	1,651,173
HIGH SEAS OFF OREGON AND CAMPECHE										
021 —030 FMS BROWN	40	1,061	1,001	763	1,434	617	205	89	5,210	
021 —025 FMS PINK	82	75	40	19	35	34	-	-	285	
006 —020 FMS P. BRASIL	351	3,961	7,953	10,072	27,124	8,008	5,005	3,506	65,980	
021 —055 FMS P. BRASIL	5,766	60,229	117,092	139,970	319,421	108,035	64,011	26,424	840,948	
006 —020 FMS ROCK	107,187	-	-	-	-	-	-	-	107,187	
021 —050 FMS ROCK	372,755	-	-	-	-	-	-	-	372,755	
TOTAL	320.9	486,181	65,326	126,086	150,824	348,014	116,694	69,221	30,019	1,392,365
CARRIBEAN SEA SOUTH OF 21° NORTH LATITUDE										
000 —005 FMS WHITE	-	155	-	-	-	21	3,740	-	3,916	
006 —020 FMS P. BRASIL	-	113	827	1,920	1,340	152	62	-	4,414	
021 —035 FMS P. BRASIL	306	1,364	2,095	2,655	5,935	1,464	1,968	413	16,198	
006 —020 FMS ROCK	486	-	-	-	-	-	-	-	486	
021 —035 FMS ROCK	24,542	-	-	-	-	-	-	-	24,542	
TOTAL	13.5	25,334	1,632	2,922	4,575	7,275	1,637	5,768	413	49,556
ATLANTIC OCEAN										
006 —015 FMS PINK	-	-	-	399	-	-	-	-	399	
021 —200 FMS ROYAL RED	-	-	-	-	1,465	-	-	-	1,465	
006 —015 FMS ROCK	48,876	-	-	-	-	-	-	-	48,876	
021 —200 FMS ROCK	3,909	-	-	-	-	-	-	-	3,909	
TOTAL	14.6	52,785	-	-	399	1,465	-	-	-	54,649
GRAND TOTAL	250,820.0	6,556,633	9,364,944	17,317,160	16,513,274	30,224,482	15,628,938	26,326,487	44,971,761	166,903,679

(1) INCLUDES PIECES.

NOTE.— THESE DATA REPRESENT THE CATCH OF VESSELS COMPLETING TRIPS DURING THE MONTH, REGARDLESS OF WHEN THE LANDINGS OCCURRED. CONSEQUENTLY, THE DATA ARE NOT DIRECTLY COMPARABLE WITH DATA IN THE TABLE OF SHRIMP LANDINGS. A SINGLE TRIP IS SHOWN FOR EACH VOYAGE. FOR THE SHRIMP CATCH IN THE GULF OF MEXICO, ADDITIONAL TABULATIONS IN MORE DETAIL BY AREA, DEPTH, SIZE, AND FISHING EFFORT ARE SHOWN IN "GULF COAST SHRIMP DATA", A MONTHLY AND ANNUAL BULLETIN THAT MAY BE OBTAINED FROM THE NATIONAL MARINE FISHERIES SERVICE, RESOURCE STATISTICS DIVISION, WASHINGTON, D.C. 20235.

SECTION 7

PACIFIC COAST FISHERIES

Landings by U.S. commercial fishermen in the Pacific Coast States of Alaska, Washington, Oregon, and California were 1.8 billion pounds valued at a record \$672.7 million in 1977, up 2 percent in quantity and 25 percent in value compared with 1976. Pacific Coast landings were the largest in quantity since 1950. Larger landings in Alaska, Oregon, and Washington offset a 7 percent decline in California.

California and Alaska accounted for 86 percent of the total Pacific Coast landings. Salmon, crabs, and tuna made up 81 percent of the value.

Alaska again led the other States in 1977 with \$349.2 million followed by California with \$188.9 million. The four high value species, salmon and king, snow, and dungeness crab, made up most of the value of Alaska landings. Tuna made up the bulk of the value of the landings in California.

The total foreign catch in 1977 from Pacific Coast waters was 1.5 million metric tons (3.3 billion pounds) down 22 percent compared with 1976, and almost twice the size of the domestic catch. This was the fifth year in a row that foreign catches have declined since 1971, the peak year. The catch of all countries either declined or increased only slightly, except for Korea. The total catch by Korean vessels in 1977 was more than 5 times greater than in 1976.

In 1977, Japan with 1.1 million metric tons, accounted for 74 percent of the total foreign catch off the Pacific Coast States; the U.S.S.R., 280,697 metric tons, 19 percent; Korea, 80,157 metric tons, 5 percent; Poland, 19,817 metric tons, 1 percent; and Canada, with 2,694 metric tons, accounted for one-tenth of one percent. Catches from waters off Alaska accounted for more than 92 percent of the foreign catch off Pacific Coast States; catches off California, Oregon, and Washington accounted for the remainder.

Alaska pollock was the leading species in the foreign catch, accounting for more tonnage than all other species combined. In 1977, the foreign catch of Alaska pollock was 2.2 billion pounds (1,009,826 metric tons). The catch of Pacific hake was 259 million pounds (117,592 metric tons); flounder, turbot, and other flatfish except halibut, 310 million pounds (140,538 metric tons); Pacific cod, 86 million pounds (38,921 metric tons); rockfishes, except Pacific ocean perch, 57 million pounds (25,692 metric tons); sablefish, 45 million pounds (20,393 metric tons); atka mackerel, 43 million pounds (19,429 metric tons); sea herring, 41 million pounds (18,736 metric tons); and snow (tanner) crab, 27 million pounds (12,471 metric tons). The remainder consisted of miscellaneous groundfish species; catches of salmon, shrimp, halibut, jack mackerel, and snails were negligible.

Fishermen and craft. The Pacific Coast fleet of fishing vessels (craft of 5 net tons or more) continued to increase in number and total tonnage in 1977, a trend unbroken since 1964. In 1977, the number of fishing vessels was 7,643 with a total tonnage of 293,227, up 6 percent in number and 3 percent in tonnage compared with 1976. The number of fishermen aboard these vessels rose to 25,283, up 7 percent. The number of boats in service rose to 15,433, 12 percent more than in 1976. The number of fishermen on boats and shore was 28,765, an increase of 17 percent compared with 1976.

Processed products. The value of Pacific Coast production of processed products was a record \$1,332.5 million in 1977, up 16 percent compared with 1976. California accounted for 49 percent of the total; Alaska, 39 percent; Washington, 6 percent; and Oregon, 6 percent. The value of canned products, mainly tuna and salmon comprised 57 percent of the total for the Pacific Coast states; fresh and frozen products, 37 percent, cured and industrial products made up the remainder.

PACIFIC COAST FISHERIES

The increase in the value of processed products was due to sharply higher production levels of fresh, frozen, and canned products and moderate increases in price. The Pacific Coast States had 432 processing plants that employed a total of 19,612 persons on a regular basis and 28,939 at the season's peak in 1977. In the same year, excluding Alaska there were 163 wholesale establishments employing 1,518 persons on a regular basis and 1,978 at the season's peak. Compared with 1976, the number of processing plants increased by 34 and the number of regular employees by 1,889. The number of seasonal workers increased by 2,951.

Anchovy. Pacific Coast landings of anchovy (northern anchovy) were 223.3 million pounds valued at \$5.1 million—a decrease of 40.2 million pounds (15 percent) in quantity and \$1.5 million (23 percent) in value compared with 1976. Greater than 99 percent of all U.S. landings of anchovy are caught in California waters. Virtually all of the catch was taken by purse seine vessels and used primarily for reduction to fish meal and oil. The remainder was caught in lampara nets and sold live for bait.

Although anchovy landings are shown here on a calendar-year basis, the State of California regulated the anchovy season to begin in August and continue into May of the following year. The record harvest in 1975 was due to a relaxation of these regulations to allow more fishing for reduction purposes, however, beginning in August 1976 the California Fish and Game Commission adopted a more restrictive policy.

Bonito. Landings of bonito were 22.5 million pounds valued at \$4.4 million, up 152 percent in quantity and 267 percent in value compared with the 1976 landings. All landings were made at California ports; 11.5 million pounds (51 percent) came from waters south of California.

Flounders. Landings of Pacific flounders and turbot were 53.5 million pounds valued at \$10.7 million. This was 14 percent less in quantity but 4 percent more in value compared with 1976. Slightly less than 90 percent of the total landings consisted of various species of sole—dover, english, petrale, and rex. California was the leading State, accounting for 60 percent of total flounder and turbot landings. Oregon followed with 20 percent; Washington, 17 percent; and Alaska, 3 percent.

Jack mackerel. Pacific Coast landings of jack mackerel were 105.0 million pounds valued at \$5.1 million, up 134 percent in quantity and 144 percent in value compared with 1976. All jack mackerel were caught in waters off the State of California and landed at Southern California ports.

Halibut. Landings of Pacific halibut at ports in the Pacific States were 17.3 million pounds valued at \$16.9 million, a 5 percent decrease in quantity and a 23 percent decrease in value compared with 1976. Nearly 94 percent of total landings were made in Alaska. Almost all of the remainder was landed in Washington. Kodiak, Seward, and Petersburg, Alaska were the leading halibut ports. Prices received by fishermen were relatively unchanged throughout 1977, and averaged about 97 cents per pound.

Management of the Pacific fishery by the International Pacific Halibut Commission (IPHC) reduced the U.S. and Canadian catch quota to 22 million pounds (dressed weight). The reduction of the quota in 1977 from the 25 million pounds set in 1976 was deemed necessary for conservation of the resource.

Lingcod. Pacific Coast landings of lingcod were 5.9 million pounds valued at \$1.1 million, down 25 percent in quantity and 3 percent in value compared with 1976. Washington was the leading State with 53 percent of the total; California was next with 29 percent; then Oregon, 17 percent; and Alaska, 1 percent.

Pacific cod. U.S. landings of Pacific cod were 10.7 million pounds valued at \$1.7 million, down 17 percent in quantity and 1 percent in value compared with 1976. Washington led the other States with 86 percent of the total quantity; Alaska and Oregon accounted for the remainder.

The foreign catch of Pacific cod was 85.8 million pounds, down 34 percent compared with the 129.6 million pounds taken in 1976. All of the catch was taken in Alaska waters. Japan took 97 percent and the U.S.S.R. accounted for the remainder. The Korean Republic dropped out of the fishery in 1977.

Pacific hake. U.S. landings of Pacific hake (whiting) were 4.7 million pounds valued at \$126,000—an increase of 241,000 pounds (12 percent) in quantity and \$49,000 (67 percent) in value. Over 77 percent of the catch was landed in Washington, 21 percent was landed in Oregon, and California accounted for the remainder.

Foreign catches totaled 259.2 million pounds, down 34 percent from 1976 and a continued decline from 1974, the record year. The U.S.S.R. share was 220.3 million pounds in 1977, down 119.0 million pounds from 1976. The Polish catch, however, was 38.9 million pounds in 1977 compared with 52.2 million pounds in 1976. All of the catch came from waters off California, Oregon, and Washington.

Pacific ocean perch and other rockfishes. Total U.S. landings of Pacific ocean perch and other rockfishes were 57.1 million pounds valued at \$9.2 million, an increase of 15 percent in quantity and 33 percent in value compared with 1976. The quantity was the largest since 1965 and the value was a record. Landings of Pacific ocean perch were 5.9 million pounds in 1977, up slightly from 1976. Landings of other rockfishes were 51.2 million pounds in 1977, 16 percent above 1976, and 11 percent less than the record year 1945.

Foreign catches off the Pacific Coast States were larger than domestic landings. In 1977, foreign catches were 72.6 million pounds—down 134.7 million pounds compared to 1976. The Pacific ocean perch catch was 16.0 million pounds, and the catch of other rockfishes was 56.6 million pounds. Most of the catch was made in the Gulf of Alaska (73 percent) and in the Bering Sea and Aleutians (25 percent). The remaining 2 percent was taken in waters off California, Oregon, and Washington.

Sea herring. U.S. landings of Pacific sea herring were 49.6 million pounds valued at \$5.8 million, up 14 percent in quantity and up 51 percent in value compared with 1976. Alaska accounted for 63 percent of the total quantity landed; Washington, 13 percent; and California, 24 percent. About 67 percent of Pacific sea herring landings was used for human consumption; almost all of the remainder was used as bait in other fisheries.

Landings of sea herring declined to very low levels in 1965-72. In that period they ranged from a high of 34.5 million pounds in 1965 to a low of 14.2 million pounds in 1971. Since 1973, however, landings have increased to almost 50 million pounds in 1977.

The foreign catch off U.S. shores was 41.3 million pounds in 1977, down 19 percent compared with 1976. The U.S.S.R. accounted for 70 percent and Japan, 30 percent. In 1977, all of the catch came from the Bering Sea-Aleutian area.

Sablefish. U.S. landings of sablefish (black cod) were 18.5 million pounds valued at \$4.1 million, up 5 percent in quantity and 77 percent in value compared with 1976. Fluctuations in the landings from year to year are caused by changes in market demand. Increased landings since 1972 are in large part a result of a growing market for export to Japan. About 72 percent of total landings are made in California.

The foreign catch of sablefish off the Pacific Coast States was 45.0 million pounds, down 51 percent compared with 1976. Japan accounted for 90 percent of total landings, and the Republic of Korea, 8 percent. The U.S.S.R., Canada, Poland, and Taiwan accounted for the small remainder.

The foreign catch of sablefish in the California-Oregon-Washington area was 593,037 pounds in 1977. The catch in the Gulf of Alaska was 34.2 million pounds; and the Bering Sea-Aleutian area, 10.2 million pounds.

PACIFIC COAST FISHERIES

Pacific salmon. Pacific salmon landings were 377.1 million pounds valued at a record \$252.2 million, up 22 percent in quantity and 32 percent in value compared with 1976. Landings were above the previous 5-year average of 237.9 million pounds and the best since 1971.

Commercial landings in Alaska were 307.4 million pounds, an increase of 25 percent compared with 1976. Alaska pink salmon landings (129.6 million pounds) increased 26 percent; red salmon (89.8 million pounds), up 19 percent; chum salmon (60.5 million pounds), up 27 percent; and silver (15.4 million pounds) and chinook (12.1 million pounds) increased 38 and 36 percent, respectively.

Commercial Washington landings of salmon were 53.1 million pounds, an increase of 29 percent compared with 1976. The principal reason for the increase in landings of pink salmon was because of the usual bi-annual off year fluctuation in production in Puget Sound.

Oregon commercial landings of salmon (10.7 million pounds) were down 30 percent from 1976. Silver salmon landings were 3.3 million pounds, down 69 percent, while chinook landings of 7.0 million pounds showed an increase of 47 percent.

California salmon landings decreased to 5.9 million pounds (24 percent) compared with 7.8 million pounds in 1976. The North Pacific Regional Fishery Management Council is developing a Fishery Management Plan for the recreational and commercial troll salmon fisheries.

Almost all foreign fishing for salmon in waters off the Pacific Coast is prohibited by treaty. Fishing for salmon in these waters by Canadian vessels is regulated under bilateral agreements with Canada.

Tuna. Landings of tuna in the Pacific Coast States were 319.5 million pounds, down 32.7 percent compared with the record landings of 1976. The value of the landings was \$124.5 million. Decreases in landings of both skipjack and yellowfin tuna were responsible for the decline from the 1976 record quantity.

Yellowfin landings accounted for 62 percent of Pacific Coast tuna landings; skipjack accounted for 26 percent; albacore, 8 percent; and bluefin, 2 percent. California accounted for 95 percent of Pacific Coast landings in 1977. Oregon and Washington received the remainder.

Yellowfin tuna fishing by U.S. fishermen is closely regulated by NMFS and the U.S. Coast Guard in a major producing area of the eastern Pacific Ocean. The regulation is in response to recommendations of the Inter-American Tropical Tuna Commission (IATTC). In the Commission's Yellowfin Regulatory Area (CYRA) the total yellowfin quota for member nations in 1977 was 210,000 short tons with allowances for two increments of 10,000 tons each should data from the fishery warrant such increases. In 1977 the CYRA season on yellowfin opened on January 1. The quota was easily reached, and the season was closed July 7, 1977. The U.S. share of the yellowfin catch in the CYRA was 60 percent—a decrease of 10 percent from 1976.

Crabs, Dungeness. Landings of Dungeness crabs in the Pacific Coast States were 69.6 million pounds valued at a record 31.7 million in 1977, up 102 percent in quantity compared with 1976 and 48 percent above the average for the previous 5 years. The sharp increase in landings appears to be a combination of increased effort and availability of species.

Crabs, king. Pacific Coast landings of king crab, all of which were landed in Alaska, were 98.4 million pounds valued at a record \$102.0 million, down 7 percent in quantity but up 49 percent in value compared with 1976. King crab landings have risen irregularly since the low point of 52.1 million pounds in 1970, but are well below the record 159.2 million pounds set in 1966.

As a result of international agreements, fishing by foreign vessels for king crab in waters off Alaska was not permitted after 1973.

Crabs, snow (tanner). U.S. landings of snow crab were a record 98.5 million pounds valued at a record \$35.5 million, up 22 percent in quantity and 119 percent in value.

The increase in landings reflected an increased availability in the western region of Alaska where the landings were 53.2 million pounds compared with 22.9 million pounds in 1976—an increase of 132 percent. Increased effort in 1977 in the western region of Alaska accounted for part of the increase, but an increase in average pounds per pot from 1754 to 2752 lbs in 1976 and 1977, respectively, was the major contributing factor.

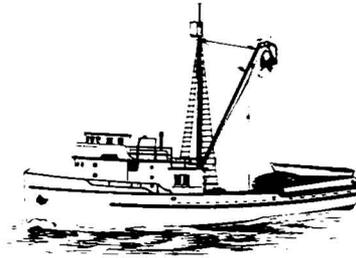
Foreign catches of snow crab off U.S. shores (27.5 million pounds) were taken by Japan.

Oysters. The yield of oyster meats in the Pacific Coast States was 7.2 million pounds valued at \$10.6 million—increases of 13 percent in volume and 27 percent in value over 1976. Washington accounted for 84 percent of the production.

Shrimp. Landings of Pacific Coast shrimp were 192.4 million pounds valued at \$38.1 million—up 15 percent in volume and 90 percent in value over 1976. Alaska led in U.S. production for the sixth consecutive year with 116.1 million pounds—this was a drop of 10 percent compared with 1976. Landings of shrimp in Oregon were a record 48.6 million pounds (up 91 percent); Washington, 11.8 million (up 2 percent); and California, 15.9 million pounds (up 265 percent) compared with 1976.

Acknowledgments. The following organizations collected data or supplied narrative material for this section: Alaska Department of Fish and Game, Washington Department of Fisheries, Oregon Fish Commission, California Department of Fish and Game, and the Pacific Marine Fisheries Commission.

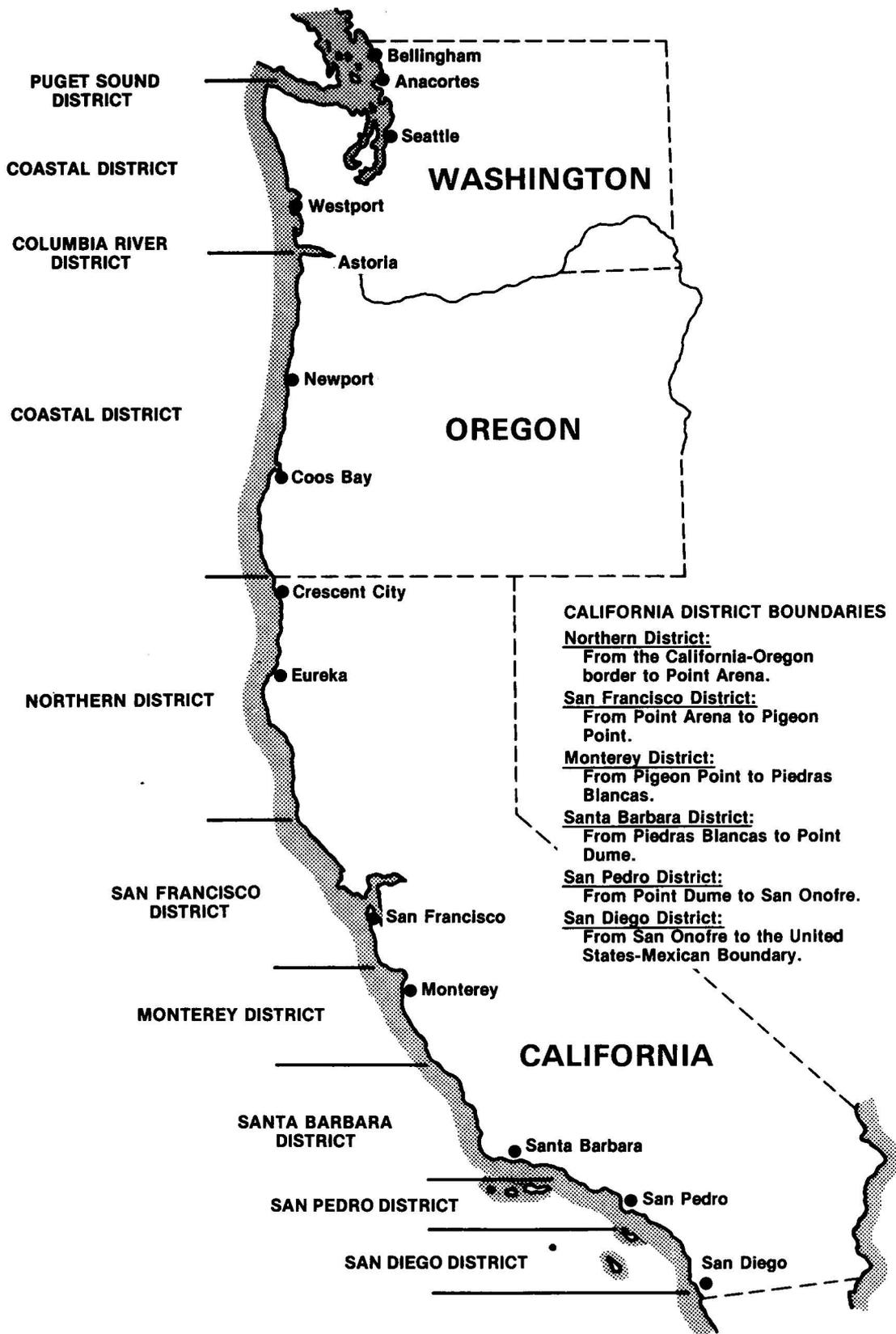
PACIFIC COAST FISHERIES



PACIFIC COAST STATES



PACIFIC COAST STATES - Continued



PACIFIC COAST FISHERIES

SECTIONAL SUMMARIES SUMMARY OF LANDINGS, 1977

STATE	FISH		SHELLFISH ET AL.		TOTAL	
	MILLION POUNDS	MILLION DOLLARS	MILLION POUNDS	MILLION DOLLARS	MILLION POUNDS	MILLION DOLLARS
ALASKA.....	360	190	315	159	675	349
WASHINGTON.....	126	68	38	21	164	89
OREGON.....	46	25	69	20	115	45
CALIFORNIA.....	758	162	98	27	856	189
TOTAL.....	1,291	446	519	227	1,809	673

TABLE MAY NOT ADD BECAUSE OF ROUNDING.

SUMMARY OF OPERATING UNITS, 1977

ITEM	ALASKA	WASHINGTON	OREGON	CALIFORNIA	TOTAL, EXCLUSIVE OF DUPLICATION
					NUMBER
FISHERMEN:					
ON VESSELS:					
FULL-TIME.....	9,805	4,954	3,754	10,138	25,281
PART-TIME.....	-	2	-	-	2
ON BOATS AND SHORE:					
FULL-TIME.....	9,533	4,020	3,475	11,877	27,809
PART-TIME.....	-	936	20	-	956
TOTAL.....	19,338	9,912	7,249	22,015	54,048
VESSELS, MOTOR.....					
GROSS TONNAGE.....	2,650	2,258	1,535	2,677	7,643
BOATS:	91,604	58,781	37,378	151,366	293,227
MOTOR.....	5,150	3,759	2,280	4,333	14,937
OTHER.....	-	83	-	413	496
GEAR:					
HAUL SEINES, COMMON.....	27	76	6	9	118
PURSE SEINES:					
ANCHOVY.....	-	-	-	10	10
HERRING.....	-	32	-	-	32
MACKEREL.....	-	-	-	48	48
SALMON.....	1,149	352	-	-	1,347
TUNA.....	-	-	2	154	156
OTHER.....	-	-	-	251	251
LAMPARA NETS:					
MACKEREL.....	-	-	-	21	21
SQUID.....	-	-	-	32	32
TUNA.....	-	-	-	5	5
OTHER.....	-	-	-	52	52
BEAM TRAWLS, SHRIMP.....	22	5	-	-	27
OTTER TRAWLS:					
FISH.....	86	136	726	725	1,630
SHRIMP.....	133	90	183	58	399
OTHER.....	-	34	-	-	34
POUND NETS, FISH.....	1	12	-	-	13
FLOATING TRAPS:					
POTS AND TRAPS:					
CRAB:					
DUNGENESS.....	16,195	33,348	73,429	83,980	200,711
KING.....	64,189	-	-	-	64,189
OTHER.....	52,624	-	-	-	52,624
CRAWFISH:					
FISH.....	-	300	-	6,200	6,500
LOBSTER, SPINY.....	-	750	1,700	8,385	10,785
OCTOPUS.....	-	130	-	12,300	12,300
SHRIMP.....	6,450	550	-	296	7,296
UNCLASSIFIED.....	-	50	270	-	320
GILL NETS:					
ANCHOR, SET, OR STAKE ...	3,533	214	222	440	4,297

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SUMMARY OF OPERATING UNITS, 1977 - Continued

ITEM	ALASKA	WASHINGTON	OREGON	CALIFORNIA	TOTAL
					EXCLUSIVE OF DUPLICATION
NUMBER					
GEAR - CONTINUED:					
GILL NETS - CONTINUED:					
DRIFT:					
BARRACUDA	-	-	-	76	76
SALMON	4,016	2,126	459	-	6,489
SEA BASS	-	-	-	84	84
SHAD	-	-	126	-	126
OTHER	-	6	25	1,652	1,682
UNCLASSIFIED	-	-	3	-	-
TRAMMEL NETS	-	-	-	33	33
LINES:					
HAND:					
ALBACORE	-	-	-	1,557	1,557
ROCKFISH	-	238	-	495	733
YELLOWFIN	-	-	-	783	783
OTHER	-	-	-	20,748	20,748
TROLL:					
SALMON	9,128	10,812	13,600	17,485	47,981
TUNA	-	3,820	3,904	7,792	13,438
OTHER	-	2,718	4,360	16,992	23,522
LONG OR SET WITH HOOKS	9,103	1,683	5,366	2,660	18,692
DIP NETS:					
COMMON	-	129	32	147	308
DROP	-	30	-	-	30
BRAIL OR SCOOP NETS	-	-	-	39	39
REEF NETS	-	83	-	-	83
WHEELS	140	-	-	-	140
HARPOONS:					
SWORDFISH	-	-	-	188	188
OTHER	-	-	-	20	20
WATER PUMP	-	-	43	-	43
DREDGES:					
CLAM	-	5	-	-	5
OYSTER:					
COMMON	-	42	4	-	46
SUCTION	-	4	-	-	4
SCALLOP, SEA	2	-	-	-	2
SHOVELS	8	165	311	-	484
DIVING OUTFITS:					
ABALONE	-	-	-	238	238
OTHER	-	44	-	203	247
OTHER	-	-	-	7	7

NOTE:—SOME HAUL SEINES IN ALASKA AND LAMPARA NETS IN CALIFORNIA HAVE BEEN INCLUDED WITH PURSE SEINES.

LANDINGS BY STATES, 1977

SPECIES	ALASKA		WASHINGTON		OREGON	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
ANCHOVIES.....	-	-	317	79	(2)	(2)
ARTIC CHAR.....	4	1	-	-	-	-
CARP.....	-	-	142	1	-	-
COD.....	625	120	9,212	1,430	869	154
FLOUNDERS:						
ARROWTOOTH HALIBUT.....	-	-	-	-	13	2
SANDDABS.....	-	-	(2)	(2)	244	51
"SOLE".....	-	-	7,663	1,501	9,593	2,292
UNCLASSIFIED.....	1,506	305	1,384	145	747	112
GROUNDFISH, UNCLASSIFIED.....	618	99	-	-	-	-
HAKE, PACIFIC (WHITING).....	-	-	3,621	63	972	58
HALIBUT.....	16,191	15,354	1,016	1,407	103	113
HERRING, SEA.....	31,201	2,485	6,665	1,532	54	55
LAMPREY.....	-	-	-	-	2	(2)
LINGCOD.....	50	8	3,150	564	1,001	250
MACKEREL, PACIFIC.....	-	-	(2)	(2)	4	(2)
OCEAN PERCH, PACIFIC.....	-	-	4,470	640	1,446	231
POLLOCK.....	445	45	294	29	-	-
ROCKFISHES.....	230	44	20,454	2,818	6,456	1,033
SABLEFISH.....	1,812	1,113	2,523	890	882	213
SALMON:						
CHINOOK OR KING.....	12,103	14,500	10,635	16,050	6,966	12,024
CHUM OR KETA.....	60,548	27,803	5,014	4,452	1	1
PINK.....	129,554	45,574	13,619	6,013	457	172
RED OR SOCKEYE.....	89,771	68,273	11,357	13,369	(2)	(2)
SILVER OR COHO.....	15,403	14,625	12,447	13,166	3,291	4,331
TOTAL SALMON.....	307,379	170,775	53,072	53,050	10,715	16,528
SAND PERCH.....	-	-	235	66	-	-
SHAD.....	-	-	11	2	370	35
SHARKS:						
GRAYFISH.....	-	-	5,429	361	56	4
SOUPFIN.....	-	-	(2)	(2)	2	(2)
SKATES.....	-	-	25	2	255	51
SMELT:						
EULACHON.....	15	3	855	94	953	95
SURF OR SILVER.....	-	-	113	22	3	(2)
STEELHEAD TROUT.....	24	19	196	182	73	53
STURGEON, COMMON.....	-	-	203	78	258	50
TOMCOD.....	-	-	10	2	-	-
TUNA:						
ALBACORE.....	-	-	4,948	3,105	4,420	1,396
BLUEFIN.....	-	-	2	1	-	-
SKIPJACK.....	-	-	6	2	1,980	742
YELLOWFIN.....	-	-	(2)	(2)	3,878	1,563
TOTAL TUNA.....	-	-	4,956	3,108	10,278	3,701
TURBOT.....	-	-	256	20	162	11
WHITEFISH, OCEAN.....	5	1	-	-	-	-
WOLFFISH.....	-	-	-	-	(2)	(2)
UNCLASSIFIED.....	-	-	95	6	513	57
TOTAL FISH.....	360,105	190,372	126,367	68,092	46,024	25,149
SHELLFISH ET AL.						
CRABS:						
DUNGENESS.....	1,162	436	14,949	7,020	19,902	8,462
KING.....	98,399	102,029	-	-	-	-
SNOW.....	98,463	35,466	-	-	-	-
TOTAL CRABS.....	198,024	137,931	14,949	7,020	19,902	8,462
CRAWFISH, FRESHWATER.....	-	-	3	2	33	19
SAND SHRIMP.....	-	-	-	-	33	14
SHRIMP:						
BAY.....	-	-	38	31	-	-
OCEAN.....	-	-	11,803	2,603	48,580	11,174
UNCLASSIFIED.....	116,084	20,665	-	-	-	-
TOTAL SHRIMP.....	116,084	20,665	11,841	2,634	48,580	11,174

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS BY STATES, 1977 - Continued

SPECIES	ALASKA		WASHINGTON		OREGON	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
SHELLFISH ET AL. - CONTD						
ABALONE.....	3	15	-	-	-	-
CLAMS:						
COCKLE.....	-	-	(2)	(2)	(2)	(2)
GEODUCK.....	-	-	2,853	1,583	-	-
HARD.....	-	-	556	493	(2)	1
RAZOR.....	2	3	143	302	19	37
SOFT, PUBLIC.....	-	-	89	96	(2)	1
UNCLASSIFIED.....	-	-	131	56	55	57
TOTAL CLAMS.....	2	3	3,772	2,530	74	96
MUSSELS, SEA.....	-	-	5	16	-	-
OCTOPUS.....	-	-	17	4	4	1
OYSTERS, MARKET:						
PACIFIC.....	-	-	6,049	8,900	234	351
WESTERN.....	-	-	13	81	-	-
TOTAL OYSTERS.....	-	-	6,062	8,981	234	351
SCALLOPS, SEA.....	22	39	-	-	-	-
SQUID.....	-	-	1	(2)	-	-
KELP (WITH HERRING EGGS).....	693	173	-	-	-	-
SHELLFISH, UNCLASSIFIED.....	-	-	966	95	-	-
TOTAL SHELLFISH ET AL.....	314,828	158,826	37,616	21,282	68,860	20,117
GRAND TOTAL.....	674,933	349,198	163,983	89,374	114,884	45,266

SPECIES	CALIFORNIA (1)		TOTAL	
	THOUSANDS POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
FISH				
ANCHOVIES.....	222,953	5,052	223,270	5,131
ARTIC CHAR.....	-	-	4	1
BARRACUDA.....	77	37	77	37
BLACKFISH.....	32	8	32	8
BONITO.....	22,548	4,358	22,548	4,358
CABEZON.....	12	2	12	2
CARP.....	1	1	143	2
CATFISH AND BULLHEADS.....	9	2	9	2
COD.....	(2)	(2)	10,706	1,704
CROAKER, WHITE.....	588	113	588	113
DOLPHINFISH.....	10	3	10	3
EELS:				
COMMON.....	(2)	(2)	(2)	(2)
MORAY.....	(2)	(2)	(2)	(2)
FLOUNDERS:				
ARROWTOOTH HALIBUT.....	-	-	13	2
CALIFORNIA HALIBUT.....	468	460	468	460
SANDDABS.....	810	197	1,054	248
"SOLE".....	30,592	5,593	47,848	9,386
UNCLASSIFIED.....	-	-	3,637	562
FLYING FISH.....	84	27	84	27
GRENADIER.....	102	7	102	7
GROUND FISH, UNCLASSIFIED.....	-	-	618	99
GROUPERS.....	8	3	8	3
HAKE, PACIFIC (WHITING).....	87	5	4,680	126
HALFMOON.....	41	15	41	15
HALIBUT.....	-	-	17,310	16,874
HERRING, SEA.....	11,653	1,761	49,573	5,833
JACK MACKEREL.....	104,972	5,074	104,972	5,074
LAMPREY.....	-	-	2	(2)
LINGCOD.....	1,694	302	5,895	1,124
MACKEREL, PACIFIC.....	7,311	336	7,315	336
MULLET.....	7	2	7	2
OCEAN PERCH, PACIFIC.....	-	-	5,916	871
OPALEYE.....	2	1	2	1
PERCH.....	230	63	230	63
POLLOCK.....	-	-	739	74
POMPANO.....	56	40	56	40
ROCKFISHES.....	24,016	4,409	51,156	8,304
SABLEFISH.....	13,316	1,844	18,533	4,060
SALMON:				
CHINOOK OR KING.....	5,606	11,485	35,310	54,059
CHUM OR KETA.....	-	-	65,563	32,256
PINK.....	15	9	143,645	51,768
RED OR SOCKEYE.....	-	-	101,128	81,642
SILVER OR COHO.....	298	367	31,439	32,489
UNCLASSIFIED.....	9	19	9	19
TOTAL SALMON.....	5,928	11,880	377,094	252,233

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PACIFIC COAST FISHERIES

LANDINGS BY STATES, 1977 - Continued

SPECIES	CALIFORNIA (1)		TOTAL	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
FISH - CONTINUED				
SAND PERCH	-	-	235	66
SARDINE, PACIFIC	5	1	5	1
SCULPIN	117	53	117	53
SEA BASS:				
BLACK, PACIFIC	49	23	49	23
WHITE	1,200	886	1,200	886
SHAD	-	-	381	37
SHARKS:				
GRAYFISH	385	24	5,870	389
SOUPFIN	-	-	2	(2)
UNCLASSIFIED	1,000	270	1,000	270
SHEEPHEAD	6	2	6	2
SILVERSIDES	1	(2)	1	(2)
SKATES	163	22	443	75
SMELT:				
EULACHON	-	-	1,823	192
SURF OR SILVER	920	120	1,036	142
STEELHEAD TROUT	-	-	293	254
STURGEON, COMMON	-	-	481	128
SUCKERS	39	9	39	9
SWORDFISH	512	1,289	512	1,289
TOMCOD	-	-	10	2
TUNA:				
ALBACORE	15,904	9,183	25,272	13,684
BIGEYE	3,340	1,338	3,340	1,338
BLUEFIN	6,940	2,812	6,942	2,813
SKIPJACK	82,456	28,540	84,442	29,284
YELLOWFIN	195,596	75,832	199,474	77,395
TOTAL TUNA	304,236	117,705	319,470	124,514
TURBOT	20	4	438	35
WAHOO	12	6	12	6
WHITEFISH, OCEAN	2	(2)	7	1
WOLFFISH	-	-	(2)	(2)
YELLOWTAIL, PACIFIC	1,815	381	1,815	381
UNCLASSIFIED	20	2	628	65
TOTAL FISH	758,109	162,372	1,290,605	445,985
SHELLFISH ET AL.				
CRABS:				
DUNGENESS	33,648	15,749	69,661	31,667
KING	-	-	98,399	102,029
ROCK, PACIFIC	1,083	316	1,083	318
SNOW	-	-	98,463	35,466
UNCLASSIFIED	2	1	2	1
TOTAL CRABS	34,733	16,066	267,608	169,479
CRAWFISH, FRESHWATER	595	292	631	313
LOBSTERS, SPINY	251	607	251	607
SAND SHRIMP	-	-	33	14
SHRIMP:				
BAY	-	-	38	31
OCEAN	15,871	3,609	76,254	17,386
UNCLASSIFIED	57	99	116,141	20,764
TOTAL SHRIMP	15,928	3,708	192,433	38,181
ABALONE	287	1,388	290	1,403
CLAMS:				
COCKLE	-	-	(2)	(2)
GEODUCK	-	-	2,853	1,583
HARD	-	-	556	494
RAZOR	-	-	164	342
SOFT, PUBLIC	-	-	89	97
UNCLASSIFIED	1	(2)	187	113
TOTAL CLAMS	1	(2)	3,849	2,629
MUSSELS, SEA	4	3	9	19
OCTOPUS	34	11	55	16
OYSTERS, MARKET:				
EASTERN	4	17	4	17
PACIFIC	926	1,299	7,209	10,550
WESTERN	-	-	13	81
TOTAL OYSTERS	930	1,316	7,226	10,648
SCALLOPS, SEA	-	-	22	39
SQUID	28,244	1,481	28,245	1,481
SEA URCHINS	16,536	1,629	16,536	1,629
FROGS	5	7	5	7
KELP (WITH HERRING EGGS)	-	-	693	173
SHELLFISH, UNCLASSIFIED	17	3	983	98
TOTAL SHELLFISH ET AL.	97,565	26,511	518,869	226,736
GRAND TOTAL	855,674	188,883	1,809,474	672,721

(1) INCLUDES THE CATCH TAKEN OFF LATIN AMERICA AND LANDED AT CALIFORNIA PORTS. (2) LESS THAN 500 POUNDS OR \$500.
NOTE:—CATCH STATISTICS FOR ALASKA, WASHINGTON, AND OREGON ARE SHOWN IN ROUND WEIGHT, WHILE THOSE FOR CALIFORNIA ARE SHOWN IN WEIGHTS AS LANDED, EXCEPT FOR SHELL MOLLUSKS. IN ALL STATES, CLAMS, OYSTERS, AND MUSSELS ARE REPORTED IN WEIGHT OF TOTAL MEATS; ABALONE AND SCALLOPS ARE REPORTED IN WEIGHT OF EDIBLE MEATS. ALASKA DATA INCLUDE THE CATCH OF HALIBUT, ROCKFISHES, AND SABLEFISH LANDED BY VESSELS OF U.S. REGISTRY AT BRITISH COLUMBIA PORTS.

**ALASKA
LANDINGS BY DISTRICTS, 1977**

SPECIES	SOUTHEASTERN ALASKA		CENTRAL ALASKA		WESTERN ALASKA	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ARCTIC CHAR	-	-	-	-	3,800	1,136
COD	132,800	24,872	(1) 492,500	(1) 95,553	-	-
FLOUNDERS, UNCLASSIFIED	1,476,400	302,436	29,400	2,349	-	-
GROUNDFISH, UNCLASSIFIED (2) ..	211,200	21,123	262,300	52,133	145,000	25,633
HALIBUT	5,248,000	4,936,446	9,584,000	9,122,796	1,359,000	1,294,874
HERRING, SEA	13,857,300	764,477	11,733,000	1,272,188	5,610,300	448,200
LINGCOD	48,600	8,091	1,300	250	-	-
POLLOCK	353,900	35,388	91,200	9,123	-	-
ROCKFISHES	229,500	43,326	800	185	-	-
SABLEFISH	1,804,100	1,109,150	3,500	2,215	4,300	1,426
SALMON: (3)						
CHINOOK OR KING	4,170,700	7,605,827	1,109,300	1,317,319	6,822,500	5,576,424
CHUM OR KETA	7,509,400	4,585,334	28,956,300	14,172,935	24,082,800	9,044,582
PINK	67,890,000	23,385,980	61,466,200	22,145,020	197,900	43,148
RED OR SOCKEYE	7,555,100	7,016,286	47,034,100	40,063,050	35,181,600	21,194,122
SILVER OR COHO	8,247,500	10,526,827	3,646,700	1,891,704	3,509,200	2,206,293
TOTAL SALMON	95,372,700	53,120,254	142,212,600	79,590,028	69,794,000	38,064,569
SMELT, EULACHON	15,200	3,045	-	-	-	-
STEELHEAD TROUT	23,900	19,463	-	-	-	-
WHITEFISH, OCEAN	-	-	-	-	4,700	1,422
TOTAL FISH	118,773,600	60,388,071	164,410,600	90,146,820	76,921,100	39,837,260
SHELLFISH ET AL.						
CRABS:						
DUNGENESS	237,500	128,268	924,400	307,520	-	-
KING	331,000	384,083	16,067,000	20,396,340	82,000,600	81,248,294
SNOW	3,513,500	1,003,434	41,772,200	16,168,275	53,177,900	18,294,403
SHRIMP, UNCLASSIFIED	967,800	411,111	110,515,800	19,701,549	4,599,900	551,982
ABALONE (MEATS)	2,600	14,815	-	-	-	-
CLAMS, RAZOR (MEATS)	-	-	2,200	2,724	-	-
SCALLOPS, SEA (MEATS)	22,100	38,711	-	-	-	-
KELP (WITH HERRING EGGS)	-	-	417,000	58,380	276,500	116,010
TOTAL SHELLFISH ET AL.	5,074,500	1,980,422	169,698,600	56,634,788	140,054,900	100,210,689
GRAND TOTAL	123,848,100	62,368,493	334,109,200	146,781,608	216,976,000	140,047,949

(1) INCLUDES LINGCOD AND TRUE COD.

(2) INCLUDES DOVER "SOLE", BULLHEADS, AND MISCELLANEOUS UNIDENTIFIED SPECIES.

(3) THE ROUND WEIGHTS USED IN THE LANDINGS TABLES WERE OBTAINED BY MULTIPLYING NUMBER OF FISH BY THEIR AVERAGE WEIGHT.

NOTE:—THE ABOVE DATA INCLUDE LANDINGS OF HALIBUT, LINGCOD, SABLEFISH, AND ROCKFISHES BY VESSELS OF U.S. REGISTRY AT BRITISH COLUMBIA PORTS. ROUND WEIGHTS OF FISH TAKEN BY HALIBUT VESSELS WERE OBTAINED BY MULTIPLYING REPORTED WEIGHTS, REPRESENTING POUNDAGE OF FISH EVISCERATED AND WITH HEADS-OFF, BY THE FOLLOWING FACTORS: HALIBUT, 1.33; ROCKFISHES AND SABLEFISH, 1.43.

PACIFIC COAST FISHERIES

SOUTHEASTERN REGION OF ALASKA OPERATING UNITS BY GEAR, 1977

ITEM	PURSE SEINES SALMON (1)	BEAM TRAWLS, SHRIMP	OTTER TRAWLS		POUND NETS, FISH	POTS
			FISH	SHRIMP		CRAB
						DUNGENESS
NUMBER						
FISHERMEN: ON VESSELS	1,896	42	20	3	4	78
ON BOATS AND SHORE, FULL-TIME	24	-	-	-	-	8
TOTAL	1,920	42	20	3	4	86
VESSLES, MOTOR	316	14	5	1	1	26
GROSS TONNAGE	12,853	404	452	66	72	1,163
BOATS, MOTOR	340	-	-	-	-	4
GEAR	328	14	5	1	1	4,600
ITEM	POTS - CONTINUED		GILL NETS		LINES	
	CRAB - CONTINUED		ANCHOR, SET, OR STAKE	DRIFT, SALMON	TROLL, SALMON	LONG OR SET WITH HOOKS
	KING	SNOW				
NUMBER						
FISHERMEN: ON VESSELS	78	111	62	528	1,380	644
ON BOATS AND SHORE, FULL-TIME	2	4	243	189	3,184	218
TOTAL	80	115	305	717	4,564	862
VESSLES, MOTOR	26	37	31	264	690	161
GROSS TONNAGE	1,111	2,425	617	3,719	13,067	4,742
BOATS, MOTOR	1	2	72	188	1,591	84
GEAR	3,980	5,760	274	453	9,128	8,144
ITEM	DREDGES, SCALLOP, SEA		BY HAND		TOTAL, EXCLUSIVE OF DUPLICATION	
	NUMBER					
FISHERMEN: ON VESSELS	10		-		4,014	
ON BOATS AND SHORE, FULL-TIME	-		3		3,679	
TOTAL	10		3		7,693	
VESSLES, MOTOR	2		-		1,238	
GROSS TONNAGE	302		-		30,665	
BOATS, MOTOR	-		3		2,140	
GEAR	2		-		-	

(1) INCLUDES HAUL (BEACH) SEINES.

SOUTHEASTERN REGION OF ALASKA
LANDINGS OF CATCH BY GEAR, 1977

SPECIES	PURSE SEINES, SALMON (1)		BEAM TRAWLS, SHRIMP		OTTER TRAWLS	
					FISH	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
COD	-	-	-	-	12,900	1,937
FLOUNDER, UNCLASSIFIED	-	-	-	-	1,476,400	302,436
GROUNDFISH, UNCLASSIFIED (2) ..	-	-	-	-	211,200	21,123
HERRING, SEA	11,769,000	647,291	-	-	-	-
POLLOCK	52,200	5,221	-	-	301,700	30,167
ROCKFISHES	-	-	-	-	800	160
SALMON:						
CHINOOK OR KING	88,700	172,057	-	-	-	-
CHUM OR KETA	3,304,000	2,049,850	-	-	-	-
PINK	57,677,100	19,494,925	-	-	-	-
RED OR SOCKEYE	2,137,200	1,665,534	-	-	-	-
SILVER OR COHO	1,195,300	1,271,765	-	-	-	-
TOTAL SALMON	64,402,300	24,654,131	-	-	-	-
SMELT, EULACHON	15,200	3,045	-	-	-	-
STEELHEAD TROUT	4,100	3,586	-	-	-	-
SHRIMP, UNCLASSIFIED	-	-	946,600	398,008	10,500	7,875
TOTAL	76,242,800	25,313,274	946,600	398,008	2,013,500	363,698

SPECIES	OTTER TRAWLS - CONTINUED		POUND NETS, FISH		POTS	
	SHRIMP				CRAB	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
HERRING, SEA	-	-	26,500	1,060	-	-
CRABS, DUNGENESS	-	-	-	-	237,500	128,268
SHRIMP, UNCLASSIFIED	10,700	5,228	-	-	-	-
TOTAL	10,700	5,228	26,500	1,060	237,500	128,268

SPECIES	POTS				GILL NETS	
	CRAB - CONTINUED				ANCHOR, SET, OR STAKE	
	KING		SNOW			
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
HERRING, SEA	-	-	-	-	2,061,800	116,126
SABLEFISH	-	-	53,300	33,597	-	-
SALMON:						
CHINOOK OR KING	-	-	-	-	44,400	53,655
CHUM OR KETA	-	-	-	-	112,300	67,597
PINK	-	-	-	-	1,744,300	670,329
RED OR SOCKEYE	-	-	-	-	1,381,900	1,307,932
SILVER OR COHO	-	-	-	-	983,300	895,612
TOTAL SALMON	-	-	-	-	4,266,200	2,995,125
STEELHEAD TROUT	-	-	-	-	13,200	11,459
CRABS:						
KING	331,000	384,083	-	-	-	-
SNOW	-	-	3,513,500	1,003,434	-	-
TOTAL	331,000	384,083	3,566,800	1,037,031	6,341,200	3,122,710

SPECIES	GILL NETS - CONTINUED		LINES			
	DRIFT, SALMON		TROLL, SALMON		LONG OR SET WITH HOOKS	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
COD	-	-	4,300	824	115,600	22,111
HALIBUT	-	-	135,700	127,602	5,112,300	4,808,844
LINGCOD	-	-	14,200	2,307	34,400	5,784
ROCKFISHES	-	-	6,200	1,129	222,500	42,037
SABLEFISH	-	-	8,300	5,212	1,742,500	1,070,341
SALMON:						
CHINOOK OR KING	57,900	77,797	3,979,700	7,302,318	-	-
CHUM OR KETA	3,995,900	2,407,604	97,200	60,283	-	-
PINK	7,273,400	2,658,669	1,195,200	562,057	-	-
RED OR SOCKEYE	3,998,600	4,008,762	37,400	34,058	-	-
SILVER OR COHO	1,910,100	1,834,742	4,158,800	6,524,708	-	-
TOTAL SALMON	17,235,900	10,987,574	9,468,300	14,483,424	-	-
STEELHEAD TROUT	5,700	3,612	900	806	-	-
TOTAL	17,241,600	10,991,186	9,637,900	14,621,304	7,227,300	5,949,117

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PACIFIC COAST FISHERIES

SOUTHEASTERN REGION OF ALASKA LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	DREDGES, SCALLOP, SEA		BY HAND	
	POUNDS	DOLLARS	POUNDS	DOLLARS
ABALONE.....	-	-	2,600	14,815
SCALLOPS, SEA.....	22,100	38,711	-	-
TOTAL.....	22,100	38,711	2,600	14,815

(1) INCLUDES HAUL (BEACH) SEINES.

(2) INCLUDES DOVER "SOLE", BULLHEADS, AND MISCELLANEOUS UNIDENTIFIED SPECIES.

CENTRAL REGION OF ALASKA OPERATING UNITS BY GEAR, 1977

ITEM	HAUL SEINES, COMMON	PURSE SEINES, SALMON	BEAM TRAWLS, SHRIMP	OTTER TRAWLS		POTS
				FISH	SHRIMP	CRAB
						DUNGENESS
NUMBER						
FISHERMEN: ON VESSELS.....	-	3,822	21	192	228	231
ON BOATS AND SHORE, FULL-TIME.....	150	348	3	12	9	42
TOTAL.....	150	4,170	24	204	237	273
VESSELS, MOTOR.....	-	637	7	48	76	77
GROSS TONNAGE.....	-	11,725	178	5,469	9,093	3,958
BOATS, MOTOR.....	50	985	1	3	3	21
GEAR.....	25	811	8	82	130	11,595

ITEM	POTS - CONTINUED		SHRIMP	GILL NETS		LINES
	CRAB - CONTINUED			ANCHOR, SET, OR STAKE	DRIFT, SALMON	LONG OR SET WITH HOOKS
	KING	SNOW				
NUMBER						
FISHERMEN: ON VESSELS.....	759	696	36	32	786	92
ON BOATS AND SHORE, FULL-TIME.....	84	50	78	816	793	40
TOTAL.....	843	746	114	848	1,579	132
VESSELS, MOTOR.....	253	232	18	16	393	26
GROSS TONNAGE.....	17,177	15,718	373	398	5,760	770
BOATS, MOTOR.....	42	25	39	190	781	18
GEAR.....	33,424	31,634	6,450	832	1,186	1,094

ITEM	SHOVELS	TOTAL, EXCLUSIVE OF DUPLICATION
		NUMBER
FISHERMEN: ON VESSELS.....	-	5,193
ON BOATS AND SHORE, FULL-TIME.....	8	2,224
TOTAL.....	8	7,417
VESSELS, MOTOR.....	-	1,155
GROSS TONNAGE.....	-	41,565
BOATS, MOTOR.....	8	2,008
GEAR.....	8	-

**CENTRAL REGION OF ALASKA
LANDINGS OF CATCH BY GEAR, 1977**

SPECIES	HAUL SEINES, COMMON		PURSE SEINES, SALMON		BEAM TRAWLS, SHRIMP	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
GROUNDFISH, UNCLASSIFIED (1) ..	-	-	-	-	3,100	310
HERRING, SEA	-	-	11,560,000	1,246,749	-	-
LINGCOD	-	-	1,300	250	-	-
SALMON:						
CHINOOK OR KING	-	-	43,500	43,516	-	-
CHUM OR KETA	-	-	16,755,000	7,939,217	-	-
PINK	-	-	53,511,000	18,986,769	-	-
RED OR SOCKEYE	-	-	22,141,000	18,749,686	-	-
SILVER OR COHO	-	-	398,400	258,736	-	-
TOTAL SALMON	-	-	92,848,900	45,977,924	-	-
SHRIMP, UNCLASSIFIED	-	-	-	-	2,653,100	652,598
KELP (WITH HERRING EGGS)	417,000	58,380	-	-	-	-
TOTAL	417,000	58,380	104,410,200	47,224,923	2,656,200	652,908

SPECIES	OTTER TRAWLS				POTS	
	FISH		SHRIMP		CRAB	
	DUNGENESS					
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
COD (2)	304,000	65,387	-	-	-	-
FLOUNDERS, UNCLASSIFIED	29,400	2,349	-	-	-	-
GROUNDFISH, UNCLASSIFIED (1) ..	259,200	51,823	-	-	-	-
HERRING, SEA	22,300	1,640	-	-	-	-
POLLOCK	91,200	9,123	-	-	-	-
CRABS, DUNGENESS	-	-	-	-	924,400	307,520
SHRIMP, UNCLASSIFIED	-	-	107,382,600	18,816,107	-	-
TOTAL	706,100	130,322	107,382,600	18,816,107	924,400	307,520

SPECIES	POTS - CONTINUED					
	CRAB - CONTINUED				SHRIMP	
	KING		SNOW			
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
SABLEFISH	-	-	700	415	-	-
CRABS:						
KING	16,067,000	20,396,340	-	-	-	-
SNOW	-	-	41,772,200	16,168,275	-	-
SHRIMP, UNCLASSIFIED	-	-	-	-	480,100	232,844
TOTAL	16,067,000	20,396,340	41,772,900	16,168,690	480,100	232,844

SPECIES	GILL NETS			
	ANCHOR, SET, OR STAKE		DRIFT, SALMON	
	POUNDS	DOLLARS	POUNDS	DOLLARS
HERRING	94,600	11,169	56,100	12,630
SALMON:				
CHINOOK OR KING	322,300	360,725	743,500	913,078
CHUM OR KETA	1,128,100	654,608	11,073,200	5,579,110
PINK	4,771,100	1,948,557	3,184,100	1,209,694
RED OR SOCKEYE	9,353,000	7,920,252	15,540,100	13,393,112
SILVER OR COHO	606,200	402,383	2,642,100	1,230,585
TOTAL SALMON	16,180,700	11,286,525	33,183,000	22,325,579
TOTAL	16,275,300	11,297,694	33,239,100	22,338,209

SPECIES	LINES, LONG OR SET WITH HOOKS		SHOVELS	
	POUNDS	DOLLARS	POUNDS	DOLLARS
COD (2)	188,500	30,166	-	-
HALIBUT	9,584,000	9,122,796	-	-
ROCKFISHES	800	185	-	-
SABLEFISH	2,800	1,800	-	-
CLAMS, RAZOR	-	-	2,200	2,724
TOTAL	9,776,100	9,154,947	2,200	2,724

(1) INCLUDES DOVER "SOLE", BULLHEADS, AND MISCELLANEOUS UNIDENTIFIED SPECIES.

(2) INCLUDES LINGCOD AND TRUE COD.

PACIFIC COAST FISHERIES

WESTERN REGION OF ALASKA OPERATING UNITS BY GEAR, 1977

ITEM	HAUL SEINES, COMMON	PURSE SEINES, SALMON	OTTER TRAWLS, SHRIMP	POTS	
				CRAB	
				KING	SNOW
----- NUMBER -----					
FISHERMEN: ON VESSELS ON BOATS AND SHORE, FULL-TIME	-	36	18	447	276
TOTAL	12	54	21	481	282
VESSLS, MOTOR GROSS TONNAGE	-	6	6	149	92
BOATS, MOTOR	2	594	907	27,543	17,372
GEAR	2	24	1	7	3
	2	15	13	31,190	19,320
ITEM	GILL NETS		LINES, LONG OR SET WITH HOOKS	FISH WHEELS	TOTAL, EXCLUSIVE OF DUPLICATION
	ANCHOR, SET, OR STAKE	DRIFT, SALMON			
----- NUMBER -----					
FISHERMEN ON VESSELS ON BOATS AND SHORE, FULL-TIME	-	422	4	-	927
TOTAL	2,427	2,174	-	140	3,710
	2,427	2,596	4	140	4,637
VESSLS, MOTOR GROSS TONNAGE	-	211	1	-	373
BOATS, MOTOR	14	1,990	72	-	30,851
GEAR	2,427	1,046	40	140	1,079
		2,385			

WESTERN REGION OF ALASKA LANDINGS OF CATCH BY GEAR, 1977

SPECIES	HAUL SEINES, COMMON		PURSE SEINES, SALMON		OTTER TRAWLS, SHRIMP	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
GROUND FISH, UNCLASSIFIED (1)	-	-	-	-	94,200	17,906
HERRING, SEA	-	-	4,791,600	390,792	-	-
SALMON:						
CHINOOK OR KING	-	-	100	53	-	-
CHUM OR KETA	-	-	490,700	196,060	-	-
RED OR SOCKEYE	-	-	226,200	158,330	-	-
SILVER OR COHO	-	-	200	118	-	-
TOTAL SALMON	-	-	717,200	354,559	-	-
SHRIMP, UNCLASSIFIED	-	-	-	-	4,599,900	551,982
KELP (WITH HERRING EGGS)	273,700	114,835	-	-	-	-
TOTAL	273,700	114,835	5,508,800	745,351	4,694,100	569,888

SPECIES	POTS			
	CRAB			
	KING		SNOW	
	POUNDS	DOLLARS	POUNDS	DOLLARS
GROUND FISH, UNCLASSIFIED	-	-	50,800	7,727
SABLE FISH	-	-	4,300	1,426
CRABS:				
KING	82,000,600	81,248,294	-	-
SNOW	-	-	53,177,900	18,294,403
TOTAL	82,000,600	81,248,234	53,233,000	18,303,556

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

WESTERN REGION OF ALASKA
LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	GILL NETS			
	ANCHOR, SET, OR STAKE		DRIFT, SALMON	
	POUNDS	DOLLARS	POUNDS	DOLLARS
ARCTIC CHAR	3,800	1,136	-	-
HERRING, SEA	508,700	40,026	310,000	17,382
SALMON:				
CHINOOK OR KING	2,766,500	2,503,299	4,025,000	3,041,607
CHUM OR KETA	8,534,200	3,459,434	13,681,900	5,072,599
PINK	169,900	34,422	28,000	8,726
RED OR SOCKEYE	4,145,400	2,505,718	30,810,000	18,530,074
SILVER OR COHO	1,742,100	1,125,911	1,757,800	1,078,177
TOTAL SALMON	17,358,100	9,628,784	50,302,700	27,731,183
WHITEFISH, OCEAN	4,700	1,422	-	-
KELP (WITH HERRING EGGS)	2,800	1,175	-	-
TOTAL	17,878,100	9,672,543	50,612,700	27,748,565

SPECIES	LINES, LONG OR SET WITH HOOKS		FISH WHEELS	
	POUNDS	DOLLARS	POUNDS	DOLLARS
	HALIBUT	1,359,000	1,294,874	-
SALMON:				
CHINOOK OR KING	-	-	30,900	31,465
CHUM OR KETA	-	-	1,376,000	316,489
SILVER OR COHO	-	-	9,100	2,089
TOTAL SALMON	-	-	1,416,000	350,043
TOTAL	1,359,000	1,294,874	1,416,000	350,043

(1) INCLUDES DOVER "SOLE", BULLHEADS, AND MISCELLANEOUS UNIDENTIFIED SPECIES.

PACIFIC COAST FISHERIES

WASHINGTON LANDINGS BY DISTRICTS, 1977

SPECIES	PUGET SOUND		COASTAL		COLUMBIA RIVER	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ANCHOVIES	-	-	318,400	79,102	1,000	250
CARP	-	-	-	-	142,400	714
COD	8,489,900	1,318,538	718,000	111,442	3,900	588
FLOUNDERS:						
SANDDABS	-	-	-	-	100	21
"SOLE":						
DOVER	1,738,200	322,315	582,700	89,240	3,200	492
ENGLISH	2,490,400	431,240	253,400	43,750	1,200	224
PETRALE	973,800	276,585	361,900	102,681	100	37
REX	81,300	12,693	285,600	42,220	300	57
SAND	170,800	35,820	213,400	48,890	500	136
UNCLASSIFIED	501,300	98,094	3,900	528	400	74
UNCLASSIFIED	1,231,600	130,421	122,100	11,964	30,600	2,344
HAKE, PACIFIC, WHITING	3,820,600	63,535	-	-	-	-
HALIBUT	1,012,700	1,402,669	3,500	3,986	100	129
HERRING, SEA	6,851,500	1,525,716	13,800	6,786	-	-
LINGCOD	1,932,400	369,658	1,166,800	185,999	50,600	8,139
MACKEREL, PACIFIC	-	-	300	50	-	-
OCEAN PERCH, PACIFIC	4,438,100	635,981	18,000	2,493	13,700	1,913
POLLOCK	294,400	28,788	-	-	-	-
ROCKFISHES	14,269,700	1,933,287	5,414,700	727,504	789,500	156,857
SABLEFISH	1,676,000	616,739	176,500	52,206	670,300	221,396
SALMON:						
CHINOOK OR KING	4,878,400	7,650,124	3,396,700	5,581,675	2,359,800	2,817,977
CHUM OR KETA	4,810,600	4,316,477	189,900	123,429	13,800	11,852
PINK	12,825,400	5,550,387	770,300	448,006	23,300	14,273
RED OR SOCKEYE	11,221,600	13,166,411	126,300	192,146	8,800	10,219
SILVER OR COHO	8,756,800	9,132,289	2,874,700	3,123,365	815,400	910,792
TOTAL SALMON	42,492,800	39,815,688	7,357,900	9,466,621	3,221,100	3,785,113
SAND PERCH	230,800	65,759	2,600	266	1,200	118
SHAD	200	19	1,000	72	9,700	1,550
SHARKS:						
GRAYFISH	5,424,700	360,606	-	-	4,100	203
SOUPFIN	-	-	200	10	-	-
SKATES	24,500	1,976	-	-	-	-
SMELT:						
EULACHON	400	116	13,700	822	840,900	93,597
SURF OR SILVER	86,400	18,512	26,800	3,067	-	-
STEELHEAD, TROUT	6,300	8,534	124,300	137,114	65,100	36,419
STURGEON, COMMON	4,200	1,083	77,600	25,371	121,000	51,480
TOMCOD	10,400	2,234	-	-	-	-
TUNA:						
ALBACORE	453,700	251,753	2,525,900	1,444,919	1,968,400	1,407,978
BLUEFIN	-	-	-	-	2,300	910
SKIPJACK	-	-	-	-	5,600	2,159
YELLOWFIN	-	-	-	-	100	41
TURBOT	241,000	19,296	15,300	768	-	-
UNCLASSIFIED	95,100	5,871	-	-	-	-
TOTAL FISH	98,643,200	49,751,526	19,796,300	12,587,871	7,927,400	5,752,941
CRABS, DUNGENESS	2,278,500	1,026,356	10,383,200	4,881,337	2,287,100	1,112,441
CRAWFISH, FRESHWATER	600	395	2,300	1,222	-	-
SHRIMP:						
BAY	38,000	30,637	-	-	-	-
OCEAN	5,800	1,850	7,753,400	1,636,977	4,044,300	964,505
CLAMS: (1)						
COCKLE	400	180	-	-	-	-
GEODUCK	2,853,400	1,582,675	-	-	-	-
HARD:						
BUTTER	130,600	77,654	-	-	1,300	827
LITTLENECK	153,300	135,958	-	-	1,000	1,354
MANILA	269,600	277,433	-	-	-	-
RAZOR	600	2,561	142,000	299,786	-	-
SOFT PUBLIC	89,500	95,826	-	-	-	-
UNCLASSIFIED	114,400	44,843	-	-	16,500	11,212
MUSSELS, SEA	5,100	15,655	-	-	-	-
OCTOPUS	16,200	3,712	500	76	-	-
OYSTERS, MARKET: (2)						
PACIFIC	2,771,600	4,128,083	3,277,600	4,771,585	-	-
WESTERN	12,500	80,576	100	900	-	-
SQUID	500	128	-	-	-	-
UNCLASSIFIED	965,900	94,879	-	-	-	-
TOTAL SHELLFISH ET AL.	9,706,500	7,599,201	21,559,100	11,591,883	6,350,200	2,090,339
GRAND TOTAL	108,349,700	57,350,727	41,355,400	24,179,754	14,277,600	7,843,280

(1) BASED ON A YIELD OF 33 PERCENT MEATS FOR GEODUCK CLAMS; 25 PERCENT MEATS FOR HARD, SOFT, AND MIXED CLAMS; AND 42 PERCENT MEATS FOR RAZOR CLAMS.

(2) BASED ON A YIELD OF 10 PERCENT MEATS IN PUGET SOUND DISTRICT AND 12 PERCENT MEATS IN COASTAL DISTRICT FOR PACIFIC OYSTERS AND 18 PERCENT MEATS FOR WESTERN OYSTERS.

PUGET SOUND DISTRICT OF WASHINGTON OPERATING UNITS BY GEAR, 1977

ITEM	HAUL SEINES, COMMON (1)	PURSE SEINES		BEAM TRAWLS, SHRIMP	OTTER TRAWLS	
		HERRING	SALMON		FISH	SHRIMP
NUMBER						
FISHERMEN: ON VESSELS	63	185	1,897	8	327	3
ON BOATS AND SHORE, FULL-TIME	107	-	-	2	-	-
TOTAL	170	185	1,897	10	327	3
VESSELS, MOTOR	21	32	352	4	113	1
GROSS TONNAGE	488	1,497	13,878	80	6,127	185
BOATS, MOTOR	38	32	352	1	-	-
GEAR	64	32	352	5	113	2

ITEM	OTTER TRAWLS - CONTD	POUND NETS, FISH	POTS				
			CRAB, DUNGENESS	FISH	OCTOPUS	SHRIMP	UNCLASSIFIED
NUMBER							
FISHERMEN: ON VESSELS	-	-	123	12	-	2	-
ON BOATS AND SHORE: FULL-TIME	2	12	183	-	-	9	-
PART-TIME	-	-	-	-	4	-	1
TOTAL	2	12	306	12	4	11	1
VESSELS, MOTOR	-	-	122	6	-	1	-
GROSS TONNAGE	-	-	2,970	335	-	12	-
BOATS, MOTOR	1	2	122	-	2	9	1
GEAR	1	12	18,300	450	130	550	50

ITEM	GILL NETS			LINES		
	ANCHOR, SET, OR STAKE (2)	DRIFT, SALMON	HAND, ROCKFISH	TROLL		
				SALMON	TUNA	OTHER
NUMBER						
FISHERMEN: ON VESSELS	64	830	14	551	142	10
ON BOATS AND SHORE, FULL-TIME	48	966	51	580	12	297
TOTAL	112	1,796	65	1,131	154	307
VESSELS, MOTOR	64	628	7	409	71	10
GROSS TONNAGE	1,124	8,533	91	8,181	2,632	193
BOATS, MOTOR	48	806	51	483	6	297
GEAR	112	1,434	218	4,090	710	614

ITEM	LINES	DIP NETS		REEF NETS	DREDGES	
		LONG OR SET WITH HOOKS	COMMON		DROP	CLAM	OYSTER COMMON
NUMBER						
FISHERMEN: ON VESSELS	204	27	-	21	4	12
ON BOATS AND SHORE: FULL-TIME	100	46	-	76	4	-
PART-TIME	-	-	4	76	-	-
TOTAL	304	73	4	173	8	12
VESSELS, MOTOR	54	9	-	7	2	6
GROSS TONNAGE	1,913	158	-	163	28	114
BOATS: MOTOR	50	23	4	76	2	-
OTHER	-	-	-	83	-	-
GEAR	1,559	73	20	83	4	12

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PACIFIC COAST FISHERIES

PUGET SOUND DISTRICT OF WASHINGTON

OPERATING UNITS BY GEAR, 1977 - Continued

ITEM	DREDGES - CONTINUED	SHOVELS	DIVING OUTFITS	BY HAND, OYSTER	TOTAL, EXCLUSIVE OF DUPLICATION
	OYSTER - CONTINUED				
	SUCTION				
NUMBER					
FISHERMEN:					
ON VESSELS	2	-	48	-	3,599
ON BOATS AND SHORE:					
FULL-TIME	-	-	-	-	2,014
PART-TIME	-	125	40	250	488
TOTAL	2	125	88	250	6,101
VESELS, MOTOR	1	-	24	-	1,509
GROSS TONNAGE	41	-	422	-	37,125
BOATS:					
MOTOR	-	-	20	250	2,171
OTHER	-	-	-	-	83
GEAR	2	125	44	-	-

(1) SALMON CAUGHT BY HAUL SEINES WERE TAKEN ON INDIAN RESERVATIONS BY INDIAN FISHERMEN.
 (2) SALMON CAUGHT BY ANCHOR, SET, OR STAKE WERE TAKEN ON INDIAN RESERVATIONS BY INDIAN FISHERMEN.

PUGET SOUND DISTRICT OF WASHINGTON

LANDINGS OF CATCH BY GEAR, 1977

SPECIES	HAUL SEINES, COMMON (1)		PURSE SEINES			
			HERRING		SALMON	
			POUNDS	DOLLARS	POUNDS	DOLLARS
COD	1,100	180	-	-	-	-
FLOUNDERS:						
"SOLE":						
DOVER	100	9	-	-	-	-
ENGLISH	1,300	222	-	-	-	-
REX	100	14	-	-	-	-
HERRING, SEA	1,102,500	352,831	2,102,400	351,297	-	-
SALMON:						
CHINOOK OR KING	24,400	40,551	-	-	1,027,400	1,486,206
CHUM OR KETA	1,800	1,124	-	-	872,700	768,669
PINK	17,400	9,646	-	-	10,376,600	4,364,772
RED OR SOCKEYE	100	70	-	-	5,010,900	5,654,013
SILVER OR COHO	66,500	77,709	-	-	1,801,800	1,730,109
SAND PERCH	224,300	64,654	-	-	-	-
SHARKS, GRAYFISH	1,200	74	-	-	-	-
SMELT, SURF	66,600	15,859	-	-	19,000	2,419
STURGEON, COMMON	-	-	-	-	300	57
OCTOPUS	-	-	-	-	100	13
SQUID	200	58	-	-	-	-
TOTAL	1,507,600	563,001	2,102,400	351,297	19,108,800	14,006,258

SPECIES	BEAM TRAWLS, SHRIMP		OTTER TRAWLS			
			FISH		SHRIMP	
			POUNDS	DOLLARS	POUNDS	DOLLARS
COD	-	-	8,184,900	1,271,877	-	-
FLOUNDERS:						
"SOLE":						
DOVER	-	-	1,738,100	322,306	-	-
ENGLISH	-	-	2,487,600	430,788	-	-
PETRALE	-	-	973,300	276,483	-	-
REX	-	-	81,200	12,679	-	-
SAND	-	-	170,600	35,775	-	-
UNCLASSIFIED	-	-	497,100	95,147	-	-
UNCLASSIFIED	-	-	1,231,100	130,365	-	-
HAKE, PACIFIC	-	-	3,615,700	63,220	-	-
LINGCOD	-	-	1,555,000	253,593	-	-
OCEAN PERCH, PACIFIC	-	-	4,438,100	635,981	-	-
POLLOCK	-	-	294,400	28,788	-	-
ROCKFISHES	-	-	13,987,700	1,883,293	-	-
SABLEFISH	-	-	875,600	249,339	-	-
SAND PERCH	-	-	6,000	946	-	-
SHARKS, GRAYFISH	-	-	1,295,600	77,128	-	-
SKATES	-	-	23,000	1,856	-	-
STURGEON, COMMON	-	-	3,200	798	-	-
TOMCOD	-	-	10,400	2,234	-	-
TURBOT	-	-	240,900	19,292	-	-
UNCLASSIFIED	-	-	94,600	5,830	-	-
SHRIMP:						
BAY	29,800	18,403	-	-	-	-
OCEAN	800	673	-	-	4,900	982
OCTOPUS	-	-	13,100	2,591	-	-
SQUID	-	-	300	70	-	-
TOTAL	30,600	19,076	41,817,500	5,800,379	4,900	982

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PACIFIC COAST FISHERIES
PUGET SOUND DISTRICT OF WASHINGTON
LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	OTTER TRAWLS - CONTINUED		POUND NETS, FISH		POTS	
	OTHER				CRAB, DUNGENESS	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
SALMON:						
CHINOOK OR KING	-	-	3,800	6,190	-	-
CHUM OR KETA	-	-	1,000	827	-	-
PINK	-	-	13,300	6,064	-	-
RED OR SOCKEYE	-	-	500	570	-	-
SILVER OR COHO	-	-	10,500	8,181	-	-
SMELT, EULACHON	400	116	-	-	-	-
STEELHEAD TROUT	-	-	600	716	-	-
STURGEON, COMMON	-	-	100	34	-	-
CRABS, DUNGENESS	-	-	-	-	2,277,900	1,026,071
TOTAL	400	116	29,800	22,582	2,277,900	1,026,071

SPECIES	POTS - CONTINUED					
	FISH		OCTOPUS		SHRIMP	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
LINGCOD	500	138	-	-	-	-
ROCKFISHES	6,500	834	-	-	-	-
SABLEFISH	139,700	54,740	-	-	-	-
SHRIMP:						
BAY	-	-	-	-	8,200	12,234
OCEAN	-	-	-	-	100	195
OCTOPUS	-	-	1,700	670	-	-
TOTAL	146,700	55,712	1,700	670	8,300	12,429

SPECIES	POTS - CONTINUED		GILL NETS			
	UNCLASSIFIED		ANCHOR, SET, OR STAKE (2)		DRIFT, SALMON	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
COD	-	-	298,600	45,546	200	20
FLOUNDERS:						
"SOLE":						
ENGLISH	-	-	900	149	500	62
PETRALE	-	-	100	14	-	-
SAND	-	-	200	45	-	-
UNCLASSIFIED	-	-	4,200	947	-	-
UNCLASSIFIED	-	-	100	13	400	43
HAKE, PACIFIC	-	-	-	-	2,400	214
HERRING, SEA	-	-	-	-	3,209,600	763,898
LINGCOD	-	-	31,800	7,152	2,200	570
ROCKFISHES	-	-	15,700	2,055	3,800	610
SALMON:						
CHINOOK OR KING	-	-	3,300	4,233	2,667,000	3,948,778
CHUM OR KETA	-	-	6,800	4,809	3,895,200	3,510,950
PINK	-	-	-	-	1,198,600	548,628
RED OR SOCKEYE	-	-	-	-	5,795,800	7,019,412
SILVER OR COHO	-	-	33,900	31,845	5,307,400	5,800,567
SHAD	-	-	-	-	200	19
SHARKS, GRAYFISH	-	-	3,198,500	212,986	154,300	14,530
STEELHEAD, TROUT	-	-	-	-	5,700	7,818
STURGEON, COMMON	-	-	-	-	600	194
TURBOT	-	-	100	4	-	-
UNCLASSIFIED	600	395	300	26	-	-
TOTAL	600	395	3,594,500	309,824	22,243,900	21,616,313

SPECIES	LINES					
	HAND, ROCKFISH		TROLL			
			SALMON		TUNA	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
COD	900	169	-	-	-	-
HAKE, PACIFIC	2,500	101	-	-	-	-
HALIBUT	1,600	2,215	-	-	-	-
LINGCOD	62,200	24,836	-	-	-	-
ROCKFISHES	24,400	9,928	-	-	-	-
SALMON:						
CHINOOK OR KING	-	-	1,131,000	2,131,321	-	-
CHUM OR KETA	-	-	2,700	1,976	-	-
PINK	-	-	1,045,100	543,886	-	-
RED OR SOCKEYE	-	-	9,100	9,664	-	-
SILVER OR COHO	-	-	1,490,200	1,436,803	-	-
SAND PERCH	500	159	-	-	-	-
SHARKS, GRAYFISH	26,500	1,948	-	-	-	-
SKATES	200	25	-	-	-	-
TUNA, ALBACORE	-	-	-	-	453,700	251,753
TOTAL	118,800	39,381	3,678,100	4,123,650	453,700	251,753

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PACIFIC COAST FISHERIES

PUGET SOUND DISTRICT OF WASHINGTON LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	LINES - CONTINUED				DIP NETS	
	TROLL - CONTINUED		LONG OR SET WITH HOOKS		COMMON	
	OTHER					
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
COD	1,100	209	3,100	537	-	-
FLOUNDERS, "SOLE":						
ENGLISH	-	-	100	19	-	-
PETRALE	-	-	400	88	-	-
HALIBUT	36,200	49,970	974,900	1,350,484	-	-
HERRING, SEA	-	-	-	-	237,000	57,890
LINGCOD	114,600	35,515	186,100	47,854	-	-
ROCKFISHES	128,400	19,354	103,200	17,213	-	-
SABLEFISH	2,300	1,120	658,400	311,540	-	-
SALMON:						
CHINOOK OR KING	-	-	-	-	2,600	4,123
CHUM OR KETA	-	-	-	-	100	60
SILVER OR COHO	-	-	-	-	10,500	11,097
SHARKS, GRAYFISH	15,100	1,046	733,500	52,894	-	-
SKATES	100	4	1,200	91	-	-
SMELT, SURF OR SILVER	-	-	-	-	800	234
UNCLASSIFIED	-	-	200	15	-	-
SHELLFISH, UNCLASSIFIED	-	-	-	-	63,300	18,763
TOTAL	297,800	107,218	2,641,100	1,780,735	314,300	91,967

SPECIES	DIP NETS - CONTINUED		REEF NETS		DREDGES	
	DROP				CLAM	
		POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
SALMON:						
CHINOOK OR KING	-	-	18,900	28,722	-	-
CHUM OR KETA	-	-	30,300	28,062	-	-
PINK	-	-	174,400	77,391	-	-
RED OR SOCKEYE	-	-	405,200	482,682	-	-
SILVER OR COHO	-	-	36,000	35,978	-	-
CRABS, DUNGENESS	600	285	-	-	-	-
CLAMS: (3)						
HARD:						
BUTTER	-	-	-	-	97,700	46,544
LITTLENECK	-	-	-	-	21,600	30,125
SOFT, PUBLIC	-	-	-	-	4,100	1,865
UNCLASSIFIED	-	-	-	-	114,200	44,563
OCTOPUS	1,300	438	-	-	-	-
TOTAL	1,900	723	664,800	652,835	237,600	123,097

SPECIES	DREDGES - CONTINUED		SHOVELS		DIVING OUTFITS	
	OYSTER					
		POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
CLAMS: (3)						
COCKLE	-	-	400	180	-	-
GEODUCK	-	-	-	-	2,853,400	1,582,675
HARD:						
BUTTER	-	-	32,900	31,110	-	-
LITTLENECK	-	-	131,700	105,833	-	-
MANILA	-	-	269,600	277,433	-	-
RAZOR	-	-	600	2,561	-	-
SOFT, PUBLIC	-	-	85,400	93,961	-	-
UNCLASSIFIED	-	-	200	80	-	-
MUSSELS, SEA	-	-	5,100	15,655	-	-
OYSTERS, MARKET: (4)						
PACIFIC	2,771,600	4,128,083	-	-	-	-
WESTERN	12,500	80,576	-	-	-	-
SHELLFISH, UNCLASSIFIED	-	-	-	-	902,600	76,116
TOTAL	2,784,100	4,208,659	525,900	526,813	3,756,000	1,658,791

(1) SALMON CAUGHT BY HAUL SEINES WERE TAKEN ON INDIAN RESERVATIONS BY INDIAN FISHERMEN. (2) SALMON CAUGHT BY ANCHOR, SET, OR STAKE WERE TAKEN ON INDIAN RESERVATIONS BY INDIAN FISHERMEN. (3) BASED ON A YIELD OF 33 PERCENT MEATS FOR GEODUCK CLAMS AND 25 PERCENT FOR HARD, SOFT, AND MIXED CLAMS. (4) BASED ON A YIELD OF 10 PERCENT MEATS FOR PACIFIC OYSTERS AND 18 PERCENT FOR WESTERN OR NATIVE OYSTERS.

PACIFIC COAST FISHERIES

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COASTAL DISTRICT OF WASHINGTON OPERATING UNITS BY GEAR, 1977

ITEM	HAUL SEINES, COMMON (1)	OTTER TRAWLS			POTS	
		FISH	SHRIMP	OTHER	CRAB, DUNGENESS	CRAWFISH
NUMBER						
FISHERMEN: ON VESSELS	33	71	87	-	313	-
ON BOATS AND SHORE: FULL-TIME	3	-	-	2	33	-
PART-TIME	-	-	-	-	-	6
TOTAL	36	71	87	2	346	6
VESSELS, MOTOR	11	25	29	-	140	-
GROSS TONNAGE	942	1,657	2,704	-	4,628	-
BOATS, MOTOR	1	-	-	1	23	6
GEAR	12	25	56	1	15,510	300

ITEM	POTS - CONTD	GILL NETS		LINES			
	FISH	ANCHOR, SET, OR STAKE, SALMON	DRIFT, SALMON	HAND, ROCKFISH	TROLL		
					SALMON	TUNA	OTHER
NUMBER							
FISHERMEN: ON VESSELS	2	-	88	-	737	454	23
ON BOATS AND SHORE: FULL-TIME	-	100	370	5	1,028	2	514
TOTAL	2	100	458	5	1,765	456	537
VESSELS, MOTOR	1	-	87	-	666	227	23
GROSS TONNAGE	51	-	1,009	-	12,718	7,831	394
BOATS, MOTOR	-	100	308	5	856	1	514
GEAR	100	100	395	20	5,647	2,270	1,074

ITEM	LINES - CONTD	DIP NETS		DREDGES		SHOVELS (1)
	LONG OR SET, WITH HOOKS	COMMON	DROP	OYSTER		
				COMMON	SUCTION	
NUMBER						
FISHERMEN: ON VESSELS	6	-	-	32	2	-
ON BOATS AND SHORE: FULL-TIME	8	2	-	-	-	-
PART-TIME	-	-	2	-	-	40
TOTAL	14	2	2	32	2	40
VESSELS, MOTOR	2	-	-	16	1	-
GROSS TONNAGE	21	-	-	1,998	28	-
BOATS, MOTOR	4	1	2	-	-	-
GEAR	92	2	10	32	2	40

ITEM	BY HAND, OYSTER	TOTAL, EXCLUSIVE OF DUPLICATION
NUMBER		
FISHERMEN: ON VESSELS	-	1,386
ON BOATS AND SHORE: FULL-TIME	-	1,519
PART-TIME	400	448
TOTAL	400	3,353
VESSELS, MOTOR	-	931
GROSS TONNAGE	-	25,393
BOATS, MOTOR	-	1,276

(1) OPERATED ON INDIAN RESERVATIONS BY INDIAN FISHERMEN.

PACIFIC COAST FISHERIES

COASTAL DISTRICT OF WASHINGTON LANDINGS OF CATCH BY GEAR, 1977

SPECIES	HAUL SEINES, COMMON (1)		OTTER TRAWLS			
			FISH		SHRIMP	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ANCHOVIES	316,400	79,102	-	-	-	-
COD	-	-	701,800	108,931	16,200	2,511
FLOUNDERS:						
"SOLE":						
DOVER	-	-	580,400	88,852	2,300	368
ENGLISH	-	-	251,300	43,398	2,100	352
PETRALE	-	-	358,300	101,150	5,600	1,531
REX	-	-	285,600	42,220	-	-
SAND	-	-	213,400	46,890	-	-
UNCLASSIFIED	-	-	3,900	528	-	-
UNCLASSIFIED	1,000	103	115,700	11,305	-	-
HERRING, SEA	13,800	6,786	-	-	-	-
LINGCOD	-	-	1,084,900	169,361	9,800	1,446
OCEAN PERCH, PACIFIC	-	-	18,000	2,493	-	-
ROCKFISHES	100	8	4,573,800	622,869	467,800	58,602
SABLEFISH	-	-	167,200	49,514	7,300	1,989
SAND PERCH	2,600	266	-	-	-	-
SMELT, SURF OR SILVER	26,000	2,949	-	-	-	-
STURGEON, COMMON	-	-	700	134	-	-
TURBOT	-	-	15,300	768	-	-
SHRIMP, OCEAN	-	-	-	-	7,753,400	1,636,977
OCTOPUS	-	-	500	76	-	-
TOTAL	359,900	89,214	8,368,800	1,288,489	8,264,500	1,703,796

SPECIES	OTTER TRAWLS - CONTINUED		POTS			
	OTHER		CRAB, DUNGENESS		CRAWFISH	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
SMELT, EULACHON	11,300	678	-	-	-	-
CRABS, DUNGENESS	-	-	10,370,100	4,874,523	-	-
CRAWFISH, FRESHWATER	-	-	-	-	2,300	1,222
TOTAL	11,300	678	10,370,100	4,874,523	2,300	1,222

SPECIES	POTS - CONTINUED		GILL NETS			
	FISH		ANCHOR, SET, OR STAKE		DRIFT	
			SALMON (1)		SALMON	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
FLOUNDERS, UNCLASSIFIED	-	-	-	-	5,300	545
LINGCOD	-	-	-	-	9,000	1,809
ROCKFISHES	-	-	-	-	6,400	771
SABLEFISH	800	78	-	-	-	-
SALMON:						
CHINOOK OR KING	-	-	208,800	210,775	1,146,800	1,679,208
CHUM OR KETA	-	-	56,100	32,795	131,400	88,964
PINK	-	-	-	-	300	100
RED OR SOCKEYE	-	-	121,300	186,683	1,600	2,038
SILVER OR COHO	-	-	48,700	55,257	152,300	140,269
SHAD	-	-	-	-	1,000	72
SHARKS, SOUPFIN	-	-	-	-	200	10
STEELHEAD, TROUT	-	-	83,000	113,868	41,300	23,246
STURGEON, COMMON	-	-	300	130	75,600	24,645
TOTAL	800	78	518,200	599,508	1,571,200	1,961,677

SPECIES	LINES					
	HAND, ROCKFISH		TROLL			
			SALMON		TUNA	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
LINGCOD	200	240	-	-	-	-
ROCKFISHES	400	240	-	-	-	-
SALMON:						
CHINOOK OR KING	-	-	2,041,100	3,691,692	-	-
CHUM OR KETA	-	-	2,400	1,670	-	-
PINK	-	-	770,000	447,906	-	-
RED OR SOCKEYE	-	-	3,400	3,425	-	-
SILVER OR COHO	-	-	2,673,700	2,927,839	-	-
TUNA, ALBACORE	-	-	-	-	2,525,900	1,444,919
TOTAL	600	480	5,490,600	7,072,532	2,525,900	1,444,919

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

COASTAL DISTRICT OF WASHINGTON
LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	LINES - CONTINUED				DIP NETS, COMMON	
	TROLL - CONTINUED		LONG OR SET WITH HOOKS			
	OTHER					
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
FLOUNDERS, UNCLASSIFIED.....	100	11	-	-	-	-
HALIBUT.....	3,500	3,986	-	-	-	-
LINGCOD.....	62,900	13,143	-	-	-	-
MACKEREL, PACIFIC.....	300	50	-	-	-	-
ROCKFISHES.....	365,300	44,903	900	111	-	-
SABLEFISH.....	1,200	625	-	-	-	-
SMELT:						
EULACHON.....	-	-	-	-	2,400	144
SURF OR SILVER.....	-	-	-	-	800	118
STURGEON, COMMON.....	100	18	900	444	-	-
TOTAL.....	433,400	62,736	1,800	555	3,200	262

SPECIES	DIP NETS - CONTINUED		DREDGES, OYSTER AND BY HAND		SHOVELS (1)	
	DROP					
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
CRABS, DUNGENESS.....	13,100	6,814	-	-	-	-
CLAMS, RAZOR (2).....	-	-	-	-	142,000	299,786
OYSTERS, MARKET: (3)						
PACIFIC.....	-	-	3,277,600	4,771,585	-	-
WESTERN.....	-	-	100	900	-	-
TOTAL.....	13,100	6,814	3,277,700	4,772,485	142,000	299,786

(1) FISHED ON INDIAN RESERVATIONS BY INDIAN FISHERMEN. (2) BASED ON A YIELD OF 42 PERCENT MEATS. (3) BASED ON A YIELD OF 12 PERCENT MEATS.

COLUMBIA RIVER DISTRICT OF WASHINGTON
OPERATING UNITS BY GEAR, 1977

ITEM	HAUL SEINES, COMMON	PURSE SEINES, SALMON	OTTER TRAWLS			POTS
			FISH	SHRIMP	OTHER	CRAB DUNGENESS
NUMBER						
FISHERMEN:						
ON VESSELS.....	-	10	30	60	27	135
ON BOATS AND SHORE, FULL-TIME.....	5	-	-	-	28	24
TOTAL.....	5	10	30	60	55	159
VESSELS, MOTOR.....	-	2	10	20	9	68
GROSS TONNAGE.....	-	84	530	1,201	70	1,805
BOATS, MOTOR.....	2	2	-	-	14	19
GEAR.....	2	2	10	40	32	7,884

ITEM	POTS - CONTD	GILL NETS			LINES	
	FISH	ANCHOR, SET, OR STAKE, SALMON (1)	DRIFT		TROLL	
			SALMON	OTHER	SALMON	TUNA
NUMBER						
FISHERMEN:						
ON VESSELS.....	6	1	95	3	289	240
ON BOATS AND SHORE, FULL-TIME.....	-	1	357	3	516	8
TOTAL.....	6	2	452	6	805	248
VESSELS, MOTOR.....	3	1	94	3	286	120
GROSS TONNAGE.....	117	7	974	25	5,350	4,487
BOATS, MOTOR.....	-	1	298	3	430	4
GEAR.....	300	2	392	6	2,639	1,200

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PACIFIC COAST FISHERIES

COLUMBIA RIVER DISTRICT OF WASHINGTON OPERATING UNITS BY GEAR, 1977 - Continued

ITEM	LINES - CONTINUED		DIP NETS, COMMON (1)	DREDGES, CLAM	TOTAL, EXCLUSIVE OF DUPLICATION
	TROLL - CONTD	LONG OR SET WITH HOOKS			
	OTHER				
	NUMBER				
FISHERMEN:					
ON VESSELS	288	3	18	-	844
ON BOATS AND SHORE:					
FULL-TIME	95	8	36	2	933
TOTAL	383	11	54	2	1,817
VESSELS, MOTOR	149	1	6	-	501
GROSS TONNAGE	2,789	7	74	-	11,916
BOATS, MOTOR	95	4	18	1	748
GEAR	1,040	62	54	1	-

(1) OPERATED ON INDIAN RESERVATIONS BY INDIAN FISHERMEN.

COLUMBIA RIVER DISTRICT OF WASHINGTON LANDINGS OF CATCH BY GEAR, 1977

SPECIES	HAUL SEINES, COMMON		PURSE SEINES, SALMON		OTTER TRAWLS	
					FISH	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ANCHOVIES	1,000	250	-	-	-	-
CARP	142,400	714	-	-	-	-
COD	-	-	-	-	1,800	294
FLOUNDERS:						
SANDDABS	-	-	-	-	100	21
"SOLE":						
DOVER	-	-	-	-	2,300	365
ENGLISH	-	-	-	-	1,100	214
PETRALE	-	-	-	-	100	37
REX	-	-	-	-	300	57
SAND	-	-	-	-	500	136
UNCLASSIFIED	-	-	-	-	400	74
UNCLASSIFIED	-	-	-	-	400	56
LINGCOD	-	-	-	-	45,200	7,236
OCEAN PERCH, PACIFIC	-	-	-	-	13,700	1,913
ROCKFISHES	-	-	-	-	616,600	130,843
SABLEFISH	-	-	-	-	13,700	4,301
SALMON:						
CHINOOK OR KING	-	-	300	298	-	-
PINK	-	-	7,000	2,466	-	-
RED OR SOCKEYE	-	-	4,100	4,924	-	-
SILVER OR COHO	-	-	600	573	-	-
SAND PERCH	-	-	-	-	100	10
TOTAL	143,400	964	12,000	8,261	696,300	145,557

SPECIES	OTTER TRAWLS - CONTINUED				POTS	
	SHRIMP		OTHER		CRAB, DUNGENESS	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
COD	2,100	294	-	-	-	-
FLOUNDERS, "SOLE":						
DOVER	900	127	-	-	-	-
ENGLISH	100	10	-	-	-	-
LINGCOD	1,800	254	-	-	-	-
ROCKFISHES	121,000	21,747	-	-	-	-
SABLEFISH	7,000	2,016	-	-	-	-
SAND PERCH	500	72	-	-	-	-
SMELT, EULACHON	-	-	466,300	45,782	-	-
CRABS, DUNGENESS	-	-	-	-	2,287,100	1,112,441
SHRIMP, OCEAN	4,044,300	964,505	-	-	-	-
TOTAL	4,177,700	969,025	466,300	45,782	2,287,100	1,112,441

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

COLUMBIA RIVER DISTRICT OF WASHINGTON
LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	POTS - CONTINUED		GILL NETS			
	FISH		ANCHOR, SET, OR STAKE, SALMON (1)		DRIFT	
	POUNDS	DOLLARS	POUNDS	DOLLARS	SALMON	
FLOUNDERS, UNCLASSIFIED	-	-	-	-	29,900	2,252
LINGCOD	700	118	-	-	-	-
ROCKFISHES	2,800	476	-	-	1,500	147
SABLEFISH	649,000	214,824	-	-	-	-
SALMON:						
CHINOOK OR KING	-	-	1,800	3,434	1,771,500	1,765,459
CHUM OR KETA	-	-	-	-	13,800	11,852
RED OR SOCKEYE	-	-	-	-	900	1,281
SILVER OR COHO	-	-	200	345	66,800	78,675
SAND PERCH	-	-	-	-	600	36
SHAD	-	-	200	56	9,500	1,494
SHARKS, GRAYFISH	-	-	4,100	203	-	-
STEELHEAD TROUT	-	-	-	-	64,100	35,577
STURGEON, COMMON	-	-	100	33	115,500	47,930
TOTAL	652,500	215,418	6,400	4,071	2,074,100	1,944,703

SPECIES	GILL NETS - CONTINUED		LINES			
	DRIFT - CONTINUED		SALMON		TUNA	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
SALMON:						
CHINOOK OR KING	-	-	577,600	1,041,240	-	-
PINK	-	-	16,300	11,807	-	-
RED OR SOCKEYE	-	-	3,800	4,014	-	-
SILVER OR COHO	-	-	747,600	831,018	-	-
SMELT, EULACHON	42,500	5,693	-	-	-	-
TUNA, ALBACORE	-	-	-	-	1,968,400	1,407,978
TOTAL	42,500	5,693	1,345,300	1,888,079	1,968,400	1,407,978

SPECIES	LINES - CONTINUED				DIP NETS, COMMON (1)		DREDGES, CLAM	
	TROLL - CONTINUED		LONG OR SET WITH HOOKS		POUNDS	DOLLARS	POUNDS	DOLLARS
	OTHER		POUNDS	DOLLARS				
FLOUNDERS, UNCLASSIFIED	300	36	-	-	-	-	-	-
HALIBUT	100	129	-	-	-	-	-	-
LINGCOD	2,900	531	-	-	-	-	-	-
ROCKFISHES	27,400	3,624	200	20	-	-	-	-
SABLEFISH	600	257	-	-	-	-	-	-
SALMON:								
CHINOOK OR KING	-	-	-	-	8,600	7,546	-	-
SILVER OR COHO	-	-	-	-	200	181	-	-
SMELT, EULACHON	-	-	-	-	332,100	42,122	-	-
STEELHEAD TROUT	-	-	-	-	1,000	842	-	-
STURGEON, COMMON	-	-	5,400	3,517	-	-	-	-
TUNA:								
BLUEFIN	2,300	910	-	-	-	-	-	-
SKIPJACK	5,600	2,159	-	-	-	-	-	-
YELLOWFIN	100	41	-	-	-	-	-	-
CLAMS: (2)								
HARD:								
BUTTER	-	-	-	-	-	-	1,300	827
LITTLENECK	-	-	-	-	-	-	1,000	1,354
UNCLASSIFIED	-	-	-	-	-	-	16,500	11,212
TOTAL	39,300	7,687	5,600	3,537	341,900	50,691	18,800	13,393

(1) FISHED ON INDIAN RESERVATIONS BY INDIAN FISHERMEN. (2) BASED ON A YIELD OF 25 PERCENT MEATS FOR HARD CLAMS.

PACIFIC COAST FISHERIES

OREGON LANDINGS BY DISTRICTS, 1977

SPECIES	COLUMBIA RIVER		COASTAL		
	FISH	POUNDS	DOLLARS	POUNDS	DOLLARS
ANCHOVIES	-	-	200	200	
COD	823,100	145,689	45,900	8,134	
FLOUNDERS:					
ARROWTOOTH HALIBUT	-	-	12,900	1,742	
SANDDABS	63,900	8,230	179,700	43,128	
SOLE:					
DOVER	1,479,200	266,256	2,596,100	467,298	
ENGLISH	561,700	146,042	1,609,500	418,470	
PETRALE	616,400	200,329	1,202,500	390,878	
REX	738,400	197,100	214,400	53,600	
SAND	298,500	86,565	168,400	48,836	
UNCLASSIFIED	1,500	225	106,900	16,035	
UNCLASSIFIED	622,800	93,420	124,000	18,600	
HAKE, PACIFIC (WHITING)	960,000	57,600	11,900	714	
HALIBUT	42,200	42,771	61,300	70,138	
HERRING, SEA	-	-	54,500	54,500	
LAMPREY	1,500	208	-	-	
LINGCOD	347,500	86,875	653,300	163,325	
MACKEREL, PACIFIC	-	-	3,600	252	
OCEAN PERCH, PACIFIC	466,300	74,608	979,700	156,752	
ROCKFISHES	3,806,500	609,040	2,649,600	423,968	
SABLEFISH	72,400	7,735	810,000	205,638	
SALMON					
CHINOOK OR KING	3,200,800	5,126,737	3,765,100	6,896,549	
CHUM OR KETA	800	558	-	-	
PINK	19,200	10,819	437,400	161,212	
RED OR SOCKEYE	100	131	100	90	
SILVER OR COHO	637,200	903,569	2,654,100	3,427,959	
TOTAL SALMON	3,858,100	6,041,814	6,856,700	10,485,810	
SHAD	233,600	11,009	136,200	23,529	
SHARKS					
GRAYFISH	53,800	3,647	2,300	218	
SOUPFIN	-	-	1,600	497	
SKATES	255,200	51,040	100	6	
SMELT					
EULACHON	953,200	95,320	-	-	
SURF OR SILVER	-	-	3,100	458	
STEELHEAD TROUT	72,900	52,536	100	63	
STURGEON, COMMON	257,000	49,946	600	285	
TUNA					
ALBACORE	3,405,800	1,108,360	1,014,400	287,553	
SKIPJACK	1,979,500	742,324	-	-	
YELLOWFIN	3,878,000	1,562,846	-	-	
TOTAL TUNA	9,263,300	3,413,530	1,014,400	287,553	
TURBOT	149,400	10,458	12,400	885	
WOLFFISH	-	-	100	10	
UNCLASSIFIED	509,400	53,875	4,100	1,194	
TOTAL FISH	26,507,800	11,805,868	19,516,100	13,342,716	
SHELLFISH ET AL					
CRABS, DUNGENESS	3,476,900	1,479,517	16,425,500	6,982,280	
CRAWFISH FRESHWATER	32,200	19,402	300	44	
SAND SHRIMP	1,400	109	31,600	13,427	
SHRIMP, OCEAN	11,424,800	2,627,698	37,155,300	8,545,906	
CLAMS (1)					
COCKLE	100	214	200	132	
HARD	-	-	-	-	
BUTTER	-	-	-	-	
LITTLENECK	-	-	200	798	
RAZOR	-	-	18,600	37,200	
SOFT, PUBLIC	100	183	300	521	
UNCLASSIFIED	-	-	54,300	57,558	
TOTAL CLAMS	200	397	73,600	98,209	
OCTOPUS	-	-	4,100	696	
OYSTERS MARKET, PACIFIC (2)	-	-	233,700	360,550	
TOTAL SHELLFISH ET AL	14,935,500	4,127,123	53,924,100	15,989,112	
GRAND TOTAL	41,443,300	15,932,991	73,440,200	29,331,828	

(1) BASED ON A YIELD OF 25 PERCENT MEATS FOR COCKLE, HARD, SOFT, AND UNCLASSIFIED CLAMS, AND 42 PERCENT MEATS FOR RAZOR CLAMS (2) BASED ON A YIELD OF 12 PERCENT MEATS

COLUMBIA RIVER DISTRICT OF OREGON OPERATING UNITS BY GEAR, 1977

ITEM	PURSE SEINES, TUNA	OTTER TRAWLS		POTS			
		FISH	SHRIMP	DUNGENESS	FISH	UNCLASSIFIED	
NUMBER							
FISHERMEN:							
ON VESSELS	28	258	122	164	16	-	
ON BOATS AND SHORE:							
FULL-TIME	-	26	4	21	2	-	
PART-TIME	-	-	-	-	-	14	
TOTAL	28	284	126	185	18	14	
VESSLS, MOTOR	2	74	36	62	16	-	
GROSS TONNAGE	1,727	3,848	2,499	1,800	1,212	-	
BOATS, MOTOR	-	13	2	14	2	2	
GEAR	2	148	70	16,342	900	180	
GILL NETS							
ITEM	ANCHOR, SET, OR STAKE, SALMON	DRIFT			LINES		
		SALMON	SHAD	OTHER	TROLL		
					SALMON	TUNA	
NUMBER							
FISHERMEN:							
ON VESSELS	3	105	20	6	542	412	
ON BOATS AND SHORE:							
FULL-TIME	327	584	132	32	252	4	
TOTAL	330	689	152	38	794	416	
VESSLS, MOTOR	2	70	20	4	271	206	
GROSS TONNAGE	109	972	193	32	6,157	7,347	
BOATS, MOTOR	218	389	88	21	207	2	
GEAR	220	459	108	25	2,348	2,064	
LINES - CONTD							
ITEM	TROLL - CONTD	LONG OR SET WITH HOOKS	DIP NETS, COMMON (1)	WATER PUMP	SHOVELS	TOTAL, EXCLUSIVE OF DUPLICATION	
							OTHER
NUMBER							
FISHERMEN:							
ON VESSELS	276	16	-	-	-	1,255	
ON BOATS AND SHORE:							
FULL-TIME	46	32	32	4	13	1,246	
PART-TIME	-	-	-	-	-	14	
TOTAL	322	48	32	4	13	2,515	
VESSLS, MOTOR	138	8	-	-	-	547	
GROSS TONNAGE	4,922	205	-	-	-	19,075	
BOATS, MOTOR	46	16	1	-	-	795	
GEAR	368	528	32	4	13	-	

(1) OPERATED ON INDIAN RESERVATIONS BY INDIAN FISHERMEN.

PACIFIC COAST FISHERIES

COLUMBIA RIVER DISTRICT OF OREGON LANDINGS OF CATCH BY GEAR, 1977

SPECIES	PURSE SEINES, TUNA		OTTER TRAWLS			
			FISH		SHRIMP	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
COD	-	-	758,100	134,184	20,000	3,540
FLOUNDERS:						
SANDDABS	-	-	63,900	8,230	-	-
"SOLE":						
DOVER	-	-	1,454,500	261,810	11,200	2,016
ENGLISH	-	-	561,300	145,938	-	-
PETRALE	-	-	612,300	198,997	1,600	520
REX	-	-	730,000	195,000	3,700	925
SAND	-	-	298,500	86,565	-	-
UNCLASSIFIED	-	-	1,500	225	-	-
UNCLASSIFIED	-	-	485,100	72,765	-	-
HAKE, PACIFIC (WHITING)	-	-	960,000	57,600	-	-
LAMPREY	-	-	1,500	208	-	-
LINGCOD	-	-	283,000	70,750	30,600	7,650
OCEAN PERCH, PACIFIC	-	-	462,500	74,000	3,800	608
ROCKFISHES	-	-	3,132,600	501,216	250,900	40,144
SABLEFISH	-	-	65,300	7,020	5,800	461
SHARKS, GRAYFISH	-	-	53,800	3,647	-	-
SKATES	-	-	255,200	51,040	-	-
SMELT, EULACHON	-	-	133,100	13,310	-	-
STURGEON, COMMON	-	-	1,600	160	-	-
TUNA:						
SKIPJACK	1,979,500	742,324	-	-	-	-
YELLOWFIN	3,878,000	1,562,846	-	-	-	-
TURBOT	-	-	149,400	10,458	-	-
UNCLASSIFIED	-	-	509,100	53,825	-	-
SHRIMP, OCEAN	-	-	-	-	11,424,800	2,627,698
TOTAL	5,857,500	2,305,170	10,972,300	1,946,948	11,752,400	2,683,562

SPECIES	POTS					
	DUNGENESS		FISH		UNCLASSIFIED	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
LINGCOD	-	-	28,900	7,225	-	-
ROCKFISHES	-	-	402,200	64,352	-	-
SABLEFISH	-	-	1,000	195	-	-
CRABS, DUNGENESS	3,476,900	1,479,517	-	-	-	-
CRAWFISH, FRESHWATER	-	-	-	-	32,200	19,402
TOTAL	3,476,900	1,479,517	432,100	71,772	32,200	19,402

SPECIES	GILL NETS					
	ANCHOR, SET, OR STAKE, SALMON		DRIFT			
			SALMON		SHAD	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
FLOUNDERS, UNCLASSIFIED	-	-	136,400	20,460	-	-
SALMON:						
CHINOOK OR KING	241,600	239,159	2,730,200	4,461,594	-	-
CHUM OR KETA	-	-	800	558	-	-
RED OR SOCKEYE	-	-	100	131	-	-
SILVER OR COHO	3,900	1,000	250,400	345,081	-	-
SHAD	-	-	-	-	223,400	10,499
STEELHEAD TROUT	72,900	52,536	-	-	-	-
STURGEON, COMMON	8,900	1,841	215,800	36,626	-	-
TOTAL	327,300	294,536	3,333,700	4,864,450	223,400	10,499

SPECIES	GILL NETS - CONTD		LINES			
	DRIFT - CONTD		TROLL			
	OTHER		SALMON		TUNA	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
SALMON:						
CHINOOK OR KING	-	-	228,600	425,196	-	-
PINK	-	-	19,200	10,819	-	-
SILVER OR COHO	-	-	382,900	557,488	-	-
SMELT, EULACHON	820,100	82,010	-	-	-	-
TUNA, ALBACORE	-	-	-	-	3,405,800	1,108,360
TOTAL	820,100	82,010	630,700	993,503	3,405,800	1,108,360

(CONTINUED ON NEXT PAGE)

**COLUMBIA RIVER DISTRICT OF OREGON
LANDINGS OF CATCH BY GEAR, 1977 - Continued**

SPECIES	LINES - CONTINUED				DIP NETS, COMMON (1)	
	TROLL - CONTD		LONG OR SET WITH HOOKS			
	OTHER					
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
COD	45,000	7,965	-	-	-	-
FLOUNDERS:						
"SOLE":						
DOVER	13,500	2,430	-	-	-	-
ENGLISH	400	104	-	-	-	-
PETRALE	2,500	812	-	-	-	-
REX	4,700	1,175	-	-	-	-
UNCLASSIFIED	1,300	195	-	-	-	-
HALIBUT	-	-	42,200	42,771	-	-
LINGCOD	5,000	1,250	-	-	-	-
ROCKFISHES	20,800	3,328	-	-	-	-
SABLEFISH	300	59	-	-	-	-
SALMON, CHINOOK OR KING	-	-	-	-	400	788
SHAD	-	-	-	-	10,200	510
STURGEON, COMMON	-	-	30,700	11,319	-	-
UNCLASSIFIED	300	50	-	-	-	-
TOTAL	93,800	17,368	72,900	54,090	10,600	1,298

SPECIES	WATER PUMP		SHOVELS	
	POUNDS	DOLLARS	POUNDS	DOLLARS
SAND SHRIMP	1,400	109	-	-
CLAMS: (2)				
COCKLE	-	-	100	214
SOFT, PUBLIC	-	-	100	183
TOTAL	1,400	109	200	397

(1) FISHED ON INDIAN RESERVATIONS BY INDIAN FISHERMEN.
(2) BASED ON A YIELD OF 25 PERCENT MEATS.

**COASTAL DISTRICT OF OREGON
OPERATING UNITS BY GEAR, 1977**

ITEM	HAUL SEINES, COMMON	OTTER TRAWLS		POTS		
		FISH	SHRIMP	DUNGENESS	FISH	UNCLASSIFIED
----- NUMBER -----						
FISHERMEN:						
ON VESSELS	1	1,117	267	560	24	1
ON BOATS AND SHORE:						
FULL-TIME	14	-	-	90	8	-
PART-TIME	-	-	-	-	-	8
TOTAL	15	1,117	267	650	32	9
VESSELS, MOTOR	1	321	81	226	12	1
GROSS TONNAGE	12	8,039	4,324	5,267	642	14
BOATS, MOTOR	2	-	-	60	4	1
GEAR	6	614	147	60,285	800	90

ITEM	GILL NETS			LINES
	ANCHOR, SET, OR STAKE, SALMON	DRIFT, SHAD	UNCLASSIFIED	TROLL
				SALMON
----- NUMBER -----				
FISHERMEN:				
ON VESSELS	3	-	-	2,171
ON BOATS AND SHORE:				
FULL-TIME	-	36	3	1,908
TOTAL	3	36	3	4,079
VESSELS, MOTOR	2	-	-	1,086
GROSS TONNAGE	84	-	-	18,677
BOATS, MOTOR	-	18	3	1,592
GEAR	2	18	3	12,044

(CONTINUED ON NEXT PAGE)

PACIFIC COAST FISHERIES

COASTAL DISTRICT OF OREGON OPERATING UNITS BY GEAR, 1977 - Continued

ITEM	LINES - CONTINUED			WATER PUMP	DREDGES, OYSTER, COMMON	SHOVELS	TOTAL, EXCLUSIVE OF DUPLICATION
	TROLL - CONTD		LONG OR SET WITH HOOKS				
	TUNA	OTHER					
	NUMBER						
FISHERMEN:							
ON VESSELS	466	1,762	174	-	4	-	3,039
ON BOATS AND SHORE:							
FULL-TIME	60	1,162	122	39	-	298	2,391
PART-TIME	-	-	-	-	-	-	8
TOTAL	526	2,924	296	39	4	298	5,438
VESSLS. MOTOR	233	881	87	-	2	-	1,233
GROSS TONNAGE	5,502	14,261	1,330	-	23	-	24,773
BOATS. MOTOR	30	1,162	61	-	-	-	1,624
GEAR	2,390	4,110	4,838	39	4	298	-

COASTAL DISTRICT OF OREGON LANDINGS OF CATCH BY GEAR, 1977

SPECIES	HAUL SEINES, COMMON		OTTER TRAWLS			
			FISH		SHRIMP	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ANCHOVIES	-	-	200	200	-	-
COD	-	-	43,600	7,727	2,200	389
FLOUNDER:						
ARROWTOOTH HALIBUT	-	-	12,900	1,742	-	-
SANDDABS	-	-	178,800	42,912	900	216
"SOLE":						
DOVER	-	-	2,545,700	458,226	50,400	9,072
ENGLISH	-	-	1,605,700	417,482	3,800	988
PETRALE	-	-	1,191,800	387,335	9,600	3,185
REX	-	-	213,100	53,275	1,200	300
SAND	-	-	168,400	48,836	-	-
UNCLASSIFIED	-	-	106,700	16,005	-	-
UNCLASSIFIED	-	-	124,000	18,600	-	-
HAKE, PACIFIC (WHITING)	-	-	11,300	678	-	-
HERRING, SEA	37,600	37,600	14,300	14,300	-	-
LINGCOD	-	-	543,300	135,825	10,000	2,500
OCEAN PERCH, PACIFIC	-	-	972,900	155,664	6,800	1,088
ROCKFISHES	-	-	1,817,900	290,864	348,000	55,712
SABLEFISH	-	-	767,800	191,950	11,800	2,950
SHARKS						
GRAYFISH	-	-	1,900	155	-	-
SOUPFIN	-	-	1,600	497	-	-
SKATES	-	-	100	6	-	-
STURGEON, COMMON	-	-	100	40	-	-
TURBOT	-	-	12,400	885	-	-
WOLFFISH	-	-	100	10	-	-
UNCLASSIFIED	-	-	2,500	340	-	-
SHRIMP, OCEAN	-	-	-	-	37,155,300	8,545,906
OCTOPUS	-	-	4,100	696	-	-
TOTAL	37,600	37,600	10,341,200	2,244,250	37,600,000	8,622,306

SPECIES	POTS AND TRAPS					
	DUNGENESS		CRAWFISH		FISH	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
LINGCOD	-	-	-	-	900	225
ROCKFISHES	-	-	-	-	5,900	944
SABLEFISH	-	-	-	-	900	669
CRABS DUNGENESS	16,425,500	6,982,280	-	-	-	-
CRAWFISH FRESHWATER	-	-	300	44	-	-
TOTAL	16,425,500	6,982,280	300	44	7,700	1,838

(CONTINUED ON NEXT PAGE)

COASTAL DISTRICT OF OREGON
LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	GILL NETS			
	ANCHOR, SET, OR STAKE, SALMON		DRIFT, SHAD	
	<u>POUNDS</u>	<u>DOLLARS</u>	<u>POUNDS</u>	<u>DOLLARS</u>
SALMON, CHINOOK OR KING	87,300	55,841	-	-
SHAD	-	-	85,300	4,818
STEELHEAD TROUT	100	63	-	-
STURGEON, COMMON	500	245	-	-
TOTAL	87,900	56,149	85,300	4,818

SPECIES	GILL NETS - CONTINUED		LINES	
	UNCLASSIFIED		TROLL	
			SALMON	
	<u>POUNDS</u>	<u>DOLLARS</u>	<u>POUNDS</u>	<u>DOLLARS</u>
HERRING, SEA	2,600	2,600	-	-
LINGCOD	100	25	-	-
ROCKFISHES	700	112	-	-
SALMON:				
CHINOOK OR KING	-	-	3,677,800	6,840,708
PINK	-	-	437,400	161,212
RED OR SOCKEYE	-	-	100	90
SILVER OR COHO	-	-	2,654,100	3,427,959
SHAD	2,200	601	-	-
SMELT, SURF OR SILVER	3,100	458	-	-
TOTAL	8,700	3,796	6,769,400	10,429,969

SPECIES	LINES - CONTINUED					
	TROLL - CONTINUED				LONG OR SET WITH HOOKS	
	TUNA		OTHER			
	<u>POUNDS</u>	<u>DOLLARS</u>	<u>POUNDS</u>	<u>DOLLARS</u>	<u>POUNDS</u>	<u>DOLLARS</u>
COD	-	-	100	18	-	-
FLOUNDERS, SOLE:						
PETRALE	-	-	1,100	358	-	-
REX	-	-	100	25	-	-
UNCLASSIFIED	-	-	200	30	-	-
HAKE, PACIFIC (WHITING)	-	-	600	36	-	-
HALIBUT	-	-	-	-	61,300	70,138
LINGCOD	-	-	99,000	24,750	-	-
MACKEREL, PACIFIC	-	-	3,600	252	-	-
ROCKFISHES	-	-	477,100	76,336	-	-
SABLEFISH	-	-	29,500	10,069	-	-
SHAD	-	-	48,700	18,110	-	-
SHARKS, GRAYFISH	-	-	400	63	-	-
TUNA, ALBACORE	1,014,400	287,553	-	-	-	-
UNCLASSIFIED	-	-	1,600	854	-	-
TOTAL	1,014,400	287,553	662,000	130,901	61,300	70,138

SPECIES	WATER PUMP		DREDGES, OYSTER, COMMON		SHOVELS	
	<u>POUNDS</u>	<u>DOLLARS</u>	<u>POUNDS</u>	<u>DOLLARS</u>	<u>POUNDS</u>	<u>DOLLARS</u>
SAND SHRIMP	31,600	13,427	-	-	-	-
CLAMS: (1)						
COCKLE	-	-	-	-	200	132
HARD, LITTLENECK	-	-	-	-	200	798
RAZOR	-	-	-	-	18,600	37,200
SOFT, PUBLIC	-	-	-	-	300	521
UNCLASSIFIED	-	-	-	-	54,300	57,558
OYSTERS, MARKET, PACIFIC (2)	-	-	233,700	350,550	-	-
TOTAL	31,600	13,427	233,700	350,550	73,600	96,209

(1) BASED ON A YIELD OF 25 PERCENT MEATS FOR COCKLE, HARD, SOFT, AND UNCLASSIFIED CLAMS, AND 42 PERCENT FOR RAZOR CLAMS
(2) BASED ON A YIELD OF 12 PERCENT MEATS.

PACIFIC COAST FISHERIES

CALIFORNIA LANDINGS BY DISTRICTS, 1977

SPECIES	NORTHERN		SAN FRANCISCO		MONTEREY	
	FISH	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ANCHOVIES	-	-	508,800	52,908	17,893,800	379,392
BLACKFISH	-	-	32,000	7,574	-	-
BONITO	-	-	100	7	300	74
CABEZON	400	75	1,800	365	3,300	541
CARP	-	-	800	548	-	-
CATFISH AND BULLHEADS	-	-	8,800	1,764	-	-
CROAKER, WHITE	-	-	28,300	8,589	184,300	28,778
COD	100	14	-	-	-	-
EELS:						
COMMON	-	-	-	-	100	10
MORAY	-	-	-	-	100	12
FLOUNDERS:						
CALIFORNIA HALIBUT	300	495	40,500	31,097	14,900	15,457
SANDDABS	379,400	92,275	353,400	86,128	74,200	17,823
"SOLE":						
DOVER	14,963,900	2,352,389	4,092,300	662,077	2,721,400	443,400
ENGLISH	1,552,300	378,355	1,054,900	255,920	321,200	63,882
PETRALE	934,400	303,029	524,700	171,705	252,800	80,385
REX	1,078,300	242,046	308,400	72,679	91,000	17,183
SAND	53,300	15,292	176,700	51,201	3,100	835
UNCLASSIFIED	685,000	88,109	468,100	71,959	69,800	19,086
GRENADIER	98,600	6,307	3,700	267	-	-
HAKE, PACIFIC (WHITING)	80,900	4,062	-	-	1,200	23
HERRING, SEA	45,300	8,549	11,292,800	1,726,702	314,500	25,475
JACK MACKEREL	4,800	286	100	22	378,500	23,035
LINGCOD	849,600	151,562	491,400	86,611	175,000	32,480
MACKEREL, PACIFIC	-	-	-	-	5,000	256
PERCH	145,400	27,102	30,500	15,081	-	-
POMPANO	100	7	-	-	32,500	29,740
ROCKFISHES	9,235,800	1,451,654	2,325,100	459,683	5,423,000	970,933
SABLEFISH	4,471,900	616,595	1,385,200	254,532	5,008,400	657,962
SALMON:						
CHINOOK OR KING	3,079,200	6,262,379	1,735,100	3,572,878	597,500	1,211,111
PINK	14,700	8,979	-	-	-	-
SILVER OR COHO	285,000	347,896	9,400	13,762	3,400	5,103
UNCLASSIFIED	1,600	1,748	3,400	7,362	1,700	3,942
SEA BASS, WHITE	-	-	200	250	10,500	12,164
SHARKS:						
GRAYFISH	800	132	500	81	5,400	798
UNCLASSIFIED	13,300	3,201	194,200	39,494	87,800	11,997
SILVERSIDES	-	-	900	87	-	-
SKATES	56,200	10,386	22,400	4,057	78,000	6,729
SMELT, SURF OR SILVER	805,400	101,432	52,000	11,022	50,200	5,731
SUCKERS	-	-	39,100	8,827	-	-
SWORDFISH	-	-	400	1,176	400	1,131
TUNA:						
ALBACORE	2,031,200	1,170,298	1,722,300	988,348	4,020,400	2,318,722
SKIPJACK	-	-	-	-	1,800	566
TURBOT	6,500	1,804	5,900	1,627	200	63
UNCLASSIFIED	600	96	400	86	-	-
TOTAL FISH	40,874,300	13,646,554	26,894,600	8,666,476	37,625,300	6,382,829
SHELLFISH ET AL.						
CRABS:						
DUNGENESS	33,325,500	15,551,396	299,300	178,563	8,000	5,644
ROCK	600	424	200	54	-	-
CRAWFISH, FRESHWATER	-	-	577,100	261,181	17,800	30,796
SHRIMP:						
OCEAN	13,863,500	3,143,185	2,002,200	458,569	2,100	6,520
UNCLASSIFIED	-	-	-	-	13,500	37,940
ABALONE	-	-	19,500	114,686	-	-
CLAMS, UNCLASSIFIED (1)	-	-	300	172	-	-
MUSSELS, SEA	-	-	4,300	3,298	-	-
OCTOPUS	27,500	8,677	3,600	1,176	1,900	924
OYSTERS, MARKET: (2)						
EASTERN	-	-	3,800	16,567	-	-
PACIFIC	568,800	796,320	275,600	385,840	-	-
SQUID	1,000	119	-	-	4,469,000	462,262
SEA URCHINS	355,500	35,544	26,300	6,106	4,200	331
FROGS	-	-	4,800	6,629	-	-
SHELLFISH, UNCLASSIFIED	400	29	100	25	-	-
TOTAL SHELLFISH ET AL.	48,142,800	19,535,694	3,217,100	1,432,866	4,516,500	544,417
GRAND TOTAL	89,017,100	33,182,248	30,111,700	10,099,342	42,141,800	6,927,246

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CALIFORNIA - LANDINGS BY DISTRICTS, 1977 - Continued

SPECIES	SANTA BARBARA		SAN PEDRO		SAN DIEGO	
	FISH	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ANCHOVIES.....	29,582,800	630,906	175,187,100	3,988,346	1,200	427
BARRACUDA.....	5,000	2,494	66,300	32,051	5,800	2,674
BONITO.....	7,700	1,304	16,951,200	3,270,291	5,588,500	1,066,560
CABEZON.....	6,400	752	100	24	-	-
CROAKER, WHITE.....	161,600	49,074	206,800	26,126	7,400	2,666
DOLPHINFISH.....	300	157	100	38	10,100	2,752
FLOUNDERS:						
CALIFORNIA HALIBUT.....	296,100	305,969	74,600	71,847	41,500	35,615
SANDDABS.....	2,200	515	200	69	200	117
"SOLE":						
DOVER.....	146,300	20,117	-	-	-	-
ENGLISH.....	474,600	104,124	-	-	100	20
PETRALE.....	488,500	152,238	-	-	-	-
REX.....	70,300	15,557	-	-	-	-
SAND.....	10,700	3,004	-	-	-	-
UNCLASSIFIED.....	48,900	8,633	700	225	800	292
FLYING FISH.....	-	-	83,900	26,863	100	45
GROUPERS.....	-	-	5,800	1,442	2,100	1,159
HAKE, PACIFIC, WHITING.....	4,700	834	-	-	-	-
HALFMOON.....	-	-	31,500	11,380	9,300	3,598
JACK MACKEREL.....	11,254,400	532,033	93,322,900	4,515,120	11,500	3,249
LINGCOD.....	176,600	31,274	1,100	339	700	177
MACKEREL, PACIFIC.....	84,600	6,259	7,215,300	328,150	5,900	1,602
MULLET, BLACK (LISA).....	-	-	3,800	1,171	3,000	1,213
OPALEYE.....	-	-	1,100	496	600	266
PERCH.....	13,700	6,476	15,400	5,141	25,400	9,663
POMPANO.....	13,200	5,536	8,700	3,576	1,400	683
ROCKFISHES.....	5,559,600	1,023,572	479,600	168,534	992,400	334,159
SABLEFISH.....	848,600	107,318	1,614,400	206,100	7,600	1,331
SALMON:						
CHINOOK OR KING.....	194,000	436,309	600	1,767	-	-
SILVER OR COHO.....	400	684	-	-	-	-
UNCLASSIFIED.....	2,200	5,320	300	855	-	-
SARDINE, PACIFIC.....	-	-	3,800	191	800	389
SCULPIN.....	-	-	2,400	1,330	114,300	51,281
SEA BASS:						
BLACK.....	1,100	513	30,800	13,619	17,400	8,854
WHITE.....	49,600	45,877	574,700	422,905	564,800	404,743
SHARKS:						
GRAYFISH.....	259,200	12,945	118,200	10,521	100	28
UNCLASSIFIED.....	215,200	67,049	309,900	87,686	179,300	60,387
SHEEPHEAD.....	1,300	231	4,000	1,090	1,000	247
SKATES.....	5,800	1,070	300	53	-	-
SMELT, SURF OR SILVER.....	-	-	12,000	1,701	500	104
STARFISH.....	-	-	300	14	-	-
SWORDFISH.....	72,400	173,893	310,500	759,136	127,800	333,845
TUNA:						
ALBACORE.....	1,084,000	627,775	1,889,100	1,107,551	5,157,100	2,970,419
BLUEFIN.....	200	60	4,734,000	1,956,371	2,205,900	855,937
SKIPJACK.....	900	262	46,509,800	15,868,267	35,943,800	12,670,851
YELLOWFIN.....	-	-	116,726,500	45,112,971	78,869,500	30,718,994
BIGEYE.....	-	-	1,242,400	482,098	2,097,700	855,982
TURBOT.....	7,200	947	-	-	-	-
WAHOO.....	-	-	4,100	2,173	8,300	3,582
WHITEFISH, OCEAN.....	300	51	100	13	1,200	344
YELLOWTAIL, PACIFIC.....	400	86	1,669,100	343,938	145,200	37,010
UNCLASSIFIED.....	200	48	18,200	2,054	100	10
TOTAL FISH.....	51,131,000	4,381,266	469,431,700	78,833,633	132,150,400	50,461,275
SHELLFISH ET AL.						
CRABS:						
DUNGENESS.....	14,900	13,662	-	-	-	-
ROCK.....	492,800	117,997	510,200	172,105	79,100	25,624
UNCLASSIFIED.....	200	50	2,300	557	-	-
LOBSTERS, SPINY.....	48,800	115,994	88,800	219,256	114,000	271,445
SHRIMP:						
OCEAN.....	3,600	954	-	-	-	-
UNCLASSIFIED.....	43,300	61,012	-	-	-	-
ABALONE.....	180,100	820,909	51,500	264,609	35,900	187,763
CLAMS, UNCLASSIFIED (1).....	-	-	1,000	283	-	-
OCTOPUS.....	1,200	293	100	51	200	44
OYSTERS, MARKET, PACIFIC (2).....	82,100	117,157	-	-	-	-
SQUID.....	5,365,700	191,815	18,387,100	824,545	21,100	1,906
SEA URCHINS.....	13,065,900	1,290,245	1,668,700	170,120	1,415,700	126,788
SHELLFISH, UNCLASSIFIED.....	100	44	15,800	3,162	300	75
TOTAL SHELLFISH ET AL.....	19,298,700	2,730,132	20,725,500	1,654,688	1,666,300	613,645
GRAND TOTAL.....	70,429,700	7,111,398	490,157,200	80,488,321	133,816,700	51,074,920

(1) BASED ON A YIELD OF 25 PERCENT MEATS. (2) BASED ON A YIELD OF 10.9 PERCENT MEATS FOR EASTERN OYSTERS AND 15.5 PERCENT MEATS FOR PACIFIC OYSTERS.

CALIFORNIA - LANDINGS BY WATERS, 1977

SPECIES	OFF UNITED STATES		OFF FOREIGN COASTS		TOTAL	
	THOUSAND	THOUSAND	THOUSAND	THOUSAND	THOUSAND	THOUSAND
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ANCHOVIES.....	222,953	5,052	-	-	222,953	5,052
BARRACUDA.....	77	37	-	-	77	37
BLACKFISH.....	32	8	-	-	32	8
BONITO.....	11,000	2,126	11,548	2,232	22,548	4,358
CABEZON.....	12	2	-	-	12	2
CARP.....	1	1	-	-	1	1
CATFISH AND BULLHEADS.....	9	2	-	-	9	2
COD.....	(1)	(1)	-	-	(1)	(1)
CROAKER, WHITE.....	588	113	-	-	588	113
DOLPHINFISH.....	3	1	7	2	10	3
EELS:						
COMMON.....	(1)	(1)	-	-	(1)	(1)
MORAY.....	(1)	(1)	-	-	(1)	(1)
FLOUNDERS:						
CALIFORNIA HALIBUT.....	466	459	2	1	468	460
SANDDABS.....	810	197	-	-	810	197
"SOLE".....	30,592	5,593	-	-	30,592	5,593
FLYING FISH.....	84	27	-	-	84	27
GRENADIER.....	102	7	-	-	102	7
GROUPERS.....	8	3	-	-	8	3
HAKE, PACIFIC (WHITING).....	87	5	-	-	87	5
HALFMOON.....	41	15	-	-	41	15
HERRING, SEA.....	11,653	1,761	-	-	11,653	1,761
JACK MACKEREL.....	104,972	5,074	-	-	104,972	5,074
LINGCOD.....	1,694	302	-	-	1,694	302
MACKEREL, PACIFIC.....	7,311	336	-	-	7,311	336
MULLET, BLACK (LISA).....	7	2	-	-	7	2
OPALEYE.....	2	1	-	-	2	1
PERCH.....	230	63	-	-	230	63
POMPANO.....	56	40	-	-	56	40
ROCKFISHES.....	23,958	4,395	58	14	24,016	4,409
SABLEFISH.....	13,316	1,844	-	-	13,316	1,844
SALMON:						
CHINOOK OR KING.....	5,606	11,485	-	-	5,606	11,485
PINK.....	15	9	-	-	15	9
SILVER OR COHO.....	298	367	-	-	298	367
UNCLASSIFIED.....	9	19	-	-	9	19
SARDINE, PACIFIC.....	5	1	-	-	5	1
SCULPIN.....	29	13	88	40	117	53
SEA BASS:						
BLACK, PACIFIC.....	7	3	42	20	49	23
WHITE.....	375	277	825	609	1,200	886
SHARKS:						
GRAYFISH.....	385	24	-	-	385	24
UNCLASSIFIED.....	880	238	120	32	1,000	270
SHEEPHEAD.....	6	2	-	-	6	2
SILVERSIDES.....	1	(1)	-	-	1	(1)
SKATES.....	163	22	-	-	163	22
SMELT:						
SURF OR SILVER.....	920	120	-	-	920	120
SUCKERS.....	39	9	-	-	39	9
SWORDFISH.....	509	1,262	3	7	512	1,269
TUNA:						
ALBACORE.....	9,754	5,632	6,150	3,551	15,904	9,183
BIGEYE.....	-	-	3,340	1,338	3,340	1,338
BLUEFIN.....	1,500	608	5,440	2,204	6,940	2,812
SKIPJACK.....	-	-	82,456	28,540	82,456	28,540
YELLOWFIN.....	-	-	195,596	75,832	195,596	75,832
TURBOT.....	20	4	-	-	20	4
WAHOO.....	12	6	-	-	12	6
WHITEFISH, OCEAN.....	2	(1)	-	-	2	(1)
YELLOWTAIL, PACIFIC.....	815	171	1,000	210	1,815	381
UNCLASSIFIED.....	20	2	-	-	20	2
TOTAL FISH.....	451,434	47,740	306,675	114,632	758,109	162,372
CRABS:						
DUNGENESS.....	33,648	15,749	-	-	33,648	15,749
ROCK.....	1,083	316	-	-	1,083	316
UNCLASSIFIED.....	2	1	-	-	2	1
CRAWFISH, FRESHWATER.....	595	292	-	-	595	292
LOBSTERS, SPINY.....	251	607	-	-	251	607
SHRIMP:						
OCEAN.....	15,871	3,609	-	-	15,871	3,609
UNCLASSIFIED.....	57	99	-	-	57	99
ABALONE.....	287	1,388	-	-	287	1,388
CLAMS, UNCLASSIFIED (2).....	1	(1)	-	-	1	(1)
MUSSELS, SEA.....	4	3	-	-	4	3
OCTOPUS.....	34	11	-	-	34	11
OYSTERS, MARKET (3)						
EASTERN.....	4	17	-	-	4	17
PACIFIC.....	926	1,299	-	-	926	1,299
SQUID.....	28,244	1,481	-	-	28,244	1,481
SEA URCHINS.....	16,536	1,629	-	-	16,536	1,629
FROGS.....	5	7	-	-	5	7
SHELLFISH, UNCLASSIFIED.....	17	3	-	-	17	3
TOTAL SHELLFISH.....	97,565	26,511	-	-	97,565	26,511
GRAND TOTAL.....	548,999	74,251	306,675	114,632	855,674	188,883

(1) LESS THAN 500 POUNDS OR \$500. (2) BASED ON A YIELD OF 25 PERCENT MEATS. (3) BASED ON A YIELD OF 10.9 PERCENT MEATS FOR EASTERN OYSTERS AND 15.5 PERCENT MEATS FOR PACIFIC OYSTERS.

CALIFORNIA OPERATING UNITS BY GEAR, 1977

ITEM	HAUL SEINES, COMMON	PURSE SEINES				OTHER
		ANCHOVY	MACKEREL	TUNA		
NUMBER						
FISHERMEN:						
ON VESSELS:						
FULL-TIME	6	90	405	1 540		549
ON BOATS AND SHORE:						
FULL-TIME	21	10	27	154		204
TOTAL	27	100	432	1 694		753
VESSLS, MOTOR	2	9	45	140		183
GROSS TONNAGE	40	822	3 970	73 513		30 548
BOATS:						
MOTOR	7	1	3	14		68
OTHER	9	10	48	308		251
GEAR	9	10	48	154		251

ITEM	LAMPARA NETS				OTTER TRAWLS	
	MACKEREL	SQUID	TUNA	OTHER	FISH	SHRIMP
NUMBER						
FISHERMEN:						
ON VESSELS:						
FULL-TIME	220	216	40	287	1 317	174
ON BOATS AND SHORE:						
FULL-TIME	11	40		77	858	
TOTAL	231	256	40	364	2 175	174
VESSLS, MOTOR	20	27	5	41	439	58
GROSS TONNAGE	571	777	277	1 194	14 081	2 883
BOATS:						
MOTOR	1	5		11	286	
GEAR	21	32	5	52	725	58

ITEM	POTS AND TRAPS					GILL NETS
	CRAB, DUNGENESS	CRAWFISH	FISH	LOBSTER SPINY	SHRIMP	ANCHOR SET OR STAKE
NUMBER						
FISHERMEN:						
ON VESSELS:						
FULL-TIME	872	2	62	46	14	156
ON BOATS AND SHORE:						
FULL-TIME	420	122	67	200	2	174
TOTAL	1,292	124	129	246	16	330
VESSLS, MOTOR	436	1	62	23	7	52
GROSS TONNAGE	10,376	11	1 497	366	104	804
BOATS:						
MOTOR	210	61	67	100		58
GEAR	83,980	6,200	8 385	12 300	296	440

ITEM	GILL NETS - CONTINUED			TRAMMEL NETS	ALBACORE	ROCK FISH
	DRIFT					
	BARRACUDA	SEA BASS	OTHER			
NUMBER						
FISHERMEN:						
ON VESSELS:						
FULL-TIME	27	42	672	51	386	34
ON BOATS AND SHORE:						
FULL-TIME	30	21	567	48	171	154
TOTAL	57	63	1 239	99	557	188
VESSLS, MOTOR	9	14	224	11	154	11
GROSS TONNAGE	114	264	4 059	198	8 837	111
BOATS:						
MOTOR	10	7	169	16	19	62
GEAR	76	64	1 652	33	557	487

SEE FOOTNOTE AT END OF TABLE

CONTINUED ON NEXT PAGE

PACIFIC COAST FISHERIES

CALIFORNIA

OPERATING UNITS BY GEAR, 1977 - CONTINUED

ITEM	LINES - CONTINUED					
	HAND - CONTINUED		TROLL			LONG OR SET WITH HOOKS
	YELLOWFIN	OTHER	SALMON	TUNA	OTHER	
	----- NUMBER -----					
FISHERMEN:						
ON VESSELS:						
FULL-TIME	621	3,582	2,334	1,638	2,253	104
ON BOATS AND SHORE:						
FULL-TIME	162	5,310	4,660	310	3,411	162
TOTAL	783	8,892	6,994	1,948	5,664	266
VESSLS. MOTOR	69	1,194	1,167	819	751	52
GROSS TONNAGE	5,942	34,867	22,459	24,488	13,938	1,233
BOATS:						
MOTOR	18	1,770	2,330	155	1,137	81
GEAR	783	20,748	17,485	7,792	16,992	2,660
ITEM	DIP NETS, COMMON	BRAIL OR SCOOP NETS	HARPOONS			
			SWORDFISH	OTHER		
		----- NUMBER -----				
FISHERMEN:						
ON VESSELS:						
FULL-TIME	344	48	234	28		
ON BOATS AND SHORE:						
FULL-TIME	48	56	142	12		
TOTAL	392	104	376	40		
VESSLS. MOTOR	43	6	117	14		
GROSS TONNAGE	1,703	394	3,404	407		
BOATS:						
MOTOR	6	7	71	6		
GEAR	147	39	188	20		
ITEM	DIVING OUTFITS		BY HAND		OTHER GEAR	TOTAL, EXCLUSIVE OF DUPLICATION
	ABALONE	OTHER	OYSTER	OTHER		
		----- NUMBER -----				
FISHERMEN:						
ON VESSELS:						
FULL-TIME	54	90	-	-	3	10,138
ON BOATS AND SHORE:						
FULL-TIME	422	316	6	3	4	11,877
TOTAL	476	406	6	3	7	22,015
VESSLS. MOTOR	27	45	-	-	3	2,677
GROSS TONNAGE	521	653	-	-	36	151,366
BOATS:						
MOTOR	211	158	6	3	4	4,333
OTHER	-	-	-	-	-	413
GEAR	238	203	-	-	7	-

NOTE: OPERATING UNITS FOR CALIFORNIA DISTRICTS ARE COMBINED FOR 1977.

NORTHERN DISTRICT OF CALIFORNIA
LANDINGS OF CATCH BY GEAR, 1977

SPECIES	HAUL SEINES		PURSE SEINES		OTTER TRAWLS	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
COD	-	-	-	-	100	14
FLOUNDERS:						
SANDDABS	-	-	-	-	379,400	92,275
"SOLE":						
DOVER	-	-	-	-	14,963,900	2,352,389
ENGLISH	-	-	-	-	1,551,600	378,252
PETRALE	-	-	-	-	934,300	302,989
REX	-	-	-	-	1,078,300	242,046
SAND	-	-	-	-	53,300	15,292
UNCLASSIFIED	-	-	-	-	685,000	88,109
GRENADIER	-	-	-	-	98,600	6,307
HAKE, PACIFIC (WHITING)	-	-	-	-	80,900	4,062
HERRING, SEA	-	-	20,200	3,813	-	-
JACK MACKEREL	-	-	-	-	4,800	296
LINGCOD	-	-	-	-	757,800	128,789
PERCH	-	-	-	-	135,800	24,171
POMPANO	-	-	-	-	100	7
ROCKFISHES	-	-	-	-	8,777,400	1,363,896
SABLEFISH	-	-	-	-	4,019,900	465,443
SALMON, CHINOOK OR KING	-	-	-	-	100	219
SHARKS:						
GRAYFISH	-	-	-	-	800	132
UNCLASSIFIED	-	-	-	-	13,100	3,193
SKATES	-	-	-	-	56,200	10,386
SMELT, SURF OR SILVER	792,200	98,993	-	-	-	-
TURBOT	-	-	-	-	6,500	1,804
UNCLASSIFIED	-	-	-	-	600	96
CRABS, DUNGENESS	-	-	-	-	33,300	16,401
SHRIMP, OCEAN	-	-	-	-	13,863,500	3,143,185
OCTOPUS	-	-	-	-	26,500	8,371
SQUID	-	-	-	-	1,000	119
TOTAL	792,200	98,993	20,200	3,813	47,522,800	8,648,223

SPECIES	POTS AND TRAPS		GILL NETS		LINES	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
CABEZON	-	-	-	-	400	75
FLOUNDERS:						
CALIFORNIA HALIBUT	-	-	-	-	300	495
"SOLE":						
ENGLISH	-	-	-	-	700	103
PETRALE	-	-	-	-	100	40
HERRING, SEA	-	-	25,100	4,736	-	-
LINGCOD	700	142	-	-	91,100	22,631
PERCH	-	-	-	-	9,300	2,824
ROCKFISHES	1,100	250	152,100	27,467	305,200	60,051
SABLEFISH	10,400	2,352	-	-	441,600	148,800
SALMON:						
CHINOOK OR KING	700	1,243	-	-	3,078,400	6,260,917
PINK	-	-	-	-	14,700	8,979
SILVER OR COHO	-	-	-	-	285,000	347,896
UNCLASSIFIED	-	-	-	-	1,600	1,748
SHARKS, UNCLASSIFIED	-	-	-	-	200	8
SMELT, SURF OR SILVER	-	-	-	-	1,500	265
TUNA, ALBACORE	-	-	-	-	2,031,200	1,170,298
CRABS:						
DUNGENESS	33,291,000	15,534,457	-	-	-	-
ROCK	600	424	-	-	-	-
OCTOPUS	1,000	306	-	-	-	-
SHELLFISH, UNCLASSIFIED	400	29	-	-	-	-
TOTAL	33,305,900	15,539,203	177,200	32,203	6,261,300	8,025,130

SPECIES	DIP NETS		BRAIL OR SCOOP NETS		DIVING OUTFITS		OTHER GEAR	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
PERCH	-	-	300	107	-	-	-	-
SMELT, SURF OR SILVER	-	-	11,700	2,174	-	-	-	-
CRABS, DUNGENESS	1,200	538	-	-	-	-	-	-
OYSTERS, MARKET, PACIFIC (1)	-	-	-	-	-	-	568,800	796,320
SEA URCHINS	-	-	-	-	355,500	35,544	-	-
TOTAL	1,200	538	12,000	2,281	355,500	35,544	568,800	796,320

(1) BASED ON A YIELD OF 15.5 PERCENT MEATS.

PACIFIC COAST FISHERIES

SAN FRANCISCO DISTRICT OF CALIFORNIA LANDINGS OF CATCH BY GEAR, 1977

SPECIES	HAUL SEINES, COMMON		PURSE SEINES AND LAMPARA NETS		OTTER TRAWLS	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ANCHOVIES	-	-	508,800	52,908	-	-
BLACKFISH	-	-	32,000	7,574	-	-
BONITO	-	-	100	7	-	-
CABEZON	-	-	-	-	300	38
CARP	800	548	-	-	-	-
CATFISH AND BULLHEADS	8,800	1,764	-	-	-	-
CROAKER, WHITE	-	-	-	-	12,600	3,180
FLOUNDERS:						
CALIFORNIA HALIBUT	-	-	-	-	24,500	16,872
SANDDABS	-	-	-	-	353,400	86,128
"SOLE":						
DOVER	-	-	-	-	4,092,300	662,077
ENGLISH	-	-	-	-	1,054,900	255,920
PETRALE	-	-	-	-	524,700	171,705
REX	-	-	-	-	308,400	72,679
SAND	-	-	-	-	176,700	51,201
UNCLASSIFIED	-	-	-	-	444,100	67,019
GRENADIER	-	-	-	-	3,700	267
HERRING, SEA	-	-	6,738,900	775,643	-	-
LINGCOD	-	-	-	-	451,600	76,489
PERCH	-	-	300	150	2,700	424
ROCKFISHES	-	-	-	-	2,076,200	371,074
SABLEFISH	-	-	-	-	822,400	90,464
SHARKS, UNCLASSIFIED	-	-	-	-	157,700	31,028
SKATES	-	-	-	-	21,400	3,914
SMELT, SURF OR SILVER	42,800	8,612	5,500	1,767	-	-
SUCKERS	39,100	8,827	-	-	-	-
TURBOT	-	-	-	-	5,900	1,627
UNCLASSIFIED	-	-	-	-	400	86
CRABS, DUNGENESS	-	-	-	-	1,300	701
SHRIMP, OCEAN	-	-	-	-	2,002,200	458,589
OCTOPUS	-	-	-	-	3,600	1,176
TOTAL	91,500	19,751	7,285,600	838,049	12,541,000	2,422,638

SPECIES	POTS AND TRAPS		GILL AND TRAMMEL NETS		LINES	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
CABEZON	-	-	1,200	187	300	140
CROAKER, WHITE	-	-	700	149	15,000	5,260
FLOUNDERS:						
CALIFORNIA HALIBUT	-	-	15,200	13,514	800	711
"SOLE", UNCLASSIFIED	-	-	22,100	4,472	1,900	468
HERRING, SEA	-	-	4,553,900	951,059	-	-
JACK MACKEREL	-	-	-	-	100	22
LINGCOD	-	-	11,400	2,385	28,400	7,737
PERCH	-	-	800	397	26,700	14,110
ROCKFISHES	2,600	815	1,000	252	245,300	87,542
SABLEFISH	339,400	101,483	-	-	203,400	62,585
SALMON:						
CHINOOK OR KING	-	-	-	-	1,735,100	3,572,878
SILVER OR COHO	-	-	-	-	9,400	13,762
UNCLASSIFIED	-	-	-	-	3,400	7,362
SEA BASS, WHITE	-	-	200	250	-	-
SHARKS, UNCLASSIFIED	-	-	32,100	7,566	4,400	900
SILVERSIDES	-	-	900	87	-	-
SKATES	-	-	-	-	1,000	143
TUNA, ALBACORE	-	-	-	-	1,722,300	988,348
CRABS:						
DUNGENESS	298,000	177,862	-	-	-	-
ROCK	200	54	-	-	-	-
CRAWFISH, FRESHWATER	577,100	261,181	-	-	-	-
SHELLFISH, UNCLASSIFIED	100	25	-	-	-	-
TOTAL	1,217,400	541,420	4,639,500	980,318	3,997,500	4,761,968

SPECIES	BRAIL OR SCOOP NETS		HARPOONS	
	POUNDS	DOLLARS	POUNDS	DOLLARS
SHARKS, GRAYFISH	-	-	500	81
SMELT, SURF OR SILVER	3,700	643	-	-
SWORDFISH	-	-	400	1,176
TOTAL	3,700	643	900	1,257

(CONTINUED ON NEXT PAGE)

**SAN FRANCISCO DISTRICT OF CALIFORNIA
LANDINGS OF CATCH BY GEAR, 1977 - Continued**

SPECIES	DIVING OUTFITS		BY HAND		OTHER GEAR	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ABALONE.....	19,500	114,686	-	-	-	-
CLAMS, UNCLASSIFIED (1).....	-	-	300	172	-	-
MUSSELS, SEA.....	-	-	3,300	2,401	1,000	897
OYSTERS, MARKET: (2)						
EASTERN.....	-	-	3,000	12,967	800	3,600
PACIFIC.....	-	-	275,600	385,840	-	-
SEA URCHINS.....	26,300	6,106	-	-	-	-
FROGS.....	-	-	4,800	6,629	-	-
TOTAL.....	45,800	120,792	287,000	408,009	1,800	4,497

(1) BASED ON A YIELD OF 25 PERCENT MEATS. (2) BASED ON A YIELD OF 10.9 PERCENT MEATS FOR EASTERN OYSTERS AND 15.5 PERCENT FOR PACIFIC OYSTERS.

**MONTEREY DISTRICT OF CALIFORNIA
LANDINGS OF CATCH BY GEAR, 1977**

SPECIES	HAUL SEINES, COMMON		PURSE SEINES AND LAMPARA NETS		OTTER TRAWLS	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ANCHOVIES.....	-	-	17,693,600	379,392	-	-
CROAKER, WHITE.....	-	-	87,900	7,621	4,000	500
FLOUNDERS:						
CALIFORNIA HALIBUT.....	-	-	-	-	1,200	927
SANDDABS.....	-	-	-	-	59,400	12,728
"SOLE":						
DOVER.....	-	-	-	-	2,721,400	443,400
ENGLISH.....	-	-	-	-	321,200	63,882
PETRALE.....	-	-	-	-	252,300	80,228
REX.....	-	-	-	-	91,000	17,193
SAND.....	-	-	-	-	2,700	710
UNCLASSIFIED.....	-	-	-	-	9,100	1,321
HAKE, PACIFIC (WHITING).....	-	-	-	-	1,200	23
HERRING, SEA.....	-	-	314,400	25,465	-	-
JACK MACKEREL.....	-	-	355,700	21,807	20,900	1,062
LINGCOD.....	-	-	-	-	149,100	25,438
MACKEREL, PACIFIC.....	-	-	4,900	242	-	-
POMPANO.....	-	-	18,800	17,188	100	70
ROCKFISHES.....	-	-	-	-	4,064,200	669,680
SABLEFISH.....	-	-	-	-	621,100	50,317
SALMON, CHINOOK OR KING.....	-	-	-	-	200	304
SHARKS:						
GRAYFISH.....	-	-	-	-	5,400	798
UNCLASSIFIED.....	-	-	300	30	55,600	7,227
SKATES.....	-	-	-	-	47,100	5,096
SMELT, SURF OR SILVER.....	28,000	1,411	-	-	-	-
TURBOT.....	-	-	200	63	-	-
SQUID.....	-	-	4,177,300	429,839	-	-
TOTAL.....	28,000	1,411	22,653,100	881,647	8,427,200	1,380,904

SPECIES	POTS AND TRAPS		GILL AND TRAMMEL NETS		LINES	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BONITO.....	-	-	100	27	200	47
CABEZON.....	-	-	2,400	409	900	132
CROAKER, WHITE.....	-	-	82,000	16,298	10,400	2,359
EELS:						
COMMON.....	-	-	-	-	100	10
MORAY.....	-	-	-	-	100	12
FLOUNDERS:						
CALIFORNIA HALIBUT.....	-	-	11,800	12,634	1,900	1,896
SANDDABS.....	-	-	-	-	14,800	5,095
"SOLE":						
PETRALE.....	100	17	-	-	400	140
SAND.....	-	-	-	-	400	125
UNCLASSIFIED.....	-	-	56,300	16,591	4,400	1,174
HERRING, SEA.....	-	-	100	10	-	-
JACK MACKEREL.....	-	-	100	39	1,800	127
LINGCOD.....	300	73	5,900	1,507	19,700	5,462
MACKEREL, PACIFIC.....	-	-	-	-	100	14
POMPANO.....	-	-	12,800	11,853	800	629
ROCKFISHES.....	36,100	10,510	949,700	169,317	373,000	121,426
SABLEFISH.....	4,348,000	601,171	1,100	90	38,200	6,384

(CONTINUED ON NEXT PAGE)

PACIFIC COAST FISHERIES

MONTEREY DISTRICT OF CALIFORNIA LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	POTS AND TRAPS		GILL AND TRAMMEL NETS		LINES	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
SALMON:						
CHINOOK OR KING	-	-	-	-	597,300	1,210,807
SILVER OR COHO	-	-	-	-	3,400	5,103
UNCLASSIFIED	-	-	-	-	1,700	3,942
SEA BASS, WHITE	-	-	9,900	11,558	600	806
SHARKS, UNCLASSIFIED	-	-	28,500	4,194	3,400	548
SKATES	-	-	18,100	976	12,800	657
SMELT, SURF OR SILVER	-	-	2,300	347	-	-
TUNA:						
ALBACORE	-	-	-	-	4,020,400	2,318,722
SKIPJACK	-	-	-	-	1,600	586
CRABS, DUNGENESS	8,000	5,644	-	-	-	-
CRAWFISH, FRESHWATER	17,800	30,796	-	-	-	-
SHRIMP:						
OCEAN	2,100	6,520	-	-	-	-
UNCLASSIFIED	13,500	37,940	-	-	-	-
OCTOPUS	1,800	892	-	-	100	32
SQUID	8,900	930	-	-	900	133
TOTAL	4,436,600	694,493	1,181,100	245,850	5,109,400	3,686,146

SPECIES	BRAIL OR SCOOP NETS		HARPOONS		DIVING OUTFITS	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
SMELT, SURF OR SILVER	19,900	3,973	-	-	-	-
SWORDFISH	-	-	400	1,131	-	-
SQUID	281,900	31,360	-	-	-	-
SEA URCHINS	-	-	-	-	4,200	331
TOTAL	301,800	35,333	400	1,131	4,200	331

SANTA BARBARA DISTRICT OF CALIFORNIA LANDINGS OF CATCH BY GEAR, 1977

SPECIES	HAUL SEINES, COMMON		PURSE SEINES AND LAMPARA NETS		OTTER TRAWLS	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ANCHOVIES	8,000	430	29,554,600	630,476	-	-
CABEZON	-	-	-	-	2,700	271
CROAKER, WHITE	-	-	1,800	507	1,700	173
FLOUNDERS:						
CALIFORNIA HALIBUT	-	-	-	-	75,200	76,852
SANDDABS	-	-	-	-	2,200	515
"SOLE":						
DOVER	-	-	-	-	146,300	20,117
ENGLISH	-	-	-	-	474,600	104,124
PETRALE	-	-	-	-	488,400	152,213
REX	-	-	-	-	70,300	15,557
SAND	-	-	-	-	10,500	2,946
UNCLASSIFIED	-	-	-	-	43,600	7,587
HAKE, PACIFIC (WHITING)	-	-	-	-	4,500	815
JACK MACKEREL	-	-	11,252,000	531,473	-	-
LINGCOD	-	-	-	-	162,900	28,112
MACKEREL, PACIFIC	-	-	72,500	3,890	-	-
PERCH	-	-	200	62	9,400	4,398
POMPANO	-	-	11,800	4,751	900	512
ROCKFISHES	-	-	-	-	4,775,100	780,357
SABLEFISH	-	-	-	-	153,500	14,916
SEA BASS, WHITE	-	-	-	-	300	284
SHARKS:						
GRAYFISH	-	-	-	-	167,500	8,423
UNCLASSIFIED	-	-	-	-	21,000	6,331
SKATES	-	-	-	-	4,400	855
TUNA:						
ALBACORE	-	-	200	150	-	-
BLUEFIN	-	-	100	37	-	-
TURBOT	-	-	-	-	7,200	947
UNCLASSIFIED	-	-	-	-	100	10
CRABS:						
DUNGENESS	-	-	-	-	2,000	1,941
ROCK	-	-	-	-	300	101
UNCLASSIFIED	-	-	-	-	200	50
SHRIMP:						
OCEAN	-	-	-	-	3,600	954
UNCLASSIFIED	-	-	-	-	43,300	61,012
OCTOPUS	-	-	-	-	1,200	293
SQUID	-	-	5,168,400	181,250	5,400	457
TOTAL	8,000	430	46,061,600	1,352,596	6,678,300	1,291,123

(CONTINUED ON NEXT PAGE)

SANTA BARBARA DISTRICT OF CALIFORNIA LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES	POTS AND TRAPS		GILL AND TRAMMEL NETS		LINES	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BARRACUDA.....	-	-	3,000	1,392	2,000	1,102
BONITO.....	-	-	7,500	1,265	200	39
CABEZON.....	100	12	1,300	171	2,300	298
CROAKER, WHITE.....	-	-	4,500	608	153,600	47,786
DOLPHINFISH.....	-	-	-	-	300	157
FLOUNDERS:						
CALIFORNIA HALIBUT.....	-	-	210,900	218,445	10,000	10,672
"SOLE":						
PETRALE.....	-	-	-	-	100	25
SAND.....	-	-	100	19	100	39
UNCLASSIFIED.....	-	-	1,300	261	4,000	785
HAKE, PACIFIC (WHITING).....	-	-	-	-	200	19
JACK MACKEREL.....	-	-	100	28	2,300	532
LINGCOD.....	500	105	1,300	261	11,900	2,796
MACKEREL, PACIFIC.....	-	-	5,800	289	6,300	2,080
PERCH.....	-	-	-	-	4,100	2,016
POMPANO.....	-	-	-	-	500	273
ROCKFISHES.....	500	145	14,300	3,556	769,700	239,514
SABLEFISH.....	694,800	92,342	100	31	200	29
SALMON:						
CHINOOK OR KING.....	-	-	-	-	194,000	436,309
SILVER OR COHO.....	-	-	-	-	400	684
UNCLASSIFIED.....	-	-	-	-	2,200	5,320
SEA BASS:						
BLACK.....	-	-	100	47	1,000	466
WHITE.....	200	173	46,100	42,592	3,000	2,828
SHARKS:						
GRAYFISH.....	-	-	89,800	4,425	1,900	97
UNCLASSIFIED.....	400	101	183,600	57,914	9,800	2,583
SHEEPHEAD.....	-	-	1,200	212	100	19
SKATES.....	-	-	-	-	1,400	215
SWORDFISH.....	-	-	100	76	15,900	39,883
TUNA:						
ALBACORE.....	-	-	-	-	1,083,800	627,625
BLUEFIN.....	-	-	-	-	100	23
SKIPJACK.....	-	-	-	-	900	262
WHITEFISH, OCEAN.....	-	-	-	-	300	51
YELLOWTAIL.....	-	-	-	-	400	86
UNCLASSIFIED.....	-	-	-	-	100	38
CRABS:						
DUNGENESS.....	12,900	11,721	-	-	-	-
ROCK.....	484,700	116,278	7,800	1,618	-	-
LOBSTERS, SPINY.....	48,800	115,994	-	-	-	-
SQUID.....	-	-	-	-	600	151
SHELLFISH, UNCLASSIFIED.....	100	44	-	-	-	-
TOTAL.....	1,243,000	336,915	578,900	333,210	2,283,700	1,424,802

SPECIES	DIP NETS		BRAIL OR SCOOP NETS		HARPOONS	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
SHARKS, UNCLASSIFIED.....	200	39	-	-	200	81
SWORDFISH.....	-	-	-	-	56,400	133,934
SQUID.....	-	-	191,300	9,957	-	-
TOTAL.....	200	39	191,300	9,957	56,600	134,015

SPECIES	DIVING OUTFITS		OTHER GEAR	
	POUNDS	DOLLARS	POUNDS	DOLLARS
ABALONE.....	180,100	820,909	-	-
OYSTERS, MARKET, PACIFIC (1)....	-	-	82,100	117,157
SEA URCHINS.....	13,065,900	1,290,245	-	-
TOTAL.....	13,246,000	2,111,154	82,100	117,157

(1) BASED ON A YIELD OF 15.5 PERCENT MEATS FOR PACIFIC OYSTERS.

PACIFIC COAST FISHERIES

SAN PEDRO DISTRICT OF CALIFORNIA LANDINGS OF CATCH BY GEAR, 1977

SPECIES	PURSE SEINES AND LAMPARA NETS		OTTER TRAWLS		POTS AND TRAPS	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ANCHOVIES.....	175,187.100	3,888,348	-	-	-	-
BONITO.....	18,477.900	3,179,152	-	-	200	50
CROAKER, WHITE.....	128,100	9,431	-	-	100	16
FLOUNDERS, CALIFORNIA						
HALIBUT.....	500	429	-	-	600	600
HALFMOON.....	7,000	1,840	-	-	-	-
JACK MACKEREL.....	93,321.900	4,514,985	-	-	-	-
MACKEREL, PACIFIC.....	7,205.700	328,751	-	-	100	20
OPALEYE.....	-	-	-	-	100	37
PERCH.....	4,800	927	1,000	478	1,200	658
POMPANO.....	8,000	3,135	-	-	-	-
ROCKFISHES.....	800	8	20,800	6,444	200	44
SABLEFISH.....	-	-	-	-	1,613,300	206,636
SARDINE, PACIFIC.....	3,800	191	-	-	-	-
SEA BASS:						
BLACK.....	300	135	-	-	-	-
WHITE.....	40,400	29,782	-	-	100	61
SHARKS:						
GRAYFISH.....	100,800	4,873	-	-	-	-
UNCLASSIFIED.....	21,200	5,546	35,400	11,321	400	233
SMELT, SURF OR SILVER.....	11,100	1,522	-	-	-	-
TUNA:						
ALBACORE.....	40,500	24,589	-	-	-	-
BIGEYE.....	1,242,400	482,098	-	-	-	-
BLUEFIN.....	4,733,400	1,958,027	-	-	-	-
SKIPJACK.....	42,481,300	14,461,735	-	-	-	-
YELLOWFIN.....	115,305,500	44,572,116	-	-	-	-
WAHOO.....	3,900	1,956	-	-	-	-
YELLOWTAIL.....	1,513,100	298,536	-	-	-	-
UNCLASSIFIED.....	18,100	1,962	-	-	-	-
CRABS:						
ROCK.....	-	-	-	-	508,500	171,716
UNCLASSIFIED.....	-	-	-	-	2,300	557
LOBSTERS, SPINY.....	-	-	-	-	88,800	219,256
OCTOPUS.....	-	-	-	-	100	51
SQUID.....	10,992,500	533,644	-	-	-	-
SHELLFISH, UNCLASSIFIED.....	-	-	-	-	15,800	3,162
TOTAL.....	468,850,100	74,399,516	57,200	18,241	2,231,800	602,296

SPECIES	GILL AND TRAMMEL NETS		LINES		DIP NETS, COMMON	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BARRACUDA.....	61,600	29,663	4,700	2,388	-	-
BONITO.....	96,000	16,632	377,100	74,457	-	-
CABEZON.....	100	24	-	-	-	-
CROAKER, WHITE.....	70,900	14,998	7,700	1,681	-	-
DOLPHINFISH.....	-	-	100	38	-	-
FLOUNDERS:						
CALIFORNIA HALIBUT.....	73,400	70,737	100	81	-	-
SANDDABS.....	-	-	200	69	-	-
"SOLE", UNCLASSIFIED.....	700	225	-	-	-	-
FLYING FISH.....	83,900	26,863	-	-	-	-
GROUPERS.....	-	-	5,800	1,442	-	-
HALFMOON.....	22,000	8,522	2,500	1,018	-	-
JACK MACKEREL.....	200	34	800	101	-	-
LINGCOD.....	100	51	1,000	288	-	-
MACKEREL, PACIFIC.....	6,100	1,101	3,400	278	-	-
MULLET, BLACK (LISA).....	3,800	1,171	-	-	-	-
OPALEYE.....	800	373	200	86	-	-
PERCH.....	4,300	1,580	4,100	1,500	-	-
POMPANO.....	700	441	-	-	-	-
ROCKFISHES.....	47,500	12,542	410,300	149,496	-	-
SABLEFISH.....	900	209	200	56	-	-
SALMON:						
CHINOOK OR KING.....	-	-	600	1,767	-	-
UNCLASSIFIED.....	-	-	300	855	-	-
SCULPIN.....	200	57	2,200	1,273	-	-
SEA BASS:						
BLACK.....	30,200	13,228	300	256	-	-
WHITE.....	532,500	391,282	1,700	1,780	-	-
SHARKS:						
GRAYFISH.....	8,100	1,967	9,300	3,881	-	-
UNCLASSIFIED.....	160,800	54,082	83,500	13,357	-	-
SHEEPHEAD.....	3,700	1,024	300	66	-	-
SKATES.....	300	53	-	-	-	-
SMELT, SURF OR SILVER.....	900	179	-	-	-	-
SWORDFISH.....	2,800	6,746	70,800	173,723	-	-

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**SAN PEDRO DISTRICT OF CALIFORNIA
LANDINGS OF CATCH BY GEAR, 1977 - Continued**

SPECIES	GILL AND TRAMMEL NETS		LINES		DIP NETS, COMMON	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
TUNA:						
ALBACORE.....	2,200	1,303	1,846,400	1,081,659	-	-
BLUEFIN.....	400	290	200	54	-	-
SKIPJACK.....	-	-	4,028,500	1,406,532	-	-
YELLOWFIN.....	7,800	5,862	1,413,200	534,993	-	-
WAHOO.....	-	-	200	217	-	-
WHITEFISH, OCEAN.....	100	13	-	-	-	-
YELLOWTAIL.....	152,700	43,496	3,300	1,906	-	-
UNCLASSIFIED.....	100	92	-	-	-	-
CRABS, ROCK.....	1,700	389	-	-	-	-
SQUID.....	33,900	1,440	-	-	6,428,300	254,729
TOTAL.....	1,411,400	706,669	8,279,000	3,455,298	6,428,300	254,729

SPECIES	BRAIL OR SCOOP NETS		HARPOONS	
	POUNDS	DOLLARS	POUNDS	DOLLARS
SHARKS, UNCLASSIFIED.....	-	-	8,600	3,147
SWORDFISH.....	-	-	236,400	577,201
SQUID.....	932,400	34,732	-	-
TOTAL.....	932,400	34,732	245,000	580,348

SPECIES	DIVING OUTFITS		BY HAND		OTHER GEAR	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
SWORDFISH.....	-	-	-	-	500	1,466
UNCLASSIFIED.....	300	14	-	-	-	-
ABALONE.....	51,500	264,609	-	-	-	-
CLAMS, UNCLASSIFIED (1).....	-	-	900	261	100	22
SEA URCHINS.....	1,668,700	170,120	-	-	-	-
TOTAL.....	1,720,500	434,743	900	261	600	1,488

(1) BASED ON A YIELD OF 25 PERCENT MEATS.

**SAN DIEGO DISTRICT OF CALIFORNIA
LANDINGS OF CATCH BY GEAR, 1977**

SPECIES	PURSE SEINES		OTTER TRAWLS		POTS AND TRAPS	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ANCHOVIES.....	1,200	427	-	-	-	-
BONITO.....	5,004,900	973,925	-	-	700	199
CROAKER, WHITE.....	100	31	-	-	-	-
FLOUNDERS, SANDDABS.....	-	-	100	70	-	-
HALFMOON.....	8,600	3,355	-	-	-	-
JACK MACKEREL.....	4,100	955	-	-	-	-
LINGCOD.....	-	-	700	177	-	-
PERCH.....	-	-	20,600	7,782	2,200	866
ROCKFISHES.....	-	-	557,100	182,446	500	198
SARDINE, PACIFIC.....	800	389	-	-	-	-
SCULPIN.....	-	-	-	-	100	26
SEA BASS, WHITE.....	-	-	-	-	200	163
SHARKS.....	-	-	2,700	870	-	-
SMELT, SURF OR SILVER.....	300	63	-	-	-	-
TUNA:						
ALBACORE.....	19,700	11,425	-	-	-	-
BIGEYE.....	2,097,000	855,707	-	-	-	-
BLUEFIN.....	2,177,400	844,707	-	-	-	-
SKIPJACK.....	28,396,000	9,989,195	-	-	-	-
YELLOWFIN.....	76,162,600	29,671,032	-	-	-	-
WAHOO.....	2,400	975	-	-	-	-
CRABS, ROCK.....	-	-	-	-	75,900	24,536
LOBSTERS, SPINY.....	-	-	-	-	114,000	271,445
SQUID.....	19,700	1,652	-	-	-	-
SHELLFISH, UNCLASSIFIED.....	-	-	-	-	300	75
TOTAL.....	113,894,800	42,353,838	581,200	191,345	193,900	297,508

(CONTINUED ON NEXT PAGE)

PACIFIC COAST FISHERIES

SAN DIEGO DISTRICT OF CALIFORNIA LANDINGS OF CATCH BY GEAR, 1977

SPECIES	GILL NETS		LINES		HARPOONS	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BARRACUDA.....	5,300	2,450	500	224	-	-
BONITO.....	7,200	1,428	575,700	111,008	-	-
CROAKER, WHITE.....	4,500	1,754	2,800	881	-	-
DOLPHINFISH.....	-	-	10,100	2,752	-	-
FLOUNDERS:						
CALIFORNIA HALIBUT.....	38,900	33,493	2,800	2,122	-	-
SANDDABS.....	-	-	100	47	-	-
"SOLE":						
ENGLISH.....	100	20	-	-	-	-
UNCLASSIFIED.....	800	292	-	-	-	-
FLYING FISH.....	100	45	-	-	-	-
GROUPERS.....	-	-	2,100	1,159	-	-
HALFMOON.....	500	198	200	47	-	-
JACK MACKEREL.....	-	-	7,400	2,294	-	-
MACKEREL, PACIFIC.....	600	179	5,300	1,423	-	-
MULLET, BLACK (LISA).....	3,000	1,213	-	-	-	-
OPALEYE.....	600	266	-	-	-	-
PERCH.....	400	108	2,200	907	-	-
POMPANO.....	1,100	552	300	131	-	-
ROCKFISHES.....	44,400	14,300	390,400	137,215	-	-
SABLEFISH.....	3,400	484	4,200	847	-	-
SCULPIN.....	400	185	113,800	51,070	-	-
SEA BASS:						
BLACK.....	15,800	8,128	1,800	728	-	-
WHITE.....	544,000	386,737	20,800	17,843	-	-
SHARKS:						
GRAYFISH.....	100	28	-	-	-	-
UNCLASSIFIED.....	174,100	58,436	2,400	1,042	100	39
SHEEPHEAD.....	900	231	100	16	-	-
SMELT, SURF OR SILVER.....	-	-	200	41	-	-
SWORDFISH.....	300	547	8,100	23,480	119,300	309,461
TUNA:						
ALBACORE.....	-	-	5,137,400	2,958,994	-	-
BIGEYE.....	-	-	700	275	-	-
BLUEFIN.....	-	-	28,500	11,230	-	-
SKIPJACK.....	-	-	7,547,800	2,881,856	-	-
YELLOWFIN.....	-	-	2,706,900	1,047,962	-	-
WAHOO.....	-	-	5,900	2,607	-	-
WHITEFISH, OCEAN.....	-	-	1,200	344	-	-
YELLOWTAIL.....	117,800	28,911	27,400	8,099	-	-
UNCLASSIFIED.....	100	10	-	-	-	-
CRABS, ROCK.....	1,400	450	1,800	638	-	-
OCTOPUS.....	200	44	-	-	-	-
SQUID.....	-	-	1,400	254	-	-
TOTAL.....*	966,000	540,485	16,809,700	7,087,338	119,400	309,500

SPECIES	DIVING OUTFITS		OTHER GEAR	
	POUNDS	DOLLARS	POUNDS	DOLLARS
SWORDFISH.....	-	-	100	357
ABALONE.....	35,900	187,763	-	-
SEA URCHINS.....	1,415,700	126,788	-	-
TOTAL.....	1,451,600	314,551	100	357

SECTION 8

GREAT LAKES FISHERIES

United States and Canadian commercial fishermen, operating in the five Great Lakes and in three of the five International Lakes of northern Minnesota and Canada, landed 122.0 million pounds of freshwater fish—an increase of 16.9 million pounds compared with 1976. The harvest from the International Lakes increased over 900,000 pounds, with the catch by United States fishermen increasing 238,000 pounds.

Canada produced 49.0 million pounds of fish—10.4 million pounds more than in 1976. This catch constituted 40 percent of the total production from both countries. As in previous years smelt and yellow perch dominated the Canadian catch, accounting for 68 percent of the total landings.

The U.S. landings of 73.0 million pounds valued at \$10.3 million increased 6.5 million pounds but declined \$477,000 compared with 1976. U.S. fishermen averaged 14.1 cents per pound compared to 16.2 cents per pound in 1976. Landings of alewives taken only in Lake Michigan, were 48.4 million pounds—an increase of 9.2 million pounds compared with 1976. Increases in other species were catfish 67,000 pounds; goldfish, 417,000; tullibee, 215,000; yellow perch, 1.0 million; and yellow pike, 72,000 pounds. Most remaining species declined in landings in 1977. U.S. landings in Lake Michigan were 55.5 million pounds; followed by Lake Erie, 9.7 million; Lake Superior, 4.5 million; Lake Huron, 2.1 million; International Lakes, 1.1 million; and Lake Ontario, 207,000 pounds. Wisconsin with 48.6 million pounds led in volume of landings followed by Michigan, 11.6 million; Ohio, 8.5 million; Minnesota, 3.0 million; New York, 478,000; Pennsylvania, 407,000; Illinois, 222,000; and Indiana, 163,000 pounds.

Fishermen and vessels. There were 1,189 commercial fishermen operating 217 vessels (5 net tons or more) and 501 small craft in the U.S. commercial fisheries of the Great Lakes and International Lakes. Compared with 1976 this represented increases of 109 fishermen, 23 vessels, and 19 smaller craft.

U.S. Landings by Lake.

Lake Ontario. The 1977 production of 207,000 pounds valued at \$75,800—12,800 pounds more but \$15,700 less than in 1976. Landings of bullheads, rock bass, smelt, sunfish, and white and yellow perch were 197,600 pounds—96 percent of the catch. Compared with 1976, bullheads increased 145 percent; rock bass, 68 percent; sunfish, 34 percent; smelt, 7 percent; and white perch increased 51 percent, while yellow perch declined 7 percent. The average price per pound for all species in 1977 was 37 cents, compared with 47 cents in 1976.

Lake Erie. Commercial fishermen landed 9.7 million pounds valued at \$2.8 million—an increase of 628,900 pounds and \$82,900 compared with 1976. Landings of yellow perch increased 983,700 pounds and goldfish 417,000 pounds. Landings declined for most of the other major species.

Lake Huron. Landings were 2.1 million pounds valued at \$732,200 in 1977—a decrease of 90,900 pounds in volume and \$39,000 in value. Carp and catfish landings showed a slight increase but were offset by declines in landings of other species.

Lake Michigan. Landings were 55.5 million pounds, valued at \$4.8 million—an increase of 7.1 million pounds, but the value declined by \$220,500 compared with 1976. Alewife production of 48.4 million pounds accounted for 87 percent of the landings. Landings of alewives increased 9.2 million pounds (26 percent); burbot, 77,300 (48 percent); and yellow perch increased 116,100 pounds (14 percent), while the remaining major species declined. The average price per pound for all species was 9 cents compared with 11 cents in 1976. Alewives, a low-valued species used primarily for animal feed, holds down the overall average price. Combined landings of chubs, whitefish (common), and yellow perch (4.9 million pounds) represented 9 percent of the total harvest for the lake but their combined value (\$3.9 million) represented 81 percent of the total.

GREAT LAKES FISHERIES

Lake Superior. Landings were 4.5 million pounds valued at \$1.5 million—a decline of 1.4 million pounds (23 percent) in volume, and \$320,300 (17 percent) in value compared with 1976. Smelt landings were 2.0 million pounds (44 percent of the catch) compared to the record landings of 3.1 million pounds (53 percent) in the previous year. With the exception of burbot, lake trout, and menominee whitefish, most major species declined. Lake herring continued to decline, from 447,000 pounds in 1976 to 322,000 pounds in 1977. The average price for all species was 34 cents in 1977 compared to 31 cents in 1976.

International Lakes. In 1977, Lake of the Woods provided 94 percent of the total landings (1.0 million pounds). Pike or pickerel, suckers, tullibees, and yellow pike (walleye) accounted for 1.0 million pounds or 92 percent of the catch in the International Lakes. The average price was 26 cents compared to 14 cents in the Great Lakes.

Acknowledgments. The following organizations assisted in collecting the data appearing in this section: Ministry of Natural Resources of Canada; Illinois Department of Conservation, Division of Fisheries; Indiana Department of Natural Resources, Fisheries Division, Great Lakes Fisheries; Minnesota Department of Natural Resources, Division of Fish and Game, Section of Fisheries; New York State Department of Environmental Conservation, Great Lakes Fisheries Station; Ohio Department of Natural Resources, Division of Wildlife, Section of Fish Management; Pennsylvania Fish Commission; Wisconsin Department of Natural Resources, Fish Management Division; and the U. S. Department of the Interior, Fish and Wildlife Service, Great Lakes Fishery Laboratory, Ann Arbor, Michigan.

SUMMARY OF UNITED STATES AND CANADIAN LANDINGS, 1977

SPECIES	LAKE ONTARIO			LAKE ERIE		
	UNITED STATES	CANADA	TOTAL	UNITED STATES	CANADA	TOTAL
THOUSAND POUNDS						
BOWFIN	-	4	4	-	37	37
BUFFALOFISH	-	-	-	75	-	75
BULLHEADS	46	400	446	72	98	170
BURBOT	-	(1)	(1)	-	-	-
CARP	2	238	240	3,108	93	3,201
CATFISH	2	7	9	308	55	363
CRAPPIE	3	7	10	-	1	1
EELS, COMMON	-	414	414	-	(1)	(1)
GIZZARD SHAD	-	2	2	504	-	504
GOLDFISH	-	-	-	551	-	551
LAKE HERRING	-	12	12	(1)	-	(1)
LAKE TROUT	-	1	1	(1)	(1)	(1)
MINNOWS	-	-	-	12	-	12
PIKE OR PICKEREL	-	15	15	-	70	70
QUILLBACK	-	-	-	102	-	102
ROCK BASS	12	59	71	(1)	41	41
SALMON, SILVER OR COHO	-	(1)	(1)	-	2	2
SAUGER	-	(1)	(1)	-	(1)	(1)
SHEEPSHEAD	-	5	5	833	400	1,233
SMELT	13	51	64	3	22,994	22,997
STURGEON, COMMON	-	4	4	-	5	5
SUCKERS	2	12	14	53	19	72
SUNFISH	9	171	180	-	72	72
WHITE BASS	(1)	14	14	1,122	986	2,108
WHITEFISH:						
COMMON	-	9	9	(1)	5	5
MENOMINEE	-	1	1	-	-	-
WHITE PERCH	68	425	493	-	-	-
YELLOW PERCH	49	584	633	2,869	8,510	11,379
YELLOW PIKE (WALLEYE)	1	3	4	70	529	599
UNCLASSIFIED	-	23	23	-	1,937	1,937
TOTAL	207	2,461	2,668	9,682	35,854	45,536

SPECIES	LAKE HURON			LAKE MICHIGAN, UNITED STATES	LAKE SUPERIOR		
	UNITED STATES	CANADA	TOTAL		UNITED STATES	CANADA	TOTAL
THOUSAND POUNDS							
ALEWIVES	-	-	-	48,405	-	-	-
BOWFIN	2	(1)	2	-	-	-	-
BROWN TROUT	-	-	-	(1)	-	-	-
BULLHEADS	21	4	25	118	-	-	-
BURBOT	-	4	4	238	74	64	138
CARP	787	45	832	527	-	1	1
CATFISH	400	68	468	1	-	-	-
CHUBS	-	472	472	371	993	765	1,758
CRAPPIE	26	-	26	-	-	-	-
EELS, COMMON	-	(1)	(1)	-	-	-	-
GIZZARD SHAD	3	6	9	-	-	-	-
LAKE HERRING	(1)	52	52	1	322	1,762	2,084
LAKE TROUT	-	9	9	(1)	356	203	559
PIKE OR PICKEREL	-	33	33	16	-	5	5
QUILLBACK	9	-	9	-	-	-	-
ROCK BASS	(1)	9	9	-	-	(1)	(1)
SALMON, SILVER OR COHO	-	1	1	1	-	2	2
SAUGER	-	2	2	-	-	(1)	(1)
SHEEPSHEAD	8	2	10	1	-	(1)	(1)
SMELT	-	17	17	854	2,000	478	2,478
SPLAKE	-	29	29	-	-	-	-
STURGEON, COMMON	-	9	9	-	-	(1)	(1)
SUCKERS	106	227	333	271	28	142	170
WHITE BASS	(1)	5	5	2	-	2	2
WHITEFISH:							
COMMON	443	1,593	2,036	3,590	700	243	943
MENOMINEE	8	53	61	97	32	34	66
YELLOW PERCH	256	431	687	969	-	146	146
YELLOW PIKE (WALLEYE)	-	408	408	11	-	4	4
UNCLASSIFIED	-	407	407	-	-	12	12
TOTAL	2,069	3,886	5,955	55,473	4,505	3,863	8,368

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

GREAT LAKES FISHERIES

SUMMARY OF UNITED STATES AND CANADIAN LANDINGS, 1977 - Continued

SPECIES	TOTAL, GREAT LAKES			LAKE OF THE WOODS		
	UNITED STATES	CANADA	TOTAL	UNITED STATES	CANADA	TOTAL
THOUSAND POUNDS						
ALEWIVES.....	48,405	-	48,405	-	-	-
BOWFIN.....	2	41	43	-	-	-
BROWN TROUT.....	(1)	-	(1)	-	-	-
BUFFALOFISH.....	75	-	75	-	-	-
BULLHEADS.....	257	502	759	(1)	5	5
BURBOT.....	312	68	380	30	209	239
CARP.....	4,424	377	4,801	-	-	-
CATFISH.....	711	130	841	-	-	-
CHUBS.....	1,364	1,237	2,601	-	-	-
CRAPPIE.....	29	8	37	-	9	9
EELS, COMMON.....	-	414	414	-	-	-
GIZZARD SHAD.....	507	8	515	-	9	-
GOLDFISH.....	551	-	551	-	-	-
LAKE HERRING.....	323	1,826	2,149	-	89	89
LAKE TROUT.....	356	213	569	-	2	2
MINNOWS.....	12	-	12	-	-	-
PIKE OR PICKEREL.....	16	123	139	98	387	485
QUILLBACK.....	111	-	111	-	-	-
ROCK BASS.....	12	109	121	-	43	43
SALMON, SILVER OR COHO.....	1	5	6	-	-	-
SAUGER.....	-	2	2	26	19	45
SHEEPSHEAD.....	842	407	1,249	-	-	-
SMELT.....	2,870	23,540	26,410	-	-	-
SPLAKE.....	-	29	29	-	-	-
STURGEON, COMMON.....	-	18	18	-	2	2
SUCKERS.....	460	400	860	253	616	869
SUNFISH.....	9	243	252	-	-	-
TULLIBEES.....	-	-	-	400	-	400
WHITE BASS.....	1,124	1,007	2,131	-	-	-
WHITEFISH:						
COMMON.....	4,733	1,850	6,583	(1)	42	42
MENOMINEE.....	137	88	225	-	-	-
WHITE PERCH.....	68	425	493	-	-	-
YELLOW PERCH.....	4,143	9,671	13,814	7	10	17
YELLOW PIKE (WALLEYE).....	82	944	1,026	226	875	1,101
UNCLASSIFIED.....	-	2,379	2,379	-	98	98
TOTAL.....	71,936	46,064	118,000	1,040	2,406	3,446

SPECIES	NAMAKAN LAKE			RAINY LAKE		
	UNITED STATES	CANADA	TOTAL	UNITED STATES	CANADA	TOTAL
THOUSAND POUNDS						
BURBOT.....	-	4	4	-	43	43
CRAPPIE.....	-	-	-	-	8	8
PIKE OR PICKEREL.....	-	-	-	10	73	83
ROCK BASS.....	-	(1)	(1)	-	1	1
SAUGER.....	-	-	-	(1)	(1)	(1)
STURGEON, COMMON.....	-	1	1	-	-	-
SUCKERS.....	-	5	5	-	218	218
TULLIBEE.....	(1)	3	3	-	30	30
WHITE BASS.....	-	-	-	-	(1)	(1)
WHITEFISH:						
COMMON.....	1	21	22	24	82	106
MENOMINEE.....	-	-	-	-	-	-
YELLOW PERCH.....	-	(1)	(1)	-	(1)	(1)
YELLOW PIKE (WALLEYE).....	-	-	-	26	35	61
UNCLASSIFIED.....	-	-	-	-	1	1
TOTAL.....	1	34	35	60	491	551

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SUMMARY OF UNITED STATES AND CANADIAN LANDINGS, 1977 - Continued

SPECIES	TOTAL, INTERNATIONAL LAKES			GRAND TOTAL ALL LAKES		
	UNITED STATES	CANADA	TOTAL	UNITED STATES	CANADA	TOTAL
	THOUSAND POUNDS					
ALEWIVES.....	-	-	-	48,405	-	48,405
BOWFIN.....	-	-	-	2	41	43
BROWN TROUT.....	-	-	-	(1)	-	(1)
BUFFALOFISH.....	-	-	-	75	-	75
BULLHEADS.....	(1)	5	5	257	507	764
BURBOT.....	30	256	286	342	324	666
CARP.....	-	-	-	4,424	377	4,801
CATFISH.....	-	-	-	711	130	841
CHUBB.....	-	-	-	1,364	1,237	2,601
CRAPPIE.....	-	17	17	29	25	54
EELS, COMMON.....	-	-	-	-	414	414
GIZZARD SHAD.....	-	-	-	507	8	515
GOLDFISH.....	-	-	-	551	-	551
LAKE HERRING.....	-	89	89	323	1,915	2,238
LAKE TROUT.....	-	2	2	356	215	571
MINNOWS.....	-	-	-	12	-	12
PIKE OR PICKEREL.....	108	480	588	124	583	707
QUILLBACK.....	-	-	-	111	-	111
ROCK BASS.....	-	44	44	12	153	165
SALMON, SILVER OR COHO.....	-	-	-	1	5	6
SAUGER.....	26	19	45	26	21	47
SHEEPSHEAD.....	-	-	-	842	407	1,249
SMELT.....	-	-	-	2,870	23,540	26,410
SPLAKE.....	-	-	-	-	29	29
STURGEON, COMMON.....	-	3	3	-	21	21
SUCKERS.....	253	839	1,092	713	1,239	1,952
SUNFISH.....	-	-	-	9	243	252
TULLIBEE.....	400	33	433	400	33	433
WHITE BASS.....	-	-	-	1,124	1,007	2,131
WHITEFISH:						
COMMON.....	25	145	170	4,758	1,995	6,753
MENOMINEE.....	-	-	-	137	88	225
WHITE PERCH.....	-	-	-	88	425	483
YELLOW PERCH.....	7	10	17	4,150	9,881	13,831
YELLOW PIKE (WALLEYE).....	252	910	1,162	334	1,854	2,188
UNCLASSIFIED.....	-	99	99	-	2,478	2,478
TOTAL.....	1,101	2,931	4,032	73,037	48,995	122,032

(1) LESS THAN 500 POUNDS

SUMMARY OF U.S. LANDINGS, 1977

STATE	TOTAL	
	THOUSAND POUNDS	THOUSAND DOLLARS
NEW YORK.....	478	211
PENNSYLVANIA.....	407	246
OHIO.....	8,533	2,371
MICHIGAN.....	11,578	3,233
INDIANA.....	163	108
ILLINOIS.....	222	177
WISCONSIN.....	48,645	14,478
MINNESOTA.....	3,013	450
TOTAL.....	73,037	10,272

GREAT LAKES FISHERIES

SECTIONAL SUMMARIES SUMMARY OF U.S. OPERATING UNITS, BY LAKES, 1977

ITEM	LAKE ONTARIO	LAKE ERIE	LAKE HURON	LAKE MICHIGAN	LAKE SUPERIOR	INTER-NATIONAL LAKES	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER						
FISHERMEN:							
ON VESSELS:							
FULL-TIME	2	86	20	242	95	-	439
PART-TIME	1	9	-	41	28	-	79
ON BOATS AND SHORE:							
FULL-TIME	-	22	20	63	34	-	79
PART-TIME	28	197	71	268	97	39	592
TOTAL FISHERMEN	31	314	111	614	254	39	1,189
VESSELS, MOTOR							
GROSS TONNAGE	10	581	95	2,607	1,075	-	4,303
BOATS:							
MOTOR	24	132	49	215	84	27	446
OTHER	-	45	8	1	1	-	55
GEAR:							
HAUL NETS	-	74	14	4	1	-	93
OTTER TRAWLS	1	-	-	10	2	-	13
POUND NETS	-	-	6	120	76	10	202
TRAP NETS	93	241	217	207	51	2	809
FYKE AND HOOP NETS	41	1	-	310	-	-	354
GILL NETS:							
1¼—2 INCH MESH	6	-	-	72	44	-	122
2½—3¾ INCH MESH	19	327	-	617	522	-	1,485
4—7 INCH MESH	-	60	-	329	260	60	647
7½—14 INCH MESH	-	-	87	11	-	-	98
LINES, LONG OR SET WITH HOOKS							
WITH HOOKS	-	31	43	20	-	-	94
DIP NETS	-	-	-	-	3	-	3

SUMMARY OF U.S. OPERATING UNITS, BY STATES, 1977

ITEM	NEW YORK	PENNSYLVANIA	OHIO	MICHIGAN	INDIANA	ILLINOIS	WISCONSIN	MINNESOTA	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER								
FISHERMEN:									
ON VESSELS:									
FULL-TIME	11	21	61	138	6	8	197	12	439
PART-TIME	5	1	3	18	-	-	51	2	79
ON BOATS AND SHORE:									
FULL-TIME	8	2	12	38	8	-	49	22	79
PART-TIME	63	44	113	142	50	-	188	100	592
TOTAL	87	68	189	336	64	8	485	136	1,189
VESSELS, MOTOR									
GROSS TONNAGE	62	153	408	1,379	60	92	2,158	150	4,303
BOATS:									
MOTOR	53	28	72	99	35	-	163	81	446
OTHER	-	10	33	11	-	-	1	-	55
GEAR:									
HAUL SEINES	-	10	58	23	-	-	2	-	93
OTTER TRAWLS	1	-	-	2	-	-	9	2	13
POUND NETS	-	-	-	53	-	-	106	43	202
TRAP NETS	93	-	231	431	-	-	54	2	809
FYKE AND HOOP NETS	41	1	-	-	-	-	310	-	354
GILL NETS:									
1¼—2 INCH MESH	6	-	-	15	-	-	99	2	122
2½—3¾ INCH MESH	99	92	170	297	104	22	534	182	1,485
4—7 INCH MESH	58	2	-	191	-	-	359	45	647
7½—14 INCH MESH	-	-	-	87	-	-	11	-	98
LINES, LONG OR SET WITH HOOKS									
WITH HOOKS	-	1	30	43	-	-	20	-	94
DIP NETS	-	-	-	-	-	-	-	3	3

SUMMARY OF U.S. OPERATING UNITS, BY STATES AND LAKES, 1977

ITEM	NEW YORK		PENNSYLVANIA, LAKE ERIE	OHIO, LAKE ERIE	MICHIGAN			
	LAKE ONTARIO	LAKE ERIE			LAKE ERIE	LAKE HURON	LAKE MICHIGAN	LAKE SUPERIOR
	NUMBER							
FISHERMEN:								
ON VESSELS:								
FULL-TIME.....	2	9	21	61	3	20	75	46
PART-TIME.....	1	4	1	3	1	-	7	10
ON BOATS AND SHORE:								
FULL-TIME.....	-	8	2	12	-	20	12	6
PART-TIME.....	28	35	44	113	5	71	40	26
TOTAL.....	31	56	68	189	9	111	134	88
VESSLS, MOTOR.....	1	4	11	31	1	10	37	25
GROSS TONNAGE.....	10	52	153	408	23	95	783	543
BOATS:								
MOTOR.....	24	29	28	72	3	49	28	19
OTHER.....	-	-	10	33	2	8	-	1
GEAR:								
HAUL SEINES.....	-	-	10	58	6	14	2	1
OTTER TRAWLS.....	1	-	-	-	-	-	2	-
POUND NETS.....	-	-	-	-	-	6	47	-
TRAP NETS.....	93	-	-	231	10	217	159	45
FYKE AND HOOP NETS.....	41	-	1	-	-	-	-	-
GILL NETS:								
1¼-2 INCH MESH.....	6	-	-	-	-	-	10	5
2½-37/8 INCH MESH.....	19	80	92	170	-	-	79	218
4-7 INCH MESH.....	-	58	2	-	-	-	114	79
7½-14 INCH MESH.....	-	-	-	-	-	87	-	-
LINES, LONG OR SET WITH HOOKS.....	-	-	1	30	-	43	-	-

ITEM	INDIANA, LAKE MICHIGAN	ILLINOIS, LAKE MICHIGAN	WISCONSIN		MINNESOTA	
			LAKE MICHIGAN	LAKE SUPERIOR	LAKE SUPERIOR	INTERNATIONAL LAKES
	NUMBER					
FISHERMEN:						
ON VESSELS:						
FULL-TIME.....	6	8	160	37	12	-
PART-TIME.....	-	-	35	16	2	-
ON BOATS AND SHORE:						
FULL-TIME.....	8	-	43	6	22	-
PART-TIME.....	50	-	178	10	61	39
TOTAL.....	64	8	416	69	97	39
VESSLS, MOTOR.....	2	3	79	17	6	-
GROSS TONNAGE.....	60	92	1,776	382	150	-
BOATS:						
MOTOR.....	35	-	152	11	54	27
OTHER.....	-	-	1	-	-	-
GEAR:						
HAUL SEINES.....	-	-	2	-	-	-
OTTER TRAWLS.....	-	-	9	2	33	-
POUND NETS.....	-	-	37	43	6	10
TRAP NETS.....	-	-	48	-	-	2
FYKE AND HOOP NETS.....	-	-	310	-	-	-
GILL NETS:						
1¼-2 INCH MESH.....	-	-	62	2	37	-
2½-3 7/8 INCH MESH.....	104	22	412	159	122	60
4-7 INCH MESH.....	-	-	223	45	136	-
7½-14 INCH MESH.....	-	-	11	-	-	-
LINES, LONG OR SET WITH HOOKS.....	-	-	20	-	-	-
DIP NETS.....	-	-	-	3	-	-

GREAT LAKES FISHERIES

LANDINGS BY STATES, 1977

SPECIES	NEW YORK		PENNSYLVANIA		OHIO	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BUFFALOFISH	-	-	-	-	35,000	9,795
BULLHEADS	45,900	17,910	200	36	62,500	12,102
CARP	3,400	180	-	-	2,752,800	150,925
CATFISH	1,600	817	500	285	255,500	133,329
CHUBS	-	-	-	-	-	-
CRAPPIE	2,600	1,190	-	-	-	-
GIZZARD SHAD	-	-	-	-	504,300	7,570
GOLDFISH	-	-	-	-	550,500	21,584
LAKE HERRING	100	22	-	-	-	-
LAKE TROUT	-	-	(1)	43	-	-
MINNOWS	-	-	11,900	19,697	-	-
QUILLBACK	-	-	-	-	102,600	4,358
ROCK BASS	12,400	2,722	-	-	-	-
SHEEPSHEAD	21,300	581	3,000	83	804,700	21,911
SMELT	14,000	6,932	1,100	136	1,400	209
SUCKERS	21,600	1,007	900	42	32,700	1,484
SUNFISH	9,100	2,986	-	-	-	-
WHITE BASS	5,800	1,182	1,400	238	1,104,800	636,188
WHITEFISH, COMMON	-	-	(1)	19	-	-
WHITE PERCH	68,400	23,289	-	-	-	-
YELLOW PERCH	203,000	104,593	385,900	224,980	2,326,100	1,371,343
YELLOW PIKE (WALLEYE)	69,100	47,274	1,800	1,010	-	-
TOTAL	478,300	210,685	406,700	246,569	8,532,900	2,370,778

SPECIES	MICHIGAN		INDIANA		ILLINOIS	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ALEWIVES	4,475,700	65,541	-	-	-	-
BOWFIN	2,000	71	-	-	-	-
BROWN TROUT	-	-	100	42	-	-
BUFFALOFISH	39,600	12,792	-	-	-	-
BULLHEADS	29,800	5,438	-	-	-	-
BURBOT	122,000	1,854	-	-	-	-
CARP	1,141,400	90,076	-	-	-	-
CATFISH	451,800	188,838	300	146	-	-
CHUBS	843,700	424,370	1,700	1,024	27,600	27,662
CRAPPIE	26,000	16,987	-	-	-	-
GIZZARD SHAD	3,200	313	-	-	-	-
LAKE HERRING	145,100	37,013	-	-	-	-
LAKE TROUT	90,800	58,744	100	111	-	-
QUILLBACK	8,500	1,726	-	-	-	-
ROCK BASS	(1)	2	-	-	-	-
SALMON, SILVER OR COHO	-	-	900	564	-	-
SHEEPSHEAD	12,500	1,390	-	-	-	-
SMELT	731,800	34,334	1,300	206	2,500	685
SUCKERS	181,100	11,337	2,200	196	-	-
WHITE BASS	9,600	5,697	-	-	-	-
WHITEFISH:						
COMMON	2,914,400	2,112,772	700	480	-	-
MENOMINEE	88,100	29,269	-	-	-	-
YELLOW PERCH	258,400	134,594	155,300	102,870	192,100	148,594
TOTAL	11,575,500	3,233,158	162,600	105,639	222,200	176,941

SPECIES	WISCONSIN		MINNESOTA		TOTAL	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ALEWIVES	43,929,300	695,883	-	-	48,405,000	761,424
BOWFIN	-	-	-	-	2,000	71
BROWN TROUT	-	-	-	-	100	42
BUFFALOFISH	-	-	-	-	74,600	22,587
BULLHEADS	118,200	35,556	(1)	10	256,600	71,052
BURBOT	190,000	4,326	30,300	706	342,300	6,886
CARP	526,600	9,237	-	-	4,424,200	250,418
CATFISH	900	335	-	-	710,600	323,750
CHUBS	462,200	355,534	28,400	17,283	1,363,600	825,873
CRAPPIE	-	-	-	-	28,600	18,177
GIZZARD SHAD	-	-	-	-	507,500	7,883
GOLDFISH	-	-	-	-	550,500	21,584
LAKE HERRING	75,000	21,340	102,700	36,953	322,900	95,328
LAKE TROUT	229,400	149,149	35,900	32,344	356,200	240,391
MINNOWS	-	-	-	-	11,900	19,697
PIKE OR PICKEREL	16,300	2,934	107,400	30,738	123,700	33,672
QUILLBACK	-	-	-	-	111,100	6,084
ROCK BASS	-	-	-	-	12,400	2,724
SALMON, SILVER OR COHO	-	-	-	-	900	564

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS BY STATES, 1977 - Continued

SPECIES	WISCONSIN		MINNESOTA		TOTAL	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
SAUGER.....	-	-	25,500	7,156	25,500	7,156
SHEEPSHEAD.....	600	56	-	-	842,100	24,021
SMELT.....	372,900	41,979	1,745,300	77,368	2,870,300	161,849
SUCKERS.....	221,100	5,754	253,300	12,665	712,900	32,485
SUNFISH.....	-	-	-	-	9,100	2,986
TULLIBEE.....	-	-	400,700	32,077	400,700	32,077
WHITE BASS.....	1,900	660	-	-	1,123,500	643,965
WHITEFISH:						
COMMON.....	1,818,600	1,689,523	24,700	10,603	4,758,400	3,813,397
MENOMINEE.....	49,000	18,067	-	-	137,100	47,336
WHITE PERCH.....	-	-	-	-	68,400	23,289
YELLOW PERCH.....	622,300	438,988	6,900	1,924	4,150,000	2,527,886
YELLOW PIKE (WALLEYE).....	10,900	8,754	252,400	190,014	334,200	247,052
TOTAL.....	48,645,200	3,478,075	3,013,500	449,841	73,036,900	10,271,686

(1) LESS THAN 50 POUNDS.

LANDINGS BY LAKES AND STATES, 1977

SPECIES	LAKE ONTARIO		LAKE ERIE			
	NEW YORK		NEW YORK		PENNSYLVANIA	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BULLHEADS.....	45,900	17,910	-	-	200	36
CARP.....	1,900	96	1,500	84	-	-
CATFISH.....	1,400	722	200	95	500	285
CRAPPIE.....	2,600	1,190	-	-	-	-
LAKE HERRING.....	-	-	100	22	-	-
LAKE TROUT.....	-	-	-	-	(1)	43
MINNOWS.....	-	-	-	-	11,900	19,697
ROCK BASS.....	12,100	2,664	300	58	-	-
SHEEPSHEAD.....	-	-	21,300	581	3,000	83
SMELT.....	13,200	6,818	800	114	1,100	136
SUCKERS.....	2,300	133	19,300	874	900	42
SUNFISH.....	9,100	2,986	-	-	-	-
WHITE BASS.....	200	50	5,600	1,132	1,400	238
WHITEFISH, COMMON.....	-	-	-	-	(1)	19
WHITE PERCH.....	68,400	23,289	-	-	-	-
YELLOW PERCH.....	48,900	19,605	154,100	84,988	385,900	224,980
YELLOW PIKE (WALLEYE).....	700	380	68,400	46,894	1,800	1,010
TOTAL.....	206,700	75,843	271,600	134,842	406,700	246,569

SPECIES	LAKE ERIE - CONTINUED					
	OHIO		MICHIGAN		TOTAL	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BUFFALOFISH.....	35,000	9,795	39,600	12,792	74,600	22,587
BULLHEADS.....	62,500	12,102	9,200	2,210	71,900	14,348
CARP.....	2,752,800	150,925	354,000	16,214	3,108,300	167,223
CATFISH.....	255,500	133,329	51,700	29,220	307,900	162,929
GIZZARD SHAD.....	504,300	7,570	-	-	504,300	7,570
GOLDFISH.....	550,500	21,564	-	-	550,500	21,564
LAKE HERRING.....	-	-	-	-	100	22
LAKE TROUT.....	-	-	-	-	(1)	43
MINNOWS.....	-	-	-	-	11,900	19,697
QUILLBACK.....	102,600	4,358	-	-	102,600	4,358
ROCK BASS.....	-	-	-	-	300	58
SHEEPSHEAD.....	804,700	21,911	4,300	378	833,300	22,953
SMELT.....	1,400	209	-	-	3,300	459
SUCKERS.....	32,700	1,484	100	6	53,000	2,406
WHITE BASS.....	1,104,800	636,188	9,500	5,631	1,121,300	643,189
WHITEFISH, COMMON.....	-	-	-	-	(1)	19
YELLOW PERCH.....	2,326,100	1,371,343	2,800	1,492	2,868,900	1,682,803
YELLOW PIKE (WALLEYE).....	-	-	-	-	70,200	47,904
TOTAL.....	8,532,900	2,370,778	471,200	67,943	9,682,400	2,820,132

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

GREAT LAKES FISHERIES

LANDINGS BY LAKES AND STATES, 1977 - Continued

SPECIES	LAKE HURON		LAKE MICHIGAN			
	MICHIGAN		MICHIGAN		INDIANA	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ALEWIVES.....	-	-	4,475,700	65,541	-	-
BOWFIN.....	2,000	71	-	-	-	-
BROWN TROUT.....	-	-	-	-	100	42
BULLHEADS.....	20,800	3,228	-	-	-	-
BURBOT.....	-	-	48,600	391	-	-
CARP.....	787,400	73,862	-	-	-	-
CATFISH.....	400,100	159,618	-	-	300	146
CHUBS.....	-	-	82,300	80,797	1,700	1,024
CRAPPIE.....	26,000	16,987	-	-	-	-
GIZZARD SHAD.....	3,200	313	-	-	-	-
LAKE HERRING.....	300	87	-	-	-	-
LAKE TROUT.....	-	-	-	-	100	111
QUILLBACK.....	8,500	1,726	-	-	-	-
ROCK BASS.....	(1)	2	-	-	-	-
SALMON, SILVER OR COHO.....	-	-	-	-	900	584
SHEEPSHEAD.....	8,200	1,012	-	-	-	-
SMELT.....	-	-	730,600	33,636	1,300	206
SUCKERS.....	105,500	9,261	64,500	1,773	2,200	196
WHITE BASS.....	100	66	-	-	-	-
WHITEFISH:						
COMMON.....	443,400	332,102	2,035,200	1,396,952	700	480
MENOMINEE.....	7,800	781	78,300	27,819	-	-
YELLOW PERCH.....	255,600	133,102	-	-	155,300	102,870
TOTAL.....	2,068,700	732,218	7,515,200	1,606,909	162,600	105,639

SPECIES	LAKE MICHIGAN - CONTINUED					
	ILLINOIS		WISCONSIN		TOTAL	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ALEWIVES.....	-	-	43,929,300	665,883	48,405,000	761,424
BROWN TROUT.....	-	-	-	-	100	42
BULLHEADS.....	-	-	118,200	35,556	118,200	35,556
BURBOT.....	-	-	189,200	4,309	237,800	4,700
CARP.....	-	-	526,600	9,237	526,600	9,237
CATFISH.....	-	-	900	335	1,200	481
CHUBS.....	27,600	27,662	259,000	250,204	370,600	359,687
LAKE HERRING.....	-	-	800	299	800	299
LAKE TROUT.....	-	-	-	-	100	111
PIKE OR PICKEREL.....	-	-	16,300	2,934	16,300	2,934
SALMON, SILVER OR COHO.....	-	-	-	-	900	564
SHEEPSHEAD.....	-	-	600	56	600	56
SMELT.....	2,500	685	119,400	26,818	853,600	61,345
SUCKERS.....	-	-	204,000	4,540	270,700	6,509
WHITE BASS.....	-	-	1,900	660	1,900	660
WHITEFISH:						
COMMON.....	-	-	1,554,400	1,460,478	3,590,300	2,857,910
MENOMINEE.....	-	-	19,300	9,108	97,600	36,927
YELLOW PERCH.....	192,100	148,594	622,300	436,988	969,700	690,452
YELLOW PIKE (WALLEYE).....	-	-	10,900	8,754	10,900	8,754
TOTAL.....	222,200	176,941	47,573,100	2,948,159	55,473,100	4,837,648

SPECIES	LAKE SUPERIOR					
	MICHIGAN		WISCONSIN		MINNESOTA	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BURBOT.....	73,400	1,463	800	17	-	-
CHUBS.....	761,400	343,573	203,200	105,330	28,400	17,283
LAKE HERRING.....	144,800	36,926	74,200	21,041	102,700	36,953
LAKE TROUT.....	90,800	58,744	229,400	149,149	35,900	32,344
SMELT.....	1,200	698	253,500	15,161	1,745,300	77,368
SUCKERS.....	11,000	297	17,100	1,214	-	-
WHITEFISH:						
COMMON.....	435,800	383,718	264,200	229,045	400	185
MENOMINEE.....	2,000	669	29,700	8,959	-	-
TOTAL.....	1,520,400	826,088	1,072,100	529,916	1,912,700	164,133

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS BY LAKES AND STATES, 1977 - Continued

SPECIES	LAKE SUPERIOR - CONTINUED		TOTAL GREAT LAKES		LAKE OF THE WOODS	
	TOTAL				MINNESOTA	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ALEWIVES	.	.	48 405.000	781 424	.	.
BOWFIN	.	.	2 000	71	.	.
BROWN TROUT	.	.	100	42	.	.
BUFFALOFISH	.	.	74 600	22 587	.	.
BULLHEADS	.	.	256 800	71 042	(1)	10
BURBOT	74 200	1 480	312 000	8 180	30 300	708
CARP	.	.	4 424 200	250 418	.	.
CATFISH	.	.	710 600	323 730	.	.
CHUBS	993.000	466.186	1 383 600	625 873	.	.
CRAPPIE	.	.	28 600	18 177	.	.
GIZZARD SHAD	.	.	507 500	7 883	.	.
GOLDFISH	.	.	560 500	21 584	.	.
LAKE HERRING	321.700	94.920	322 800	86 328	.	.
LAKE TROUT	358.100	240.237	358 200	240 381	.	.
MINNOWS	.	.	11 900	19 887	.	.
PIKE OR PICKEREL	.	.	16 300	2 804	88 600	27 068
QUILLBACK	.	.	111 100	6 084	.	.
ROCK BASS	.	.	12 400	2 724	.	.
SALMON, SILVER OR COHO	.	.	900	584	.	.
SAUGER	.	.	.	.	25 500	7 158
SHEEPSHEAD	.	.	842.100	24.021	.	.
SMELT	2 000.000	93.227	2 870 300	181 848	.	.
SUCKERS	28.100	1.511	459 600	19 820	253 300	12 885
SUNFISH	.	.	9 100	2 986	.	.
TULLIBEE	.	.	.	.	400 700	32 014
WHITE BASS	.	.	1 123 500	643 985	.	.
WHITEFISH:	.	.	.	.	.	.
COMMON	700.400	612.948	4 734 100	3 802 979	(1)	14
MENOMINEE	31.700	9.628	137 100	47 338	.	.
WHITE PERCH	.	.	88 400	23 288	.	.
YELLOW PERCH	.	.	4 143 100	2 525 982	8 900	1 824
YELLOW PIKE (WALLEYE)	.	.	81 800	57 038	225 900	187 150
TOTAL	4,505,200	1,520,137	71,938 100	9 985 978	1 038 700	248 688

SPECIES	NAMAKAN LAKE		RAINY LAKE		TOTAL INTERNATIONAL LAKES		TOTAL ALL LAKES	
	MINNESOTA		MINNESOTA					
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ALEWIVES	48 405 000	781 424
BOWFIN	2 000	71
BROWN TROUT	100	42
BUFFALOFISH	74 600	22 587
BULLHEADS	(1)	10	256 800	71 042
BURBOT	30 300	708	342 300	8 888
CARP	4 424 200	250 418
CATFISH	710 600	323 730
CHUBS	1 383 600	625 873
CRAPPIE	28 600	18 177
GIZZARD SHAD	507 500	7 883
GOLDFISH	560 500	21 584
LAKE HERRING	322 800	86 328
LAKE TROUT	358 200	240 381
MINNOWS	11 900	19 887
PIKE OR PICKEREL	.	.	10 800	3 882	107 400	30 738	173 700	33 872
QUILLBACK	111 100	6 084
ROCK BASS	12 400	2 724
SALMON, SILVER OR COHO	900	584
SAUGER	.	.	(1)	7	25 500	7 158	25 500	7 158
SHEEPSHEAD	842 100	24 021
SMELT	2 870 300	181 848
SUCKERS	253 300	12 885	112 800	32 485
SUNFISH	9 100	2 986	9 100	2 986
TULLIBEE	500	63	.	.	400 700	32 014	400 700	32 014
WHITE BASS	1 123 500	643 985
WHITEFISH:
COMMON	600	208	23 700	10 188	24 300	10 418	4 734 100	3 802 979
MENOMINEE	137 100	47 338
WHITE PERCH	88 400	23 288	88 400	23 288
YELLOW PERCH	8 900	1 824	4 150 000	2 527 802
YELLOW PIKE (WALLEYE)	.	.	28 500	22 884	252 400	180 014	334 300	247 062
TOTAL	1 100	271	61 000	38 748	1 100 800	286 708	73 038 600	10 271 688

(1) LESS THAN 50 POUNDS

GREAT LAKES FISHERIES

LAKE ONTARIO - OPERATING UNITS BY GEAR, 1977

ITEM	OTTER TRAWLS	TRAP NETS	FYKE AND HOOP NETS	GILL NETS	
				1 - 1¼ INCH MESH	2½ - 37/8 INCH MESH
NUMBER					
FISHERMEN:					
ON VESSELS:					
FULL-TIME	2	-	-	2	2
PART-TIME	1	-	-	-	1
ON BOATS AND SHORE:					
PART-TIME	-	14	9	-	5
TOTAL FISHERMEN	3	14	9	2	8
VESSLS, MOTOR	1	-	-	1	1
GROSS TONNAGE	10	-	-	10	10
BOATS, MOTOR	-	13	6	-	5
GEAR	1	93	41	6	19

LAKE ERIE - OPERATING UNITS BY GEAR, 1977

ITEM	HAUL SEINES	TRAP NETS	FYKE AND HOOP NETS	GILL NETS		LINES, LONG OR SET WITH HOOKS
				2½ - 37/8 INCH MESH	4 - 7 INCH MESH	
NUMBER						
FISHERMEN:						
ON VESSELS:						
FULL-TIME	6	27	-	57	11	-
PART-TIME	2	-	-	2	5	-
ON BOATS AND SHORE:						
FULL-TIME	4	-	1	10	4	4
PART-TIME	86	9	1	64	17	20
TOTAL FISHERMEN	98	36	2	133	37	24
VESSLS, MOTOR	3	15	-	28	5	-
GROSS TONNAGE	33	189	-	379	60	-
BOATS:						
MOTOR	45	6	1	48	14	18
OTHER	45	-	-	-	-	-
GEAR	74	241	1	327	60	31

LAKE HURON - OPERATING UNITS BY GEAR, 1977

ITEM	HAUL SEINES	POUND NETS	TRAP NETS	GILL NETS, 7½ - 14 INCH MESH	LINES, LONG OR SET WITH HOOKS
FISHERMEN:					
ON VESSELS:					
FULL-TIME	-	-	20	-	-
ON BOATS AND SHORE:					
FULL-TIME	4	-	8	6	2
PART-TIME	12	3	19	10	27
TOTAL FISHERMEN	16	3	47	16	29
VESSLS, MOTOR	-	-	10	-	-
GROSS TONNAGE	-	-	95	-	-
BOATS:					
MOTOR	8	2	14	8	16
OTHER	8	-	-	-	-
GEAR	14	6	217	87	43

LAKE MICHIGAN - OPERATING UNITS BY GEAR, 1977

ITEM	HAUL SEINES	OTTER TRAWLS	POUND NETS	TRAP NETS	FYKE AND HOOP NETS
	NUMBER				
FISHERMEN:					
ON VESSELS:					
FULL-TIME.....	4	19	22	62	14
PART-TIME.....	-	-	8	13	5
ON BOATS AND SHORE:					
FULL-TIME.....	-	-	2	9	17
PART-TIME.....	2	-	17	5	33
TOTAL FISHERMEN.....	6	19	49	89	69
VESSELS, MOTOR.....	2	10	10	30	6
GROSS TONNAGE.....	22	232	171	598	74
BOATS:					
MOTOR.....	1	-	21	7	25
OTHER.....	1	-	-	-	-
GEAR.....	4	10	120	207	310

ITEM	GILL NETS				LINES, LONG OR SET WITH HOOKS
	1 1/4 - 2 INCH MESH	2 1/8 - 3 7/8 INCH MESH	4 - 7 INCH MESH	7 1/8 - 14 INCH MESH	
	NUMBER				
FISHERMEN:					
ON VESSELS:					
FULL-TIME.....	24	103	139	-	-
PART-TIME.....	1	12	24	-	-
ON BOATS AND SHORE:					
FULL-TIME.....	6	26	3	-	-
PART-TIME.....	16	179	9	5	2
TOTAL FISHERMEN.....	47	320	175	5	2
VESSELS, MOTOR.....	11	50	66	-	-
GROSS TONNAGE.....	243	1,207	1,469	-	-
BOATS, MOTOR.....	14	136	6	4	1
GEAR.....	72	617	329	11	20

LAKE SUPERIOR - OPERATING UNITS BY GEAR, 1977

ITEM	HAUL SEINES	OTTER TRAWLS	POUND NETS	TRAP NETS	GILL NETS			DIP NETS
					1 1/4 - 2 INCH MESH	2 1/8 - 3 7/8 INCH MESH	4 - 7 INCH MESH	
	NUMBER							
FISHERMEN:								
ON VESSELS:								
FULL-TIME.....	-	4	6	17	16	75	59	-
PART-TIME.....	-	-	3	4	-	5	27	-
ON BOATS AND SHORE:								
FULL-TIME.....	-	-	8	2	2	14	6	2
PART-TIME.....	2	-	11	-	7	52	22	3
TOTAL FISHERMEN.....	2	4	28	23	25	146	114	5
VESSELS, MOTOR.....	-	2	3	8	7	38	29	-
GROSS TONNAGE.....	-	96	89	175	144	843	614	-
BOATS:								
MOTOR.....	1	-	12	1	6	44	17	3
OTHER.....	1	-	-	-	-	-	-	-
GEAR.....	1	2	70	51	44	522	260	3

LAKE OF THE WOODS, NAMAKAN LAKE, AND RAINY LAKE, OPERATING UNITS BY GEAR, 1977

ITEM	POUND NETS	TRAP NETS	GILL NETS 4 - 7 INCH MESH
	NUMBER		
FISHERMEN, ON BOATS AND SHORE, PART-TIME.....	12	2	25
BOATS, MOTOR.....	9	1	17
GEAR.....	10	2	60

GREAT LAKES FISHERIES

LANDINGS BY LAKE, STATE, AND CATCH BY GEAR, 1977

SPECIES	LAKE ONTARIO					
	NEW YORK					
	OTTER TRAWLS		TRAP NETS		FYKE AND HOOP NETS	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BULLHEADS.....	-	-	42,100	15,905	3,800	2,005
CARP.....	-	-	1,900	95	(1)	1
CATFISH.....	-	-	1,400	722	-	-
CRAPPIE.....	-	-	2,200	1,029	400	181
ROCK BASS.....	-	-	7,800	1,514	1,500	448
SMELT.....	1,500	800	-	-	-	-
SUCKERS.....	-	-	2,100	118	200	14
SUNFISH.....	-	-	8,400	2,818	700	170
WHITE BASS.....	-	-	(1)	20	100	19
WHITE PERCH.....	-	-	12,000	3,180	300	27
YELLOW PERCH.....	-	-	23,700	7,502	3,700	1,453
YELLOW PIKE (WALLEYE).....	-	-	700	380	-	-
TOTAL.....	1,500	800	102,300	33,281	10,700	4,296

SPECIES	LAKE ONTARIO - CONTINUED					
	NEW YORK - CONTINUED					
	GILL NETS				TOTAL	
	1/4 - 2 INCH MESH		2 1/8 - 3 7/8 INCH MESH			
POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS	
BULLHEADS.....	-	-	-	-	45,900	17,910
CARP.....	-	-	-	-	1,900	98
CATFISH.....	-	-	-	-	1,400	722
CRAPPIE.....	-	-	-	-	2,800	1,190
ROCK BASS.....	-	-	2,800	704	12,100	2,864
SMELT.....	11,700	6,218	-	-	13,200	6,818
SUCKERS.....	-	-	(1)	1	2,300	133
SUNFISH.....	-	-	-	-	9,100	2,988
WHITE BASS.....	-	-	100	11	200	50
WHITE PERCH.....	-	-	56,100	20,082	68,400	23,289
YELLOW PERCH.....	-	-	21,500	10,850	48,900	19,605
YELLOW PIKE (WALLEYE).....	-	-	-	-	700	380
TOTAL.....	11,700	6,218	80,500	31,448	206,700	75,843

SPECIES	LAKE ERIE					
	NEW YORK					
	GILL NETS				TOTAL	
	2 1/8 - 3 7/8 INCH MESH		4 - 7 INCH MESH			
POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS	
CARP.....	200	12	1,300	72	1,500	84
CATFISH.....	100	29	100	68	200	95
LAKE HERRING.....	100	22	-	-	100	22
ROCK BASS.....	300	56	(1)	2	300	58
SHEEPSHEAD.....	15,000	410	6,300	171	21,300	581
SMELT.....	500	75	300	39	800	114
SUCKERS.....	11,000	500	8,300	374	19,300	874
WHITE BASS.....	4,900	984	700	148	5,600	1,132
YELLOW PERCH.....	150,900	83,034	3,200	1,954	154,100	84,988
YELLOW PIKE (WALLEYE).....	10,500	6,714	57,900	40,180	68,400	46,894
TOTAL.....	193,500	91,836	78,100	43,006	271,600	134,842

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

GREAT LAKES FISHERIES

LANDINGS BY LAKE, STATE, AND CATCH BY GEAR, 1977 - Continued

SPECIES	LAKE ERIE - CONTINUED					
	PENNSYLVANIA					
	HAUL SEINES		FYKE AND HOOP NETS		GILL NETS	
	2-1/8 - 3-7/8 INCH MESH					
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BULLHEADS.....	-	-	-	-	200	36
CATFISH.....	-	-	100	33	100	95
LAKE TROUT.....	-	-	-	-	(1)	39
MINNOWS.....	11,900	19,697	-	-	-	-
SHEEPSHEAD.....	-	-	(1)	1	2,900	78
SMELT.....	-	-	-	-	1,100	136
SUCKERS.....	-	-	-	-	900	42
WHITE BASS.....	-	-	-	-	1,400	238
WHITEFISH, COMMON.....	-	-	-	-	(1)	4
YELLOW PERCH.....	-	-	-	-	380,800	221,684
YELLOW PIKE (WALLEYE).....	-	-	-	-	800	348
TOTAL.....	11,900	19,697	100	34	388,200	222,700

SPECIES	LAKE ERIE - CONTINUED					
	PENNSYLVANIA - CONTINUED					
	GILL NETS		LINES, LONG OR SET WITH HOOKS		TOTAL	
	4 - 7 INCH MESH					
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BULLHEADS.....	-	-	-	-	200	36
CATFISH.....	(1)	15	300	142	500	285
LAKE TROUT.....	(1)	4	-	-	(1)	43
MINNOWS.....	-	-	-	-	11,900	19,697
SHEEPSHEAD.....	-	-	100	4	3,000	83
SMELT.....	-	-	-	-	1,100	136
SUCKERS.....	-	-	-	-	900	42
WHITE BASS.....	-	-	-	-	1,400	238
WHITEFISH, COMMON.....	(1)	15	-	-	(1)	19
YELLOW PERCH.....	5,100	3,296	-	-	385,900	224,980
YELLOW PIKE (WALLEYE).....	1,000	662	-	-	1,800	1,010
TOTAL.....	6,100	3,992	400	146	406,700	246,569

SPECIES	LAKE ERIE - CONTINUED					
	OHIO					
	HAUL SEINES		TRAP NETS		GILL NETS, 2 1/8 - 3 7/8 INCH MESH	
		POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BUFFALOFISH.....	17,800	5,106	17,200	4,689	-	-
BULLHEADS.....	49,400	9,655	12,200	2,250	500	133
CARP.....	2,677,700	147,154	74,600	3,743	500	28
CATFISH.....	184,000	97,534	54,600	26,661	600	327
GIZZARD SHAD.....	463,800	6,963	800	12	39,700	595
GOLDFISH.....	548,400	21,532	2,100	32	-	-
QUILLBACK.....	61,800	2,616	40,800	1,742	-	-
SHEEPSHEAD.....	234,100	10,456	124,800	5,411	445,500	6,033
SMELT.....	-	-	-	-	1,400	209
SUCKERS.....	7,900	353	21,700	985	3,100	146
WHITE BASS.....	352,900	201,538	731,800	422,709	20,100	11,941
YELLOW PERCH.....	27,100	16,681	140,800	84,582	2,158,200	1,270,080
TOTAL.....	4,624,900	519,588	1,221,400	552,816	2,669,600	1,289,492

SPECIES	LAKE ERIE - CONTINUED					
	OHIO - CONTINUED				MICHIGAN	
	LINES, LONG OR SET WITH HOOKS		TOTAL		HAUL SEINES	
		POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BUFFALOFISH.....	-	-	35,000	9,795	39,500	12,761
BULLHEADS.....	400	64	62,500	12,102	9,200	2,210
CARP.....	-	-	2,752,800	150,925	351,600	16,021
CATFISH.....	16,300	8,807	255,500	133,329	48,100	27,340
GIZZARD SHAD.....	-	-	504,300	7,570	-	-
GOLDFISH.....	-	-	550,500	21,564	-	-
QUILLBACK.....	-	-	102,600	4,358	-	-
SHEEPSHEAD.....	300	11	804,700	21,911	100	3
SMELT.....	-	-	1,400	209	-	-
SUCKERS.....	-	-	32,700	1,484	-	-
WHITE BASS.....	-	-	1,104,800	636,188	2,900	1,646
YELLOW PERCH.....	-	-	2,326,100	1,371,343	-	-
TOTAL.....	17,000	8,882	8,532,900	2,370,778	451,400	59,981

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

GREAT LAKES FISHERIES

LANDINGS BY LAKE, STATE, AND CATCH BY GEAR, 1977 - Continued

SPECIES	LAKE ERIE - CONTINUED				LAKE HURON	
	MICHIGAN - CONTINUED				MICHIGAN	
	TRAP NETS		TOTAL		HAUL SEINES	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BUFFALOFISH	100	31	39,800	12,792	-	-
BULLHEADS	-	-	9,200	2,210	400	63
CARP	2,400	193	354,000	16,214	339,100	27,269
CATFISH	3,600	1,860	51,700	29,220	71,300	33,630
CRAPPIE	-	-	-	-	(1)	3
SHEEPSHEAD	4,200	375	4,300	378	(1)	1
SUCKERS	100	6	100	6	500	51
WHITE BASS	6,800	3,985	9,500	5,631	-	-
YELLOW PERCH	2,800	1,492	2,800	1,492	700	329
TOTAL	19,800	7,962	471,200	67,943	412,000	61,566

SPECIES	LAKE HURON - CONTINUED					
	MICHIGAN - CONTINUED					
	POUND NETS		TRAP NETS		FYKE AND HOOP NETS	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BOWFIN	-	-	2,000	71	-	-
BULLHEADS	500	48	19,500	3,096	200	21
CARP	-	-	120,200	7,574	-	-
CATFISH	500	168	170,900	72,397	400	130
CRAPPIE	400	245	25,400	16,610	200	129
GIZZARD SHAD	-	-	3,200	307	-	-
LAKE HERRING	-	-	300	87	-	-
QUILLBACK	-	-	8,100	1,676	-	-
ROCK BASS	-	-	(1)	2	-	-
SHEEPSHEAD	-	-	8,200	1,009	-	-
SUCKERS	-	-	105,000	9,210	-	-
WHITE BASS	-	-	100	66	-	-
WHITEFISH:	-	-	-	-	-	-
COMMON	8,800	5,294	434,800	326,806	-	-
MENOMINEE	-	-	7,800	781	-	-
YELLOW PERCH	200	191	254,600	132,533	100	46
TOTAL	10,400	5,946	1,159,900	572,227	900	326

SPECIES	LAKE HURON - CONTINUED					
	MICHIGAN - CONTINUED					
	GILL NETS, 7 1/8 - 14 INCH MESH		LINES, LONG OR SET WITH HOOKS		TOTAL	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BOWFIN	-	-	-	-	2,000	71
BULLHEADS	-	-	-	-	20,800	3,226
CARP	328,100	36,997	(1)	2	787,400	73,862
CATFISH	(1)	14	157,000	53,079	400,100	159,618
CRAPPIE	-	-	-	-	26,000	16,967
GIZZARD SHAD	(1)	6	-	-	3,200	313
LAKE HERRING	-	-	-	-	300	87
QUILLBACK	400	50	-	-	8,500	1,726
ROCK BASS	-	-	-	-	(1)	2
SHEEPSHEAD	-	-	(1)	2	8,200	1,012
SUCKERS	-	-	-	-	105,500	9,261
WHITE BASS	-	-	-	-	100	66
WHITEFISH:	-	-	-	-	-	-
COMMON	-	-	-	-	443,400	332,102
MENOMINEE	-	-	-	-	7,800	781
YELLOW PERCH	-	-	(1)	3	255,600	133,102
TOTAL	328,500	39,067	157,000	53,086	2,068,700	732,216

SPECIES	LAKE MICHIGAN					
	MICHIGAN					
	HAUL SEINES		OTTER TRAWLS		POUND NETS	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ALEWIVES	-	-	300	4	4,472,800	65,499
BURBOT	-	-	100	1	39,800	319
SMELT	-	-	(1)	6	721,200	31,703
SUCKERS	-	-	-	-	11,000	172
WHITEFISH:	-	-	-	-	-	-
COMMON	58,100	39,390	10,000	9,933	51,300	28,949
MENOMINEE	-	-	-	-	500	200
TOTAL	58,100	39,390	10,400	9,944	5,296,600	126,842

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS BY LAKE, STATE, AND CATCH BY GEAR, 1977 - Continued

SPECIES	LAKE MICHIGAN - CONTINUED					
	MICHIGAN - CONTINUED					
	TRAP NETS		GILL NETS			
			1 1/4 - 2 INCH MESH		2 1/8 - 3 7/8 INCH MESH	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BURBOT.....	300	3	100	1	-	-
CHUBS.....	-	-	-	-	82,300	80,797
SMELT.....	-	-	3,600	1,624	-	-
SUCKERS.....	9,300	907	-	-	5,700	89
WHITEFISH:						
COMMON.....	1,470,200	950,093	-	-	-	-
MENOMINEE.....	7,200	3,853	-	-	68,700	23,192
TOTAL.....	1,487,000	954,856	3,700	1,625	156,700	104,078

SPECIES	LAKE MICHIGAN - CONTINUED					
	MICHIGAN - CONTINUED				INDIANA	
	GILL NETS - CONTINUED		TOTAL		GILL NETS, 2 1/8 - 3 7/8 INCH MESH	
	4 - 7 INCH MESH					
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ALEWIVES.....	2,600	38	4,475,700	65,541	-	-
BROWN TROUT.....	-	-	-	-	100	42
BURBOT.....	8,300	67	48,600	391	-	-
CATFISH.....	-	-	-	-	300	146
CHUBS.....	-	-	82,300	80,797	1,700	1,024
LAKE TROUT.....	-	-	-	-	100	111
SALMON, COHO.....	-	-	-	-	900	564
SMELT.....	5,800	303	730,600	33,636	1,300	206
SUCKERS.....	38,500	605	64,500	1,773	2,200	196
WHITEFISH:						
COMMON.....	445,600	368,587	2,035,200	1,396,952	700	480
MENOMINEE.....	1,900	574	78,300	27,819	-	-
YELLOW PERCH.....	-	-	-	-	155,300	102,870
TOTAL.....	502,700	370,174	7,515,200	1,606,909	162,600	105,639

SPECIES	LAKE MICHIGAN - CONTINUED					
	ILLINOIS			WISCONSIN		
	GILL NETS, 2 1/8 - 3 7/8 INCH MESH		HAUL SEINES		OTTER TRAWL	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ALEWIVES.....	-	-	-	-	33,502,500	529,063
BURBOT.....	-	-	-	-	6,800	37
CARP.....	-	-	403,000	6,045	83,000	944
CHUBS.....	27,600	27,662	-	-	400	376
SMELT.....	2,500	685	-	-	46,600	11,133
SUCKERS.....	-	-	-	-	41,000	640
WHITEFISH, COMMON.....	-	-	-	-	1,900	1,503
YELLOW PERCH.....	192,100	148,594	-	-	100	24
TOTAL.....	222,200	176,941	403,000	6,045	33,682,300	543,720

SPECIES	LAKE MICHIGAN - CONTINUED					
	WISCONSIN - CONTINUED					
	POUND NETS		TRAP NETS		FYKE AND HOOP NETS	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ALEWIVES.....	10,320,300	165,971	14,000	190	57,200	546
BULLHEADS.....	-	-	-	-	107,900	35,433
BURBOT.....	30,700	424	-	-	84,600	2,574
CARP.....	-	-	-	-	3,300	48
CATFISH.....	-	-	-	-	900	335
LAKE HERRING.....	300	43	-	-	-	-
PIKE OR PICKEREL.....	1,700	243	-	1	13,000	2,377
SHEEPSHEAD.....	-	-	-	-	600	56

SEE FOOTNOTE AT END OF TABLE

(CONTINUED ON NEXT PAGE)

GREAT LAKES FISHERIES

LANDINGS BY LAKE, STATE, AND CATCH BY GEAR, 1977 - Continued

SPECIES	LAKE MICHIGAN - CONTINUED					
	WISCONSIN - CONTINUED					
	POUND NETS		TRAP NETS		FYKE AND HOOP NETS	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
SMELT.....	29,800	5,588	-	-	-	-
SUCKERS.....	10,300	228	2,100	39	60,600	1,128
WHITE BASS.....	-	-	-	-	1,800	628
WHITEFISH:						
COMMON.....	228,200	149,742	32,200	26,892	-	-
MENOMINEE.....	300	103	-	-	-	-
YELLOW PERCH.....	3,000	2,291	4,000	2,716	337,500	233,527
YELLOW PIKE (WALLEYE).....	(1)	17	-	-	9,800	7,732
TOTAL.....	10,624,600	324,650	52,300	29,838	677,200	284,384

SPECIES	LAKE MICHIGAN - CONTINUED					
	WISCONSIN - CONTINUED					
	GILL NETS					
	1/4 - 2 INCH MESH		2/8 - 3/8 INCH MESH		4 - 7 INCH MESH	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ALEWIVES.....	-	-	32,900	75	2,400	38
BULLHEADS.....	-	-	10,300	123	-	-
BURBOT.....	-	-	1,600	34	65,500	1,240
CARP.....	-	-	300	3	600	4
CHUBS.....	-	-	258,500	249,793	100	35
LAKE HERRING.....	-	-	100	76	400	180
PIKE OR PICKEREL.....	-	-	800	119	800	191
SMELT.....	27,100	8,198	4,100	563	11,600	1,268
SUCKERS.....	-	-	11,700	145	78,300	2,360
WHITE BASS.....	-	-	-	-	100	32
WHITEFISH:						
COMMON.....	-	-	8,100	7,432	1,284,000	1,274,909
MENOMINEE.....	-	-	17,000	8,058	2,000	947
YELLOW PERCH.....	300	194	276,400	199,510	1,000	726
YELLOW PIKE (WALLEYE).....	-	-	600	682	500	323
TOTAL.....	27,400	8,392	622,400	466,613	1,447,300	1,282,253

SPECIES	LAKE MICHIGAN - CONTINUED					
	WISCONSIN - CONTINUED					
	GILL NETS - CONTINUED		LINES, LONG OR SET WITH HOOKS		TOTAL	
	7/8 - 14 INCH MESH		POUNDS	DOLLARS	POUNDS	DOLLARS
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ALEWIVES.....	-	-	-	-	43,929,300	695,883
BULLHEADS.....	-	-	-	-	118,200	35,556
BURBOT.....	-	-	-	-	189,200	4,309
CARP.....	36,400	2,193	-	-	526,600	9,237
CATFISH.....	-	-	-	-	900	335
CHUBS.....	-	-	-	-	259,000	250,204
LAKE HERRING.....	-	-	-	-	800	299
PIKE OR PICKEREL.....	(1)	3	-	-	16,300	2,934
SHEEPSHEAD.....	-	-	-	-	600	56
SMELT.....	-	-	200	68	119,400	26,818
SUCKERS.....	-	-	-	-	204,000	4,540
WHITE BASS.....	-	-	-	-	1,900	660
WHITEFISH:						
COMMON.....	-	-	-	-	1,554,400	1,480,478
MENOMINEE.....	-	-	-	-	19,300	9,108
YELLOW PERCH.....	-	-	-	-	622,300	438,988
YELLOW PIKE (WALLEYE).....	-	-	-	-	10,900	8,754
TOTAL.....	36,400	2,196	200	68	47,573,100	2,948,159

SEE FOOTNOTE AT END OF TABLE

(CONTINUED ON NEXT PAGE)

LANDINGS BY LAKE, STATE, AND CATCH BY GEAR, 1977 - Continued

SPECIES	LAKE SUPERIOR					
	MICHIGAN					
	HAUL SEINES		TRAP NETS		GILL NETS	
	1 1/4 - 2 INCH MESH					
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BURBOT.....	-	-	200	4	-	-
LAKE TROUT.....	-	-	100	66	-	-
SMELT.....	-	-	-	-	1,100	675
SUCKERS.....	-	-	5,300	144	-	-
WHITEFISH:						
COMMON.....	4,600	2,066	303,100	255,720	(1)	1
MENOMINEE.....	100	18	-	-	(1)	7
TOTAL.....	4,700	2,084	308,700	255,934	1,100	683

SPECIES	LAKE SUPERIOR - CONTINUED					
	MICHIGAN - CONTINUED					
	GILL NETS - CONTINUED				TOTAL	
	2 1/8 - 3 7/8 INCH MESH		4 - 7 INCH MESH			
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BURBOT.....	70,400	1,404	2,800	55	73,400	1,463
CHUBS.....	761,400	343,573	-	-	761,400	343,573
LAKE HERRING.....	143,700	36,462	1,100	464	144,800	36,926
LAKE TROUT.....	29,200	11,997	61,500	46,681	90,800	58,744
SMELT.....	(1)	15	100	8	1,200	698
SUCKERS.....	100	2	5,600	151	11,000	297
WHITEFISH:						
COMMON.....	5,700	6,863	122,400	119,068	435,800	383,718
MENOMINEE.....	1,900	638	(1)	6	2,000	669
TOTAL.....	1,012,400	400,954	193,500	166,433	1,520,400	826,088

SPECIES	LAKE SUPERIOR - CONTINUED					
	WISCONSIN					
	POUND NETS		TRAP NETS		GILL NETS	
	1 1/4 - 2 INCH MESH					
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
LAKE HERRING.....	-	-	-	-	(1)	2
LAKE TROUT.....	5,000	4,256	600	486	-	-
SMELT.....	239,600	10,096	-	-	13,600	4,998
SUCKERS.....	7,300	145	100	16	-	-
WHITEFISH, COMMON.....	124,500	98,704	20,700	13,735	-	-
TOTAL.....	376,400	113,201	21,400	14,237	13,600	5,000

SPECIES	LAKE SUPERIOR - CONTINUED					
	WISCONSIN - CONTINUED					
	GILL NETS - CONTINUED				TOTAL	
	2 1/8 - 3 7/8 INCH MESH		4 - 7 INCH MESH			
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BURBOT.....	-	-	800	17	800	17
CHUBS.....	202,800	105,164	400	166	203,200	105,330
LAKE HERRING.....	73,300	20,774	900	265	74,200	21,041
LAKE TROUT.....	20,700	9,946	203,100	134,461	229,400	149,149
SMELT.....	100	9	200	58	253,500	15,161
SUCKERS.....	4,300	576	5,400	477	17,100	1,214
WHITEFISH:						
COMMON.....	4,000	1,228	115,000	115,378	264,200	229,045
MENOMINEE.....	29,700	8,956	(1)	3	29,700	8,959
TOTAL.....	334,900	146,653	325,800	250,825	1,072,100	529,916

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

GREAT LAKES FISHERIES

LANDINGS BY LAKE, STATE, AND CATCH BY GEAR, 1977 - Continued

SPECIES	LAKE SUPERIOR - CONTINUED					
	MINNESOTA					
	OTTER TRAWLS		POUND NETS		GILL NETS	
					1 1/4 - 2 INCH MESH	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
CHUBS.....	(1)	2	-	-	-	-
LAKE HERRING.....	(1)	3	-	-	1,100	395
SMELT.....	221,100	13,265	1,333,100	54,147	-	-
TOTAL.....	221,100	13,270	1,333,100	54,147	1,100	395

SPECIES	LAKE SUPERIOR - CONTINUED							
	MINNESOTA - CONTINUED							
	GILL NETS - CONTINUED				DIP NETS		TOTAL	
	2 1/8 - 3 7/8 INCH MESH		4 - 7 INCH MESH					
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
CHUBS.....	28,400	17,281	-	-	-	-	28,400	17,283
LAKE HERRING.....	101,600	36,555	-	-	-	-	102,700	36,953
LAKE TROUT.....	(1)	45	35,900	32,299	-	-	35,900	32,344
SMELT.....	200	8	-	-	190,900	9,948	1,745,300	77,368
WHITEFISH, COMMON.....	100	18	300	167	-	-	400	185
TOTAL.....	130,300	53,907	36,200	32,466	190,900	9,948	1,912,700	164,133

SPECIES	LAKE OF THE WOODS					
	MINNESOTA					
	POUND NETS		TRAP NETS		GILL NETS, 4 - 7 INCH MESH	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BULLHEADS.....	(1)	7	-	-	(1)	3
BURBOT.....	11,600	231	5,400	108	13,300	367
PIKE OR PICKEREL.....	22,700	6,356	1,200	337	72,700	20,363
SAUGER.....	9,900	2,775	100	45	15,500	4,329
SUCKERS.....	12,500	627	2,000	101	238,800	11,937
TULLIBEE.....	148,800	11,907	30,300	2,420	221,100	17,687
WHITEFISH, COMMON.....	-	-	-	-	(1)	14
YELLOW PERCH.....	3,800	1,052	300	80	2,800	792
YELLOW PIKE (WALLEYE).....	41,500	30,710	4,400	3,271	180,000	133,169
TOTAL.....	250,800	53,665	43,700	6,362	744,200	188,661

SPECIES	LAKE OF THE WOODS		RAINY LAKE		NAMAKAN LAKE	
	MINNESOTA - CONTINUED		MINNESOTA		MINNESOTA	
	TOTAL		GILL NETS, 4 - 7 INCH MESH		GILL NETS, 4 - 7 INCH MESH	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BULLHEADS.....	(1)	10	-	-	-	-
BURBOT.....	30,300	706	-	-	-	-
PIKE OR PICKEREL.....	96,600	27,056	10,800	3,682	-	-
SAUGER.....	25,500	7,149	(1)	7	-	-
SUCKERS.....	253,300	12,665	-	-	-	-
TULLIBEE.....	400,200	32,014	-	-	500	63
WHITEFISH, COMMON.....	(1)	14	23,700	10,196	600	208
YELLOW PERCH.....	6,900	1,924	-	-	-	-
YELLOW PIKE (WALLEYE).....	225,900	167,150	26,500	22,864	-	-
TOTAL.....	1,038,700	248,688	61,000	36,749	1,100	271

(1) LESS THAN 50 LBS.

MISSISSIPPI RIVER FISHERIES

Commercial landings of fish and shellfish from the waters of the Mississippi River and tributaries were 74.3 million pounds valued at \$16.5 million—increases of 5 percent in volume and 15 percent in value compared with 1976. Landings of fish (68.6 million pounds) was 7.0 million pounds more than in 1976 but landings of shellfish declined by 3.4 million pounds. Landings of buffalofish (22.4 million pounds) increased 1.4 million pounds; carp, (19.9 million) 1.2 million; and catfish and bullheads (13.4 million pounds) increased 2.5 million pounds. Crawfish declined by 3.9 million pounds.

Buffalofish, carp, catfish and bullheads, shad, sheepshead, suckers, crawfish, and mussel shells accounted for 92 percent of the volume and 90 percent of the value. The landings were made by 11,313 fishermen, using 9,654 motorboats and 201 other boats. This was a decrease of 400 fishermen and 1,188 motorboats but an increase of 7 other boats compared with 1976.

Wisconsin was the leading State in volume with 13.0 million pounds; followed by Louisiana, 10.1 million; Tennessee, 8.0 million; Arkansas, 7.5 million; and Minnesota, 7.4 million pounds.

Other information. This report contains summary tables on operating units and landings in the Mississippi River Fisheries. Complete statistics by State on operating units, landings of catch by gear, and landings by waters are on file in the Washington Office of the National Fishery Statistics Program.

Acknowledgments. The following organizations helped collect the data appearing in this section; Alabama Department of Conservation, Division of Game and Fish; Arkansas Game and Fish Commission, Division of Fisheries; Idaho Fish and Game Department; Illinois Department of Conservation, Division of Fisheries; Indiana Department of Conservation, Division of Fish and Game, Section of Fish Management; Iowa State Conservation Commission, Division of Fish and Game; Kansas Forestry, Fish and Game Commission, Fisheries Division; Kentucky Department of Fish and Wildlife Resources; Louisiana Section of Fisheries; Minnesota Department of Conservation, Division of Game and Fish, Section of Fisheries; Mississippi Game and Fish Commission; Missouri Conservation Commission; Montana Department of Wildlife Conservation, Division of Fisheries; Nebraska Game, Forestation and Parks Commission, Fishery Division; North Dakota Game and Fish Department, Fisheries Division; Oklahoma Department of Wildlife Conservation, Division of Fisheries; South Dakota Department of Game, Fish and Parks; Tennessee Game and Fish Commission, Fish Management Division; Texas Game and Fish Commission, Inland Fisheries; West Virginia Department of Natural Resources; Wisconsin Conservation Department, Fish Management Division; and the Tennessee Valley Authority; Fish and Game Branch.

MISSISSIPPI RIVER FISHERIES

SECTIONAL SUMMARIES
SUMMARY OF LANDINGS, 1977

STATE	FISH		SHELLFISH ET AL.		TOTAL	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
ALABAMA.....	1,782	505	30	8	1,812	511
ARKANSAS.....	7,241	2,290	241	35	7,482	2,325
IDAHO.....	329	45	-	-	329	45
ILLINOIS.....	3,474	697	-	-	3,474	697
INDIANA.....	39	12	-	-	39	12
IOWA.....	3,730	820	-	-	3,730	820
KANSAS.....	22	7	-	-	22	7
KENTUCKY.....	3,033	908	52	12	3,085	920
LOUISIANA.....	8,106	1,537	1,976	1,076	10,082	2,613
MINNESOTA.....	7,418	1,626	-	-	7,418	1,626
MISSISSIPPI.....	3,677	879	-	-	3,677	879
MISSOURI.....	970	203	-	-	970	203
MONTANA.....	674	76	-	-	674	76
NEBRASKA.....	134	45	-	-	134	45
NORTH DAKOTA.....	644	87	-	-	644	87
OKLAHOMA.....	806	189	2,054	958	2,860	1,147
SOUTH DAKOTA.....	2,840	314	-	-	2,840	314
TENNESSEE.....	6,686	1,779	1,273	297	7,959	2,076
TEXAS.....	3,978	921	3	1	3,981	922
WEST VIRGINIA.....	78	24	-	-	78	24
WISCONSIN.....	12,985	1,162	5	2	12,990	1,164
TOTAL.....	68,646	14,126	5,634	2,367	74,260	16,513

SUMMARY OF OPERATING UNITS, 1977

ITEM	ALABAMA	ARKANSAS	IDAHO	ILLINOIS	INDIANA	IOWA	KANSAS	KENTUCKY
	NUMBER							
FISHERMEN ON BOATS AND SHORE:								
FULL-TIME.....	102	238	3	53	-	140	-	101
PART-TIME.....	68	2,153	-	202	14	436	11	536
TOTAL.....	170	2,391	3	255	14	576	11	637
BOATS:								
MOTOR.....	172	2,391	3	207	14	489	11	599
OTHER.....	-	-	-	12	-	67	-	-
GEAR:								
HAUL SEINES, COMMON.....	-	-	6	13	-	39	1	-
WEIRS.....	-	-	-	-	-	1	-	-
FYKE AND HOOP NETS, FISH.....	-	4,040	-	4,140	42	4,371	61	760
POTS AND TRAPS:								
FISH.....	-	-	-	890	-	-	-	-
WIRE BASKETS.....	490	-	-	-	-	5,163	-	-
GILL NETS, ANCHOR, SET, OR STAKE.....	495	1,648	-	8	-	691	11	320
TRAMMEL NETS.....	73	1,750	-	144	30	695	-	500
LINES:								
LONG OR SET WITH HOOKS.....	1,200	1,238	-	225	28	3,271	9	1,975
SNAG.....	310	1,337	-	-	-	-	-	-
DIP NETS, COMMON.....	4	-	-	-	-	-	-	35
CROWFOOT BARS.....	-	25	-	-	-	-	-	12
DIVING OUTFITS.....	5	20	-	-	-	-	-	-

ITEM	LOUISIANA	MINNESOTA	MISSISSIPPI	MISSOURI	MONTANA	NEBRASKA	NORTH DAKOTA	OKLAHOMA
	NUMBER							
FISHERMEN ON BOATS AND SHORE:								
FULL-TIME.....	272	169	180	783	64	20	5	133
PART-TIME.....	896	452	881	1,158	1	160	5	18
TOTAL.....	1,168	621	1,061	1,941	65	180	10	151
BOATS:								
MOTOR.....	1,163	421	999	1,042	11	177	5	46
OTHER.....	-	45	2	31	-	3	-	-
GEAR:								
HAUL SEINES, COMMON.....	45	85	3	10	5	3	4	-
POUND NETS, FISH.....	-	-	-	-	23	-	-	-
FYKE AND HOOP NETS, FISH.....	26,972	2,610	4,800	2,540	-	375	30	-
POTS AND TRAPS:								
CRAWFISH.....	75,325	-	-	-	-	-	-	-
FISH.....	4,750	-	-	-	-	-	-	-
SHRIMP.....	215	-	-	-	-	-	-	-
TURTLE.....	65	-	-	-	-	-	-	-
WIRE BASKETS.....	-	-	-	-	-	234	-	-
GILL NETS, ANCHOR, SET, OR STAKE.....	-	480	1,015	57	2	-	2	358
TRAMMEL NETS.....	674	-	128	520	30	119	-	60
LINES:								
HAND.....	68	-	-	-	-	-	-	-
LONG OR SET WITH HOOKS.....	1,691	530	1,080	1,501	-	-	-	-
SNAG.....	-	-	174	-	-	-	-	-
DIP NETS, COMMON.....	173	-	-	-	-	-	-	-
FROG GRABS.....	123	-	-	-	-	-	-	-

(CONTINUED ON NEXT PAGE)

SUMMARY OF OPERATING UNITS, 1977 - Continued

ITEM	SOUTH DAKOTA	TENNESSEE	TEXAS	WEST VIRGINIA	WISCONSIN	TOTAL
	NUMBER					
FISHERMEN ON BOATS AND SHORE:						
FULL-TIME.....	9	347	100	-	125	2,844
PART-TIME.....	32	637	280	19	510	8,469
TOTAL	41	984	380	19	635	11,313
BOATS:						
MOTOR.....	12	984	330	19	559	9,654
OTHER	4	-	-	-	37	201
GEAR:						
HAUL SEINES, COMMON	7	-	-	-	50	271
OTTER TRAWLS, FISH	-	-	-	-	1	1
WEIRS	-	-	-	-	-	1
POUND NETS, FISH.....	-	-	-	-	-	23
TRAP NETS.....	-	-	-	-	7	7
FYKE AND HOOP NETS:						
FISH.....	600	2,040	360	190	430	54,361
TURTLE.....	-	120	-	-	-	120
POTS AND TRAPS:						
CRAWFISH	-	-	-	-	-	75,325
FISH.....	-	-	-	-	-	5,640
SHRIMP	-	-	-	-	-	215
TURTLE	-	-	-	-	-	65
WIRE BASKETS.....	-	250	-	-	-	6,137
SLAT TRAPS	-	-	-	-	800	800
GILL NETS, ANCHOR, SET, OR STAKE.....	110	245	1,802	-	100	7,324
TRAMMEL NETS	-	1,540	221	-	6	6,490
LINES:						
HAND.....	-	-	-	-	-	68
LONG OR SET WITH HOOKS	-	6,200	805	-	450	20,203
SNAG	-	750	-	-	-	2,571
DIP NETS, COMMON.....	-	-	-	-	-	212
CROWFOOT BARS.....	-	24	-	-	-	61
FROG GRABS.....	-	-	-	-	-	123
DIVING OUTFITS.....	-	32	-	-	-	57

LANDINGS BY STATES, 1977

SPECIES	ALABAMA		ARKANSAS		IDAHO		ILLINOIS	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
FISH								
BOWFIN	-	-	18	2	-	-	1	(1)
BUFFALOFISH	889	193	3,327	861	-	-	1,190	246
CARP.....	126	6	767	78	230	38	1,359	118
CATFISH AND BULLHEADS	678	298	2,252	1,216	-	-	545	276
CHUBS	-	-	-	-	75	2	-	-
EELS, COMMON	-	-	-	-	-	-	1	(1)
GARFISH.....	(1)	(1)	215	28	-	-	10	(1)
GIZZARD SHAD	3	(1)	-	-	-	-	-	-
MOONEYE OR GOLDEYE	-	-	-	-	-	-	11	1
PADDLEFISH.....	46	7	54	11	-	-	79	12
QUILLBACK.....	-	-	74	6	-	-	(1)	(1)
SHEEPSHEAD.....	40	1	455	69	-	-	240	34
STURGEON, SHOVELNOSE	-	-	-	-	-	-	32	10
SUCKERS.....	-	-	-	-	24	5	6	(1)
WHITE AMUR.....	-	-	79	19	-	-	-	-
TOTAL	1,782	505	7,241	2,290	329	45	3,474	697
SHELLFISH ET AL.								
MUSSEL SHELLS	30	6	231	33	-	-	-	-
TURTLES:								
SNAPPER.....	-	-	5	1	-	-	-	-
SOFTSHELL	-	-	5	1	-	-	-	-
TOTAL SHELLFISH ET AL.	30	6	241	35	-	-	-	-
GRAND TOTAL	1,812	511	7,482	2,325	329	45	3,474	697

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

MISSISSIPPI RIVER FISHERIES

LANDINGS BY STATES, 1977 - Continued

SPECIES	INDIANA		IOWA		KANSAS		KENTUCKY	
	THOUSAND	THOUSAND	THOUSAND	THOUSAND	THOUSAND	THOUSAND	THOUSAND	THOUSAND
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BUFFALOFISH	17	5	1,352	311	4	1	572	137
CARP	6	1	1,103	77	13	3	206	20
CATFISH AND BULLHEADS	12	6	687	345	5	3	1,465	698
GIZZARD SHAD	-	-	-	-	-	-	615	34
PADDLEFISH	(1)	(1)	75	14	(1)	(1)	97	14
QUILLBACK	-	-	16	1	(1)	(1)	8	1
SHEEPSHEAD	4	(1)	394	63	(1)	(1)	66	4
STURGEON, SHOVELFISH	-	-	15	5	(1)	(1)	2	(1)
SUCKERS	-	-	71	4	(1)	(1)	2	(1)
UNCLASSIFIED	-	-	17	(1)	-	-	-	-
TOTAL FISH	39	12	3,730	820	22	7	3,033	908
SHELLFISH ET AL.	-	-	-	-	-	-	-	-
MUSSEL SHELLS, TOTAL	-	-	-	-	-	-	52	12
GRAND TOTAL	39	12	3,730	820	22	7	3,085	920
SPECIES	LOUISIANA		MINNESOTA		MISSISSIPPI		MISSOURI	
	THOUSAND	THOUSAND	THOUSAND	THOUSAND	THOUSAND	THOUSAND	THOUSAND	THOUSAND
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BOWFIN	15	1	8	(1)	15	1	1	(1)
BUFFALOFISH	3,544	550	683	143	1,813	453	293	81
BURBOT	-	-	41	(1)	-	-	-	-
CARP	146	7	2,850	200	679	36	369	30
CATFISH AND BULLHEADS	2,060	736	1,840	286	952	363	176	96
CRAPPIE	-	-	1	1	-	-	-	-
EELS COMMON	-	-	-	-	-	-	(1)	(1)
GARFISH	209	36	1	(1)	60	7	13	1
GIZZARD SHAD	-	-	3	(1)	-	-	-	-
MOONEYE OR GOLDEYE	-	-	21	8	-	-	-	-
PADDLEFISH	18	2	-	-	66	7	21	4
PIKE OR PICKEREL	-	-	10	4	-	-	-	-
QUILLBACK	-	-	2	(1)	-	-	48	3
SHAD	1,102	52	-	-	-	-	-	-
SHEEPSHEAD	1,012	153	77	7	92	12	40	6
SMELT	-	-	417	21	-	-	-	-
STURGEON, SHOVELNOSE	-	-	(1)	(1)	-	-	7	2
SUCKERS	-	-	118	5	-	-	2	(1)
SUNFISH	-	-	1	(1)	-	-	-	-
TULLIBEE	-	-	3	(1)	-	-	-	-
WHITE BASS	-	-	9	3	-	-	-	-
WHITEFISH, COMMON	-	-	80	60	-	-	-	-
YELLOW PERCH	-	-	673	505	-	-	-	-
YELLOW PIKE (WALLEYE)	-	-	580	383	-	-	-	-
TOTAL FISH	8,106	1,537	7,418	1,626	3,677	879	970	203
SHELLFISH ET AL.	-	-	-	-	-	-	-	-
CRAWFISH	1,896	1,023	-	-	-	-	-	-
SHRIMP	9	6	-	-	-	-	-	-
TURTLES, SNAPPER	42	20	-	-	-	-	-	-
FROGS	29	27	-	-	-	-	-	-
TOTAL SHELLFISH ET AL.	1,976	1,076	-	-	-	-	-	-
GRAND TOTAL	10,082	2,613	7,418	1,626	3,677	879	970	203
SPECIES	MONTANA		NEBRASKA		NORTH DAKOTA		OKLAHOMA	
	THOUSAND	THOUSAND	THOUSAND	THOUSAND	THOUSAND	THOUSAND	THOUSAND	THOUSAND
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BUFFALOFISH	369	50	46	19	85	13	365	73
CARP	82	4	81	15	330	17	135	12
CATFISH AND BULLHEADS	-	-	18	10	112	14	135	81
GARFISH	-	-	-	-	-	-	40	1
MOONEYE OR GOLDEYE	211	21	-	-	91	41	-	-
PADDLEFISH	-	-	-	-	10	2	113	39
QUILLBACK	11	1	9	1	10	(1)	(1)	(1)
SHEEPSHEAD	-	-	-	-	2	(1)	17	3
SUCKERS	1	(1)	-	-	4	(1)	-	-
WHITE BASS	-	-	-	-	-	-	1	(1)
TOTAL FISH	674	76	134	45	644	87	806	189
SHELLFISH ET AL.	-	-	-	-	-	-	-	-
MUSSEL SHELLS, TOTAL	-	-	-	-	-	-	2,054	958
GRAND TOTAL	674	76	134	45	644	87	2,860	1,147

SEE FOOTNOTE AT END OF TABLE

(CONTINUED ON NEXT PAGE)

LANDINGS BY STATES, 1977 - Continued

SPECIES	SOUTH DAKOTA		TENNESSEE		TEXAS		WEST VIRGINIA	
	THOUSAND	THOUSAND	THOUSAND	THOUSAND	THOUSAND	THOUSAND	THOUSAND	THOUSAND
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BOWFIN	-	-	38	4	1	(1)	-	-
BROWN TROUT	-	-	301	66	-	-	-	-
BUFFALOFISH	742	126	2,928	835	2,932	645	16	3
CARP	1,680	101	1,096	56	409	29	18	1
CATFISH AND BULLHEADS	104	13	1,531	656	410	213	44	20
CRAPPIE	-	-	95	42	-	-	-	-
GARFISH	-	-	40	4	204	31	-	-
GIZZARD SHAD	-	-	2	(1)	-	-	-	-
MOONEYE OR GOLDEYE	80	50	-	-	-	-	-	-
PADDFISH	-	-	377	89	1	(1)	-	-
QUILLBACK	14	1	9	1	-	-	-	-
SHEEPSHEAD	168	5	250	22	19	3	-	-
SUCKERS	-	-	4	(1)	2	(1)	-	-
WHITE BASS	52	18	-	-	-	-	-	-
YELLOW BASS	-	-	15	4	-	-	-	-
TOTAL FISH	2,840	314	6,686	1,779	3,978	921	78	24
SHELLFISH ET AL.								
MUSSEL SHELLS	-	-	1,252	292	-	-	-	-
TURTLES:								
SLIDER	-	-	7	1	-	-	-	-
SNAPPER	-	-	14	4	3	1	-	-
TOTAL SHELLFISH ET AL..	-	-	1,273	297	3	1	-	-
GRAND TOTAL	2,840	314	7,959	2,076	3,981	922	78	24

SPECIES	WISCONSIN		TOTAL	
	THOUSAND	THOUSAND	THOUSAND	THOUSAND
	POUNDS	DOLLARS	POUNDS	DOLLARS
BOWFIN	6	(1)	103	8
BROWN TROUT	-	-	301	66
BUFFALOFISH	1,278	268	22,445	4,993
BURBOT	5	(1)	46	(1)
CARP	8,215	493	19,880	1,342
CATFISH AND BULLHEADS	373	149	13,399	5,459
CHUBS	-	-	75	2
CRAPPIE	-	-	96	43
EELS, COMMON	1	(1)	2	(1)
GARFISH	13	(1)	805	108
GIZZARD SHAD	2	(1)	625	34
MOONEYE OR GOLDEYE	3	(1)	417	121
PADDFISH	-	-	957	201
PIKE OR PICKEREL	-	-	10	4
QUILLBACK	69	4	270	19
SHAD	-	-	1,102	52
SHEEPSHEAD	1,881	188	4,757	570
SMELT	-	-	417	21
STURGEON, SHOVELNOSE	2	1	58	18
SUCKERS	1,126	56	1,360	70
SUNFISH	-	-	1	(1)
TULLIBEE	-	-	3	(1)
WHITE AMUR	-	-	79	19
WHITE BASS	-	-	62	21
WHITEFISH, COMMON	-	-	80	60
WHITE PERCH	11	3	11	3
YELLOW BASS	-	-	15	4
YELLOW PERCH	-	-	673	505
YELLOW PIKE (WALLEYE)	-	-	580	383
UNCLASSIFIED	(1)	(1)	17	(1)
TOTAL FISH	12,985	1,162	68,646	14,126
SHELLFISH ET AL.				
CRAWFISH	-	-	1,896	1,023
SHRIMP	-	-	9	6
MUSSEL SHELLS	-	-	3,619	1,301
TURTLES:				
SLIDER	-	-	7	1
SNAPPER	5	2	69	28
SOFT-SHELL	-	-	5	1
FROGS	-	-	29	27
TOTAL SHELLFISH ET AL..	5	2	5,634	2,387
GRAND TOTAL	12,990	1,164	74,280	16,513

(1) LESS THAN 500 POUNDS OR \$500.

NOTE.—DATA HAS BEEN ESTIMATED FOR SOME INLAND STATES.

MISSISSIPPI RIVER FISHERIES

SUMMARY OF LANDINGS FROM MAJOR WATERS OF CERTAIN INLAND DRAINAGE AREAS, 1977

SPECIES	MISSISSIPPI RIVER DRAINAGE AREA					
	MISSISSIPPI RIVER PROPER		ATCHAFALAYA RIVER DRAINAGE AREA		RED RIVER DRAINAGE AREA	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
BOWFIN	8	(1)	11	1	1	(1)
BUFFALOFISHES	3,140	620	836	129	1,119	174
CARP	4,496	310	60	4	44	2
CATFISHES AND BULLHEADS	2,161	979	632	228	480	173
EELS, COMMON	2	(1)	-	-	-	-
GARFISH	51	5	94	16	63	11
MOONEYE OR GOLDEYE	13	1	-	-	-	-
PADDLEFISH	158	27	3	(1)	6	1
QUILLBACK	55	3	-	-	-	-
SHAD	330	16	654	30	118	6
SHEEPSHEAD	1,404	178	346	52	248	37
STURGEON, SHOVELNOSE	54	17	-	-	-	-
SUCKERS	89	4	-	-	-	-
UNCLASSIFIED	17	(1)	-	-	-	-
CRAWFISH	99	52	1,311	708	-	-
SHRIMP	7	5	2	1	-	-
TURTLES, SNAPPER	10	4	7	3	9	4
FROGS	6	6	21	20	2	1
TOTAL	12,100	2,227	3,977	1,192	2,090	409

SPECIES	MISSISSIPPI RIVER DRAINAGE AREA - CONTINUED					
	RED RIVER DRAINAGE AREA - CONTINUED		ARKANSAS RIVER DRAINAGE AREA		MISSOURI RIVER DRAINAGE AREA	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
BOWFIN	6	1	14	1	(1)	(1)
BUFFALOFISHES	1,916	373	2,235	531	1,136	216
CARP	161	12	398	31	1,912	130
CATFISH AND BULLHEADS	983	437	1,531	833	311	80
EELS, COMMON	-	-	-	-	(1)	(1)
GARFISH	239	36	222	26	6	(1)
MOONEYE OR GOLDEYE	-	-	-	-	171	91
PADDLEFISH	13	1	134	44	28	5
QUILLBACK	3	(1)	69	5	51	3
SHEEPSHEAD	240	36	352	57	19	3
STURGEON, SHOVELNOSE	-	-	-	-	2	(1)
SUCKERS	2	(1)	-	-	11	1
WHITE AMUR	8	2	62	16	-	-
WHITE BASS	-	-	1	(1)	2	(1)
UNCLASSIFIED	-	-	-	-	(1)	(1)
CRAWFISH	486	263	-	-	-	-
MUSSEL SHELLS	-	-	2,150	972	-	-
TURTLES:						
SNAPPER	23	11	3	1	-	-
SOFT SHELL	-	-	5	1	-	-
FROGS	(1)	(1)	-	-	-	-
TOTAL	4,080	1,172	7,176	2,518	3,647	529

SPECIES	MISSISSIPPI RIVER DRAINAGE AREA - CONTINUED					
	OHIO RIVER DRAINAGE AREA					
	OHIO RIVER PROPER		TENNESSEE RIVER DRAINAGE AREA		CUMBERLAND RIVER DRAINAGE AREA	
THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	
BOWFIN	(1)	(1)	1	(1)	-	-
BROWN TROUT	-	-	-	-	301	66
BUFFALOFISHES	219	53	3,588	961	206	48
CARP	100	10	970	49	135	11
CATFISHES AND BULLHEADS	254	122	2,700	1,212	394	187
GARFISH	(1)	(1)	3	(1)	-	-
GIZZARD SHAD	-	-	195	11	425	23
PADDLEFISH	23	4	351	70	127	33
QUILLBACK	6	1	(1)	(1)	-	-
SHEEPSHEAD	46	4	104	6	19	3
STURGEON, SHOVELNOSE	2	(1)	-	-	-	-
SUCKERS	(1)	(1)	4	1	1	(1)
MUSSEL SHELLS	-	-	1,286	299	48	11
TURTLES, SNAPPER	-	-	3	1	-	-
TOTAL	650	194	9,205	2,610	1,656	382

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SUMMARY OF LANDINGS FROM MAJOR WATERS OF CERTAIN INLAND DRAINAGE AREAS, 1977 - Continued

SPECIES	MISSISSIPPI RIVER DRAINAGE AREA - CONTINUED					
	OHIO RIVER DRAINAGE AREA - CONTINUED				ILLINOIS RIVER DRAINAGE AREA	
	WABASH RIVER DRAINAGE AREA		UNCLASSIFIED			
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
BOWFIN	-	-	-	-	(1)	(1)
BUFFALOFISH	14	3	150	36	446	99
CARP	23	4	53	5	186	23
CATFISHES AND BULLHEADS	25	13	97	46	49	22
EELS, COMMON	(1)	(1)	-	-	(1)	(1)
GARFISH	-	-	-	-	(1)	(1)
MOONEYE OR GOLDEYE	-	-	-	-	(1)	(1)
PADDFISH	1	(1)	2	(1)	6	(1)
QUILLBACK	-	-	2	(1)	-	-
SHEEPSHEAD	3	1	8	1	19	7
STURGEON, SHOVELNOSE	1	(1)	-	-	-	-
SUCKERS	1	(1)	(1)	(1)	(1)	(1)
TOTAL	68	21	312	88	706	151

SPECIES	MISSISSIPPI RIVER DRAINAGE AREA - CONTINUED				NORTHERN DRAINAGE AREA	
	ST. CROIX RIVER DRAINAGE AREA		UNCLASSIFIED		RED RIVER OF THE NORTH DRAINAGE AREA, RED LAKE	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
BOWFIN	-	-	81	5	1	(1)
BUFFALOFISHES	1	(1)	5,137	1,244	5	1
BURBOT	-	-	7	(1)	1	(1)
CARP	146	10	9,339	601	181	11
CATFISH AND BULLHEADS	21	4	3,324	1,080	402	58
CRAPPIE	-	-	96	42	1	1
GARFISH	-	-	112	12	-	-
GIZZARD SHAD	-	-	5	(1)	-	-
MOONEYE OR GOLDEYE	-	-	212	22	21	7
PADDFISH	-	-	107	16	-	-
PIKE OR PICKEREL	-	-	-	-	10	4
QUILLBACK	-	-	83	7	-	-
SHEEPSHEAD	-	-	581	52	68	2
SUCKERS	5	(1)	74	2	19	1
SUNFISH	-	-	1	(1)	-	-
TULLIBEE	-	-	(1)	(1)	-	-
WHITE AMUR	-	-	9	1	-	-
WHITE BASS	-	-	59	21	-	-
WHITEFISH, COMMON	-	-	-	-	80	60
YELLOW BASS	-	-	15	4	-	-
YELLOW PERCH	(1)	(1)	3	3	670	502
YELLOW PIKE (WALLEYE)	-	-	-	-	580	383
MUSSEL SHELLS	-	-	135	19	-	-
TURTLES:						
SLIDER	-	-	7	1	-	-
SNAPPER	-	-	11	3	-	-
TOTAL	173	14	19,377	3,115	2,039	1,030

SPECIES	NORTHERN DRAINAGE AREA - CONTINUED		GULF OF MEXICO DRAINAGE AREA		PACIFIC OCEAN DRAINAGE AREA	
	UNCLASSIFIED					
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
BUFFALOFISH	-	-	2,297	505	-	-
BURBOT	38	(1)	-	-	-	-
CARP	1,092	66	354	25	230	38
CATFISH AND BULLHEADS	35	5	-	-	-	-
CHUBS	-	-	-	-	75	2
GARFISH	-	-	15	2	-	-
QUILLBACK	1	(1)	-	-	-	-
SHEEPSHEAD	1,284	128	16	3	-	-
SMELT	417	21	-	-	-	-
SUCKERS	1,129	56	1	(1)	24	5
TULLIBEE	3	(1)	-	-	-	-
WHITEFISH, COMMON	(1)	(1)	-	-	-	-
WHITE PERCH	11	3	-	-	-	-
TURTLES, SNAPPER	-	-	3	1	-	-
TOTAL	4,010	279	2,686	536	329	45

(1) LESS THAN 500 POUNDS OR \$500.

MISSISSIPPI RIVER FISHERIES

GREAT LAKES AND MISSISSIPPI RIVER LANDINGS, BY STATES, 1977

STATE	GREAT LAKES		MISSISSIPPI RIVER AND TRIBUTARIES		TOTAL	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ALABAMA.....	-	-	1,812	511	1,812	511
ARKANSAS.....	-	-	7,482	2,325	7,482	2,325
IDAHO.....	-	-	329	45	329	45
ILLINOIS.....	222	177	3,474	697	3,696	874
INDIANA.....	163	106	39	12	202	118
IOWA.....	-	-	3,730	820	3,730	820
KANSAS.....	-	-	22	7	22	7
KENTUCKY.....	-	-	3,085	920	3,085	920
LOUISIANA.....	-	-	10,082	2,613	10,082	2,613
MICHIGAN.....	11,576	3,233	-	-	11,576	3,233
MINNESOTA.....	3,013	450	7,418	1,626	10,431	2,076
MISSISSIPPI.....	-	-	3,677	879	3,677	879
MISSOURI.....	-	-	970	203	970	203
MONTANA.....	-	-	674	76	674	76
NEBRASKA.....	-	-	134	45	134	45
NEW YORK.....	478	211	-	-	478	211
NORTH DAKOTA.....	-	-	644	87	644	87
OHIO.....	8,533	2,371	-	-	8,533	2,371
OKLAHOMA.....	-	-	2,860	1,147	2,860	1,147
PENNSYLVANIA.....	407	246	-	-	407	246
SOUTH DAKOTA.....	-	-	2,840	314	2,840	314
TENNESSEE.....	-	-	7,959	2,076	7,959	2,076
TEXAS.....	-	-	3,981	922	3,981	922
WEST VIRGINIA.....	-	-	78	24	78	24
WISCONSIN.....	48,645	3,478	12,990	1,164	61,635	4,642
TOTAL.....	73,037	10,272	74,280	16,513	147,317	26,785

NOTE:—INCLUDES LANDINGS IN THE INTERNATIONAL LAKES OF NORTHERN MINNESOTA

GREAT LAKES AND MISSISSIPPI RIVER LANDINGS, BY SPECIES, 1977

SPECIES	GREAT LAKES		MISSISSIPPI RIVER AND TRIBUTARIES		TOTAL	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
	ALEWIVES.....	48,405	761	-	-	48,405	761
BOWFIN.....	2	(1)	103	8	105	8
BROWN TROUT.....	(1)	(1)	301	66	301	66
BUFFALOFISH.....	75	23	22,445	4,993	22,520	5,016
BURBOT.....	342	7	46	(1)	388	7
CARP.....	4,424	250	19,880	1,342	24,304	1,592
CATFISH AND BULLHEADS.....	967	395	13,399	5,459	14,366	5,854
CHUBS.....	1,364	826	75	2	1,439	828
CRAPPIE.....	29	18	96	43	125	61
EELS, COMMON.....	-	-	2	(1)	2	(1)
GARFISH.....	-	-	805	108	805	108
GIZZARD SHAD.....	507	8	625	34	1,132	42
GOLDFISH.....	551	22	-	-	551	22
LAKE HERRING.....	323	95	-	-	323	95
LAKE TROUT.....	356	240	-	-	356	240
MINNOWS.....	12	20	-	-	12	20
MOONEYE OR GOLDEYE.....	-	-	417	121	417	121
PADDLEFISH.....	-	-	957	201	957	201
PIKE OR PICKEREL.....	124	34	10	4	134	38
QUILLBACK.....	111	6	270	19	381	25
ROCK BASS.....	12	3	-	-	12	3
SHAD.....	-	-	1,102	52	1,102	52
SALMON, COHO.....	1	1	-	-	1	1
SAUGER.....	26	7	-	-	26	7
SHEEPSHEAD.....	842	24	4,757	570	5,599	594
SMELT.....	2,870	162	417	21	3,287	183
STURGEON, SHOVELNOSE.....	-	-	58	18	58	18
SUCKERS.....	713	33	1,360	70	2,073	103
SUNFISH.....	9	3	1	(1)	10	3
TULLIBEE.....	401	32	3	(1)	404	32
WHITE AMUR.....	-	-	79	19	79	19
WHITE BASS.....	1,124	644	62	21	1,186	665
WHITEFISH:						
COMMON.....	4,758	3,813	80	60	4,838	3,873
MENOMINEE.....	137	47	-	-	137	47
WHITE PERCH.....	68	23	11	3	79	26
YELLOW BASS.....	-	-	15	4	15	4
YELLOW PERCH.....	4,150	2,528	673	505	4,823	3,033
YELLOW PIKE (WALLEYE).....	334	247	580	383	914	630
UNCLASSIFIED.....	-	-	17	(1)	17	(1)
TOTAL FISH.....	73,037	10,272	68,646	14,126	141,683	24,398
SHELLFISH ET AL.						
CRAWFISH.....	-	-	1,896	1,023	1,896	1,023
SHRIMP.....	-	-	9	6	9	6
MUSSEL SHELLS.....	-	-	3,619	1,301	3,619	1,301
TURTLES:						
SLIDER.....	-	-	7	1	7	1
SNAPPER.....	-	-	69	28	69	28
SOFT SHELL.....	-	-	5	1	5	1
FROGS.....	-	-	29	27	29	27
TOTAL SHELLFISH.....	-	-	5,634	2,387	5,634	2,387
GRAND TOTAL.....	73,037	10,272	74,280	16,513	147,317	26,785

(1) LESS THAN \$500.

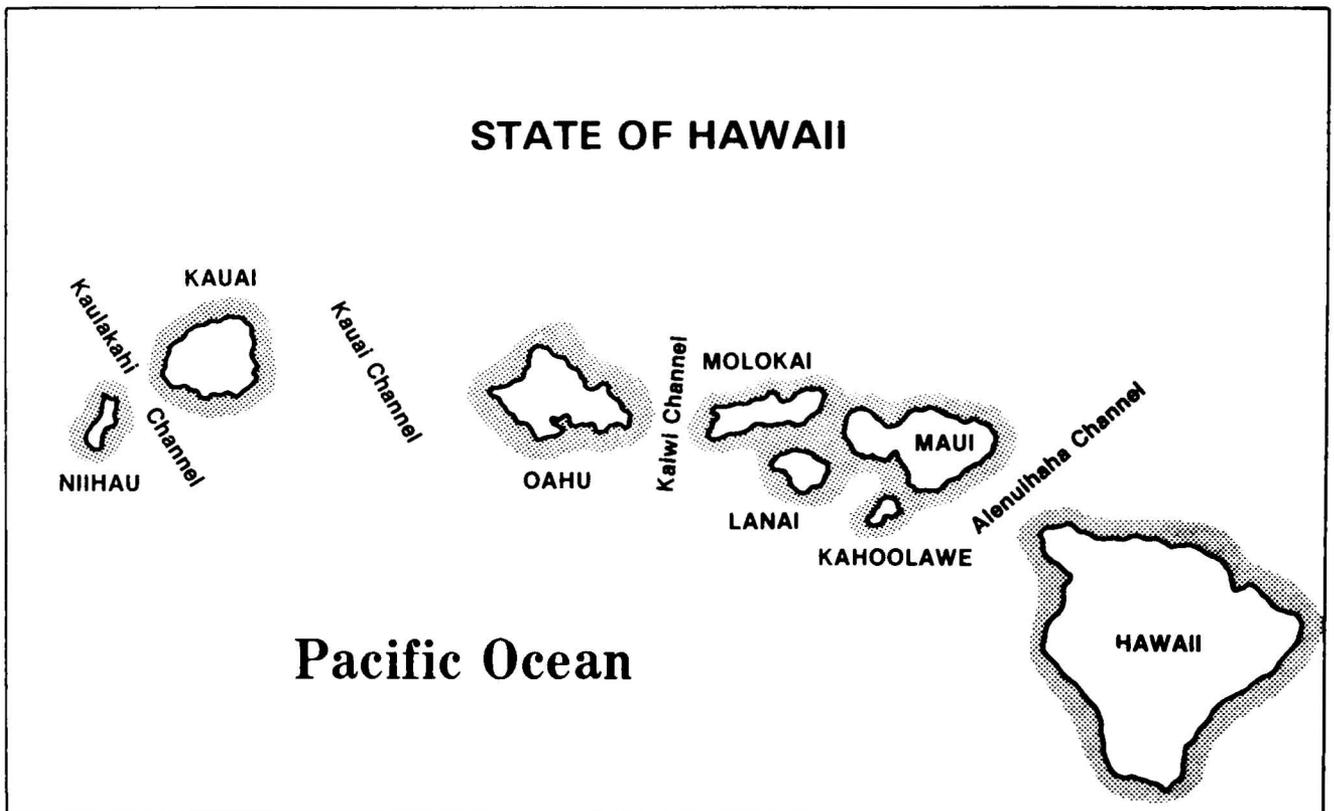
SECTION 10

HAWAII FISHERIES

Commercial landings of fish and shellfish in the State of Hawaii were 13.3 million pounds worth \$10.2 million—a decrease of 1.5 million pounds (10 percent) in quantity, but an increase of \$1.3 million (15 percent) in value compared with 1976. A sharp decrease in landings of skipjack tuna was the principal reason for the decrease in volume. Skipjack landings of 7.7 million pounds were down 2.1 million pounds (21 percent) from 1976. Landings of little tuna decreased slightly, but landings of albacore, bigeye, bluefin, and yellowfin tuna showed increases over 1976.

Fish and shellfish were landed at six of the eight principal islands in the State of Hawaii. Oahu led the islands with production of 9.6 million pounds. Hawaii was second with 2.4 million pounds, followed by Maui with 881,000 pounds. The rest of the landings were made at Kauai, Molokai, and Lanai.

Acknowledgments. The data in this section were assembled and prepared for publication by NMFS area office, Honolulu, Hawaii, largely from information collected by the Hawaii Department of Land and Natural Resources, Division of Fish and Game.



SECTIONAL SUMMARIES SUMMARY OF LANDINGS, 1977

ISLAND	FISH		SHELLFISH ET AL.		TOTAL	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
	HAWAII.....	2,433	2,318	6	19	2,439	2,337
MOLOKAI.....	20	19	2	5	22	24
OAHU.....	9,394	6,696	213	372	9,607	7,068
KAUAI.....	314	277	5	11	319	288
MAUI.....	867	409	14	40	881	449
LANAI.....	18	12	1	1	19	13
TOTAL.....	13,046	9,732	241	448	13,288	10,180

NOTE:—TABLE MAY NOT ADD BECAUSE OF ROUNDING.

SUMMARY OF OPERATING UNITS. THERE WERE 401 FULL-TIME FISHERMEN OPERATING 101 VESSELS; AND 937 FULL-TIME AND 1,337 PART-TIME FISHERMEN OPERATING 1,336 MOTOR BOATS. DATA ARE NOT AVAILABLE ON OPERATING UNITS BY ISLAND AND ON THE NUMBER OF GEAR USED IN THE HAWAII FISHERIES. THERE WERE 37 FISHERY WHOLESALE AND PROCESSING ESTABLISHMENTS IN THE STATE OF HAWAII IN 1977.

HAWAII - LANDINGS BY SPECIES, 1977

SPECIES		TOTAL	
ENGLISH	HAWAIIAN	POUNDS	DOLLARS
OCEAN CATCH:			
AMBERJACK.....	KAHALA.....	51,921	34,862
ANCHOVY.....	NEHU.....	11	14
BARRACUDA.....	KAKU.....	2,924	1,814
BARRACUDA, JAPANESE.....	KAWELEA.....	6,171	4,883
BIGEYE SCAD.....	AKULE.....	672,223	541,441
BONEFISH.....	OIO.....	18,686	11,457
CREVALLE:			
BLUE.....	OMAKA.....	2,792	4,044
JACK.....	OMILU.....	1,445	1,537
DAMSELFISH.....	ULUA.....	71,436	73,558
DOLPHINFISH.....	MAOMAO.....	2,531	2,367
EELS:	MAHIMAHI.....	125,042	223,943
CONGER.....	PUHI.....	845	312
MORAY.....	PUHI.....	5,821	1,993
GOATFISHES:	KUMU.....	12,778	32,244
MACKEREL SCAD.....	MALU.....	1,211	1,674
MARLIN:	MOANO.....	8,160	11,992
BLUE.....	MOELUA.....	16,543	20,194
SAILFISH.....	WEKE.....	51,006	37,464
SHORTBILL.....	WEKE-ULA.....	23,488	31,792
BLACK.....	OPELU.....	382,184	347,465
STRIPED.....			
UNCLASSIFIED.....	A'U.....	273,485	109,530
MILKFISH.....	A'U LEPE.....	1,179	1,001
MOUNTAIN BASS.....	A'U.....	9,896	6,377
MULLET.....	A'U.....	5,493	2,556
PARROTFISH.....	A'U.....	83,136	97,219
RED BIGEYE.....	A'U.....	138	62
RUDDERFISH.....	AWA.....	5,897	3,944
RUNNER.....	AHOLEHOLE.....	4,060	5,382
SARDINE.....	AMAAMA.....	14,562	28,128
SEA BASS, BLACK.....	UHU.....	11,533	7,685
SNAPPERS:	AWEOWEO.....	6,232	6,211
BLUE LINE.....	NENUE.....	7,128	3,756
GRAY.....	LAE.....	436	297
	MIKIWA.....	103	34
	HAPUUPUU.....	47,201	60,512
	TAAPE.....	33,362	19,625
	UKU.....	70,049	99,712

(CONTINUED ON NEXT PAGE)

HAWAII FISHERIES

HAWAII - LANDINGS BY SPECIES, 1977 - Continued

SPECIES		TOTAL	
ENGLISH	HAWAIIAN	POUNDS	DOLLARS
OCEAN CATCH -			
CONTINUED:			
FISH - CONTINUED			
SNAPPERS - CONTD:			
PINK	KALIKALI	8,815	9,744
PINK	OPAKAPAKA	143,325	226,790
RED	ULAULA OR EHU	30,801	61,639
RED	ULAULA KOAE	65,992	165,359
SPOT	A'AWA	2,192	659
SQUIRRELFISH	UU	44,191	67,158
SURGEONFISH:	KALA	20,214	5,731
	MAIKO	766	504
	PALANI	24,542	10,583
	PUALU	8,497	3,688
	A'U	41,235	67,937
SWORDFISH, BROADBILL			
TANG:			
CONVICT	MANINI	9,666	11,198
ORANGE SPOT	NAENAE	2,056	839
TENPOUNDER	AWAAWA	2,136	1,440
THREADFIN, PACIFIC	MOI	2,155	4,120
TILAPIA		196	103
TRIGGERFISH	HUMUHUMU	1,120	446
TUNA:			
ALBACORE	AHIPALAHA	79,280	72,909
BIGEYE	AHI	530,100	1,099,454
BLUEFIN	AHI	15,058	22,361
LITTLE	KAWAKAWA	75,292	29,000
SKIPJACK	AKU	7,718,636	3,707,477
YELLOWFIN	AHI	1,930,242	2,038,281
UNCLASSIFIED		170	100
TOTAL TUNA		10,348,778	6,969,582
WAHOO	ONO	189,485	204,014
UNCLASSIFIED FISH		51,677	58,876
TOTAL FISH		13,026,747	9,707,491
SHELLFISH ET AL.			
CRABS:			
	KONA	24,724	63,983
	KUAHONU	20,999	38,115
	MOALA	1,096	971
	PAPAI	1,937	1,121
	SAMOAN	210	498
	OPIHI	2,974	30,980
LIMPET (1)			
LOBSTER:			
SLIPPER	ULAPAPAPA	98	258
SPINY	ULA	64,441	189,227
OCTOPUS	HEE	18,231	26,843
SEA URCHINS	WANA	582	935
SEAWEED	LIMU	90,962	59,018
SHRIMP	OPAE	8,232	27,697
SQUID	MUHEE	5,353	6,109
TREPANG (SEA CUCUMBER)	LOLI	43	105
UNCLASSIFIED SHELLFISH		1,218	1,182
TOTAL SHELLFISH ET AL.		241,100	448,002
TOTAL OCEAN CATCH		13,267,847	10,155,493
POND CATCH: (2)			
FISH			
BARRACUDA	KAKU	387	554
BARRACUDA, JAPANESE	KAWELEA	2	1
BONEFISH	OIO	4,840	3,333
CREVALLE, JACK	ULUA	726	992
MILKFISH	AWA	97	76
MOUNTAIN BASS	AHOLEHOLE	1,519	1,851
MULLET	AMAAMA	5,899	11,397
SNAPPER, BLUE LINE	TAAPE	121	76
SURGEONFISH	PUALU	575	199
TENPOUNDER	AWAAWA	807	444
TILAPIA		3,465	4,413
UNCLASSIFIED FISH		1,254	996
TOTAL FISH		19,692	24,332

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

HAWAII - LANDINGS BY SPECIES, 1977 - Continued

SPECIES		TOTAL	
ENGLISH	HAWAIIAN	POUNDS	DOLLARS
POND CATCH - CONTD.: SHELLFISH			
CRABS:	KUAHONU	53	113
	MOALA	14	7
	PAPAI	228	139
	SAMOAN	35	116
TOTAL SHELLFISH		330	375
TOTAL POND CATCH		20,022	24,707
GRAND TOTAL		13,287,869	10,180,200

(1) THE WEIGHT OF MEAT FOR LIMPETS IS BASED ON A YIELD OF 20 PERCENT. (2) SALTWATER.
 NOTE:—LANDINGS OF FISH, CRUSTACEANS, AND SUCH MOLLUSKS AS OCTOPUS AND SQUID ARE SHOWN IN ROUND (LIVE) WEIGHT.

HAWAII - LANDINGS BY ISLANDS, 1977

SPECIES		HAWAII		MOLOKAI		OAHU	
ENGLISH	HAWAIIAN	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
OCEAN CATCH: FISH							
AMBERJACK	KAHALA	23,408	14,587	-	-	22,105	16,278
ANCHOVY	NEHU	11	14	-	-	-	-
BARRACUDA	KAKU	1,022	499	115	178	1,023	582
BARRACUDA, JAPANESE	KAWELEA	4,237	3,800	4	2	719	436
BIGEYE SCAD	AKULE	39,427	38,948	1,853	2,089	491,103	412,743
BONEFISH	OIO	759	428	438	238	13,838	8,863
CREVALLE:	OMAKA	-	-	-	-	2,792	4,044
BLUE	OMILU	70	81	-	-	1,128	1,155
JACK	ULUA	18,408	14,992	1,796	2,270	36,247	40,265
DAMSELFISH	MAOMAO	59	69	3	2	1,965	1,852
DOLPHINFISH	MAHIMAHI	31,910	45,159	261	407	78,496	158,061
EELS:							
CONGER	PUHI	12	11	-	-	833	301
MORAY	PUHI	100	70	-	-	5,709	1,919
GOATFISHES:	KUMU	1,518	3,832	622	1,151	8,487	22,961
MALU	MALU	18	21	-	-	1,193	1,653
MOANO	MOANO	3,258	5,380	23	32	4,556	6,285
MOELUA	MOELUA	-	-	-	-	205	507
WEKE	WEKE	1,796	2,712	4,360	2,859	35,652	23,776
WEKE-ULA	WEKE-ULA	5,002	7,435	475	449	14,425	19,644
MACKEREL, SCAD ...	OPELU	349,111	316,909	150	75	11,815	15,331
MARLIN:							
BLUE	A'U	177,268	44,560	236	236	88,114	60,613
SAILFISH	A'U LEPE	648	376	-	-	531	625
SHORTBILL	A'U	2,362	959	-	-	7,447	5,331
BLACK	A'U	4,229	1,425	-	-	1,264	1,131
STRIPED	A'U	15,261	9,660	74	93	66,990	86,915
UNCLASSIFIED	A'U	68	34	-	-	70	28
MILKFISH	AWA	1,462	817	256	120	1,537	1,256
MOUNTAIN BASS	AHOLEHOLE	282	551	279	309	1,806	2,383
MULLET	AMAAMA	486	833	693	1,290	11,715	23,201
PARROTFISH	UHU	2,392	1,745	581	284	4,400	3,294
RED BIGEYE	AWEOWEO	4,533	4,517	178	114	1,112	1,218
RUDDERFISH	NENUUE	720	387	473	165	1,713	751
RUNNER	LAE	156	135	15	1	48	28
SARDINE	MIKIAWA	-	-	-	-	103	34
SEA BASS, BLACK...	HAPUUPUU	5,961	6,748	-	-	35,901	48,922
SNAPPERS:							
BLUE LINE	TAAPE	7,840	4,765	286	105	15,727	9,341
GRAY	UKU	13,007	16,972	-	-	38,048	59,704
PINK	KALIKALI	3,663	4,814	20	20	2,457	4,229
PINK	OPAKAPAKA	35,543	52,150	573	812	65,932	122,699
RED	ULAULA OR EHU	8,046	14,350	2	1	18,629	42,466
RED	ULAULA KOAE	12,169	20,748	-	-	50,185	138,474
SPOT	A'AWA	1,351	327	15	2	655	267
SQUIRRELFISH	UU	20,071	30,058	753	1,008	8,421	14,621
SURGEONFISH:							
KALA	KALA	620	211	2,180	688	15,444	3,861
MAIKO	MAIKO	629	457	14	3	123	44
PALANI	PALANI	857	209	209	62	22,485	9,777
PUALU	PUALU	144	41	315	66	8,038	3,581

(CONTINUED ON NEXT PAGE)

HAWAII FISHERIES

HAWAII - LANDINGS BY ISLANDS, 1977 - Continued

SPECIES		HAWAII		MOLOKAI		OAHU	
ENGLISH	HAWAIIAN	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
OCEAN CATCH:							
CONTD: FISH - CONTINUED							
SWORDFISH:							
BROADBILL.....	A'U.....	5,004	4,075	-	-	36,231	63,862
TANG:							
CONVICT.....	MANINI.....	2,344	2,924	917	956	2,962	3,250
ORANGE SPOT.....	NAENAE.....	332	190	-	-	1,724	649
TENPOUNDER.....	AWAAWA.....	-	-	45	20	2,077	1,412
THREADFIN.....	MOI.....	268	579	157	310	255	632
TILAPIA.....	-	124	83	-	-	-	-
TRIGGERFISH.....	HUMUHUMU.....	582	117	-	-	471	323
TUNA:							
ALBACORE.....	AHIPALAHA.....	31,234	19,527	-	-	48,043	53,379
BIGEYE.....	AHI.....	55,241	106,944	-	-	474,859	992,510
BLUEFIN.....	AHI.....	14,681	21,514	-	-	377	847
LITTLE.....	KAWAKAWA.....	4,798	2,894	637	659	56,079	16,198
SKIPJACK.....	AKU.....	33,120	24,448	377	338	6,990,323	3,467,129
YELLOWFIN.....	AHI.....	1,351,717	1,329,836	10	32	512,390	635,806
UNCLASSIFIED.....	-	72	20	-	-	6	2
TOTAL TUNA.....	-	1,490,863	1,505,183	1,024	1,029	8,082,077	5,165,871
WAHOO.....	ONO.....	108,428	104,748	622	953	34,697	37,807
UNCLASSIFIED FISH.....	-	19,971	20,054	515	350	17,504	23,944
TOTAL FISH.....	-	2,427,810	2,310,749	20,532	18,749	9,379,184	6,879,200
SHELLFISH ET AL.							
CRABS:							
KONA.....	-	561	1,212	867	1,815	19,790	53,838
KUAHONU.....	-	-	-	-	-	19,999	38,128
MOALA.....	-	-	-	-	-	1,094	969
PAPAI.....	-	34	44	-	-	1,895	1,070
SAMOAN.....	-	-	-	-	-	33	88
LIMPET (1).....	OPIHI.....	1,347	12,421	169	1,723	-	-
LOBSTERS:							
SLIPPER.....	ULAPAPA.....	-	-	-	-	98	258
SPINY.....	ULA.....	141	398	224	586	61,407	181,130
OCTOPUS.....	HEE.....	214	295	358	657	9,994	14,086
SEA URCHINS.....	WANA.....	-	-	-	-	582	935
SEAWEED.....	LIMU.....	221	535	-	-	90,545	58,018
SHRIMP.....	OPAE.....	-	-	-	-	7,316	23,144
SQUID.....	MUHEE.....	3,358	3,576	40	50	163	247
TREPANG (SEA CUCUMBERS).....	LOLI.....	27	85	-	-	-	-
UNCLASSIFIED SHELLFISH.....	-	-	-	268	402	-	-
TOTAL SHELLFISH ET AL.....	-	5,903	18,566	1,926	5,233	212,916	371,909
TOTAL OCEAN CATCH.....	-	2,433,713	2,329,315	22,458	23,982	9,592,100	7,051,109
POND CATCH: (2) FISH							
BARRACUDA.....	KAKU.....	-	-	-	-	387	554
BARRACUDA, JAPANESE.....	KAWELEA.....	-	-	-	-	2	1
BONEFISH.....	OIO.....	-	-	-	-	4,840	3,333
CREVALLE, JACK.....	ULUA.....	-	-	-	-	726	992
MILKFISH.....	AWA.....	-	-	-	-	97	76
MOUNTAIN BASS.....	AHOLEHOLE.....	-	-	-	-	1,519	1,851
MULLET.....	AMAAMA.....	1,443	2,684	-	-	4,456	8,713
SNAPPER, BLUE LINE.....	TAAPE.....	-	-	-	-	121	76
SURGEONFISH.....	PUALU.....	-	-	-	-	575	199
TENPOUNDER.....	AWAAWA.....	-	-	-	-	807	444
TILAPIA.....	-	3,465	4,413	-	-	-	-
UNCLASSIFIED FISH.....	-	-	-	-	-	1,254	996
TOTAL FISH.....	-	4,908	7,097	-	-	14,784	17,235
SHELLFISH							
CRABS:							
KUAHONU.....	-	-	-	-	-	53	113
MOALA.....	-	-	-	-	-	14	7
PAPAI.....	-	-	-	-	-	228	139
SAMOAN.....	-	-	-	-	-	35	116
TOTAL SHELLFISH.....	-	-	-	-	-	330	375
TOTAL POND CATCH.....	-	4,908	7,097	-	-	15,114	17,610
GRAND TOTAL.....	-	2,438,621	2,336,412	22,458	23,982	9,607,214	7,068,719

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

HAWAII - LANDINGS BY ISLANDS, 1977 - Continued

SPECIES		KAUAI		MAUI		LANAI	
ENGLISH	HAWAIIAN	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
OCEAN CATCH:							
FISH							
AMBERJACK	KAHALA	6,147	3,846	261	151	-	-
BARRACUDA	KAKU	359	250	352	272	53	33
BARRACUDA, JAPANESE	KAWELEA	87	41	1,124	604	-	-
BIGEYE SCAD	AKULE	90,390	50,460	48,524	36,412	926	789
BONEFISH	OIO	3,242	1,711	390	211	19	6
CREVALLE:							
BLUE	OMILU	16	13	231	288	-	-
JACK	ULUA	7,728	7,055	7,079	8,798	178	178
DAMSELFISH	MAOMAO	4	5	500	441	-	-
DOLPHINFISH	MAHIMAHI	6,495	8,165	7,593	11,937	287	214
EEL, MORAY	PUHI	-	-	12	4	-	-
GOATFISHES:							
	KUMU	1,251	2,981	890	1,309	10	10
	MOANO	200	170	123	125	-	-
	MOELUA	-	-	16,293	19,643	45	44
	WEKE	7,459	6,894	1,714	1,208	25	15
	WEKE-ULA	3,088	3,708	153	211	345	345
MACKEREL, SCAD	OPELU	12,119	6,797	8,864	8,228	125	125
MARLIN:							
BLUE	A'U	5,683	3,041	2,144	1,040	40	40
SHORTBILL	A'U	87	87	-	-	-	-
STRIPED	A'U	636	400	175	151	-	-
MILKFISH	AWA	98	139	2,544	1,612	-	-
MOUNTAIN BASS	AHOLEHOLE	612	731	1,081	1,408	-	-
MULLET	AMAAMA	1,610	2,720	58	84	-	-
PARROTFISH	UHU	2,478	1,407	1,632	940	50	15
RED BIGEYE	AWEOWEO	260	241	149	121	-	-
RUDDERFISH	NENUE	954	512	3,268	1,941	-	-
RUNNER	LAE	20	10	197	123	-	-
SEA BASS, BLACK	HAPUUPUU	3,495	3,293	1,844	1,549	-	-
SNAPPER:							
BLUE LINE	TAAPE	8,364	4,648	1,132	755	13	11
GRAY	UKU	6,451	6,875	11,993	15,611	550	550
PINK	KALIKALI	222	225	453	456	-	-
PINK	OPAKAPAKA	1,329	1,490	38,805	48,495	1,143	1,144
RED	ULAULA OR EHU	1,726	1,974	2,198	2,848	-	-
RED	ULAULA KOAE	261	391	3,377	5,746	-	-
SPOT	A'AWA	160	54	11	9	-	-
SQUIRRELFISH	UU	12,864	18,973	1,211	1,633	871	865
SURGEONFISH:							
	KALA	1,240	643	730	328	-	-
	PALANI	99	37	802	452	90	46
TANG, CONVICT	MANINI	1,225	1,487	2,103	2,466	115	115
TENPOUNDER	AWAAWA	1	2	13	6	-	-
THREADFIN, PACIFIC	MOI	1,162	2,188	163	261	150	150
TILAPIA		72	20	-	-	-	-
TRIGGERFISH	HUMUHUMU	-	-	67	6	-	-
TUNA:							
ALBACORE	AHIPALAHA	3	3	-	-	-	-
LITTLE	KAWAKAWA	6,967	5,899	3,409	1,339	3,402	2,011
SKIPJACK	AKU	20,366	17,354	666,264	193,361	8,186	4,845
YELLOWFIN	AHI	63,640	69,218	2,231	3,156	254	233
UNCLASSIFIED		92	78	-	-	-	-
TOTAL TUNA		91,068	92,552	671,904	197,856	11,842	7,089
WAHOO	ONO	30,850	37,901	14,463	22,293	425	312
UNCLASSIFIED FISH		2,758	3,062	10,512	11,155	417	311
TOTAL FISH		314,370	277,199	867,132	409,187	17,719	12,407
SHELLFISH ET AL.							
CRABS:							
	KONA	1,673	3,397	1,833	3,721	-	-
	KUAHONU	204	241	-	-	796	746
	MOALA	-	-	2	2	-	-
	PAPAI	8	7	-	-	-	-
	SAMOAN	177	410	-	-	-	-
LIMPET (1)	OPIHI	294	2,371	1,093	14,095	71	350
LOBSTERS, SPINY	ULA	88	198	2,581	6,915	-	-
OCTOPUS	HEE	906	1,592	6,719	10,173	40	40

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

HAWAII FISHERIES

HAWAII - LANDINGS BY ISLANDS, 1977 - Continued

SPECIES		KAUAI		MAUI		LANAI	
ENGLISH	HAWAIIAN	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
<u>OCEAN CATCH - CONTINUED</u>							
SHELLFISH ET AL. - CONTD							
SEAWEED	LIMU	181	436	15	31	-	-
SHRIMP	OPAE	-	-	916	4,553	-	-
SQUID	MUHEE	1,721	2,107	71	129	-	-
TREPANG (SEA CUCUMBERS)	LOLI	16	20	-	-	-	-
UNCLASSIFIED SHELLFISH		-	-	950	760	-	-
TOTAL SHELLFISH ET AL.		5,268	10,779	14,180	40,379	907	1,136
TOTAL OCEAN CATCH		319,638	287,978	881,312	449,566	18,626	13,543
GRAND TOTAL		319,638	287,978	881,312	449,566	18,626	13,543

(1) THE WEIGHT OF MEATS FOR LIMPETS IS BASED ON A YIELD OF 20 PERCENT. (2) SALTWATER.

HAWAII - LANDINGS OF CATCH BY GEAR, 1977

SPECIES		HAUL SEINES		BAG NETS	
ENGLISH	HAWAIIAN	POUNDS	DOLLARS	POUNDS	DOLLARS
BIGEYE SCAD	AKULE	2,326	1,941	420,237	328,449
BONEFISH	OIO	4,000	2,004	2,193	1,005
CREVALLE, JACK	ULUA	5,693	5,962	181	213
DAMSELFISH	MAOMAO	171	86	-	-
GOATFISHES:					
	KUMU	494	1,199	11	37
	MOANO	5	8	-	-
	WEKE	11,689	8,044	150	105
MACKEREL SCAD	OPELU	-	-	95	40
MOUNTAIN BASS	AHOLEHOLE	550	592	-	-
PARROTFISH	UHU	1,400	720	-	-
RED BIGEYE	AWEOWEO	4	4	-	-
SNAPPERS, BLUE LINE	TAAPE	4,211	2,359	-	-
SPOT	A'AWA	54	16	-	-
SQUIRREL FISH	UU	5,276	10,330	-	-
SURGEONFISH:					
	KALA	1,718	344	12	3
	PALANI	393	197	200	147
	PUALU	540	246	-	-
TANG, CONVICT	MANINI	60	60	135	169
TENPOUNDER	AWAAWA	-	-	538	363
THREADFIN, PACIFIC	MOI	-	-	142	320
UNCLASSIFIED FISH		30	15	38	39
TOTAL		38,614	34,127	423,932	330,890

SPECIES		POTS AND TRAPS		GILL NETS, ANCHOR, SET, OR STAKE		LINES	
ENGLISH	HAWAIIAN	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
AMBERJACK	KAHALA	1,344	995	19	10	48,011	32,289
ANCHOVY	NEHU	-	-	-	-	11	14
BARRACUDA	KAKU	-	-	140	204	1,593	903
BARRACUDA, JAPANESE	KAWELEA	-	-	542	337	5,507	4,430
BIGEYE SCAD	AKULE	3	4	168,182	113,150	79,830	96,535
BONEFISH	OIO	104	65	9,538	6,398	2,735	1,924
CREVALLE:							
	OMAKA	-	-	174	260	794	1,253
BLUE	OMILU	942	901	83	153	363	446
JACK	ULUA	6,329	7,372	3,301	4,659	47,392	47,397
DAMSELFISH	MAOMAO	648	560	1,592	1,587	71	83
DOLPHINFISH	MAHIMAHI	54	68	84	158	25,917	42,692
EELS:							
CONGER	PUHI	773	285	10	4	50	12
MORAY	PUHI	5,191	1,737	320	149	62	28

(CONTINUED ON NEXT PAGE)

HAWAII - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES		POTS AND TRAPS		GILL NETS, ANCHOR, SET, OR STAKE		LINES	
						HAND	
ENGLISH	HAWAIIAN	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
GOATFISHES:							
	KUMU.....	5,353	15,055	2,740	6,020	498	1,269
	MALU.....	1,107	1,551	8	15	71	77
	MOANO.....	3,490	4,872	155	228	4,034	6,234
	MOELUA.....	5	7	21	2	16,493	20,156
	WEKE.....	6,688	4,842	31,094	22,635	1,091	1,589
	WEKE-ULA.....	12,354	16,396	497	476	9,962	14,079
	WEPERU.....	6	1	8,685	6,250	211,967	204,384
MACKEREL, SCAD.....							
MARLIN:							
	BLUE.....	-	-	-	-	13,730	6,111
	SAILFISH.....	-	-	-	-	87	53
	SHORTBILL.....	10	30	-	-	396	164
	BLACK.....	-	-	-	-	557	333
	STRIPED.....	-	-	-	-	1,384	1,301
	MILKFISH.....	-	-	5,606	3,774	258	145
	MOUNTAIN BASS.....	166	251	2,734	3,599	69	161
	MULLET.....	-	-	14,332	27,735	2	4
	PARROTFISH.....	1,250	847	3,564	2,411	440	434
	RED BIGEYE.....	24	20	1,128	1,107	4,374	4,359
	RUDDERFISH.....	25	8	4,218	2,100	2,132	1,233
	RUNNER.....	-	-	363	235	66	57
	SARDINE.....	59	5	-	-	39	21
	SEA BASS, BLACK.....	1,508	1,953	14	16	44,634	57,305
SNAPPERS:							
	BLUE LINE.....	5,791	3,338	10,416	5,684	12,377	7,881
	GRAY.....	807	1,003	191	153	64,972	92,791
	PINK.....	-	-	25	10	6,161	8,782
	PINK.....	2,842	5,028	29	52	135,507	213,176
	RED.....	-	-	2	1	29,573	59,843
	RED.....	-	-	-	-	65,120	163,349
	SPOT.....	80	19	238	40	1,715	556
	SQUIRRELFISH.....	806	1,464	4,894	7,534	21,076	31,046
SURGEONFISH:							
	KALA.....	2,764	394	13,919	4,278	234	61
	MAIKO.....	6	4	352	247	82	55
	PALANI.....	11,856	5,167	10,107	4,276	1,200	402
	PUALU.....	4,984	2,205	2,014	804	93	36
	SWORDFISH, BROADBILL.....	-	-	-	-	3,980	3,392
TANG:							
	CONVICT.....	695	694	4,105	5,051	232	223
	ORANGE SPOT.....	1,388	510	513	257	33	18
	TENPOUNDER.....	4	3	1163	754	177	116
THREADFISH,							
	PACIFIC.....	-	-	1,403	2,713	51	122
	TILAPIA.....	-	-	72	20	124	83
	TRIGGERFISH.....	433	314	21	8	650	122
TUNA:							
	ALBACORE.....	-	-	-	-	28,697	17,155
	BIGEYE.....	-	-	-	-	28,620	65,378
	BLUEFIN.....	-	-	-	-	9,739	13,503
	LITTLE.....	-	-	112	57	59,393	18,660
	SKIPJACK.....	-	-	-	-	7,681,667	3,678,045
	YELLOWFIN.....	16	5	133	60	1,029,392	1,025,330
	UNCLASSIFIED.....	-	-	-	-	6	2
	WAHOO.....	-	-	52	52	29,583	29,385
	UNCLASSIFIED FISH.....	10,169	15,888	4,471	3,808	29,057	30,992
CRABS:							
	KONA.....	4,205	10,524	13	25	-	-
	KUAHONU.....	20,109	37,583	27	40	-	-
	PAPAI.....	3	3	11	10	-	-
	SAMOAN.....	-	-	6	12	-	-
LOBSTERS:							
	SLIPPER.....	63	146	-	-	-	-
	SPINY.....	61,374	181,208	2,388	6,249	-	-
	OCTOPUS.....	2,593	3,345	71	100	1,074	1,578
	SHRIMP.....	1,301	2,289	23	200	-	-
	SQUID.....	95	142	45	55	4,617	5,276
	UNCLASSIFIED SHELLFISH.....	-	-	178	223	-	-
TOTAL.....		179,817	329,101	316,138	246,445	9,769,822	6,014,833

(CONTINUED ON NEXT PAGE)

HAWAII FISHERIES

HAWAII - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES		LINES - CONTINUED				LIFT NETS	
		TROLL		LONG OR SET WITH HOOKS			
ENGLISH	HAWAIIAN	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
AMBERJACK.....	KAHALA.....	2,025	1,259	484	292	-	-
BARRACUDA.....	KAKU.....	1,012	665	179	42	-	-
BARRACUDA.....							
JAPANESE.....	KAWELEA.....	41	21	23	43	-	-
BIGEYE, SCAD.....	AKULE.....	25	36	-	-	-	-
BONEFISH.....	OIO.....	-	-	97	49	-	-
CREVALLE:							
BLUE.....	OMILU.....	43	27	-	-	-	-
JACK.....	ULUA.....	7,745	7,204	381	311	-	-
DAMSELFISH.....	MAOMAO.....	1	1	-	-	-	-
DOLPHINFISH.....	MAHIMAHI.....	83,716	150,973	15,244	30,014	-	-
EELS, MORAY.....	PUHI.....	20	4	-	-	-	-
GOATFISHES:							
	KUMU.....	2	5	-	-	-	-
	MALU.....	8	12	-	-	-	-
	MOANO.....	7	12	99	134	-	-
	MOELUA.....	5	4	19	25	-	-
	WEKE-ULA.....	110	136	551	685	-	-
MACKEREL, SCAD.....	OPELU.....	-	-	22,855	18,496	138,546	118,261
MARLIN:							
BLUE.....	A'U.....	235,129	83,946	24,626	19,473	-	-
SAILFISH.....	A'U LEPE.....	358	252	734	696	-	-
SHORTBILL.....	A'U.....	2,989	1,549	6,430	4,598	-	-
BLACK.....	A'U.....	4,473	1,648	463	575	-	-
STRIPED.....	A'U.....	11,819	9,657	69,933	66,261	-	-
UNCLASSIFIED.....	A'U.....	138	62	-	-	-	-
MILKFISH.....	AWA.....	-	-	5	1	-	-
MOUNTAIN BASS.....	AHOLEHOLE.....	19	22	-	-	-	-
PARROTFISH.....	UHU.....	14	17	-	-	-	-
RED BIGEYE.....	AWEOWEO.....	100	108	156	122	-	-
RUDDERFISH.....	NENUE.....	80	45	6	2	-	-
SARDINE.....	MIKIAWA.....	5	8	-	-	-	-
SEA BASS, BLACK.....	HAPUUPUU.....	815	925	226	310	-	-
SNAPPERS:							
BLUE LINE.....	TAAPE.....	38	25	144	88	-	-
GRAY.....	UKU.....	1,582	2,269	2,465	3,450	-	-
PINK.....	KALEKALE.....	35	54	594	898	-	-
PINK.....	OPAKAPAKA.....	2,784	5,494	2,113	2,965	-	-
RED.....	ULAULA OR EHU.....	526	834	500	961	-	-
RED.....	ULAULA KOAE.....	630	1,551	242	459	-	-
SPOT.....	AAWA.....	2	1	23	8	-	-
SQUIRRELFISH.....	UU.....	639	1,025	1,306	1,852	-	-
SURGEONFISH:							
	KALA.....	34	54	27	5	14	3
	MAIKO.....	-	-	-	-	9	(2)
	PALANI.....	-	-	-	-	259	61
	PUALU.....	-	-	-	-	57	17
SWORDFISH,							
BROADBILL.....	A'U.....	290	323	36,965	64,222	-	-
THREADFIN, PACIFIC.....	MOI.....	15	29	-	-	-	-
TUNA:							
ALBACORE.....	AHIPALAHA.....	378	188	50,205	55,566	-	-
BIGEYE.....	AHI.....	4,507	9,363	496,973	1,024,713	-	-
BLUEFIN.....	AHI.....	5,319	8,858	-	-	-	-
LITTLE.....	KAWAKAWA.....	15,668	10,223	20	10	-	-
SKIPJACK.....	AKU.....	36,949	29,418	20	14	-	-
YELLOWFIN.....	AHI.....	512,796	500,769	387,905	512,117	-	-
UNCLASSIFIED.....		164	98	-	-	-	-
WAHOO.....	ONO.....	147,434	163,179	12,370	11,352	-	-
UNCLASSIFIED FISH.....		4,057	4,466	1,537	1,347	6	3
CRABS:							
	KONA.....	10	20	-	-	20,425	53,272
	KUAHONU.....	-	-	-	-	863	1,492
	MOALA.....	-	-	-	-	1,095	971
	PAPAI.....	-	-	-	-	1,923	1,108
	SAMOAN.....	-	-	-	-	204	486
LOBSTERS, SPINY.....	ULA.....	-	-	-	-	26	78
TOTAL.....		1,084,556	996,839	1,135,920	1,842,156	163,427	175,752

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

HAWAII - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES		CAST NETS		SPEARS		BY HAND	
ENGLISH	HAWAIIAN	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
AMBERJACK.....	KAHALA.....	-	-	14	7	-	-
CREVALLE:							
BLUE.....	OMILU.....	-	-	14	10	-	-
JACK.....	ULUA.....	6	9	133	91	25	25
DAMSELFISH.....	MAOMAO.....	6	7	25	30	-	-
EELS, CONGER.....	PUHI.....	2	3	-	-	-	-
GOATFISHES:							
.....	KUMU.....	29	40	3,512	8,269	27	54
.....	MALU.....	-	-	17	19	-	-
.....	MOANO.....	50	27	209	339	-	-
.....	WEKE.....	22	22	-	-	-	-
.....	WEKE-ULA.....	-	-	4	5	-	-
MOUNTAIN BASS.....	AHOLEHOLE.....	212	266	-	-	-	-
MULLET.....	AMAAMA.....	100	170	-	-	-	-
PARROTFISH.....	UHU.....	205	94	4,481	2,985	-	-
RED BIGEYE.....	AWEOWEO.....	1	1	-	-	-	-
RUDDERFISH.....	NENUE.....	515	295	70	25	-	-
RUNNER.....	LAE.....	2	1	-	-	-	-
SEA BASS, BLACK.....	HAPUUPUU.....	-	-	4	3	-	-
SNAPPER:							
BLUE LINE.....	TAAPE.....	9	9	138	77	-	-
GRAY.....	UKU.....	5	5	2	1	-	-
SPOT.....	AAWA.....	-	-	10	2	-	-
SQUIRRELFISH.....	UU.....	10	15	9,227	12,594	147	183
SURGEONFISH:							
.....	KALA.....	455	176	-	-	-	-
.....	MAIKO.....	311	196	-	-	-	-
.....	PALANI.....	144	51	19	9	-	-
.....	PUALU.....	112	22	-	-	-	-
TANG:							
CONVICT.....	MANINI.....	3,743	4,145	-	-	-	-
ORANGE SPOT.....	NAENAE.....	54	25	-	-	-	-
THREADFIN, PACIFIC.....	MOI.....	531	914	-	-	-	-
UNCLASSIFIED FISH.....		1,081	1,206	594	610	-	-
LIMPETS (1).....	OPIHI.....	-	-	2	18	2,323	22,885
LOBSTERS:							
SLIPPER.....	ULAPAPAPA.....	-	-	-	-	35	112
SPINY.....	ULA.....	-	-	-	-	477	1,217
OCTOPUS.....	HEE.....	2	4	14,221	21,305	-	-
SEA-URCHIN.....	WANA.....	-	-	-	-	432	685
SEAWEED.....	LIMU.....	-	-	-	-	6	26
SQUID.....	MUHEE.....	-	-	99	179	-	-
UNCLASSIFIED SHELLFISH.....		-	-	-	-	90	179
TOTAL.....		7,607	7,703	32,795	46,578	3,562	25,366

SPECIES		NETS, UNCLASSIFIED		OTHER GEAR		VARIOUS GEAR, FISH POND	
ENGLISH	HAWAIIAN	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
AMBERJACK.....	KAHALA.....	-	-	24	10	-	-
BARRACUDA.....	KAKU.....	-	-	-	-	387	554
BARRACUDA, JAPANESE.....	KAWELEA.....	13	7	45	45	2	1
BIGEYE SCAD.....	AKULE.....	1,476	1,167	145	159	-	-
BONEFISH.....	OIO.....	13	8	6	4	4,840	3,333
CREVALLE:							
JACK.....	OMAKA.....	3	4	1,821	2,527	-	-
.....	ULUA.....	42	72	208	243	726	992
DAMSELFISH.....	MAOMAO.....	-	-	17	13	-	-
DOLPHINFISH.....	MAHIMAHI.....	-	-	27	38	-	-
EELS:							
CONGER.....	PUHI.....	-	-	10	8	-	-
MORAY.....	PUHI.....	-	-	228	75	-	-
GOATFISHES:							
.....	KUMU.....	19	23	93	273	-	-
.....	MOANO.....	-	-	111	138	-	-
.....	WEKE.....	63	63	209	184	-	-
.....	WEKE-ULA.....	-	-	10	15	-	-
MACKEREL, SCAD.....	OPELU.....	-	-	30	33	-	-
MARLIN, SHORTBILL.....	A'U.....	-	-	71	36	-	-
MILKFISH.....	AWA.....	23	21	5	3	97	76

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

HAWAII FISHERIES

HAWAII - LANDINGS OF CATCH BY GEAR, 1977 - Continued

SPECIES		NETS, UNCLASSIFIED		OTHER GEAR		VARIOUS GEAR, FISH POND	
		POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
ENGLISH	HAWAIIAN						
MOUNTAIN BASS	AHOLEHOLE	39	52	271	439	1,519	1,851
MULLET	AMAAMA	-	-	128	219	5,899	11,397
PARROTFISH	UHU	-	-	179	177	-	-
RED BIGEYE	AWEOWEO	19	16	426	474	-	-
RUDDERFISH	NENUE	15	5	67	43	-	-
RUNNER	LAE	-	-	5	4	-	-
SNAPPERS:							
BLUE LINE	TAAPE	-	-	238	164	121	76
GRAY	UKU	-	-	25	40	-	-
PINK	OPAKAPAKA	-	-	50	75	-	-
SPOT	AAWA	53	14	17	3	-	-
SQUIRRELFISH	UU	-	-	810	1,115	-	-
SURGEONFISH:							
	KALA	390	196	647	217	-	-
	MAIKO	5	2	1	(2)	-	-
	PALANI	325	250	39	23	-	-
	PUALU	200	120	497	238	575	199
TANG:							
CONVICT	MANINI	319	399	377	457	-	-
ORANGE SPOT	NAENAE	-	-	68	29	-	-
TENPOUNDER	AWAWA	55	30	199	174	807	444
THREADFIN, PACIFIC	MOI	3	4	10	18	-	-
TILAPIA		-	-	-	-	3,465	4,413
TRIGGERFISH	HUMUHUMU	-	-	16	2	-	-
TUNA, LITTLE	KAWAKAWA	-	-	99	50	-	-
WAHOO	ONO	-	-	46	46	-	-
UNCLASSIFIED FISH		105	63	532	439	1,254	996
CRABS:							
	KONA	-	-	71	142	-	-
	KUAHONU	-	-	-	-	53	113
	MOALA	-	-	-	-	14	7
	PAPAI	-	-	-	-	228	139
	SAMOAN	-	-	-	-	35	116
LIMPETS (1)	OPIHI	-	-	649	8,057	-	-
LOBSTERS, SPINY	ULA	-	-	176	475	-	-
OCTOPUS	HEE	-	-	270	511	-	-
SEA-URCHIN	WANA	-	-	150	250	-	-
SEAWEED	LIMU	-	-	90,956	58,992	-	-
SHRIMP	OPAE	6,674	23,846	234	1,362	-	-
SQUID	MUHEE	-	-	497	457	-	-
TREPANG (SEA CUCUMBERS)							
UNCLASSIFIED SHELLFISH	LOLI	-	-	43	105	-	-
		-	-	950	760	-	-
TOTAL		9,854	26,362	101,803	79,341	20,022	24,707

(1) THE WEIGHT OF MEAT FOR LIMPETS IS BASED ON A YIELD OF 20 PERCENT.

(2) LESS THAN 50 CENTS.

SECTION 11

PUERTO RICO FISHERIES

Landings in Puerto Rico are not included in the United States landings tables in the General Review or Review of Certain Major Fisheries Sections.

Puerto Rico landings in 1977 were 128.7 million pounds valued at \$49.3 million—down 50.3 million pounds (28 percent) in volume and \$3.7 million (7 percent) in value compared with 1976. Tuna landings were 96 percent of the total catch. Yellowfin tuna predominated with landings of 83.6 million pounds, a decrease of 24.9 million (23 percent) compared with 1976. Landings of yellowfin tuna were 68 percent of the total tuna production. Landings of skipjack tuna totaled 39.7 million pounds—a decline of 25.9 million (40 percent) from 1976. Bluefin tuna with 434,000 pounds was the only species to show an increase—up 126,000 pounds (41 percent) over 1976.

Landings made by local fishermen, consisting largely of marine fish and shellfish, were 5.1 million pounds worth \$3.5 million—an increase of 8 percent in volume and 16 percent in value compared with 1976. Fish accounted for 85 percent of the total local landings. At least 1,368 fishermen operated 1,036 boats in 1977. This showed an increase of 138 fishermen and 134 boats compared with 1976. The fishing gear consisted principally of fish pots (57 percent) and hand and troll lines (22 percent).

Data on local Puerto Rico fisheries are from statistics published by the Commonwealth of Puerto Rico, Department of Agriculture.

PUERTO RICO - SUMMARY OF OPERATING UNITS, 1977

ITEM	NORTH COAST	SOUTH COAST	EAST COAST	WEST COAST	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER				
FISHERMEN, ON BOATS AND SHORE:					
REGULAR.....	257	274	209	398	1,138
CASUAL.....	56	65	57	52	230
TOTAL.....	313	339	266	450	1,368
BOATS:					
MOTOR.....	198	260	142	351	951
OTHER.....	20	15	18	32	85
GEAR:					
BEACH SEINES.....	19	82	18	94	213
POTS:					
FISH.....	176	2,993	2,883	3,691	9,743
LOBSTER.....	1	408	1,251	-	1,660
GILL NETS.....	167	138	107	117	529
LINES:					
HAND.....	1,037	173	461	913	2,584
TROLL.....	507	127	181	703	1,518
TROT.....	37	54	13	157	261
POLE.....	22	25	4	-	51
CAST NETS.....	247	67	152	249	715
SPEARS.....	96	15	50	51	212
OTHER.....					

NOTE.—INCLUDES ONLY LOCAL CRAFT. DOES NOT INCLUDE VESSELS IN TUNA FLEET.

PUERTO RICO FISHERIES

PUERTO RICO - LANDINGS BY REGIONS, 1977

SPECIES	NORTH COAST		SOUTH COAST		EAST COAST	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
BALLYHOO	4	2	33	15	1	(1)
BARRACUDA	23	13	13	9	19	10
BLUE MARLIN	5	3	1	(1)	(1)	(1)
DOLPHINFISH	1	1	8	4	1	(1)
GOATFISH	4	2	60	27	66	40
GROUPERS	23	19	173	95	183	120
GRUNTS	12	7	283	109	208	108
HOGFISH	2	1	9	6	37	24
JACK	27	17	7	4	15	7
MACKEREL	52	39	73	45	48	32
MOJARRA	15	7	1	1	4	1
MULLET	40	20	21	11	3	1
PARROTFISH	4	2	44	19	25	13
PORGY	1	1	11	5	44	27
SARDINE	26	16	(1)	(1)	(1)	(1)
SNAPPERS:						
LANE	8	7	45	30	45	25
MUTTON	8	5	16	10	25	16
SILK	47	53	73	54	18	20
YELLOWTAIL	38	33	27	16	52	36
OTHER	16	13	12	7	12	8
SNOOK	24	15	7	4	2	1
SQUIRRELFISH	3	2	14	7	3	1
TRIGGERFISH	2	1	34	18	49	24
TRUNKFISH	1	1	16	8	34	15
TUNA	7	5	3	2	8	4
OTHER FISH	66	49	24	11	39	21
TOTAL FISH	477	334	986	517	941	556
CONCHS	3	2	67	57	28	25
LAND CRAB	3	5	(1)	(1)	1	2
LOBSTER, SPINY	9	18	93	184	140	275
OCTOPUS	1	1	8	8	1	1
OYSTERS	1	(1)	(1)	(1)	(1)	(1)
OTHER SHELLFISH	7	7	1	1	3	2
TOTAL SHELLFISH ET AL.	24	33	169	250	173	305
GRAND TOTAL	501	367	1,155	767	1,114	861

SPECIES	WEST COAST		TOTAL	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
BALLYHOO	2	1	40	18
BARRACUDA	9	5	64	37
BLUE MARLIN	1	1	7	4
DOLPHINFISH	9	4	17	9
GOATFISH	165	59	295	128
GROUPERS	264	150	643	364
GRUNTS	530	196	1,013	420
HOGFISH	27	17	75	48
JACK	16	7	65	35
MACKEREL	41	28	214	144
MOJARRA	4	1	24	10
MULLET	22	10	86	42
PARROTFISH	168	40	241	74
PORGY	7	3	63	36
SARDINE	(1)	(1)	26	16
SNAPPERS:				
LANE	53	34	151	96
MUTTON	22	14	69	45
SILK	231	232	369	359
YELLOWTAIL	45	31	162	118
OTHER	37	22	77	50
SNOOK	8	4	41	24
SQUIRRELFISH	89	18	109	28
TRIGGERFISH	14	3	99	46
TRUNKFISH	11	8	62	32
TUNA	102	46	120	57
OTHER FISH	39	16	188	97
TOTAL FISH	1,916	950	4,320	2,357
CONCHS	153	110	251	194
LAND CRAB	-	-	4	7
LOBSTER, SPINY	179	349	421	826
OCTOPUS	1	1	11	11
OYSTERS	59	60	60	60
OTHER SHELLFISH	(1)	(1)	11	10
TOTAL SHELLFISH ET AL.	392	520	758	1,108
GRAND TOTAL	2,308	1,470	5,078	3,465

(1) LESS THAN 500 POUNDS OR \$500.

NOTE:—DOES NOT INCLUDE DATA ON TUNA LANDINGS MADE BY U.S. FLAG VESSELS IN PUERTO RICO PORTS.

PUERTO RICO FISHERIES

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PUERTO RICO - LANDINGS OF CATCH BY GEAR, 1977

SPECIES	BEACH SEINES		POTS			
			FISH		LOBSTER, SPINY	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BALLYHOO	28,000	13,296	-	-	-	-
BARRACUDA	25,000	13,721	-	-	-	-
GOATFISH	-	-	295,000	128,283	-	-
GROUPERS	7,000	4,823	469,000	273,879	-	-
GRUNTS	35,000	18,908	890,000	359,783	-	-
HOGFISH	-	-	67,000	42,323	-	-
JACK	19,000	9,692	5,000	2,067	-	-
MACKEREL	19,000	11,336	-	-	-	-
MULLET	13,000	6,415	-	-	-	-
PARROTFISH	7,000	3,583	213,000	60,588	-	-
PORGY	5,000	2,364	50,000	29,192	-	-
SNAPPERS:						
LANE	7,000	4,636	90,000	52,796	-	-
MUTTON	3,000	1,847	46,000	26,947	-	-
SILK	-	-	61,000	56,296	-	-
YELLOWTAIL	16,000	9,896	52,000	32,945	-	-
OTHER	4,000	2,620	39,000	22,943	-	-
SNOOK	7,000	4,055	3,000	1,423	-	-
SQUIRRELFISH	-	-	105,000	25,816	-	-
TRIGGERFISH	8,000	3,664	86,000	39,871	-	-
TRUNKFISH	1,000	420	57,000	27,889	-	-
TUNA	5,000	2,985	-	-	-	-
OTHER FISH	48,000	22,268	40,000	19,209	-	-
LOBSTER, SPINY	-	-	334,000	658,824	40,000	79,032
OCTOPUS	-	-	4,000	3,835	-	-
OTHER SHELLFISH	-	-	2,000	1,661	-	-
TOTAL	257,000	136,529	2,908,000	1,669,490	40,000	79,032

SPECIES	GILL NETS		LINES					
			HAND		TROLL		TROT	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
BALLYHOO	12,000	4,892	-	-	-	-	-	-
BARRACUDA	3,000	1,983	-	-	36,000	21,636	-	-
BLUE MARLIN	-	-	-	-	7,000	3,892	-	-
DOLPHINFISH	-	-	-	-	17,000	9,195	-	-
GROUPERS	-	-	167,000	104,700	-	-	-	-
GRUNTS	75,000	34,964	13,000	6,695	-	-	-	-
HOGFISH	-	-	2,000	1,345	-	-	-	-
JACK	12,000	6,156	29,000	17,473	-	-	-	-
MACKEREL	9,000	6,299	-	-	186,000	126,757	-	-
MOJARRA	24,000	10,424	-	-	-	-	-	-
MULLET	67,000	31,825	-	-	-	-	-	-
PARROTFISH	16,000	6,887	5,000	2,392	-	-	-	-
PORGY	6,000	3,885	2,000	721	-	-	-	-
SARDINE	11,000	7,392	-	-	-	-	-	-
SNAPPERS:								
LANE	-	-	47,000	32,985	-	-	7,000	4,993
MUTTON	4,000	2,887	15,000	10,489	-	-	1,000	929
SILK	-	-	308,000	302,256	-	-	-	-
YELLOWTAIL	16,000	11,891	76,000	61,904	-	-	2,000	1,485
OTHER	10,000	6,292	19,000	14,665	-	-	-	-
SNOOK	25,000	14,532	6,000	4,333	-	-	-	-
SQUIRRELFISH	2,000	1,291	2,000	655	-	-	-	-
TRIGGERFISH	-	-	5,000	2,413	-	-	-	-
TRUNKFISH	4,000	3,611	-	-	-	-	-	-
TUNA	-	-	-	-	115,000	53,935	-	-
OTHER FISH	50,000	25,588	45,000	26,567	-	-	1,000	412
TOTAL	346,000	180,799	741,000	589,593	361,000	215,415	11,000	7,819

SPECIES	CAST NETS		SPEARS		BY HAND	
	POUNDS	DOLLARS	POUNDS	DOLLARS	POUNDS	DOLLARS
HOGFISH	-	-	6,000	4,245	-	-
MULLET	6,000	3,377	-	-	-	-
SARDINE	15,000	9,083	-	-	-	-
SNAPPER, OTHER	-	-	5,000	3,031	-	-
OTHER FISH	4,000	2,528	-	-	-	-
CONCHS	-	-	-	-	251,000	193,683
LAND CRABS	-	-	-	-	4,000	6,600
LOBSTER, SPINY	-	-	18,000	32,069	31,000	55,229
OCTOPUS	-	-	2,000	2,468	5,000	4,257
OYSTERS	-	-	-	-	60,000	60,819
OTHER SHELLFISH	-	-	-	-	9,000	8,849
TOTAL	25,000	14,988	29,000	41,813	360,000	329,237

PUERTO RICO FISHERIES

PUERTO RICO LANDINGS, 1957-77

YEAR	TUNA							
	BLUEFIN		SKIPJACK		YELLOWFIN		TOTAL	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
1957	(1)	(1)	(1)	(1)	(1)	(1)	18,383	(1)
1958	(1)	(1)	(1)	(1)	(1)	(1)	16,652	(1)
1959	(1)	(1)	(1)	(1)	(1)	(1)	22,090	(1)
1960	(1)	(1)	5,892	(1)	15,218	(1)	20,910	(1)
1961	(1)	(1)	10,392	(1)	20,658	(1)	31,050	(1)
1962	1,876	(1)	20,086	(1)	7,028	(1)	28,790	(1)
1963	(3) 2,494	254	(3) 30,454	2,966	4,078	500	(3) 37,026	3,720
1964	4,324	478	30,447	2,816	13,622	1,689	48,363	4,981
1965	2,346	287	42,064	4,417	10,166	1,398	54,578	6,102
1966	1,286	176	37,982	4,881	25,450	4,337	64,698	9,394
1967	1,360	150	77,702	7,343	18,820	2,456	97,882	9,949
1968	-	-	46,672	6,096	60,966	9,526	107,660	15,622
1969	-	-	28,014	3,847	68,254	11,041	96,268	14,886
1970	1,004	177	23,948	3,835	53,802	9,719	78,754	13,731
1971	1,858	368	84,630	15,741	40,974	8,564	127,462	24,673
1972	1,528	322	41,044	8,249	103,656	22,908	(4)146,320	(4)31,510
1973	58	13	63,616	14,646	106,818	26,516	172,462	41,175
1974	318	88	76,128	20,457	86,562	25,417	165,008	45,962
1975	760	183	78,744	17,821	99,594	26,444	(4)177,100	(4)44,449
1976	308	88	65,620	17,856	108,414	32,091	(4)174,346	(4)50,037
1977	434	172	39,672	13,508	83,556	32,169	(4)123,666	(4)45,851

YEAR	OTHER							
	FRESHWATER FISH		UNCLASSIFIED FISH		CRUSTACEANS		MOLLUSKS	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
1957	441	(1)	4,850	(1)	661	(1)	(2)	(1)
1958	441	(1)	5,071	(1)	661	(1)	(2)	(1)
1959	441	(1)	5,291	(1)	661	(1)	(2)	(1)
1960	441	(1)	5,512	(1)	661	(1)	(2)	(1)
1961	441	(1)	5,952	(1)	661	(1)	(2)	(1)
1962	441	(1)	6,614	(1)	661	(1)	(2)	(1)
1963	441	88	7,496	1,357	1,102	431	(2)	(1)
1964	441	97	8,378	1,843	1,102	551	(2)	(1)
1965	441	110	9,039	2,079	1,323	727	(2)	(1)
1966	441	110	9,039	2,079	1,323	760	(2)	(1)
1967	441	132	8,598	1,934	1,984	1,300	(2)	(1)
1968	441	132	8,598	1,771	1,764	1,330	220	98
1969	441	132	2,966	654	220	229	(2)	25
1970	441	132	3,748	1,069	441	400	220	72
1971	441	132	2,864	903	354	321	183	78
1972	441	132	2,668	963	313	338	234	131
1973	441	132	2,475	922	298	366	186	108
1974	441	132	2,593	1,138	268	395	210	130
1975	441	132	2,992	1,520	329	524	218	132
1976	441	132	3,533	1,869	394	741	280	210
1977	441	132	3,879	2,225	425	833	311	254

YEAR	OTHER - CONTINUED				GRAND TOTAL	
	MISCELLANEOUS SHELLFISH ET AL.		TOTAL		THOUSAND POUNDS	THOUSAND DOLLARS
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS		
1957	(2)	(1)	5,952	(1)	24,345	(1)
1958	(2)	(1)	6,173	(1)	22,825	(1)
1959	(2)	(1)	6,393	(1)	28,483	(1)
1960	220	(1)	6,834	(1)	27,744	(1)
1961	220	(1)	7,274	(1)	36,324	(1)
1962	(2)	(1)	7,716	(1)	36,508	(1)
1963	220	66	9,259	1,942	(3) 46,285	5,662
1964	220	66	10,141	2,557	58,534	7,518
1965	220	77	11,023	2,993	65,599	9,095

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PUERTO RICO LANDINGS, 1957-77 - Continued

YEAR	OTHER - CONTINUED				GRAND TOTAL	
	MISCELLANEOUS SHELLFISH ET AL.		TOTAL			
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
1966.....	220	77	11,023	3,026	75,721	12,420
1967.....	220	80	11,243	3,446	109,125	13,395
1968.....	220	73	11,243	3,404	118,903	19,026
1969.....	(2)	11	3,527	1,051	99,795	15,939
1970.....	(2)	15	4,850	1,688	83,604	15,419
1971.....	39	12	3,881	1,446	131,343	26,119
1972.....	25	10	3,681	1,574	(4)150,001	(4)33,084
1973.....	22	10	3,422	1,558	175,914	42,733
1974.....	15	9	3,527	1,804	168,535	47,766
1975.....	30	23	4,010	2,331	(4)181,110	(4)46,780
1976.....	48	41	4,696	2,993	(4)179,042	(4)53,030
1977.....	22	21	5,078	3,465	(4)128,744	(4)49,316

(1) NOT AVAILABLE.

(2) NEGLIGIBLE.

(3) ADDITIONAL LANDINGS OF BLUEFIN (640,000 POUNDS) AND SKIPJACK (596,000 POUNDS) TUNA WERE MADE AT U.S. ATLANTIC COAST PORTS AND TRANSSHIPPED TO PUERTO RICO.

(4) INCLUDES 92,000 POUNDS OF ALBACORE VALUED AT \$31,000 IN 1972, 2,000 POUNDS VALUED AT \$1,000 IN 1975, AND 4,000 POUNDS OF ALBACORE VALUED AT \$2,000 IN 1976 AND 1977.

NOTE:—DATA FOR 1957-71 ON PUERTO RICO LANDINGS MADE BY LOCAL FISHERMEN ARE FROM THE YEARBOOK OF FISHERY STATISTICS (VARIOUS YEARS), FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. METRIC TONS HAVE BEEN CONVERTED TO POUNDS BY MULTIPLYING BY 2,204.6. THE 1972-77 LANDINGS AND VALUE TOTALS ARE FROM TABULATIONS PREPARED BY THE PUERTO RICO DEPARTMENT OF AGRICULTURE, COMMERCIAL FISHERIES LABORATORY. DATA ON TUNA LANDINGS IN PUERTO RICO BY U.S. FISHERMEN WERE OBTAINED BY THE NATIONAL MARINE FISHERIES SERVICE.

ATLANTIC AND PACIFIC OCEANS, 1957-77
PUERTO RICO TUNA LANDINGS

YEAR	BLUEFIN		SKIPJACK		YELLOWFIN		TOTAL		GRAND TOTAL
	ATLANTIC	PACIFIC	ATLANTIC	PACIFIC	ATLANTIC	PACIFIC	ATLANTIC	PACIFIC	
THOUSAND POUNDS									
1957.....	-	(1)	-	(1)	-	(1)	-	18,393	18,393
1958.....	-	(1)	-	(1)	-	(1)	-	16,652	16,652
1959.....	-	(1)	-	(1)	-	(1)	-	22,090	22,090
1960.....	-	-	-	5,692	-	15,218	-	20,910	20,910
1961.....	-	-	-	10,392	-	20,658	-	31,050	31,050
1962.....	1,676	-	936	19,150	-	7,028	-	26,178	28,790
1963 (2).....	2,494	-	2,326	28,128	-	4,078	4,820	32,206	37,026
1964.....	4,324	-	6,508	23,939	-	13,622	10,833	37,561	48,393
1965.....	2,346	-	128	41,936	-	10,166	2,474	52,102	54,576
1966.....	243	1,038	-	37,962	-	25,450	248	64,450	64,698
1967.....	838	522	914	76,788	1,620	17,200	3,372	94,510	97,882
1968.....	-	-	6,844	39,828	13,454	47,534	20,298	87,362	107,660
1969.....	-	-	8,270	19,744	24,670	43,584	32,940	63,328	96,268
1970.....	1,004	-	19,984	3,964	14,792	39,010	35,780	42,974	78,754
1971.....	1,858	-	29,922	54,708	9,248	31,726	41,028	86,434	127,462
1972.....	514	1,014	27,436	13,608	25,482	78,174	(3)53,450	(3)92,870	146,320
1973.....	-	58	40,002	23,614	6,144	102,674	46,146	126,346	172,492
1974.....	8	310	29,278	46,850	10,976	77,586	40,262	124,746	165,008
1975.....	124	636	23,272	53,427	30,230	69,364	(3)53,628	123,472	177,100
1976.....	-	308	3,590	62,030	3,910	104,504	7,500	(3)166,846	174,346
1977.....	434	-	11,916	27,756	11,488	72,068	(3)23,842	99,824	123,666

(1) NOT AVAILABLE.

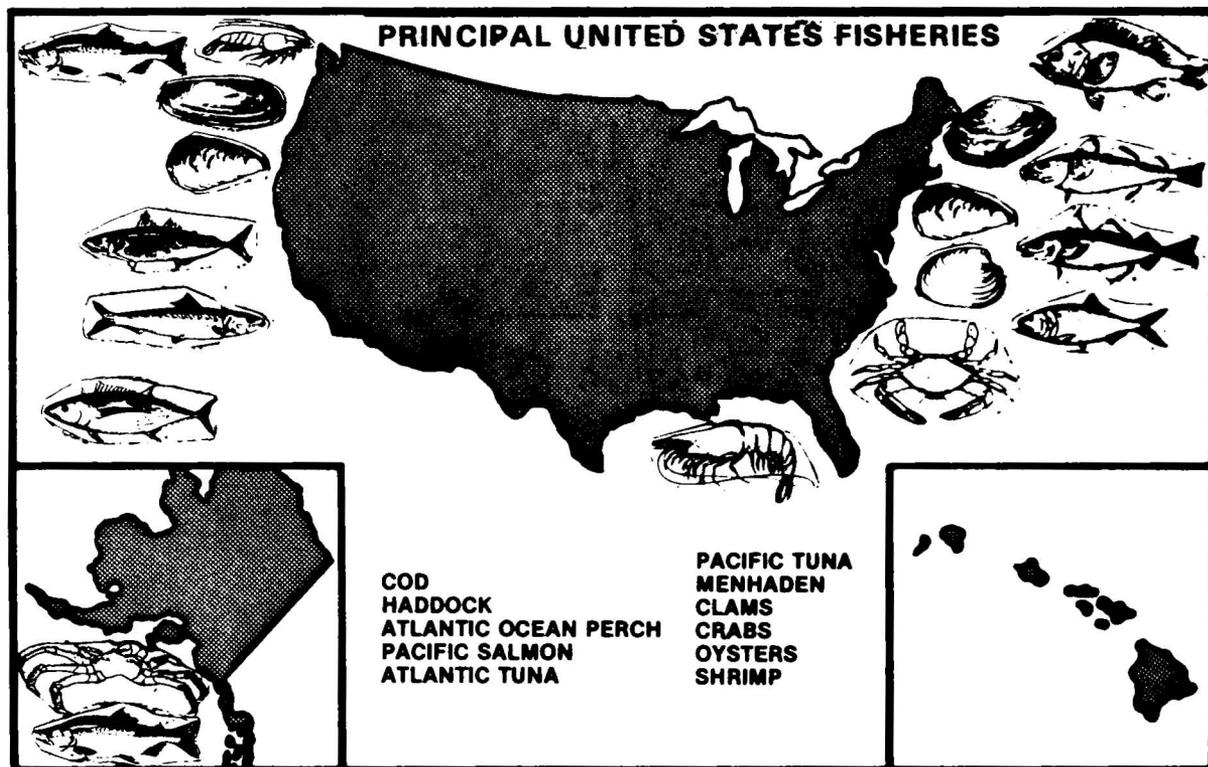
(2) ADDITIONAL LANDINGS OF BLUEFIN (640,000 POUNDS) AND SKIPJACK (596,000 POUNDS) TUNA WERE MADE AT U.S. ATLANTIC COAST PORTS AND TRANSSHIPPED TO PUERTO RICO.

(3) INCLUDES 18,000 POUNDS OF ALBACORE TAKEN IN THE ATLANTIC OCEAN AND 74,000 POUNDS TAKEN IN THE PACIFIC OCEAN IN 1972, 2,000 POUNDS OF ALBACORE TAKEN IN THE ATLANTIC IN 1975, 4,000 POUNDS OF ALBACORE TAKEN IN THE PACIFIC IN 1976, AND 4,000 POUNDS OF ALBACORE TAKEN IN THE ATLANTIC IN 1977.

SECTION 12

REVIEW OF CERTAIN MAJOR FISHERIES

In this Section, there are complete data on the commercial landings of certain major species of fish and shellfish taken in the U.S. fisheries. Additional information is presented on the operating units for many of these fisheries. Most of the major species are taken by several types of fishing gear operated in two or more States; because of this, the casual reader of the digest may have difficulty in locating complete data. The information contained in this Section includes operating units and the volume and value of the catch by types of gear, by States, or by districts.



ATLANTIC OCEAN PERCH FISHERY

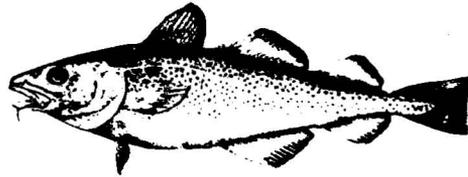
Landings of Atlantic ocean perch were 35.0 million pounds valued at \$5.4 million--increases of 2.9 million pounds (9 percent) and \$960,000 (22 percent) compared with 1976. The production was 35 percent below the average for the previous 5 years.

Maine landings of 20.8 million pounds valued at \$3.1 million was 59 percent of the volume and 59 percent of the value. Massachusetts accounted for 14.2 million pounds or 40 percent of the landings. The remainder was landed at New Hampshire, Massachusetts, and Rhode Island. Ninety-nine percent of the catch was taken by fish otter trawls. The rest was taken by midwater trawls, gill nets, and lines.

U.S. COD FISHERY, 1977

Landings of cod were 87.6 million pounds valued at \$19.0 million—an increase of 18.6 million pounds (27 percent) in volume and \$2.7 million (16 percent) in value compared to 1976. Massachusetts ports accounted for 72 percent of the total landings, followed by Washington, 11 percent; Maine, 10 percent; and Rhode Island, 4 percent. The remainder was landed in nine other Atlantic and Pacific Coast States.

Eighty four percent of the catch was taken by otter trawls, 9 percent by gill nets, and 7 percent by lines, and the remainder was taken by haul and purse seines, pound nets, floating traps, ppts and traps, and dredges.



SUMMARY OF COD LANDINGS, 1977

AREA AND STATE	HAUL SEINES		PURSE SEINES		OTTER TRAWLS	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
NEW ENGLAND:						
MAINE	-	-	-	-	4,183	873
NEW HAMPSHIRE.....	-	-	-	-	160	39
MASSACHUSETTS.....	76	17	2	(1)	55,496	12,441
RHODE ISLAND.....	-	-	-	-	3,376	707
CONNECTICUT.....	-	-	-	-	49	13
TOTAL	76	17	2	(1)	63,264	14,073
MIDDLE ATLANTIC:						
NEW YORK.....	-	-	-	-	481	185
NEW JERSEY.....	-	-	-	-	45	19
TOTAL	-	-	-	-	526	204
CHESAPEAKE:						
MARYLAND.....	-	-	-	-	(1)	(1)
VIRGINIA.....	-	-	-	-	1	(1)
TOTAL	-	-	-	-	1	(1)
PACIFIC COAST:						
ALASKA.....	-	-	-	-	317	67
WASHINGTON.....	1	(1)	-	-	8,908	1,384
OREGON.....	-	-	-	-	824	146
CALIFORNIA.....	-	-	-	-	(1)	(1)
TOTAL	1	(1)	-	-	10,049	1,597
GRAND TOTAL.....	77	17	2	(1)	73,840	15,874

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

REVIEW OF CERTAIN MAJOR FISHERIES

SUMMARY OF COD LANDINGS, 1977 - Continued

AREA AND STATE	POUND NETS		FLOATING TRAPS		POTS AND TRAPS	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
NEW ENGLAND:						
MASSACHUSETTS	-	-	1	(1)	-	-
RHODE ISLAND	-	-	2	1	(1)	(1)
TOTAL	-	-	3	1	(1)	(1)
MIDDLE ATLANTIC, NEW YORK, TOTAL	5	2	-	-	-	-
GRAND TOTAL	5	2	3	1	(1)	(1)

AREA AND STATE	GILL NETS		LINES			
			HAND		TROLL	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
NEW ENGLAND:						
MAINE	4,598	1,042	12	2	-	-
NEW HAMPSHIRE	720	178	31	7	-	-
MASSACHUSETTS	2,302	614	321	98	-	-
RHODE ISLAND	-	-	2	(1)	-	-
TOTAL	7,620	1,834	366	107	-	-
MIDDLE ATLANTIC:						
NEW YORK	-	-	20	8	-	-
NEW JERSEY	1	(1)	-	-	-	-
TOTAL	1	(1)	20	8	-	-
PACIFIC COAST:						
ALASKA	-	-	-	-	4	1
WASHINGTON	299	46	-	-	1	(1)
OREGON	-	-	-	-	45	8
TOTAL	299	46	-	-	50	9
GRAND TOTAL	7,920	1,880	386	115	50	9

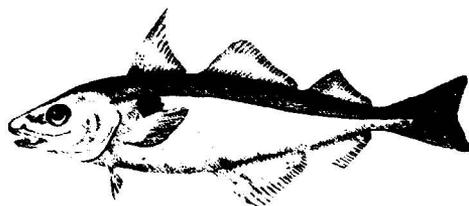
AREA AND STATE	LINES - CONTINUED		DREDGES		TOTAL	
	LONG OR SET WITH HOOKS		THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
NEW ENGLAND:						
MAINE	333	58	-	-	9,126	1,975
NEW HAMPSHIRE	40	10	-	-	951	234
MASSACHUSETTS	4,509	982	6	1	62,713	14,153
RHODE ISLAND	50	13	(1)	(1)	3,430	721
CONNECTICUT	-	-	-	-	49	13
TOTAL	4,932	1,063	6	1	76,269	17,096
MIDDLE ATLANTIC:						
NEW YORK	77	29	-	-	583	224
NEW JERSEY	-	-	(1)	(1)	46	19
TOTAL	77	29	(1)	(1)	629	243
CHESAPEAKE:						
MARYLAND	-	-	-	-	(1)	(1)
VIRGINIA	-	-	-	-	1	(1)
TOTAL	-	-	-	-	1	(1)
PACIFIC COAST:						
ALASKA	304	52	-	-	625	120
WASHINGTON	3	(1)	-	-	9,212	1,430
OREGON	-	-	-	-	869	154
CALIFORNIA	-	-	-	-	(1)	(1)
TOTAL	307	52	-	-	10,706	1,704
GRAND TOTAL	5,316	1,144	6	1	87,605	19,043

(1) LESS THAN 500 POUNDS OR \$500.

ATLANTIC COAST HADDOCK FISHERY, 1977

Landings of haddock were 28.6 million pounds valued at \$9.3 million—an increase of 15.8 million (123 percent) in quantity and \$3.8 million (67 percent) in value compared with 1976. Landings in Massachusetts were 25.2 million pounds—an increase of 14.3 million pounds (132 percent) and 88 percent of the total landings.

Fishermen took 94 percent of the total volume with otter trawls and 5 percent with gill nets. The remaining 1 percent were taken by Danish haul seines, lines (hand and long or set with hooks), and dredges.



SUMMARY OF HADDOCK LANDINGS, 1977

AREA AND STATE	HAUL SEINES, DANISH		OTTER TRAWLS		GILL NETS	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
NEW ENGLAND:						
MAINE	-	-	1,248	531	984	422
NEW HAMPSHIRE.....	-	-	43	17	144	58
MASSACHUSETTS.....	65	20	24,534	7,760	247	98
RHODE ISLAND.....	-	-	877	230	-	-
TOTAL	65	20	26,702	8,538	1,375	578
MIDDLE ATLANTIC:						
NEW YORK	-	-	6	3	-	-
NEW JERSEY.....	-	-	(1)	(1)	-	-
TOTAL	-	-	6	3	-	-
GRAND TOTAL.....	65	20	26,708	8541	1,375	578

AREA AND STATE	LINES				DREDGES		TOTAL	
	HAND		LONG OR SET WITH HOOKS		THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
NEW ENGLAND:								
MAINE	-	-	18	7	-	-	2,250	960
NEW HAMPSHIRE.....	6	2	30	12	-	-	223	89
MASSACHUSETTS.....	3	1	344	159	3	1	25,196	8,039
RHODE ISLAND.....	-	-	-	-	-	-	877	230
TOTAL	9	3	392	178	3	1	28,546	9,318
MIDDLE ATLANTIC:								
NEW YORK	-	-	-	-	-	-	6	3
NEW JERSEY.....	-	-	-	-	-	-	(1)	(1)
TOTAL	-	-	-	-	-	-	6	3
GRAND TOTAL.....	9	3	392	178	3	1	28,552	9,321

(1) LESS THAN 500 POUNDS OR \$500.

REVIEW OF CERTAIN MAJOR FISHERIES

PACIFIC COAST SALMON FISHERY, 1977

Pacific salmon landings were 377.1 million pounds valued at \$252.2 million—increases of 22 percent in volume and 32 percent in value over 1976. Landings were 62 percent above the previous 5-year average and the best since 1970. Landings increased in all species except silver salmon which decreased 15 percent. Landings of pink salmon increased 40 percent; chinook, 17 percent; and chum, 15 percent compared with 1976.

Landings in Alaska of 307.4 million pounds (82 percent of the total production) increased by 25 percent and Washington with 53.1 million pounds increased 29 percent. Landings decreased in Oregon with 10.7 million pounds (30 percent) and in California, 5.9 million pounds (24 percent).

Purse seines took 177.1 million pounds (47 percent of the total landings) of Pacific salmon; gill nets, 164.5 million (43 percent); and lines, 33.3 million pounds (9 percent). The remaining 1 percent was taken by haul seines, nets (dip, pound, and reef), and wheels.

SUMMARY OF SALMON LANDINGS BY SPECIES, 1977

SPECIES	THOUSAND POUNDS	THOUSAND DOLLARS
CHINOOK OR KING	35,310	54,050
CHUM OR KETA	65,563	32,256
PINK	143,645	51,768
RED OR SOCKEYE	101,128	81,642
SILVER OR COHO	31,439	32,480
UNCLASSIFIED	9	19
TOTAL	377,094	252,233

SUMMARY OF PACIFIC COAST SALMON PURSE SEINE OPERATING UNITS, 1977

ITEM	ALASKA (1)	WASHINGTON	TOTAL, EXCLUSIVE OF DUPLICATION
FISHERMEN:			
ON VESSELS	5,724	1,897	6,829
ON BOATS AND SHORE	390	-	390
TOTAL FISHERMEN	6,114	1,897	7,219
VESSELS, MOTOR:			
0 — 9 TONS	77	6	83
10 — 19 TONS	408	28	431
20 — 29 TONS	152	60	192
30 — 39 TONS	116	88	159
40 — 49 TONS	103	100	155
50 — 59 TONS	56	38	74
60 — 69 TONS	20	14	27
70 — 79 TONS	15	13	21
80 — 89 TONS	2	3	4
90 — 99 TONS	1	2	2
100 — 109 TONS	1	-	1
140 — 149 TONS	1	-	1
190 — 199 TONS	1	-	1
320 — 329 TONS	1	-	1
TOTAL VESSELS	954	352	1,152
TOTAL GROSS TONNAGE	25,067	13,876	32,379
BOATS, MOTOR	1,344	-	1,542
GEAR	1,149	352	1,347

(1) INCLUDES SOME HAUL SEINES.

NOTE:—PURSE SEINE OPERATING UNITS WERE CONFINED TO ALASKA AND WASHINGTON.

**SUMMARY OF PACIFIC COAST SALMON
GILL NETS OPERATING UNITS, 1977**

ITEM	ANCHOR, SET, OR STAKE				DRIFT			
	ALASKA	WASHINGTON	OREGON	TOTAL, EXCLUSIVE OF DUPLICATION	ALASKA	WASHINGTON	OREGON	TOTAL, EXCLUSIVE OF DUPLICATION
----- NUMBER -----								
FISHERMEN: ON VESSELS	94	1	6	100	1,720	720	105	2,429
ON BOATS AND SHORE	3,486	1	327	3,814	3,156	1,693	584	5,433
TOTAL FISHERMEN	3,580	2	333	3,914	4,876	2,413	689	7,862
VESSLS, MOTOR:								
0 - 9 TONS	5	1	-	6	240	235	38	488
10 - 19 TONS	23	-	-	23	553	412	23	906
20 - 29 TONS	10	-	1	11	35	31	3	66
30 - 39 TONS	2	-	-	2	17	17	4	36
40 - 49 TONS	3	-	-	3	6	9	-	15
50 - 59 TONS	2	-	3	5	4	3	1	8
60 - 69 TONS	2	-	-	2	-	4	-	4
70 - 79 TONS	-	-	-	-	1	-	-	1
80 - 89 TONS	-	-	-	-	1	-	-	1
90 - 99 TONS	-	-	-	-	-	1	-	1
100 - 109 TONS	-	-	-	-	1	-	-	1
120 - 129 TONS	-	-	-	-	-	-	1	1
140 - 149 TONS	-	-	-	-	1	-	-	1
190 - 199 TONS	-	-	-	-	1	1	-	2
TOTAL VESSELS	47	1	4	52	860	713	70	1,531
TOTAL GROSS TONNAGE	1,015	7	193	1,215	11,357	9,548	972	20,456
BOATS, MOTOR	276	1	218	495	2,015	1,412	390	3,817
GEAR	3,533	2	222	3,756	4,016	2,126	459	6,490

**SUMMARY OF PACIFIC COAST SALMON
TROLL LINE OPERATING UNITS, 1977**

ITEM	ALASKA	WASHINGTON	OREGON	CALIFORNIA	TOTAL, EXCLUSIVE OF DUPLICATION
----- NUMBER -----					
FISHERMEN: ON VESSELS	1,380	1,115	2,449	2,334	6,303
ON BOATS AND SHORE	3,184	2,124	2,160	4,660	12,128
TOTAL FISHERMEN	4,564	3,239	4,609	6,994	18,431
VESSLS, MOTOR:					
0 - 9 TONS	129	187	294	234	742
10 - 19 TONS	343	445	555	545	1,607
20 - 29 TONS	117	161	200	190	542
30 - 39 TONS	54	104	94	103	270
40 - 49 TONS	28	46	47	50	143
50 - 59 TONS	9	7	13	24	47
60 - 69 TONS	2	9	10	11	25
70 - 79 TONS	4	1	2	6	13
80 - 89 TONS	-	2	4	-	5
90 - 99 TONS	1	1	6	1	8
100 - 109 TONS	-	1	-	2	3
120 - 129 TONS	1	-	-	-	1
130 - 139 TONS	2	-	-	-	2
150 - 159 TONS	-	1	-	-	1
180 - 189 TONS	-	-	-	1	1
190 - 199 TONS	-	1	-	-	1
TOTAL VESSELS	690	966	1,225	1,167	3,411
TOTAL GROSS TONNAGE	13,067	18,712	22,397	22,459	63,747
BOATS, MOTOR	1,591	1,769	1,799	2,330	7,489
GEAR	9,128	10,812	13,600	17,485	47,981

REVIEW OF CERTAIN MAJOR FISHERIES

SALMON LANDINGS BY DISTRICT AND CATCH BY GEAR, 1977

GEAR AND SPECIES	ALASKA							
	SOUTHEASTERN		CENTRAL		WESTERN		TOTAL	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
PURSE SEINES:								
CHINOOK OR KING	89	172	44	43	(1)	(1)	133	215
CHUM OR KETA	3,304	2,050	16,755	7,939	491	196	20,550	10,185
PINK	57,677	19,495	53,511	18,987	-	-	111,188	38,482
RED OR SOCKEYE	2,137	1,665	22,141	18,750	226	159	24,504	20,574
SILVER OR COHO	1,195	1,272	398	259	(1)	(1)	1,593	1,531
TOTAL	64,402	24,654	92,849	45,978	717	355	157,988	70,987
GILL NETS, ANCHOR, SET, OR STAKE:								
CHINOOK OR KING	44	54	322	361	2,766	2,503	3,132	2,918
CHUM OR KETA	112	68	1,128	655	8,534	3,459	9,774	4,182
PINK	1,745	670	4,771	1,949	170	35	6,886	2,654
RED OR SOCKEYE	1,382	1,308	9,353	7,920	4,146	2,508	14,881	11,734
SILVER OR COHO	983	895	606	402	1,742	1,128	3,331	2,423
TOTAL	4,266	2,995	16,180	11,287	17,358	9,629	37,804	23,911
GILL NETS, DRIFT:								
CHINOOK OR KING	58	78	744	913	4,025	3,042	4,827	4,033
CHUM OR KETA	3,996	2,408	11,073	5,579	13,682	5,073	28,751	13,060
PINK	7,273	2,659	3,184	1,209	28	8	10,485	3,876
RED OR SOCKEYE	3,999	4,008	15,540	13,393	30,810	18,530	50,349	35,931
SILVER OR COHO	1,910	1,835	2,642	1,231	1,758	1,078	6,310	4,144
TOTAL	17,236	10,988	33,183	22,325	50,303	27,731	100,722	61,044
LINES, TROLL:								
CHINOOK OR KING	3,980	7,302	-	-	-	-	3,980	7,302
CHUM OR KETA	97	60	-	-	-	-	97	60
PINK	1,195	562	-	-	-	-	1,195	562
RED OR SOCKEYE	37	34	-	-	-	-	37	34
SILVER OR COHO	4,160	6,525	-	-	-	-	4,160	6,525
TOTAL	9,469	14,483	-	-	-	-	9,469	14,483
WHEELS:								
CHINOOK OR KING	-	-	-	-	31	32	31	32
CHUM OR KETA	-	-	-	-	1,376	316	1,376	316
SILVER OR COHO	-	-	-	-	9	2	9	2
TOTAL	-	-	-	-	1,416	350	1,416	350
GRAND TOTAL	95,373	53,120	142,212	79,590	69,794	38,065	307,379	170,775

GEAR AND SPECIES	WASHINGTON					
	PUGET SOUND		COLUMBIA RIVER		TOTAL	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
HAUL SEINES:						
CHINOOK OR KING	24	41	-	-	24	41
CHUM OR KETA	2	1	-	-	2	1
PINK	17	10	-	-	17	10
RED OR SOCKEYE	(1)	(1)	-	-	(1)	(1)
SILVER OR COHO	67	78	-	-	67	78
TOTAL	110	130	-	-	110	130
PURSE SEINES:						
CHINOOK OR KING	1,027	1,486	(1)	(1)	1,027	1,486
CHUM OR KETA	873	768	-	-	873	768
PINK	10,377	4,365	7	2	10,384	4,367
RED OR SOCKEYE	5,011	5,654	4	5	5,015	5,659
SILVER OR COHO	1,802	1,730	1	1	1,803	1,731
TOTAL	19,090	14,003	12	8	19,102	14,011

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SALMON LANDINGS BY DISTRICTS AND CATCH BY GEAR, 1977 - Continued

GEAR AND SPECIES	WASHINGTON							
	PUGET SOUND		WASHINGTON COAST		COLUMBIA RIVER		TOTAL	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
POUND NETS:								
CHINOOK OR KING	4	6	-	-	-	-	4	6
CHUM OR KETA	1	1	-	-	-	-	1	1
PINK	13	6	-	-	-	-	13	6
RED OR SOCKEYE	1	1	-	-	-	-	1	1
SILVER OR COHO	10	8	-	-	-	-	10	8
TOTAL	29	22	-	-	-	-	29	22
GILL NETS, ANCHOR, SET, OR STAKE:								
CHINOOK OR KING	3	4	209	211	2	3	214	218
CHUM OR KETA	7	5	56	33	-	-	63	38
PINK	-	-	-	-	-	-	-	-
RED OR SOCKEYE	-	-	121	187	-	-	121	187
SILVER OR COHO	34	32	49	55	(1)	(1)	83	87
TOTAL	44	41	435	486	2	3	481	530
GILL NETS, DRIFT:								
CHINOOK OR KING	2,667	3,949	1,147	1,679	1,771	1,766	5,585	7,394
CHUM OR KETA	3,894	3,511	131	89	14	12	4,039	3,612
PINK	1,200	549	(1)	(1)	-	-	1,200	549
RED OR SOCKEYE	5,796	7,019	2	2	1	1	5,799	7,022
SILVER OR COHO	5,307	5,800	152	140	67	79	5,526	6,019
TOTAL	18,864	20,828	1,432	1,910	1,853	1,858	22,149	24,596
LINES, TROLL:								
CHINOOK OR KING	1,131	2,131	2,041	3,692	578	1,041	3,750	6,864
CHUM OR KETA	3	2	3	2	-	-	6	4
PINK	1,045	544	770	448	16	12	1,831	1,004
RED OR SOCKEYE	9	10	3	3	4	4	16	17
SILVER OR COHO	1,490	1,437	2,674	2,928	747	831	4,911	5,196
TOTAL	3,678	4,124	5,491	7,073	1,345	1,888	10,514	13,085
DIP NETS:								
CHINOOK OR KING	3	4	-	-	9	8	12	12
CHUM OR KETA	(1)	(1)	-	-	-	-	(1)	(1)
SILVER OR COHO	11	11	-	-	(1)	(1)	11	11
TOTAL	14	15	-	-	9	8	23	23
REEF NETS:								
CHINOOK OR KING	19	29	-	-	-	-	19	29
CHUM OR KETA	30	28	-	-	-	-	30	28
PINK	174	77	-	-	-	-	174	77
RED OR SOCKEYE	405	483	-	-	-	-	405	483
SILVER OR COHO	36	36	-	-	-	-	36	36
TOTAL	664	653	-	-	-	-	664	653
GRAND TOTAL	42,493	39,816	7,358	9,469	3,221	3,765	53,072	53,050

GEAR AND SPECIES	OREGON					
	COLUMBIA RIVER		OREGON COAST		TOTAL	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
GILL NETS, ANCHOR, SET, OR STAKE:						
CHINOOK OR KING	242	239	87	56	329	295
SILVER OR COHO	4	1	-	-	4	1
TOTAL	246	240	87	56	333	296
GILL NETS, DRIFT:						
CHINOOK OR KING	2,730	4,462	-	-	2,730	4,462
CHUM OR KETA	1	1	-	-	1	1
RED OR SOCKEYE	(1)	(1)	-	-	(1)	(1)
SILVER OR COHO	250	345	-	-	250	345
TOTAL	2,981	4,808	-	-	2,981	4,808

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

REVIEW OF CERTAIN MAJOR FISHERIES

SALMON LANDINGS BY DISTRICTS AND CATCH BY GEAR, 1977 - Continued

GEAR AND SPECIES	OREGON					
	COLUMBIA RIVER		OREGON COAST		TOTAL	
	<u>THOUSAND POUNDS</u>	<u>THOUSAND DOLLARS</u>	<u>THOUSAND POUNDS</u>	<u>THOUSAND DOLLARS</u>	<u>THOUSAND POUNDS</u>	<u>THOUSAND DOLLARS</u>
LINES, TROLL:						
CHINOOK OR KING	229	426	3,678	6,841	3,907	7,267
PINK	19	11	438	161	457	172
RED OR SOCKEYE	-	-	(1)	(1)	(1)	(1)
SILVER OR COHO	383	557	2,654	3,428	3,037	3,985
TOTAL	631	994	6,770	10,430	7,401	11,424
GRAND TOTAL	3,858	6,042	6,857	10,486	10,715	16,528

GEAR AND SPECIES	CALIFORNIA					
	NORTHERN		SAN FRANCISCO		MONTEREY	
	<u>THOUSAND POUNDS</u>	<u>THOUSAND DOLLARS</u>	<u>THOUSAND POUNDS</u>	<u>THOUSAND DOLLARS</u>	<u>THOUSAND POUNDS</u>	<u>THOUSAND DOLLARS</u>
LINES:						
CHINOOK OR KING	3,079	6,263	1,735	3,573	597	1,211
PINK	15	9	-	-	-	-
SILVER OR COHO	285	347	9	14	3	5
UNCLASSIFIED	2	2	3	7	2	4
TOTAL	3,381	6,621	1,747	3,594	602	1,220
GRAND TOTAL	3,381	6,621	1,747	3,594	602	1,220

GEAR AND SPECIES	CALIFORNIA - CONTINUED					
	SANTA BARBARA		SAN PEDRO		TOTAL	
	<u>THOUSAND POUNDS</u>	<u>THOUSAND DOLLARS</u>	<u>THOUSAND POUNDS</u>	<u>THOUSAND DOLLARS</u>	<u>THOUSAND POUNDS</u>	<u>THOUSAND DOLLARS</u>
LINES:						
CHINOOK OR KING	194	436	1	2	5,606	11,485
PINK	-	-	-	-	15	9
SILVER OR COHO	1	1	-	-	298	367
UNCLASSIFIED	2	5	(1)	1	9	19
TOTAL	197	442	1	3	5,928	11,860
GRAND TOTAL	197	442	1	3	5,928	11,860

(1) LESS THAN 500 POUNDS OR \$500.

NOTE:—IN ALASKA, LANDINGS TAKEN BY HAUL SEINES ARE INCLUDED WITH THOSE BY PURSE SEINES.

REVIEW OF CERTAIN MAJOR FISHERIES

SUMMARY OF SALMON LANDINGS BY DISTRICTS, 1977

SPECIES	ALASKA							
	SOUTHEASTERN		CENTRAL		WESTERN		TOTAL	
	THOUSAND POUNDS	THOUSAND DOLLARS						
CHINOOK OR KING	4,172	7,606	1,109	1,317	6,822	5,577	12,103	14,500
CHUM OR KETA	7,509	4,585	28,956	14,173	24,083	9,045	60,548	27,803
PINK	67,890	23,386	61,466	22,145	198	43	129,554	45,574
RED OR SOCKEYE	7,555	7,016	47,034	40,063	35,182	21,194	89,771	68,273
SILVER OR COHO	8,247	10,527	3,647	1,892	3,509	2,206	15,403	14,625
TOTAL	95,373	53,120	142,212	79,590	69,794	38,065	307,379	170,775

SPECIES	WASHINGTON							
	PUGET SOUND		WASHINGTON COAST		COLUMBIA RIVER		TOTAL	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
CHINOOK OR KING	4,878	7,650	3,397	5,582	2,360	2,818	10,635	16,050
CHUM OR KETA	4,810	4,316	190	124	14	12	5,014	4,452
PINK	12,826	5,551	770	448	23	14	13,619	6,013
RED OR SOCKEYE	11,222	13,167	126	192	9	10	11,357	13,369
SILVER OR COHO	8,757	9,132	2,875	3,123	815	911	12,447	13,166
TOTAL	42,493	39,816	7,358	9,469	3,221	3,765	53,072	53,050

SPECIES	OREGON					
	COLUMBIA RIVER		OREGON COAST		TOTAL	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
CHINOOK OR KING	3,201	5,127	3,765	6,897	6,966	12,024
CHUM OR KETA	1	1	-	-	1	1
PINK	19	11	438	161	457	172
RED OR SOCKEYE	(1)	(1)	(1)	(1)	(1)	(1)
SILVER OR COHO	637	903	2,654	3,428	3,291	4,331
TOTAL	3,858	6,042	6,857	10,486	10,715	16,528

SPECIES	CALIFORNIA					
	NORTHERN		SAN FRANCISCO		MONTEREY	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
CHINOOK OR KING	3,079	6,263	1,735	3,573	597	1,211
PINK	15	9	-	-	-	-
SILVER OR COHO	285	347	9	14	3	5
UNCLASSIFIED	2	2	3	7	2	4
TOTAL	3,381	6,621	1,747	3,594	602	1,220

SPECIES	CALIFORNIA - CONTINUED					
	SANTA BARBARA		SAN PEDRO		TOTAL	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
CHINOOK OR KING	194	436	1	2	5,606	11,485
PINK	-	-	-	-	15	9
SILVER OR COHO	1	1	-	-	298	367
UNCLASSIFIED	2	5	(1)	1	9	19
TOTAL	197	442	1	3	5,928	11,880

(1) LESS THAN 500 POUNDS OR \$500.

REVIEW OF CERTAIN MAJOR FISHERIES

SUMMARY OF SALMON LANDINGS OF CATCH BY GEAR, 1977

STATE AND DISTRICT	HAUL SEINES	PURSE SEINES	POUND NETS	GILL NETS	LINES
-----THOUSAND POUNDS-----					
ALASKA:					
SOUTHEASTERN	-	64,402	-	21,502	9,489
CENTRAL	-	92,849	-	49,363	-
WESTERN	-	717	-	67,861	-
TOTAL	-	157,968	-	138,526	9,489
WASHINGTON:					
PUGET SOUND	110	19,090	29	18,908	3,678
WASHINGTON COAST	-	-	-	1,867	5,491
COLUMBIA RIVER	-	12	-	1,855	1,345
TOTAL	110	19,102	29	22,630	10,514
OREGON:					
COLUMBIA RIVER	-	-	-	3,227	631
OREGON COAST	-	-	-	87	6,770
TOTAL	-	-	-	3,314	7,401
CALIFORNIA:					
NORTHERN	-	-	-	-	3,381
SAN FRANCISCO	-	-	-	-	1,747
MONTEREY	-	-	-	-	602
SANTA BARBARA	-	-	-	-	197
SAN PEDRO	-	-	-	-	1
TOTAL	-	-	-	-	5,928
GRAND TOTAL	110	177,070	29	164,470	33,312
-----THOUSAND POUNDS-----					
STATE AND DISTRICT	DIP NETS	REEF NETS	WHEELS	TOTAL	
ALASKA:					
SOUTHEASTERN	-	-	-	95,373	
CENTRAL	-	-	-	142,212	
WESTERN	-	-	1,416	69,794	
TOTAL	-	-	1,416	307,379	
WASHINGTON:					
PUGET SOUND	14	664	-	42,493	
WASHINGTON COAST	-	-	-	7,358	
COLUMBIA RIVER	9	-	-	3,221	
TOTAL	23	664	-	53,072	
OREGON:					
COLUMBIA RIVER	-	-	-	3,858	
OREGON COAST	-	-	-	6,857	
TOTAL	-	-	-	10,715	
CALIFORNIA:					
NORTHERN	-	-	-	3,381	
SAN FRANCISCO	-	-	-	1,747	
MONTEREY	-	-	-	602	
SANTA BARBARA	-	-	-	197	
SAN PEDRO	-	-	-	1	
TOTAL	-	-	-	5,928	
GRAND TOTAL	23	664	1,416	377,094	

(1) LESS THAN 500 POUNDS.

NOTE:—IN ALASKA, LANDINGS TAKEN BY HAUL SEINES ARE INCLUDED WITH THOSE TAKEN BY PURSE SEINES.

ATLANTIC COAST TUNA FISHERY, 1977

Landings of tuna along the Atlantic Coast States of 4.1 million pounds valued at \$1.9 million declined only 1 percent in volume but increased by 17 percent in value compared to 1976. Maryland was the leading State with 45 percent of the total tuna landing followed by Massachusetts, 40 percent; and Virginia, 9 percent. The Chesapeake States has landings of 2,177 million pounds of bluefin tuna which accounted for 54 percent of all the Atlantic coast landings. Landings were 1.8 million pounds in Maryland and 372,000 pounds in Virginia.

Purse seines took 65 percent of the harvest; lines, 26 percent; and harpoons, 8 percent. A negligible amount was taken by nets (pound, fyke and hoop, gill).

SUMMARY OF ATLANTIC COAST TUNA LANDINGS, 1977

SPECIES	PURSE SEINES		POUND NETS		FYKE AND HOOP NETS	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
BLUEFIN:						
MASSACHUSETTS.....	368	405	1	(1)	-	-
NEW JERSEY.....	57	23	-	-	-	-
MARYLAND.....	1,805	537	-	-	-	-
VIRGINIA.....	370	141	-	-	-	-
TOTAL BLUEFIN.....	2,600	1,106	1	(1)	-	-
LITTLE:						
NEW YORK.....	-	-	1	(1)	1	(1)
VIRGINIA.....	-	-	(1)	(1)	-	-
TOTAL LITTLE.....	-	-	1	-	1	(1)
SKIPJACK, NEW JERSEY, TOTAL.....	42	10	(1)	(1)	-	-
YELLOWFIN, NEW JERSEY, TOTAL.....	2	1	-	-	-	-
GRAND TOTAL.....	2,644	1,117	2	1	1	(1)

SPECIES AND STATE	GILL NETS		LINES		HARPOONS		TOTAL	
	THOUSAND POUNDS	THOUSAND DOLLARS						
BLUEFIN:								
MAINE.....	-	-	13	9	82	67	95	76
NEW HAMPSHIRE.....	-	-	2	1	2	2	4	3
MASSACHUSETTS.....	-	-	985	559	254	155	1,608	1,120
RHODE ISLAND.....	-	-	3	2	1	1	4	3
NEW YORK.....	-	-	39	26	2	1	41	27
NEW JERSEY.....	-	-	1	(1)	-	-	58	23
MARYLAND.....	-	-	-	-	-	-	1,805	537
VIRGINIA.....	-	-	2	1	-	-	372	142
TOTAL BLUEFIN.....	-	-	1,045	598	341	226	3,987	1,931
LITTLE:								
NEW YORK.....	3	1	13	3	-	-	18	4
NEW JERSEY.....	1	(1)	(1)	(1)	-	-	1	(1)
VIRGINIA.....	-	-	-	-	-	-	(1)	(1)
MISSISSIPPI.....	4	(1)	-	-	-	-	4	(1)
TOTAL LITTLE.....	8	1	13	3	-	-	23	4
SKIPJACK, NEW JERSEY, TOTAL.....	-	-	-	-	-	-	42	10
YELLOWFIN, NEW JERSEY, TOTAL.....	-	-	1	(1)	-	-	3	1
UNCLASSIFIED, RHODE ISLAND, TOTAL.....	-	-	1	1	(1)	(1)	1	1
GRAND TOTAL.....	8	1	1,060	602	341	226	4,056	1,947

(1) LESS THAN 500 POUNDS OR \$500.

REVIEW OF CERTAIN MAJOR FISHERIES

PACIFIC TUNA FISHERY, 1977

Domestic landings of tuna at the Pacific Coast States and Hawaii ports were 329.8 million pounds valued at \$131.5 million—a decrease of 156.7 million pounds (32 percent) in volume and \$18.3 million (12 percent) in value compared to 1976. Landings of all species decreased except for bigeye tuna with landings of 3.9 million pounds (up 69 percent). Landings of bluefin tuna were 7.0 million pounds (down 63 percent); albacore, 25.4 million (38 percent); skipjack, 92.2 million (34 percent); and yellowfin tuna, 201.4 million pounds (down 29 percent).

Yellowfin tuna was 61 percent of the total tuna landings of the Pacific Coast. The Inter-American Tropical Tuna Commission (IATTC) set an international quota for the yellowfin tuna fishery in the regulatory area of the eastern Pacific Ocean for 1977 of 175,000 short tons with allowances for the increments of 20,000 and 15,000 tons should such data from the fishery warrant such increases. In 1977 the season on yellowfin tuna opened on January 1 and was closed on July 7.

Purse seines, the principal gear used in taking bigeye, bluefin, skipjack, and yellowfin tuna accounted for 84 percent of the total landings. Lines, mainly used for taking albacore, accounted for most of the rest. Gill nets took a negligible quantity.

SUMMARY OF PACIFIC TUNA OPERATING UNITS, 1977

ITEM	PURSE SEINES	LINES			TOTAL, EXCLUSIVE OF DUPLICATION
		HAND		TROLL, TUNA	
		ALBACORE	YELLOWFIN (1)		
NUMBER					
FISHERMEN:					
ON VESSELS	1,568	1,386	621	2,670	5,454
ON BOATS AND SHORE	154	171	162	396	883
TOTAL FISHERMEN	1,722	1,557	783	3,066	6,337
VESSELS, MOTOR:					
0 — 9 TONS	3	1	1	63	66
10 — 19 TONS	16	26	9	407	417
20 — 29 TONS	3	25	2	339	342
30 — 39 TONS	2	21	6	229	232
40 — 49 TONS	-	13	5	129	130
50 — 59 TONS	-	16	4	70	72
60 — 69 TONS	2	12	6	42	49
70 — 79 TONS	3	10	4	18	25
80 — 89 TONS	4	4	4	8	12
90 — 99 TONS	9	5	5	7	18
100 — 109 TONS	1	1	2	5	8
110 — 119 TONS	4	5	5	4	8
120 — 129 TONS	1	2	2	5	6
130 — 139 TONS	1	3	3	2	4
140 — 149 TONS	-	-	1	3	3
150 — 159 TONS	2	2	2	2	5
160 — 169 TONS	1	-	-	-	1
180 — 189 TONS	2	-	-	-	2
190 — 199 TONS	7	7	7	1	14
250 — 259 TONS	-	-	-	1	1
310 — 319 TONS	1	1	1	-	2
330 — 339 TONS	2	-	-	-	2
360 — 369 TONS	1	-	-	-	1
370 — 379 TONS	1	-	-	-	1
410 — 419 TONS	1	-	-	-	1
430 — 439 TONS	5	-	-	-	5
450 — 459 TONS	1	-	-	-	1
500 — 509 TONS	4	-	-	-	4
510 — 519 TONS	1	-	-	-	1
670 — 679 TONS	1	-	-	-	1

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SUMMARY OF PACIFIC TUNA OPERATING UNITS, 1977 - Continued

ITEM	PURSE SEINES	LINES			TOTAL, EXCLUSIVE OF DUPLICATION
		HAND		TROLL, TUNA	
		ALBACORE	YELLOWFIN (1)		
NUMBER					
VESSELS, MOTOR - CONTD					
720 — 729 TONS.....	1	-	-	-	1
730 — 739 TONS.....	1	-	-	-	1
750 — 759 TONS.....	2	-	-	-	2
760 — 769 TONS.....	1	-	-	-	1
770 — 779 TONS.....	1	-	-	-	1
780 — 789 TONS.....	1	-	-	-	1
790 — 799 TONS.....	1	-	-	-	1
800 — 809 TONS.....	1	-	-	-	1
830 — 839 TONS.....	3	-	-	-	3
860 — 869 TONS.....	8	-	-	-	8
870 — 879 TONS.....	1	-	-	-	1
880 — 889 TONS.....	1	-	-	-	1
900 — 909 TONS.....	1	-	-	-	1
910 — 919 TONS.....	5	-	-	-	5
920 — 929 TONS.....	1	-	-	-	1
930 — 939 TONS.....	1	-	-	-	1
970 — 979 TONS.....	5	-	-	-	5
980 — 989 TONS.....	5	-	-	-	5
990 — 999 TONS.....	3	-	-	-	3
1060 — 1069 TONS.....	1	-	-	-	1
1070 — 1079 TONS.....	4	-	-	-	4
1110 — 1119 TONS.....	1	-	-	-	1
1120 — 1129 TONS.....	1	-	-	-	1
1150 — 1159 TONS.....	2	-	-	-	2
1160 — 1169 TONS.....	1	-	-	-	1
1180 — 1189 TONS.....	5	-	-	-	5
1190 — 1199 TONS.....	1	-	-	-	1
1300 — 1309 TONS.....	1	-	-	-	1
1490 — 1499 TONS.....	2	-	-	-	2
1560 — 1569 TONS.....	1	-	-	-	1
TOTAL VESSELS.....	142	154	69	1,335	1,497
TOTAL GROSS TONNAGE.	75,240	8,837	5,942	40,189	118,379
BOATS:					
MOTOR.....	14	19	18	198	249
OTHER.....	308	1	-	-	309
GEAR.....	156	1,557	783	13,438	-

(1) VESSELS OF 50 TONS OR MORE CAPACITY ARE CONSIDERED CLIPPER CRAFT.
NOTE:—DOES NOT INCLUDE OTHER GEARS.

REVIEW OF CERTAIN MAJOR FISHERIES

SUMMARY OF PACIFIC TUNA LANDINGS, 1977

SPECIES, STATE, AND DISTRICT	PURSE SEINES		GILL NETS	
	POUNDS	DOLLARS	POUNDS	DOLLARS
ALBACORE:				
CALIFORNIA:				
SANTA BARBARA	(1)	(1)	-	-
SAN PEDRO	41	25	2	1
SAN DIEGO	20	11	-	-
TOTAL	61	36	2	1
GRAND TOTAL, ALBACORE	61	36	2	1
BIGEYE, CALIFORNIA:				
SAN PEDRO	1,242	482	-	-
SAN DIEGO	2,097	856	-	-
GRAND TOTAL, BIGEYE	3,339	1,338	-	-
BLUEFIN, CALIFORNIA:				
SAN PEDRO	4,734	1,956	(1)	(1)
SAN DIEGO	2,178	845	-	-
GRAND TOTAL, BLUEFIN	6,912	2,801	(1)	(1)
LITTLE, HAWAII, GRAND TOTAL	(1)	(1)	(1)	(1)
SKIPJACK:				
OREGON, COLUMBIA RIVER, TOTAL	1,980	742	-	-
CALIFORNIA:				
SAN PEDRO	42,481	14,461	-	-
SAN DIEGO	28,396	9,989	-	-
TOTAL	70,877	24,450	-	-
GRAND TOTAL, SKIPJACK	72,857	25,192	-	-
YELLOWFIN:				
OREGON, COLUMBIA RIVER, TOTAL	3,878	1,563	-	-
CALIFORNIA:				
SAN PEDRO	115,305	44,572	8	6
SAN DIEGO	76,163	29,671	-	-
TOTAL	191,468	74,243	8	6
GRAND TOTAL, YELLOWFIN	195,346	75,806	8	6
GRAND TOTAL	278,515	105,173	10	7

SPECIES, STATE, AND DISTRICT	LINES		TOTAL	
	POUNDS	DOLLARS	POUNDS	DOLLARS
ALBACORE:				
WASHINGTON:				
PUGENT SOUND	454	252	454	252
COASTAL	2,526	1,445	2,526	1,445
COLUMBIA RIVER	1,968	1,408	1,968	1,408
TOTAL	4,948	3,105	4,948	3,105
OREGON:				
COLUMBIA RIVER	3,406	1,108	3,406	1,108
COASTAL	1,014	288	1,014	288
TOTAL	4,420	1,396	4,420	1,396
CALIFORNIA:				
NORTHERN	2,031	1,170	2,031	1,170
SAN FRANCISCO	1,722	988	1,722	988
MONTEREY	4,021	2,319	4,021	2,319
SANTA BARBARA	1,084	628	1,084	628
SAN PEDRO	1,846	1,082	1,889	1,108
SAN DIEGO	5,137	2,959	5,157	2,970
TOTAL	15,841	9,146	15,904	9,183
HAWAII, TOTAL	79	73	79	73
GRAND TOTAL, ALBACORE	25,288	13,720	25,351	13,757

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SUMMARY OF PACIFIC TUNA LANDINGS, 1977 - Continued

SPECIES, STATE, AND DISTRICT	LINES		TOTAL	
	POUNDS	DOLLARS	POUNDS	DOLLARS
BIGEYE:				
CALIFORNIA:				
SAN PEDRO.....	-	-	1,242	482
SAN DIEGO.....	1	(1)	2,098	856
TOTAL	1	(1)	3,340	1,338
HAWAII TOTAL.....	530	1,100	530	1,100
GRAND TOTAL, BIGEYE.....	531	1,100	3,870	2,438
BLUEFIN:				
WASHINGTON, COLUMBIA RIVER, TOTAL				
	2	1	2	1
CALIFORNIA:				
MONTEREY.....	(1)	(1)	(1)	(1)
SANTA BARBARA.....	(1)	(1)	(1)	(1)
SAN PEDRO.....	(1)	(1)	4,734	1,956
SAN DIEGO.....	28	11	2,206	856
TOTAL	28	11	6,940	2,812
HAWAII, TOTAL.....	15	22	15	22
GRAND TOTAL, BLUEFIN ..	45	34	6,957	2,835
LITTLE, HAWAII	75	29	75	29
SKIPJACK:				
WASHINGTON, COLUMBIA RIVER, TOTAL				
	6	2	6	2
OREGON, COLUMBIA RIVER, TOTAL.....				
	-	-	1,980	742
CALIFORNIA:				
MONTEREY.....	2	1	2	1
SANTA BARBARA.....	1	(1)	1	(1)
SAN PEDRO.....	4,028	1,407	46,509	15,868
SAN DIEGO.....	7,548	2,682	35,944	12,671
TOTAL	11,579	4,090	82,456	28,540
HAWAII, TOTAL.....	7,719	3,707	7,719	3,707
GRAND TOTAL, SKIPJACK	19,304	7,799	92,161	32,991
YELLOWFIN:				
WASHINGTON, COLUMBIA RIVER, TOTAL				
	(1)	(1)	(1)	(1)
OREGON, COLUMBIA RIVER, TOTAL.....				
	(1)	(1)	3,878	1,563
CALIFORNIA:				
SAN PEDRO.....	1,413	535	116,726	45,113
SAN DIEGO.....	2,707	1,048	78,870	30,719
TOTAL	4,120	1,583	195,596	75,832
HAWAII, TOTAL.....	1,930	2,038	1,930	2,038
GRAND TOTAL, YELLOWFIN	6,050	3,621	201,404	79,433
UNCLASSIFIED:				
HAWAII, TOTAL.....				
	(1)	(1)	(1)	(1)
GRAND TOTAL, UNCLASSIFIED.....				
	(1)	(1)	(1)	(1)
GRAND TOTAL.....	51,293	26,303	329,818	131,483

(1) LESS THAN 500 POUNDS OR \$500.

REVIEW OF CERTAIN MAJOR FISHERIES

LANDINGS OF TUNA BY U.S. FLAG VESSELS, BY OCEAN OF CAPTURE AND SPECIES, 1965-77

YEAR	ATLANTIC OCEAN					
	BLUEFIN	LITTLE	SKIPJACK	YELLOWFIN	UNCLASSIFIED	TOTAL
	THOUSAND POUNDS					
1965	7,020	22	141	-	251	7,434
1966	2,730	47	87	-	8	2,872
1967	5,114	15	950	1,620	23	7,722
1968	1,779	13	6,844	13,454	4	22,094
1969	2,703	16	12,592	38,346	2	53,659
1970	7,335	254	23,668	25,658	-	56,915
1971	6,987	10	30,276	9,248	110	46,631
1972	4,927	10	27,505	25,482	-	(2) 57,942
1973	3,198	14	40,209	6,144	(3)	49,565
1974	2,350	20	(4) 29,278	10,976	1	42,625
1975	5,012	4	(5) 23,277	30,230	3	58,526
1976	4,053	11	(7) 3,590	3,921	5	11,580
1977	4,421	23	11,958	11,491	1	(2) 27,898

YEAR	PACIFIC OCEAN					
	ALBACORE	BLUEFIN (1)	LITTLE	SKIPJACK	YELLOWFIN	TOTAL
	THOUSAND POUNDS					
1965	37,220	16,794	15	142,845	169,163	366,037
1966	36,991	36,979	28	98,436	158,564	330,998
1967	48,367	14,905	49	195,998	159,209	418,528
1968	55,902	13,500	27	108,672	201,333	379,434
1969	48,138	15,945	37	71,724	249,647	385,491
1970	56,140	9,132	17	91,722	278,970	435,981
1971	49,841	17,723	23	170,208	190,490	428,285
1972	60,388	26,396	29	62,329	327,618	476,758
1973	39,490	20,925	25	64,334	345,724	470,498
1974	48,818	14,230	35	(4) 120,198	325,287	508,568
1975	48,979	17,732	54	(5) 132,997	310,801	(6) 510,365
1976	41,082	21,392	76	(7) 200,710	389,238	(6) 653,333
1977	25,351	10,827	75	119,917	273,472	429,642

YEAR	TOTAL						
	ALBACORE	BLUEFIN (1)	LITTLE	SKIPJACK	YELLOWFIN	UNCLASSIFIED	TOTAL
	THOUSAND POUNDS						
1965	37,220	23,814	37	142,986	169,163	251	373,471
1966	36,991	39,709	75	98,523	158,564	8	333,870
1967	48,367	20,019	64	196,948	160,829	23	426,250
1968	55,902	15,279	40	115,516	214,787	4	401,528
1969	48,138	18,648	53	84,316	287,993	2	439,150
1970	56,140	16,467	271	115,390	304,628	-	492,896
1971	49,841	24,710	33	200,484	199,738	110	474,916
1972	(2) 60,406	31,323	39	89,834	353,098	-	534,700
1973	39,490	24,123	39	104,543	351,868	(3)	520,063
1974	48,818	16,580	55	(4) 149,476	336,263	1	551,193
1975	48,979	22,744	58	(5) 156,274	340,831	5	568,891
1976	41,082	25,445	87	(7) 204,300	393,159	840	664,913
1977	(2) 25,355	15,248	98	131,875	284,963	1	457,540

(1) INCLUDES DATA ON LANDINGS OF BIGEYE TUNA IN HAWAII AND CALIFORNIA.

(2) INCLUDES 18,000 POUNDS OF ALBACORE TAKEN IN THE ATLANTIC OCEAN IN 1972 AND 4,000 POUNDS IN 1977.

(3) LESS THAN 500 POUNDS.

(4) INCLUDES 60,000 POUNDS OF BLACK SKIPJACK IN THE ATLANTIC OCEAN AND 86,000 POUNDS IN THE PACIFIC OCEAN IN 1974.

(5) INCLUDES 60,000 POUNDS OF BLACK SKIPJACK IN THE ATLANTIC OCEAN AND 62,000 POUNDS IN THE PACIFIC OCEAN IN 1975.

(6) INCLUDES 2,000 POUNDS OF UNCLASSIFIED TUNA IN 1975 AND 835,000 POUNDS IN 1976 IN THE PACIFIC OCEAN.

(7) INCLUDES 26,000 POUNDS OF BLACK SKIPJACK IN THE ATLANTIC OCEAN AND 294,000 POUNDS IN THE PACIFIC OCEAN IN 1976.

NOTE:—INCLUDES LANDINGS IN PUERTO RICO, AMERICAN SAMOA, AND AT FOREIGN PORTS FOR EXPORT TO FOREIGN COUNTRIES.

U.S. MENHADEN FISHERY, 1977

Landings of menhaden were 1.8 billion pounds worth \$68.2 million—a decrease of 243,000 pounds (12 percent) in volume and an increase of \$1.0 million (1 percent) in value compared with 1976. Menhaden catch for 1977 has not been shown by State or region so that confidential data would not be disclosed. There were 2,140 fishermen, 139 vessels, and 260 boats employed in the menhaden purse seine fishery.

SUMMARY OF MENHADEN PURSE SEINE VESSELS, BY TONNAGE GROUPS, 1977

GROSS TONNAGE	NEW ENGLAND				MIDDLE ATLANTIC, NEW JERSEY, TOTAL, EXCLUSIVE OF DUPLICATION	CHESAPEAKE, VIRGINIA, TOTAL, EXCLUSIVE OF DUPLICATION
	MAINE	MASSACHUSETTS	RHODE ISLAND	TOTAL, EXCLUSIVE OF DUPLICATION		
	NUMBER					
0 — 9.....	-	-	-	-	-	2
10 — 19.....	-	-	-	-	1	-
20 — 29.....	-	-	-	-	-	1
30 — 39.....	2	-	-	2	-	-
40 — 49.....	-	-	-	-	1	1
50 — 59.....	1	1	1	1	-	-
60 — 69.....	1	-	-	1	-	-
70 — 79.....	-	-	2	2	-	-
80 — 89.....	-	-	-	-	-	-
90 — 99.....	-	-	-	-	-	-
100 — 109.....	1	-	-	1	-	-
110 — 119.....	1	-	-	1	-	-
120 — 129.....	1	-	-	1	-	-
130 — 139.....	1	-	-	1	-	-
140 — 149.....	1	1	-	1	-	-
150 — 159.....	1	-	-	1	-	-
160 — 169.....	1	-	-	1	-	1
170 — 179.....	-	1	-	1	-	2
180 — 189.....	-	-	-	-	-	5
190 — 199.....	-	-	-	-	-	4
200 — 209.....	-	-	-	-	-	1
210 — 219.....	-	-	-	-	1	-
220 — 229.....	1	1	-	1	-	2
230 — 239.....	-	-	-	-	-	5
240 — 249.....	-	-	-	-	-	4
250 — 259.....	-	-	-	-	-	1
260 — 269.....	-	-	-	-	-	-
270 — 279.....	-	-	-	-	-	-
280 — 289.....	-	-	-	-	1	6
290 — 299.....	-	-	-	-	1	3
300 — 309.....	-	-	-	-	-	5
310 — 319.....	-	-	-	-	1	-
320 — 329.....	-	-	-	-	1	-
330 — 339.....	-	-	-	-	1	-
340 — 349.....	-	-	-	-	-	1
350 — 359.....	-	-	-	-	1	-
360 — 369.....	-	-	-	-	1	-
370 — 379.....	-	-	-	-	1	-
380 — 389.....	-	-	-	-	-	1
390 — 399.....	-	-	-	-	1	-
400 — 409.....	-	-	-	-	-	1
410 — 419.....	-	-	-	-	-	-
420 — 429.....	-	-	-	-	-	-
430 — 439.....	-	-	-	-	-	-
440 — 449.....	-	-	-	-	-	-
450 — 459.....	-	-	-	-	-	-
460 — 469.....	-	-	-	-	-	-
470 — 479.....	-	-	-	-	-	-
480 — 489.....	-	-	-	-	-	-
490 — 499.....	-	-	-	-	-	-
500 — 509.....	-	-	-	-	-	-
510 — 519.....	-	-	-	-	-	-
520 — 529.....	-	-	-	-	-	-
530 — 539.....	-	-	-	-	-	-
540 — 549.....	-	-	-	-	-	-
550 — 559.....	-	-	-	-	-	-
560 — 569.....	-	-	-	-	-	-
570 — 579.....	-	-	-	-	-	-
580 — 589.....	-	-	-	-	-	-
590 — 599.....	-	-	-	-	-	-
600 — 609.....	-	-	-	-	-	-
610 — 619.....	-	-	-	-	-	-
620 — 629.....	-	-	-	-	-	-
630 — 639.....	-	-	-	-	-	-
640 — 649.....	-	-	-	-	-	-
650 — 659.....	-	-	-	-	-	-
660 — 669.....	-	-	-	-	-	-
670 — 679.....	-	-	-	-	-	-
680 — 689.....	-	-	-	-	-	-
690 — 699.....	-	-	-	-	-	-
700 — 709.....	-	-	-	-	-	-
710 — 719.....	-	-	-	-	-	-
720 — 729.....	-	-	-	-	-	-
TOTAL VESSELS.....	10	3	3	12	10	33
TOTAL GROSS TONNAGE.....	1,237	507	268	1,430	4,332	12,341

GROSS TONNAGE	SOUTH ATLANTIC			GULF			GRAND TOTAL, EXCLUSIVE OF DUPLICATION
	NORTH CAROLINA	FLORIDA, EAST COAST	TOTAL, EXCLUSIVE OF DUPLICATION	MISSISSIPPI	LOUISIANA	TOTAL, EXCLUSIVE OF DUPLICATION	
	THOUSAND POUNDS						
0 — 9.....	-	-	-	-	-	-	2
10 — 19.....	-	-	-	-	-	-	1
20 — 29.....	-	-	-	-	-	-	1
30 — 39.....	-	-	-	-	-	-	2
40 — 49.....	1	-	1	-	-	-	3
50 — 59.....	1	-	1	-	-	-	1
60 — 69.....	1	-	1	-	-	-	2
70 — 79.....	-	-	-	-	-	-	1
80 — 89.....	-	-	-	-	-	-	1
90 — 99.....	2	-	2	-	-	-	4
100 — 109.....	-	-	-	-	-	-	1
110 — 119.....	-	-	-	-	1	1	1
120 — 129.....	-	-	-	-	-	-	1
130 — 139.....	-	-	-	-	-	-	2
140 — 149.....	-	1	1	-	-	-	1
150 — 159.....	1	-	1	-	-	-	1
160 — 169.....	-	-	-	1	-	1	1
170 — 179.....	-	-	-	1	2	3	4
180 — 189.....	-	-	-	1	-	1	2
190 — 199.....	1	-	1	1	-	1	2

(CONTINUED ON NEXT PAGE)

REVIEW OF CERTAIN MAJOR FISHERIES

SUMMARY OF MENHADEN PURSE SEINE VESSELS, BY TONNAGE GROUPS, 1977 - Continued

GROSS TONNAGE	SOUTH ATLANTIC			GULF			GRAND TOTAL, EXCLUSIVE OF DUPLICATION
	NORTH CAROLINA	FLORIDA, EAST COAST	TOTAL, EXCLUSIVE OF DUPLICATION	MISSISSIPPI	LOUISIANA	TOTAL, EXCLUSIVE OF DUPLICATION	
	THOUSAND POUNDS						
200 - 209	-	1	1	-	-	-	1
220 - 229	-	-	-	1	2	3	3
230 - 239	-	-	-	-	1	1	1
240 - 249	1	-	1	-	3	3	6
250 - 259	1	-	1	-	1	1	7
260 - 269	3	-	3	-	1	1	6
270 - 279	-	-	-	-	2	2	2
280 - 289	-	-	-	-	1	1	1
290 - 299	1	-	1	2	5	6	7
310 - 319	-	-	-	1	2	3	3
320 - 329	-	-	-	-	1	1	1
330 - 339	-	-	-	-	1	1	1
360 - 369	-	-	-	-	2	2	2
370 - 379	-	-	-	-	3	3	3
380 - 389	-	-	-	-	2	2	2
410 - 419	-	-	-	-	1	1	1
430 - 439	-	-	-	-	1	1	1
450 - 459	-	-	-	1	1	1	1
460 - 469	-	-	-	-	1	1	1
470 - 479	-	-	-	-	3	3	3
480 - 489	-	-	-	-	2	2	2
490 - 499	-	-	-	-	3	3	3
500 - 509	-	-	-	-	1	1	1
510 - 519	1	-	1	-	3	3	3
520 - 529	-	-	-	2	5	5	5
530 - 539	1	-	1	3	15	16	21
540 - 549	-	-	-	-	-	-	3
550 - 559	-	-	-	-	1	1	6
560 - 569	-	-	-	-	1	1	1
570 - 579	-	-	-	-	-	-	1
600 - 609	-	-	-	-	1	1	1
610 - 619	-	-	-	-	-	-	1
630 - 639	1	-	1	-	-	-	1
640 - 649	-	-	-	-	2	2	3
650 - 659	1	-	1	-	-	-	1
670 - 679	1	-	1	-	-	-	1
720 - 729	1	-	1	-	-	-	1
750 - 759	1	-	1	-	-	-	1
TOTAL VESSELS	20	2	22	13	71	78	139
TOTAL GROSS TONNAGE	6,780	348	7,128	4,800	30,022	31,954	50,339

SUMMARY OF MENHADEN PURSE SEINE OPERATING UNITS, 1977

AREA AND STATE	VESSELS		BOATS		FISHERMEN	PURSE SEINES
			MOTOR	OTHER		
	NUMBER	GROSS TONNAGE	NUMBER			
NEW ENGLAND:						
MAINE	10	1,237	10	-	55	10
MASSACHUSETTS	3	507	2	2	26	3
RHODE ISLAND	3	268	6	-	24	3
TOTAL, EXCLUSIVE OF DUPLICATION	12	1,430	14	1	77	12
MIDDLE ATLANTIC, NEW JERSEY, TOTAL, EXCLUSIVE OF DUPLICATION	10	4,332	10	-	148	10
CHESAPEAKE, VIRGINIA, TOTAL, EXCLUSIVE OF DUPLICATION	33	12,341	60	-	491	33
SOUTH ATLANTIC:						
NORTH CAROLINA	20	6,780	40	-	409	20
FLORIDA, EAST COAST	2	348	4	-	45	2
TOTAL EXCLUSIVE OF DUPLICATION	22	7,128	44	-	381	22
GULF:						
MISSISSIPPI	13	4,800	26	-	230	13
LOUISIANA	71	30,022	142	-	1,180	71
TOTAL EXCLUSIVE OF DUPLICATION	78	31,954	156	-	1,295	78
GRAND TOTAL, EXCLUSIVE OF DUPLICATION	139	50,339	258	2	2,140	139

U.S. CLAM FISHERY, 1977

U.S. landings of all species of clams in 1977 were 97.3 million pounds of meats valued at \$74.4 million. This was an increase of 18 percent in volume and 16 percent in value compared with the previous year. The principal reason for the increase was large landings of ocean quahog in New Jersey. Only landings of hard and soft clams showed a slight decline compared with 1976.

Surf clams, landed mainly in New Jersey, accounted for 53 percent of the U.S. production; ocean quahog, 18 percent; hard, 15 percent; and soft clams, 11 percent. The rest consisted of cockle, geoduck, razor, and unclassified clams. Landings of ocean quahog were 17.7 million pounds—up 217 percent from 1976 and centered mainly off the New Jersey coast. The New Jersey landings of 38.4 million pounds accounted for 39 percent of the total U.S. landings and a 27 percent increase over 1976 for the State.

The Middle Atlantic States were the major producers of clam meats with 52 percent of the catch, followed by the Chesapeake States with 28 percent; the New England States, 15 percent; the Pacific Coast States, 4 percent; and the South Atlantic States, 1 percent.

Dredges accounted for 75 percent of the U.S. landings of all species; followed by hoes, 9 percent; rakes, 6 percent; tongs, 5 percent; and diving outfits, 3 percent. The remainder were taken by otter trawls, shovels, picks, and by hand.

SUMMARY OF CLAM LANDINGS, 1977

AREA AND STATE	COCKLE		GEODUCK		HARD	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
NEW ENGLAND:						
MAINE	-	-	-	-	1	3
MASSACHUSETTS	-	-	-	-	620	1,285
RHODE ISLAND	-	-	-	-	1,586	2,864
CONNECTICUT	-	-	-	-	180	150
TOTAL	-	-	-	-	2,387	4,302
MIDDLE ATLANTIC:						
NEW YORK	-	-	-	-	8,530	18,063
NEW JERSEY	-	-	-	-	1,068	1,454
DELAWARE	-	-	-	-	38	57
TOTAL	-	-	-	-	9,636	19,574
CHESAPEAKE:						
MARYLAND	-	-	-	-	27	35
VIRGINIA	-	-	-	-	1,020	1,318
TOTAL	-	-	-	-	1,047	1,353
SOUTH ATLANTIC:						
NORTH CAROLINA	-	-	-	-	739	1,069
SOUTH CAROLINA	-	-	-	-	177	229
FLORIDA, EAST COAST	-	-	-	-	148	205
TOTAL	-	-	-	-	1,064	1,503
PACIFIC:						
WASHINGTON	(1)	(1)	2,853	1,583	556	493
OREGON	(1)	(1)	-	-	(1)	1
TOTAL	(1)	(1)	2,853	1,583	556	494
GRAND TOTAL	(1)	(1)	2,853	1,583	14,690	27,226

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

REVIEW OF CERTAIN MAJOR FISHERIES

SUMMARY OF CLAM LANDINGS, 1977 - Continued

AREA AND STATE	OCEAN QUAHOG		RAZOR		SOFT	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
NEW ENGLAND:						
MAINE	-	-	-	-	7,835	9,272
MASSACHUSETTS	166	48	2	1	574	996
RHODE ISLAND	2,799	794	-	-	4	6
TOTAL	2,965	842	2	1	8,413	10,274
MIDDLE ATLANTIC:						
NEW YORK	-	-	4	1	31	46
NEW JERSEY	14,117	4,243	-	-	88	88
TOTAL	14,117	4,243	4	1	119	134
CHESAPEAKE, MARYLAND, TOTAL	661	196	-	-	1,654	2,613
PACIFIC:						
ALASKA	-	-	2	3	-	-
WASHINGTON	-	-	143	302	89	96
OREGON	-	-	19	37	(1)	1
TOTAL	-	-	164	342	89	97
GRAND TOTAL	17,743	5,281	170	344	10,275	13,118
AREA AND STATE	SURF		UNCLASSIFIED		TOTAL	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
NEW ENGLAND:						
MAINE	-	-	-	-	7,836	9,275
MASSACHUSETTS	484	343	-	-	1,846	2,673
RHODE ISLAND	198	113	-	-	4,587	3,777
CONNECTICUT	-	-	-	-	180	150
TOTAL	682	456	-	-	14,449	15,875
MIDDLE ATLANTIC:						
NEW YORK	3,425	1,108	-	-	11,990	19,218
NEW JERSEY	23,130	11,784	-	-	38,403	17,569
DELAWARE	-	-	-	-	38	57
TOTAL	26,555	12,892	-	-	50,431	36,844
CHESAPEAKE:						
MARYLAND	8,393	4,703	-	-	10,735	7,547
VIRGINIA	15,791	8,684	-	-	16,811	10,002
TOTAL	24,184	13,387	-	-	27,546	17,549
SOUTH ATLANTIC:						
NORTH CAROLINA	-	-	-	-	739	1,069
SOUTH CAROLINA	-	-	-	-	177	229
FLORIDA, EAST COAST	-	-	-	-	148	205
TOTAL	-	-	-	-	1,064	1,503
PACIFIC:						
ALASKA	-	-	-	-	2	3
WASHINGTON	-	-	131	56	3,772	2,530
OREGON	-	-	55	57	74	96
CALIFORNIA	-	-	1	(1)	1	(1)
TOTAL	-	-	187	113	3,849	2,629
GRAND TOTAL	51,421	26,735	187	113	97,339	74,400

(1) LESS THAN 500 POUNDS OR \$500.

SUMMARY OF CLAM LANDINGS OF CATCH BY GEAR, 1977

GEAR	COCKLE		GEODUCK		HARD	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
OTTER TRAWLS	-	-	-	-	546	820
DREDGES	-	-	-	-	2,387	4,095
TONGS	-	-	-	-	4,510	8,857
RAKES	-	-	-	-	6,040	12,059
HOES	-	-	-	-	1	3
SHOVELS	(1)	(1)	-	-	434	415
PICKS	-	-	-	-	269	325
DIVING OUTFITS	-	-	2,853	1,583	-	-
BY HAND	-	-	-	-	503	652
TOTAL	(1)	(1)	2,853	1,583	14,690	27,226

GEAR	OCEAN QUAHOG		RAZOR		SOFT	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
DREDGES	17,742	5,281	-	-	1,658	2,615
RAKES	1	(1)	7	2	114	199
HOES	-	-	-	-	8,417	10,209
SHOVELS	-	-	163	342	86	95
BY HAND	-	-	-	-	-	-
TOTAL	17,743	5,281	170	344	10,275	13,118

GEAR	SURF		MIXED		TOTAL	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
OTTER TRAWLS	-	-	-	-	546	820
DREDGES	51,391	26,713	131	55	73,309	38,759
TONGS	29	21	-	-	4,539	8,878
RAKES	1	1	-	-	6,163	12,261
HOES	-	-	-	-	8,418	10,212
SHOVELS	-	-	55	58	738	910
PICKS	-	-	-	-	269	325
DIVING OUTFITS	-	-	-	-	2,853	1,583
BY HAND	-	-	1	(1)	504	652
TOTAL	51,421	26,735	187	113	97,339	74,400

(1) LESS THAN 500 POUNDS OR \$500.

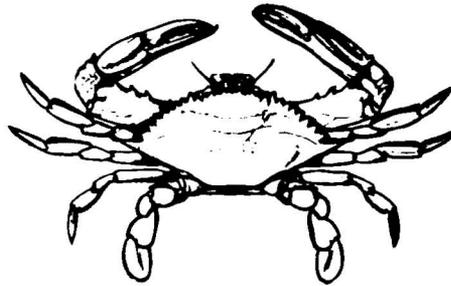
REVIEW OF CERTAIN MAJOR FISHERIES

U.S. CRAB FISHERY, 1977

Landings of crabs were 412.8 million pounds valued at \$204.8 million—increases of 19 percent in volume and 52 percent in value compared with 1976. Landings showed decreases in 1977 for soft blue, king, and red crabs. The largest decline in landings were in the Middle Atlantic States where 6.8 million pounds were landed in 1976 and only 1.8 million pounds (down 74 percent) in 1977. Dungeness crab landings of 69.7 million pounds showed the largest increase, 102 percent; followed by jonah, 46 percent; stone, 39 percent; snow, 22 percent; and blue hard increased 18 percent compared with 1976. Oregon accounted for most of the increase with landings of 19.9 million pounds (up 144 percent) in 1977 compared with 8.1 million pounds in 1976. Landings also increased significantly in California (114 percent) and Washington (65 percent) compared with 1976.

The Pacific Coast States led in volume with 267.6 million pounds (65 percent of the total), followed by the Chesapeake States, 59.5 million (14 percent); the Gulf States, 48.0 million (12 percent); and the South Atlantic States, 30.7 million pounds (7 percent). The rest were taken in the New England and Middle Atlantic States, and Hawaii.

Pots accounted for 97 percent; of the U.S. landings of all species; followed by lines, 1 percent; and dredges, 1 percent. The remainder were taken by otter trawls, nets (butterfly, dip, gill, lift, and pound), scrapes, and brush traps.



BLUE CRAB

SUMMARY OF CRAB POT OPERATING UNITS, 1977

ITEM	NEW ENGLAND				MIDDLE ATLANTIC			
	NEW HAMPSHIRE	MASSACHUSETTS	RHODE ISLAND	TOTAL EXCLUSIVE OF DUPLICATION	NEW YORK	NEW JERSEY	DELAWARE	TOTAL EXCLUSIVE OF DUPLICATION
	NUMBER							
FISHERMEN:								
ON VESSELS	-	10	-	10	-	8	10	18
ON BOATS AND SHORE	25	2	2	29	4	83	107	193
TOTAL FISHERMEN	25	12	2	39	4	91	117	211
VESSELS, MOTOR:								
0 — 9	-	-	-	-	-	1	-	1
10 — 19	-	-	-	-	-	4	6	10
160 — 169 TONS	-	1	-	1	-	-	-	-
TOTAL VESSELS	-	1	-	1	-	5	6	11
TOTAL GROSS TONNAGE	-	166	-	166	-	65	78	143
BOATS, MOTOR	15	2	1	18	4	70	62	136
GEAR	450	460	40	950	325	5,181	6,665	12,171

(CONTINUED ON NEXT PAGE)

SUMMARY OF CRAB POT OPERATING UNITS, 1977 - Continued

ITEM	CHESAPEAKE			SOUTH ATLANTIC				
	MARYLAND	VIRGINIA	TOTAL, EXCLUSIVE OF DUPLI- CATION	NORTH CAROLINA	SOUTH CAROLINA	GEORGIA	FLORIDA, EAST COAST	TOTAL, EXCLUSIVE OF DUPLI- CATION
	NUMBER							
FISHERMEN:								
ON VESSELS	416	519	920	39	-	-	21	60
ON BOATS AND SHORE	1,248	1,642	2,890	412	458	298	117	1,285
TOTAL FISHERMEN	1,664	2,161	3,810	451	458	298	138	1,345
VESSELS, MOTOR:								
0 — 9 TONS	234	274	506	17	-	-	-	17
10 — 19 TONS	105	66	171	5	-	-	3	8
20 — 29 TONS	7	6	13	-	-	-	2	2
30 — 39 TONS	1	1	2	-	-	-	1	1
40 — 49 TONS	-	-	-	-	-	-	1	1
120 — 129 TONS	1	-	1	-	-	-	-	-
170 — 179 TONS	1	-	1	-	-	-	-	-
TOTAL VESSELS	349	347	694	22	-	-	7	29
TOTAL GROSS TONNAGE	3,455	2,832	6,277	176	-	-	162	338
BOATS, MOTOR	1,167	1,355	2,522	398	339	220	117	1,074
GEAR	143,240	166,740	309,755	63,137	20,290	14,025	15,595	113,047
	GULF							
ITEM	FLORIDA, WEST COAST	ALABAMA	MISSISSIPPI	LOUISIANA	TEXAS	TOTAL, EXCLUSIVE OF DUPLICATION		
	NUMBER							
FISHERMEN:								
ON VESSELS	138	-	-	-	-	-	-	138
ON BOATS AND SHORE	494	76	66	961	167	-	-	1,764
TOTAL FISHERMEN	632	76	66	961	167	-	-	1,902
VESSELS, MOTOR:								
0 — 9 TONS	15	-	-	-	-	-	-	15
10 — 19 TONS	29	-	-	-	-	-	-	29
20 — 29 TONS	8	-	-	-	-	-	-	8
30 — 39 TONS	8	-	-	-	-	-	-	8
40 — 49 TONS	2	-	-	-	-	-	-	2
TOTAL VESSELS	62	-	-	-	-	-	-	62
TOTAL GROSS TONNAGE	1,046	-	-	-	-	-	-	1,046
BOATS, MOTOR	421	72	57	933	167	-	-	1,650
GEAR	309,755	12,600	4,580	134,125	21,500	-	-	482,560
	PACIFIC							
ITEM	ALASKA	WASHINGTON	OREGON	CALIFORNIA	TOTAL, EXCLUSIVE OF DUPLICATION			
	NUMBER							
FISHERMEN:								
ON VESSELS	1,434	390	693	872	-	-	-	3,264
ON BOATS AND SHORE	210	240	111	420	-	-	-	981
TOTAL FISHERMEN	1,644	630	804	1,292	-	-	-	4,245
VESSELS, MOTOR:								
0 — 9 TONS	15	30	46	61	-	-	-	148
10 — 19 TONS	86	84	109	187	-	-	-	449
20 — 29 TONS	39	36	47	88	-	-	-	197
30 — 39 TONS	40	41	27	41	-	-	-	140
40 — 49 TONS	31	19	22	29	-	-	-	96
50 — 59 TONS	29	8	7	12	-	-	-	51
60 — 69 TONS	16	8	4	10	-	-	-	36
70 — 79 TONS	11	2	2	3	-	-	-	17
80 — 89 TONS	8	1	3	2	-	-	-	14
90 — 99 TONS	13	1	3	1	-	-	-	17
100 — 109 TONS	8	-	1	1	-	-	-	10
110 — 119 TONS	8	3	2	-	-	-	-	10
120 — 129 TONS	11	2	2	-	-	-	-	13
130 — 139 TONS	16	-	-	-	-	-	-	16
140 — 149 TONS	7	-	-	-	-	-	-	7
150 — 159 TONS	12	1	-	-	-	-	-	13

(CONTINUED ON NEXT PAGE)

REVIEW OF CERTAIN MAJOR FISHERIES

SUMMARY OF CRAB POT OPERATING UNITS, 1977 - Continued

ITEM	PACIFIC				TOTAL EXCLUSIVE OF DUPLICATION
	ALASKA	WASHINGTON	OREGON	CALIFORNIA	
	-----NUMBER-----				
VESSELS, MOTOR - CONTD					
160 - 169 TONS	21	.	.	.	21
170 - 179 TONS	9	.	.	.	9
180 - 189 TONS	16	.	.	.	16
190 - 199 TONS	68	.	.	.	68
220 - 229 TONS	1	.	.	.	1
250 - 259 TONS	1	.	.	.	1
280 - 289 TONS	1	.	.	.	1
290 - 299 TONS	3	.	.	.	3
320 - 329 TONS	2	.	.	.	2
360 - 369 TONS	1	.	.	.	1
380 - 389 TONS	1	.	.	.	1
490 - 499 TONS	3	.	.	.	3
530 - 539 TONS	1	.	.	.	1
690 - 699 TONS	.	.	.	1	1
TOTAL VESSELS	478	236	275	436	1,383
TOTAL GROSS TONNAGE	45,003	6,579	6,834	10,378	68,513
BOATS, MOTOR	105	160	74	210	549
GEAR	78,334	33,348	73,429	83,980	262,151

SUMMARY OF CRAB TROT LINE OPERATING UNITS, 1977

ITEM	CHESAPEAKE		SOUTH ATLANTIC		GULF, LOUISIANA	TOTAL EXCLUSIVE OF DUPLICATION
	MARYLAND	VIRGINIA	NORTH CAROLINA	SOUTH CAROLINA		
	-----NUMBER-----					
FISHERMEN:						
ON VESSELS	438	.	2	.	.	427
ON BOATS AND SHORE	13,881	4	89	10	65	13,984
TOTAL FISHERMEN	14,319	4	91	10	65	14,411
VESSELS, MOTOR:						
0 - 9 TONS	314	.	2	.	.	318
10 - 19 TONS	86	.	.	.	.	86
20 - 29 TONS	2	.	.	.	.	2
TOTAL VESSELS	402	.	2	.	.	404
TOTAL GROSS TONNAGE	3,290	.	14	.	.	3,304
BOATS, MOTOR	11,279	4	64	10	65	11,422
GEAR	14,299	4	66	10	65	14,444

SUMMARY OF CRAB DREDGE OPERATING UNITS, 1977

ITEM	MIDDLE ATLANTIC		CHESAPEAKE, VIRGINIA	TOTAL, EXCLUSIVE OF DUPLICATION
	NEW JERSEY	DELAWARE		
	-----NUMBER-----			
FISHERMEN:				
ON VESSELS	50	44	336	430
ON BOATS AND SHORE	21	16	12	49
TOTAL	71	60	348	479
VESSELS, MOTOR:				
0 - 9 TONS	1	1	46	48
10 - 19 TONS	9	6	48	63
20 - 29 TONS	5	4	18	27
30 - 39 TONS	2	4	8	14
40 - 49 TONS	2	1	2	5
70 - 79 TONS	.	1	1	2
TOTAL VESSELS	19	17	123	159
TOTAL GROSS TONNAGE	411	450	1,815	2,676
BOATS, MOTOR	16	8	5	29
GEAR	62	35	249	346

SUMMARY OF CRAB LANDINGS, 1977

AREA AND STATE	BLUE				DUNGENESS		GREEN	
	HARD		SOFT AND PEELER					
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
NEW ENGLAND, RHODE ISLAND, TOTAL.....	-	-	-	-	-	-	4	1
MIDDLE ATLANTIC:								
NEW YORK.....	13	6	-	-	-	-	-	-
NEW JERSEY.....	391	147	5	2	-	-	-	-
DELAWARE.....	861	302	18	22	-	-	-	-
TOTAL.....	1,265	455	23	24	-	-	-	-
CHESAPEAKE:								
MARYLAND.....	20,159	4,906	1,164	1,398	-	-	-	-
VIRGINIA.....	37,178	6,723	695	587	-	-	-	-
TOTAL.....	57,337	11,629	1,859	1,985	-	-	-	-
SOUTH ATLANTIC:								
NORTH CAROLINA.....	12,221	2,148	16	17	-	-	-	-
SOUTH CAROLINA.....	7,333	1,565	-	-	-	-	-	-
GEORGIA.....	7,722	1,632	-	-	-	-	-	-
FLORIDA, EAST COAST.....	3,424	779	(1)	(1)	-	-	-	-
TOTAL.....	30,700	6,124	16	17	-	-	-	-
GULF:								
FLORIDA, WEST COAST.....	15,832	3,119	-	-	-	-	-	-
ALABAMA.....	2,174	548	-	-	-	-	-	-
MISSISSIPPI.....	1,919	473	-	-	-	-	-	-
LOUISIANA.....	16,154	3,765	225	570	-	-	-	-
TEXAS.....	8,249	1,947	-	-	-	-	-	-
TOTAL.....	44,328	9,852	225	570	-	-	-	-
PACIFIC:								
ALASKA.....	-	-	-	-	1,162	436	-	-
WASHINGTON.....	-	-	-	-	14,949	7,020	-	-
OREGON.....	-	-	-	-	19,902	8,462	-	-
CALIFORNIA.....	-	-	-	-	33,648	15,749	-	-
TOTAL.....	-	-	-	-	69,661	31,667	-	-
GRAND TOTAL.....	133,630	28,060	2,123	2,596	69,661	31,667	4	1

AREA AND STATE	JONAH		KING		RED		ROCK	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
NEW ENGLAND:								
MAINE.....	-	-	-	-	-	-	1,434	142
NEW HAMPSHIRE.....	-	-	-	-	-	-	23	2
MASSACHUSETTS.....	-	-	-	-	-	-	-	-
RHODE ISLAND.....	799	138	-	-	7	2	95	19
TOTAL.....	799	138	-	-	7	2	1,552	163
MIDDLE ATLANTIC:								
NEW YORK.....	286	83	-	-	-	-	2	(1)
NEW JERSEY.....	-	-	-	-	-	-	180	22
DELAWARE.....	2	1	-	-	12	6	-	-
TOTAL.....	288	84	-	-	12	6	182	22
CHESAPEAKE:								
MARYLAND.....	13	2	-	-	304	122	-	-
VIRGINIA.....	2	1	-	-	-	-	(1)	(1)
TOTAL.....	15	3	-	-	304	122	(1)	(1)
PACIFIC:								
ALASKA.....	-	-	98,399	102,029	-	-	-	-
CALIFORNIA.....	-	-	-	-	-	-	1,083	316
TOTAL.....	-	-	98,399	102,029	-	-	1,083	316
GRAND TOTAL.....	1,102	225	98,399	102,029	323	130	2,817	501

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

REVIEW OF CERTAIN MAJOR FISHERIES

SUMMARY OF CRAB LANDINGS, 1977 - Continued

AREA AND STATE	SNOW		STONE		UNCLASSIFIED		TOTAL	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
NEW ENGLAND:								
MAINE	-	-	-	-	-	-	1,434	142
NEW HAMPSHIRE	-	-	-	-	-	-	23	2
MASSACHUSETTS	-	-	-	-	2,747	922	2,747	922
RHODE ISLAND	-	-	-	-	-	-	905	160
TOTAL	-	-	-	-	2,747	922	5,109	1,226
MIDDLE ATLANTIC:								
NEW YORK	-	-	-	-	-	-	301	89
NEW JERSEY	-	-	-	-	-	-	576	171
DELAWARE	-	-	-	-	-	-	893	331
TOTAL	-	-	-	-	-	-	1,770	591
CHESAPEAKE:								
MARYLAND	-	-	-	-	-	-	21,640	6,428
VIRGINIA	-	-	-	-	(1)	(1)	37,875	7,311
TOTAL	-	-	-	-	(1)	(1)	59,515	13,739
SOUTH ATLANTIC:								
NORTH CAROLINA	-	-	-	-	-	-	12,237	2,165
SOUTH CAROLINA	-	-	-	-	-	-	7,333	1,565
GEORGIA	-	-	-	-	-	-	7,722	1,632
FLORIDA, EAST COAST	-	-	26	25	-	-	3,450	804
TOTAL	-	-	26	25	-	-	30,742	6,166
GULF:								
FLORIDA, WEST COAST	-	-	3,428	3,046	-	-	19,260	6,165
ALABAMA	-	-	-	-	-	-	2,174	548
MISSISSIPPI	-	-	-	-	-	-	1,919	473
LOUISIANA	-	-	-	-	-	-	16,379	4,335
TEXAS	-	-	-	-	-	-	8,249	1,947
TOTAL	-	-	3,428	3,046	-	-	47,981	13,468
PACIFIC:								
ALASKA	98,463	35,466	-	-	-	-	198,024	137,931
WASHINGTON	-	-	-	-	-	-	14,949	7,020
OREGON	-	-	-	-	-	-	19,902	8,462
CALIFORNIA	-	-	-	-	2	1	34,733	16,066
TOTAL	98,463	35,466	-	-	2	1	267,608	169,479
HAWAII, TOTAL	-	-	-	-	49	105	49	105
GRAND TOTAL	98,463	35,466	3,454	3,071	2,798	1,028	412,774	204,774

(1) LESS THAN 500 POUNDS OR \$500.

SUMMARY OF CRAB LANDINGS OF CATCH BY GEAR, 1977

GEAR	BLUE				DUNGENESS		GREEN	
	HARD		SOFT AND PEELER					
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
BUTTERFLY NETS.....	6	2	-	-	-	-	-	-
OTTER TRAWLS.....	3,200	653	6	6	37	19	-	-
POUND NETS.....	58	15	354	352	-	-	-	-
POTS.....	116,566	24,314	680	713	69,609	31,640	4	1
LINES.....	7,037	1,637	45	55	-	-	-	-
DIP NETS.....	10	2	16	25	15	8	-	-
SCRAPES.....	70	17	889	1,062	-	-	-	-
DREDGES.....	6,683	1,420	-	-	-	-	-	-
BRUSH TRAPS.....	-	-	153	383	-	-	-	-
TOTALS.....	133,630	28,060	2,123	2,596	69,661	31,667	4	1

GEAR	JONAH		KING		RED		ROCK	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
	OTTER TRAWLS.....	(1)	(1)	-	-	-	-	10	1
POUND NETS.....	1	(1)	-	-	-	-	-	-
POTS.....	1,101	225	98,399	102,029	323	130	2,794	496
GILL NETS.....	-	-	-	-	-	-	11	2
LINES.....	-	-	-	-	-	-	2	(1)
TOTAL.....	1,102	225	98,399	102,029	323	130	2,817	501

GEAR	SNOW		STONE		UNCLASSIFIED		TOTAL	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
	BUTTERFLY NETS.....	-	-	-	-	-	-	6	2
OTTER TRAWLS.....	-	-	-	-	2	1	3,255	680
POUND NETS.....	-	-	-	-	-	-	413	367
POTS.....	98,463	35,466	3,454	3,071	2,771	970	394,144	199,057
GILL NETS.....	-	-	-	-	(1)	(1)	11	2
LINES.....	-	-	-	-	(1)	(1)	7,064	1,692
DIP NETS.....	-	-	-	-	-	-	41	35
LIFT NETS.....	-	-	-	-	25	57	25	57
SCRAPES.....	-	-	-	-	-	-	959	1,079
DREDGES.....	-	-	-	-	-	-	6,683	1,420
BRUSH TRAPS.....	-	-	-	-	-	-	153	383
TOTAL.....	98,463	35,466	3,454	3,071	2,798	1,028	412,774	204,774

REVIEW OF CERTAIN MAJOR FISHERIES

U.S. OYSTER FISHERY, 1977

The U.S. oyster fishery produced 50.1 million pounds of meats worth a record \$57.5 million—a decrease of 4.3 million pounds (8 percent) in volume but an increase of \$3.1 million (6 percent) in value compared with 1976.

The Gulf States led in production with 19.7 million pounds (39 percent of the total), followed by the Chesapeake, 18.0 million (36 percent); the Pacific Coast, 7.2 million (14 percent); and the Middle Atlantic States, 2.4 million pounds (5 percent). The South Atlantic States and New England States accounted for the rest. New England landings were the largest since 1953.

Dredges took 25.8 million pounds (52 percent) of the oyster landings, and tongs 21.5 million pounds (43 percent). The remainder were taken by rakes, by hand, and other gear.

In Section 13 of this Digest is a table which gives the volume of the bushel measures used for oysters in the various Atlantic and Gulf States and the average yield per bushel. Supplementary shellfish tables appear after the summary table for each Atlantic and Gulf regional section.

SUMMARY OF OYSTER DREDGE OPERATING UNITS, 1977

ITEM	NEW ENGLAND			MIDDLE ATLANTIC			
	MASSACHUSETTS	CONNECTICUT	TOTAL, EXCLUSIVE OF DUPLICATION	NEW YORK	NEW JERSEY	DELAWARE	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER						
FISHERMEN:							
ON VESSELS	-	14	14	57	123	33	213
ON BOATS AND SHORE	8	-	8	-	4	-	4
TOTAL FISHERMEN	8	14	22	57	127	33	217
VESSLS, MOTOR:							
0 — 9 TONS	-	-	-	-	1	-	1
10 — 19 TONS	-	1	1	-	5	-	5
20 — 29 TONS	-	-	-	1	2	-	3
30 — 39 TONS	-	1	1	2	4	3	9
40 — 49 TONS	-	1	1	-	2	2	4
50 — 59 TONS	-	1	1	3	4	-	7
60 — 69 TONS	-	1	1	2	2	-	4
70 — 79 TONS	-	-	-	-	-	1	1
270 — 279 TONS	-	-	-	2	-	-	2
TOTAL VESSELS	-	5	5	10	20	6	36
TOTAL GROSS TONNAGE	-	207	207	922	712	265	1,899
BOATS, MOTOR	4	-	4	-	2	-	2
GEAR	4	9	13	19	42	12	73
ITEM	CHESAPEAKE			SOUTH ATLANTIC, NORTH CAROLINA	GULF		
	MARYLAND	VIRGINIA	TOTAL, EXCLUSIVE OF DUPLICATION		MISSISSIPPI	LOUISIANA	TEXAS	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER						
FISHERMEN:							
ON VESSELS	210	92	302	46	163	609	372
ON BOATS AND SHORE	160	133	293	108	114	400	102
TOTAL FISHERMEN	370	225	595	154	277	1,009	474
VESSLS, MOTOR:							
0 — 9 TONS	39	33	72	23	1	22	18
10 — 19 TONS	19	9	28	6	22	87	102
20 — 29 TONS	3	-	3	1	20	66	36
30 — 39 TONS	-	1	1	2	5	32	7
40 — 49 TONS	-	2	2	-	3	11	5
50 — 59 TONS	-	-	-	-	-	4	1
60 — 69 TONS	-	1	1	-	-	-	-
100 — 109 TONS	-	-	-	-	-	-	1
TOTAL VESSELS	61	46	107	32	51	222	170
TOTAL GROSS TONNAGE	578	554	1,132	330	1,115	4,749	2,936
BOATS, MOTOR	85	67	152	94	59	215	61
GEAR	174	113	287	126	164	794	231

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SUMMARY OF OYSTER DREDGE OPERATING UNITS, 1977 - Continued

ITEM	PACIFIC		
	WASHINGTON	OREGON	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER		
FISHERMEN:			
ON VESSELS	46	4	50
ON BOATS AND SHORE.....	-	-	-
TOTAL FISHERMEN	46	4	50
VESSLS, MOTOR:			
0 - 9 TONS	1	1	2
10 - 19 TONS	9	1	10
20 - 29 TONS	6	-	6
30 - 39 TONS	3	-	3
40 - 49 TONS	2	-	2
800 - 809 TONS	1	-	1
880 - 889 TONS	1	-	1
TOTAL VESSELS	23	2	25
TOTAL GROSS TONNAGE	2,167	23	2,190
GEAR	46	4	50

SUMMARY OF OYSTER TONG OPERATING UNITS

ITEM	NEW ENGLAND, MASSA- CHUSETTS	MIDDLE ATLANTIC			CHESAPEAKE		
		NEW YORK	NEW JERSEY	TOTAL, EXCLUSIVE OF DUPLICATION	MARYLAND	VIRGINIA	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER						
FISHERMEN:							
ON VESSELS	-	-	-	-	868	718	1,586
ON BOATS AND SHORE.....	10	2	29	31	3,640	1,181	4,821
TOTAL FISHERMEN	10	2	29	31	4,508	1,899	6,407
VESSLS, MOTOR:							
0 - 9 TONS	-	-	-	-	601	285	886
10 - 19 TONS	-	-	-	-	205	32	237
20 - 29 TONS	-	-	-	-	8	2	10
TOTAL VESSELS	-	-	-	-	814	319	1,133
TOTAL GROSS TONNAGE	-	-	-	-	6,945	2,464	9,409
BOATS, MOTOR.....	10	2	23	25	2,734	535	3,269
GEAR	10	2	29	31	4,516	1,897	6,413

ITEM	SOUTH ATLANTIC		
	NORTH CAROLINA	FLORIDA, EAST COAST	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER		
FISHERMEN, ON BOATS AND SHORE, TOTAL	84	7	91
BOATS, MOTOR.....	75	7	82
GEAR	75	7	82

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

REVIEW OF CERTAIN MAJOR FISHERIES

SUMMARY OF OYSTER TONG OPERATING UNITS, 1977 - Continued

ITEM	GULF						GRAND TOTAL, EXCLUSIVE OF DUPLICATION
	FLORIDA, WEST COAST	ALABAMA	MISSISSIPPI	LOUISIANA	TEXAS	TOTAL, EXCLUSIVE OF DUPLICATION	
	NUMBER						
FISHERMEN:							
ON VESSELS	2	-	-	-	-	2	1,588
ON BOATS AND SHORE	597	354	484	114	2	1,551	6,504
TOTAL FISHERMEN	599	354	484	114	2	1,553	8,092
VESSELS, MOTOR:							
0 - 9 TONS	1	-	-	-	-	-	853
10 - 19 TONS	-	-	-	-	-	-	238
20 - 29 TONS	-	-	-	-	-	-	10
TOTAL VESSELS	1	-	-	-	-	1	1,101
TOTAL GROSS TONNAGE	7	-	-	-	-	7	9,118
BOATS:							
MOTOR	479	209	462	91	2	1,243	4,629
OTHER	-	11	-	-	-	11	11
GEAR	601	354	462	114	2	1,533	8,069

SUMMARY OF OYSTER LANDINGS, 1977

AREA AND STATE	DREDGES		TONGS		RAKES	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
NEW ENGLAND:						
MASSACHUSETTS	26	76	3	6	24	56
CONNECTICUT	852	1,992	-	-	-	-
TOTAL	878	2,068	3	6	24	56
MIDDLE ATLANTIC:						
NEW YORK	1,059	2,678	(1)	1	-	-
NEW JERSEY	1,224	1,415	1	1	-	-
DELAWARE	128	196	-	-	-	-
TOTAL	2,411	4,289	1	2	-	-
CHESAPEAKE:						
MARYLAND	1,486	2,026	11,542	12,327	-	-
VIRGINIA	1,536	1,933	3,195	3,461	-	-
TOTAL	3,022	3,959	14,737	15,788	-	-
SOUTH ATLANTIC:						
NORTH CAROLINA	216	208	60	63	83	78
SOUTH CAROLINA	-	-	-	-	1,275	863
FLORIDA, EAST COAST	-	-	9	10	-	-
TOTAL	216	208	69	73	1,358	941
GULF:						
FLORIDA, WEST COAST	-	-	4,071	2,966	-	-
ALABAMA	-	-	1,549	1,549	-	-
MISSISSIPPI	766	626	618	530	-	-
LOUISIANA	9,623	9,953	441	409	-	-
TEXAS	2,591	2,983	9	9	-	-
TOTAL	12,980	13,562	6,688	5,463	-	-
PACIFIC:						
WASHINGTON:						
PACIFIC	6,049	8,900	-	-	-	-
WESTERN	13	81	-	-	-	-
TOTAL	6,062	8,981	-	-	-	-
OREGON, PACIFIC, TOTAL	234	351	-	-	-	-
TOTAL PACIFIC COAST	6,296	9,332	-	-	-	-
GRAND TOTAL	25,803	33,418	21,498	21,341	1,382	997

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SUMMARY OF OYSTER LANDINGS, 1977 - Continued

AREA AND STATE	BY HAND		OTHER GEAR		TOTAL	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
NEW ENGLAND:						
MASSACHUSETTS	-	-	-	-	53	138
CONNECTICUT	-	-	-	-	852	1,992
TOTAL	-	-	-	-	905	2,130
MIDDLE ATLANTIC:						
NEW YORK	-	-	-	-	1,059	2,679
NEW JERSEY	-	-	-	-	1,225	1,416
DELAWARE	-	-	-	-	128	196
TOTAL	-	-	-	-	2,412	4,291
CHESAPEAKE:						
MARYLAND	-	-	-	-	13,028	14,353
VIRGINIA	255	187	-	-	4,986	5,581
TOTAL	255	187	-	-	18,014	19,934
SOUTH ATLANTIC:						
NORTH CAROLINA	6	5	-	-	365	354
SOUTH CAROLINA	8	6	-	-	1,283	869
GEORGIA	87	75	-	-	87	75
FLORIDA, EAST COAST	117	130	-	-	126	140
TOTAL	218	216	-	-	1,861	1,438
GULF:						
FLORIDA, WEST COAST	1	1	-	-	4,072	2,967
ALABAMA	-	-	-	-	1,549	1,549
MISSISSIPPI	-	-	-	-	1,384	1,156
LOUISIANA	1	1	-	-	10,065	10,363
TEXAS	-	-	-	-	2,600	2,992
TOTAL	2	2	-	-	19,670	19,027
PACIFIC:						
WASHINGTON:						
PACIFIC	-	-	-	-	6,049	8,900
WESTERN	-	-	-	-	13	81
TOTAL	-	-	-	-	6,062	8,981
OREGON, PACIFIC, TOTAL	-	-	-	-	234	351
CALIFORNIA:						
EASTERN	3	13	1	4	4	17
PACIFIC	276	386	650	913	926	1,299
TOTAL	279	399	651	917	930	1,316
TOTAL PACIFIC COAST	279	399	651	917	7,226	10,648
GRAND TOTAL	754	804	651	917	50,088	57,468

(1) LESS THAN 500 POUNDS OR \$500.

REVIEW OF CERTAIN MAJOR FISHERIES

SUMMARY OF ATLANTIC AND GULF OYSTER LANDINGS, 1977

AREA AND STATE	PUBLIC		PRIVATE	
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS
NEW ENGLAND:				
MASSACHUSETTS	45	112	8	26
CONNECTICUT	-	-	852	1,992
TOTAL	45	112	860	2,018
MIDDLE ATLANTIC:				
NEW YORK	(1)	(1)	1,059	2,678
NEW JERSEY	1	2	1,224	1,415
DELAWARE	-	-	128	196
TOTAL	1	2	2,411	4,289
CHESAPEAKE:				
MARYLAND	12,670	13,620	358	733
VIRGINIA	3,135	3,321	1,851	2,260
TOTAL	15,805	16,941	2,209	2,993
SOUTH ATLANTIC:				
NORTH CAROLINA	207	198	158	156
SOUTH CAROLINA	-	-	1,283	869
GEORGIA	-	-	87	75
FLORIDA, EAST COAST	72	80	54	60
TOTAL	279	278	1,582	1,160
GULF:				
FLORIDA, WEST COAST	3,949	2,878	123	89
ALABAMA	1,549	1,549	-	-
MISSISSIPPI	1,342	1,118	42	38
LOUISIANA	1,051	1,083	9,014	9,280
TEXAS	2,600	2,992	-	-
TOTAL	10,491	9,620	9,179	9,407
GRAND TOTAL	26,621	26,953	16,241	19,867

(1) LESS THAN 500 POUNDS OR \$500.

SUMMARY OF OYSTER LANDINGS BY SPECIES, 1977

SPECIES	THOUSAND POUNDS	THOUSAND DOLLARS
EASTERN:		
PUBLIC	26,621	26,953
PRIVATE (1)	16,245	19,884
TOTAL	42,866	46,837
PACIFIC	7,209	10,550
WESTERN	13	81
TOTAL	50,088	57,468

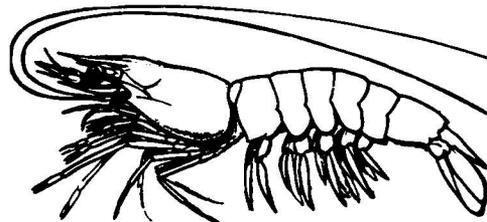
(1) EASTERN PRIVATE INCLUDES 4,000 POUNDS OF OYSTERS, VALUED AT \$17,000 HARVESTED IN CALIFORNIA.

U.S. SHRIMP FISHERY, 1977

Landings of shrimp at ports in the United States were a record 476.5 million pounds (heads-on) valued at a record \$360.7 million—an increase of 70.1 million pounds (17 percent) in volume and \$29.6 million (9 percent) in value compared with 1976. Landings in the Gulf States of 265.2 million pounds (up 26 percent) and the Pacific Coast States, 192.4 million pounds (up 15 percent), were the only areas to show increases over 1976. Landings declined in all other areas with the New England States having 840,000 pounds (down 63 percent); South Atlantic States, 18.0 million pounds (31 percent); Mississippi River area, 9,000 pounds (18 percent); and Hawaii, 8,000 pounds (down 20 percent) compared with 1976.

The Gulf States accounted for 56 percent of the total landings; Pacific Coast States, 40 percent; and the South Atlantic States, 4 percent. The remainder was landed in the New England and Chesapeake States, the Mississippi River area, and Hawaii.

New England data for 1977 did not permit breaking out the otter trawl fishery into shrimp, fish, etc., segments. Landings of U.S. shrimp trawl fleet (except New England) were 97 percent of the total. The otter trawl fishery employed 22,445 fishermen on 5,441 vessels and 6,510 boats.



SUMMARY OF SHRIMP LANDINGS, 1977

AREA AND STATE	BAG NETS		BUTTERFLY NETS		BEAM TRAWLS	
	<u>THOUSAND POUNDS</u>	<u>THOUSAND DOLLARS</u>	<u>THOUSAND POUNDS</u>	<u>THOUSAND DOLLARS</u>	<u>THOUSAND POUNDS</u>	<u>THOUSAND DOLLARS</u>
SOUTH ATLANTIC, NORTH CAROLINA, TOTAL.....	21	28	-	-	-	-
GULF, LOUISIANA, TOTAL.....	-	-	10,272	5,965	-	-
PACIFIC:						
ALASKA.....	-	-	-	-	3,600	1,051
WASHINGTON.....	-	-	-	-	31	19
TOTAL.....	-	-	-	-	3,631	1,070
GRAND TOTAL.....	21	28	10,272	5,965	3,631	1,070

(CONTINUED ON NEXT PAGE)

REVIEW OF CERTAIN MAJOR FISHERIES

SUMMARY OF SHRIMP LANDINGS, 1977 - Continued

AREA AND STATE	OTTER TRAWLS		POTS AND TRAPS	
	POUNDS	DOLLARS	POUNDS	DOLLARS
NEW ENGLAND:				
MAINE	303	166	10	6
NEW HAMPSHIRE	5	3	-	-
MASSACHUSETTS	522	283	-	-
TOTAL	830	452	10	6
SOUTH ATLANTIC:				
NORTH CAROLINA	5,579	7,211	-	-
SOUTH CAROLINA	4,283	5,815	-	-
GEORGIA	4,595	6,842	-	-
FLORIDA, EAST COAST	3,543	4,451	-	-
TOTAL	18,000	24,319	-	-
GULF:				
FLORIDA, WEST COAST	33,162	40,013	-	-
ALABAMA	25,031	33,487	-	-
MISSISSIPPI	10,576	10,113	-	-
LOUISIANA	93,773	81,218	-	-
TEXAS	92,344	126,888	-	-
TOTAL	254,886	291,719	-	-
PACIFIC:				
ALASKA	112,004	19,381	480	233
WASHINGTON	11,802	2,603	8	12
OREGON	48,580	11,174	-	-
CALIFORNIA	15,913	3,664	15	44
TOTAL	188,299	36,822	503	289
MISSISSIPPI RIVER AND TRIBUTARIES, LOUISIANA, TOTAL	-	-	9	6
HAWAII, TOTAL	-	-	1	2
GRAND TOTAL	462,015	353,312	523	303
AREA AND STATE	UNCLASSIFIED		TOTAL	
	POUNDS	DOLLARS	POUNDS	DOLLARS
NEW ENGLAND:				
MAINE	-	-	313	172
NEW HAMPSHIRE	-	-	5	3
MASSACHUSETTS	-	-	522	283
TOTAL	-	-	840	458
SOUTH ATLANTIC:				
NORTH CAROLINA	-	-	5,600	7,239
SOUTH CAROLINA	-	-	4,283	5,815
GEORGIA	-	-	4,595	6,842
FLORIDA, EAST COAST	-	-	3,543	4,451
TOTAL	-	-	18,021	24,347
GULF:				
FLORIDA, WEST COAST	-	-	33,162	40,013
ALABAMA	-	-	25,031	33,487
MISSISSIPPI	-	-	10,576	10,113
LOUISIANA	-	-	104,045	87,183
TEXAS	-	-	92,344	126,888
TOTAL	-	-	265,158	297,684
PACIFIC:				
ALASKA	-	-	116,084	20,665
WASHINGTON	-	-	11,841	2,634
OREGON	-	-	48,580	11,174
CALIFORNIA	-	-	15,928	3,708
TOTAL	-	-	192,433	38,181
MISSISSIPPI RIVER AND TRIBUTARIES, LOUISIANA, TOTAL	-	-	9	6
HAWAII, TOTAL	7	26	8	28
GRAND TOTAL	7	26	476,469	360,704

(1) LESS THAN 500 POUNDS OR \$500.

SUMMARY OF SHRIMP OTTER TRAWL VESSELS, BY TONNAGE GROUPS, 1977

GROSS TONNAGE	SOUTH ATLANTIC					TOTAL, EXCLUSIVE OF DUPLI- CATION
	NORTH CAROLINA	SOUTH CAROLINA	GEORGIA	FLORIDA, EAST COAST		
	NUMBER					
0 - 9	114	15	11	1		136
10 - 19	83	46	30	5		158
20 - 29	44	34	43	7		118
30 - 39	62	58	60	16		168
40 - 49	53	48	49	18		145
50 - 59	36	31	42	24		107
60 - 69	22	35	48	36		118
70 - 79	24	19	19	20		59
80 - 89	18	12	11	8		44
90 - 99	25	14	19	34		78
100 - 109	6	2	5	5		16
110 - 119	1	-	-	1		2
120 - 129	4	-	-	-		4
130 - 139	3	1	1	1		6
150 - 159	-	-	-	1		1
TOTAL VESSELS	495	315	338	177		1,160
TOTAL GROSS TONNAGE	18,237	13,790	15,976	11,658		50,670

GROSS TONNAGE	GULF						TOTAL, EXCLUSIVE OF DUPLICATION	SOUTH ATLANTIC AND GULF TOTAL, EXCLUSIVE OF DUPLICATION
	FLORIDA, WEST COAST	ALABAMA	MISSISSIPPI	LOUISIANA	TEXAS			
	NUMBER							
0 - 9	28	20	19	59	69	186	322	
10 - 19	100	80	101	315	294	812	967	
20 - 29	66	58	103	257	103	501	610	
30 - 39	86	32	62	157	46	318	457	
40 - 49	89	22	43	139	52	277	371	
50 - 59	85	21	25	96	64	221	290	
60 - 69	159	15	14	100	140	326	391	
70 - 79	83	14	10	69	92	197	228	
80 - 89	101	34	3	72	127	222	242	
90 - 99	248	52	17	131	381	553	590	
100 - 109	81	13	5	54	205	259	266	
110 - 119	28	41	7	59	112	177	177	
120 - 129	33	25	9	46	57	121	123	
130 - 139	20	32	8	64	38	109	110	
140 - 149	3	5	1	19	10	29	29	
150 - 159	1	2	-	11	5	17	18	
160 - 169	3	3	1	9	6	16	16	
170 - 179	-	-	2	3	-	5	5	
190 - 199	1	-	-	1	-	2	2	
220 - 229 TONS	-	-	-	-	1	1	1	
480 - 489 TONS	-	-	-	-	1	1	1	
620 - 629 TONS	-	-	-	-	1	1	1	
760 - 769 TONS	-	-	-	1	-	1	1	
780 - 789 TONS	-	-	-	-	1	1	1	
1180 - 1189 TONS	-	-	-	1	-	1	1	
3270 - 3279 TONS	-	-	-	-	1	1	1	
TOTAL VESSELS	1,215	469	430	1,663	1,806	4,355	5,221	
TOTAL GROSS TONNAGE	83,167	30,508	17,147	93,361	132,416	262,199	293,624	

GROSS TONNAGE	PACIFIC					TOTAL, EXCLUSIVE OF DUPLICATION	GRAND TOTAL, EXCLUSIVE OF DUPLICATION
	ALASKA	WASHINGTON	OREGON	CALIFORNIA			
	NUMBER						
0 - 9	-	-	-	1	1	323	323
10 - 19	2	2	3	3	10	977	977
20 - 29	-	2	12	14	27	636	636
30 - 39	-	3	12	8	20	477	477
40 - 49	-	8	24	10	34	403	403
50 - 59	2	3	9	3	14	304	304
60 - 69	6	5	9	6	21	411	411
70 - 79	5	2	3	2	11	239	239
80 - 89	4	3	11	4	17	258	258
90 - 99	6	7	9	3	17	603	603

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REVIEW OF CERTAIN MAJOR FISHERIES

SUMMARY OF SHRIMP OTTER TRAWL VESSELS, BY TONNAGE GROUPS, 1977 - Continued

GROSS TONNAGE	PACIFIC					GRAND TOTAL, EXCLUSIVE OF DUPLICATION
	ALASKA	WASHINGTON	OREGON	CALIFORNIA	TOTAL, EXCLUSIVE OF DUPLICATION	
	NUMBER					
100 — 109	6		4	1	8	273
110 — 119	8	2	3	1	11	188
120 — 129	4	1		1	5	127
130 — 139	7	1		1	9	116
140 — 149		1			1	30
150 — 159	16	2			18	34
160 — 169	6	1			6	21
170 — 179	2				2	7
180 — 189	3	1			3	3
190 — 199		2			2	4
220 — 229						1
480 — 489						1
620 — 629						1
760 — 769						1
780 — 789						1
1180 — 1189						1
3270 — 3279						1
TOTAL VESSELS	77	46	99	58	235	5,441
TOTAL GROSS TONNAGE	9,159	3,835	5,665	2,883	17,669	310,047

SUMMARY OF SHRIMP OTTER TRAWL OPERATING UNITS, 1977

AREA AND STATE	BOAT FISHERY				VESSEL FISHERY	
	BOATS	FISHERMEN		OTTER TRAWLS	VESSELS	GROSS TONNAGE
		FULL-TIME	PART-TIME			
	NUMBER					
SOUTH ATLANTIC:						
NORTH CAROLINA	858	343	645	871	495	18,237
SOUTH CAROLINA	253	72	236	253	315	13,790
GEORGIA	223	152	212	227	338	15,978
FLORIDA, EAST COAST	31	42	7	31	177	11,658
TOTAL, EXCLUSIVE OF DUPLICATION	1,365	609	1,100	1,382	1,160	50,670
GULF:						
FLORIDA, WEST COAST	192	242	45	191	1,215	83,167
ALABAMA	139	149	80	139	469	30,508
MISSISSIPPI	515	185	400	515	430	17,147
LOUISIANA	3,849	3,363	1,725	3,869	1,663	93,361
TEXAS	444	482	90	444	1,806	132,416
TOTAL, EXCLUSIVE OF DUPLICATION	5,129	4,421	2,340	5,158	4,355	262,199
SOUTH ATLANTIC AND GULF TOTAL, EXCLUSIVE OF DUPLICATION	6,504	5,030	3,440	6,540	5,221	293,624
PACIFIC:						
ALASKA	4	12	-	6	77	9,159
WASHINGTON	-	-	-	-	46	3,835
OREGON	2	4	-	2	99	5,665
CALIFORNIA	-	-	-	-	58	2,883
TOTAL, EXCLUSIVE OF DUPLICATION	6	16	-	8	235	17,869
GRAND TOTAL, EXCLUSIVE OF DUPLICATION	6,510	5,046	3,440	6,548	5,441	310,047

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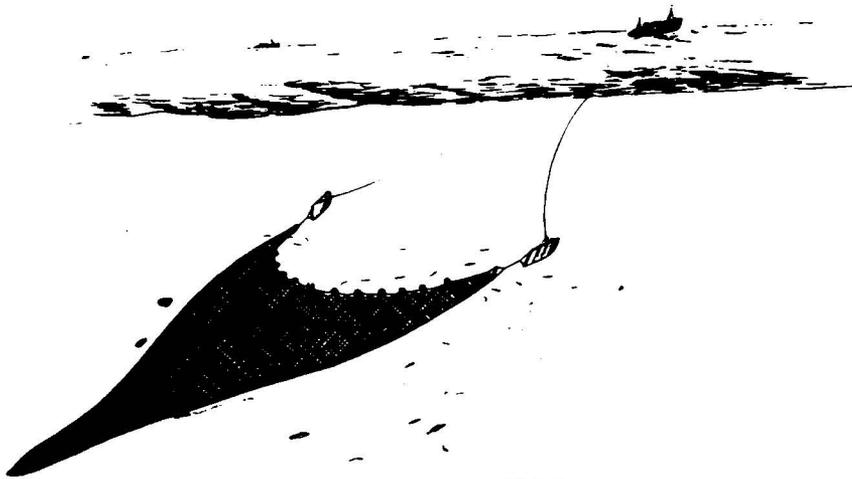
SUMMARY OF SHRIMP OTTER TRAWL OPERATING UNITS, 1977 - Continued

AREA AND STATE	VESSEL FISHERY - CONTINUED		TOTAL (BOAT AND VESSEL FISHERY)		
	FISHERMEN	OTTER TRAWLS	BOATS AND VESSELS	FISHERMEN	OTTER TRAWLS
	NUMBER				
SOUTH ATLANTIC:					
NORTH CAROLINA	1,161	921	1,353	2,149	1,792
SOUTH CAROLINA	737	623	568	1,045	876
GEORGIA	787	678	561	1,151	905
FLORIDA, EAST COAST	423	354	208	472	365
TOTAL, EXCLUSIVE OF DUPLICATION	2,737	2,249	2,525	4,446	3,631
GULF:					
FLORIDA, WEST COAST	3,130	2,341	1,407	3,417	2,532
ALABAMA	1,174	845	608	1,403	984
MISSISSIPPI	992	643	945	1,577	1,158
LOUISIANA	3,931	2,934	5,512	9,019	6,803
TEXAS	5,016	4,570	2,250	5,588	5,014
TOTAL, EXCLUSIVE OF DUPLICATION	11,224	9,129	9,494	17,985	14,287
SOUTH ATLANTIC AND GULF, TOTAL, EXCLUSIVE OF DUPLICATION	13,240	10,802	11,725	21,710	17,342
PACIFIC:					
ALASKA	231	127	81	243	133
WASHINGTON	138	90	46	138	90
OREGON	329	181	101	333	183
CALIFORNIA	174	58	58	174	58
TOTAL, EXCLUSIVE OF DUPLICATION	737	391	241	753	399
GRAND TOTAL, EXCLUSIVE OF DUPLICATION	13,959	11,168	11,951	22,445	17,716

REVIEW OF CERTAIN MAJOR FISHERIES

U.S. FISH OTTER TRAWL FLEET, 1977

The fish otter trawl fleet employed 7,097 fishermen on 2,024 vessels (craft of 5 net tons or more) on 684 boats. Data in this section include a small amount of shrimp otter trawls in the New England fisheries.



FISH OTTER TRAWL

SUMMARY OF FISH OTTER TRAWL VESSELS, BY TONNAGE GROUPS, 1977

GROSS TONNAGE	NEW ENGLAND					TOTAL, EXCLUSIVE OF DUPLICATION
	MAINE	NEW HAMPSHIRE	MASSA- CHUSETTS	RHODE ISLAND	CONNECTICUT	
	NUMBER					
0 — 9	2	1	2	-	1	6
10 — 19	30	2	46	6	4	82
20 — 29	27	2	43	14	1	79
30 — 39	18	3	45	8	5	73
40 — 49	8	1	38	14	1	54
50 — 59	4	1	26	13	1	37
60 — 69	1	-	28	11	-	32
70 — 79	1	1	30	15	-	37
80 — 89	3	-	18	11	-	23
90 — 99	1	-	20	15	-	29
100 — 109	2	-	11	7	-	16
110 — 119	1	-	22	12	-	27
120 — 129	-	-	19	2	-	19
130 — 139	1	-	19	5	-	21
140 — 149	-	-	15	4	-	15
150 — 159	-	-	6	2	-	7
160 — 169	-	-	4	1	-	4
170 — 179	-	-	5	2	-	6
190 — 199	6	-	9	-	-	14
310 — 319	3	-	2	-	-	5
320 — 329	1	-	1	-	-	2
450 — 459	1	-	-	-	-	1
TOTAL VESSELS	110	11	409	142	13	589
TOTAL GROSS TONNAGE	6,133	359	29,788	10,590	350	39,897

(CONTINUED ON NEXT PAGE)

SUMMARY OF FISH OTTER TRAWL VESSELS, BY TONNAGE GROUPS, 1977 - Continued

GROSS TONNAGE	MIDDLE ATLANTIC			CHESAPEAKE		
	NEW YORK	NEW JERSEY	TOTAL, EXCLUSIVE OF DUPLICATION	MARYLAND	VIRGINIA	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER					
0 - 9	-	1	1	-	-	2
10 - 19	31	3	33	-	2	3
20 - 29	22	18	38	3	-	6
30 - 39	15	12	24	3	4	15
40 - 49	14	20	30	2	13	11
50 - 59	5	8	13	1	10	10
60 - 69	2	15	17	1	9	8
70 - 79	6	12	16	1	8	12
80 - 89	4	9	11	1	11	15
90 - 99	3	10	13	-	15	7
100 - 109	1	6	6	3	5	5
110 - 119	3	5	7	-	5	7
120 - 129	2	4	5	-	5	5
130 - 139	-	9	9	-	7	5
140 - 149	2	-	2	1	4	2
150 - 159	-	1	1	-	2	-
160 - 169	-	1	1	-	-	-
170 - 179	-	1	1	1	-	1
TOTAL VESSELS	110	135	228	17	100	114
TOTAL GROSS TONNAGE .	4,523	9,232	12,773	1,153	8,374	9,318

GROSS TONNAGE	SOUTH ATLANTIC				GULF			
	NORTH CAROLINA	SOUTH CAROLINA	GEORGIA	TOTAL, EXCLUSIVE OF DUPLI- CATION	FLORIDA, WEST COAST	MISSISSIPPI	LOUISIANA	TOTAL, EXCLUSIVE OF DUPLI- CATION
	NUMBER							
0 - 9	5	-	-	5	-	-	-	-
10 - 19	8	-	-	8	2	-	-	2
20 - 29	8	-	-	8	1	-	-	1
30 - 39	24	-	2	26	5	-	-	5
40 - 49	26	-	3	29	1	-	-	1
50 - 59	20	-	-	20	1	-	-	1
60 - 69	12	-	-	12	-	-	-	-
70 - 79	12	-	-	12	-	-	-	-
80 - 89	10	-	-	10	-	-	1	1
90 - 99	23	1	-	24	-	-	1	1
100 - 109	6	-	-	6	-	1	-	1
110 - 119	2	-	-	2	-	-	-	-
120 - 129	6	-	-	6	-	3	2	3
130 - 139	4	-	1	5	-	2	1	2
140 - 149	2	-	-	2	-	1	1	1
150 - 159	1	-	-	1	-	2	1	3
170 - 179	-	-	-	-	-	-	1	1
180 - 189	-	-	-	-	-	1	-	1
190 - 199	-	-	-	-	-	2	1	3
260 - 269	-	-	-	-	-	1	-	1
290 - 299	-	-	-	-	-	2	-	2
TOTAL VESSELS	169	1	6	176	10	15	9	30
TOTAL GROSS TONNAGE .	10,699	93	327	11,119	316	2,611	1,230	3,636

(CONTINUED ON NEXT PAGE)

REVIEW OF CERTAIN MAJOR FISHERIES

SUMMARY OF FISH OTTER TRAWL VESSELS, BY TONNAGE GROUPS, 1977 - Continued

GROSS TONNAGE	PACIFIC				TOTAL, EXCLUSIVE OF DUPLICATION
	ALASKA	WASHINGTON	OREGON	CALIFORNIA	
	<u>NUMBER</u>				
0 - 9.....	-	3	76	56	135
10 - 19.....	3	20	127	150	296
20 - 29.....	1	12	46	80	130
30 - 39.....	-	22	38	44	98
40 - 49.....	-	22	31	34	82
50 - 59.....	2	16	12	20	47
60 - 69.....	4	13	10	18	40
70 - 79.....	2	5	4	12	21
80 - 89.....	4	3	9	4	18
90 - 99.....	5	3	11	5	22
100 - 109.....	3	1	4	5	13
110 - 119.....	6	4	4	3	15
120 - 129.....	3	-	1	1	5
130 - 139.....	3	3	1	1	8
140 - 149.....	-	3	-	1	3
150 - 159.....	10	1	-	-	10
160 - 169.....	4	1	-	-	5
170 - 179.....	1	-	-	-	1
180 - 189.....	1	1	-	1	3
190 - 199.....	-	3	2	3	8
690 - 699.....	-	-	-	1	1
TOTAL VESSELS.....	52	136	376	439	961
TOTAL GROSS TONNAGE.....	5,764	7,502	11,071	14,061	36,207

GROSS TONNAGE	GREAT LAKES			TOTAL, EXCLUSIVE OF DUPLICATION	GRAND TOTAL, EXCLUSIVE OF DUPLICATION
	MICHIGAN	MINNESOTA	WISCONSIN		
	<u>NUMBER</u>				
0 - 9.....	-	-	-	-	147
10 - 19.....	1	-	6	7	424
20 - 29.....	1	-	-	1	255
30 - 39.....	-	1	-	1	228
40 - 49.....	-	-	3	3	200
50 - 59.....	-	-	-	-	117
60 - 69.....	-	1	-	1	97
70 - 79.....	-	-	-	-	78
80 - 89.....	-	-	-	-	65
90 - 99.....	-	-	-	-	87
100 - 109.....	-	-	-	-	40
110 - 119.....	-	-	-	-	48
120 - 129.....	-	-	-	-	36
130 - 139.....	-	-	-	-	44
140 - 149.....	-	-	-	-	24
150 - 159.....	-	-	-	-	21
160 - 169.....	-	-	-	-	10
170 - 179.....	-	-	-	-	9
180 - 189.....	-	-	-	-	4
190 - 199.....	-	-	-	-	25
260 - 269.....	-	-	-	-	1
290 - 299.....	-	-	-	-	2
310 - 319.....	-	-	-	-	5
320 - 329.....	-	-	-	-	2
450 - 459.....	-	-	-	-	1
690 - 699.....	-	-	-	-	1
TOTAL VESSELS.....	2	2	9	13	1,971
TOTAL GROSS TONNAGE.....	41	96	205	338	101,973

SUMMARY OF FISH OTTER TRAWL OPERATING UNITS, 1977

AREA AND STATE	BOAT FISHERY				VESSEL FISHERY	
	BOATS	FISHERMEN		OTTER TRAWLS	VESSELS	
		FULL-TIME	PART-TIME			
NUMBER						GROSS TONNAGE
NEW ENGLAND (1):						
MAINE	59	77	41	59	110	6,133
NEW HAMPSHIRE	12	26	-	12	11	359
MASSACHUSETTS	52	111	8	52	409	29,788
RHODE ISLAND	14	26	1	14	142	10,590
CONNECTICUT	19	25	1	19	13	350
TOTAL, EXCLUSIVE OF DUPLICATION	156	265	51	156	589	39,897
MIDDLE ATLANTIC:						
NEW YORK	21	42	-	21	109	4,513
NEW JERSEY	10	20	-	10	135	9,232
TOTAL, EXCLUSIVE OF DUPLICATION	31	62	-	31	228	12,773
CHESAPEAKE:						
MARYLAND	-	-	-	-	17	1,153
VIRGINIA	-	-	-	-	100	8,374
TOTAL, EXCLUSIVE OF DUPLICATION	-	-	-	-	114	9,318
SOUTH ATLANTIC:						
NORTH CAROLINA	-	-	-	-	169	10,699
SOUTH CAROLINA	-	-	-	-	1	93
GEORGIA	-	-	-	-	6	327
FLORIDA, EAST COAST	195	125	70	195	-	-
TOTAL, EXCLUSIVE OF DUPLICATION	195	125	70	195	176	11,119
GULF:						
FLORIDA, WEST COAST	-	-	-	-	10	316
MISSISSIPPI	-	-	-	-	15	2,611
LOUISIANA	-	-	-	-	9	1,230
TOTAL, EXCLUSIVE OF DUPLICATION	-	-	-	-	30	3,636
PACIFIC:						
ALASKA	3	12	-	4	52	5,764
WASHINGTON	-	-	-	-	136	7,502
OREGON	13	26	-	13	376	11,071
CALIFORNIA	286	858	-	286	439	14,061
TOTAL, EXCLUSIVE OF DUPLICATION	302	896	-	303	961	36,207
GREAT LAKES, TOTAL, EXCLUSIVE OF DUPLICATION	-	-	-	-	13	338
GRAND TOTAL, EXCLUSIVE OF DUPLICATION	684	1,348	121	685	2,024	105,757

AREA AND STATE	VESSEL FISHERY - CONTINUED		TOTAL (BOAT AND VESSEL FISHERY)		
	FISHERMEN	OTTER TRAWLS	BOATS AND VESSELS	FISHERMEN	OTTER TRAWLS
NUMBER					
NEW ENGLAND (1):					
MAINE	299	110	169	417	169
NEW HAMPSHIRE	28	11	23	54	23
MASSACHUSETTS	1,940	414	461	2,059	466
RHODE ISLAND	611	142	157	693	156
CONNECTICUT	34	13	32	60	32
TOTAL, EXCLUSIVE OF DUPLICATION	2,501	594	745	2,817	750
MIDDLE ATLANTIC:					
NEW YORK	269	109	130	311	130
NEW JERSEY	475	135	145	495	145
TOTAL, EXCLUSIVE OF DUPLICATION	695	228	259	757	259

(CONTINUED ON NEXT PAGE)

REVIEW OF CERTAIN MAJOR FISHERIES

SUMMARY OF FISH OTTER TRAWL OPERATING UNITS, 1977 - Continued

AREA AND STATE	VESSEL FISHERY - CONTINUED		TOTAL (BOAT AND VESSEL FISHERY)		
	FISHERMEN	OTTER TRAWLS	BOATS AND VESSELS	FISHERMEN	OTTER TRAWLS
	-----NUMBER-----				
CHESAPEAKE:					
MARYLAND	53	18	17	53	18
VIRGINIA	403	100	100	403	100
TOTAL, EXCLUSIVE OF DUPLICATION	445	115	114	445	115
SOUTH ATLANTIC:					
NORTH CAROLINA	542	263	169	542	263
SOUTH CAROLINA	3	2	1	3	2
GEORGIA	13	12	6	13	12
FLORIDA, EAST COAST	-	-	195	195	195
TOTAL, EXCLUSIVE OF DUPLICATION	558	277	371	753	472
GULF:					
FLORIDA, WEST COAST	41	20	10	41	20
MISSISSIPPI	48	30	15	48	30
LOUISIANA	27	18	9	27	18
TOTAL, EXCLUSIVE OF DUPLICATION	84	60	30	84	30
PACIFIC:					
ALASKA	208	82	55	220	86
WASHINGTON	391	136	136	391	136
OREGON	1,306	713	389	1,332	726
CALIFORNIA	1,317	439	725	2,175	725
TOTAL EXCLUSIVE OF DUPLICATION	3,097	1,327	964	3,993	1,630
GREAT LAKES, TOTAL, EXCLUSIVE OF DUPLICATION	26	13	13	26	13
GRAND TOTAL, EXCLUSIVE OF DUPLICATION	7,097	2,527	2,708	8,566	3,212

(1) INCLUDES SOME SHRIMP OTTER TRAWLS.

NOTE:—FISHERMEN ON VESSELS INCLUDE 4 PART-TIME FISHERMEN IN NEW ENGLAND, 10 IN MIDDLE ATLANTIC, AND 2 IN GREAT LAKES.

STATISTICAL SURVEY PROCEDURE

"Fishery Statistics of the United States" (Statistical Digest) is prepared by the National Fishery Statistics Program, National Marine Fisheries Service (NMFS), U.S. Department of Commerce, and is a continuation of a series inaugurated by its predecessor organizations in the Department of Interior, Commerce, and Commerce and Labor, and the U.S. Fish Commission. The Statistical Digest contains detailed statistics and analytical textual reviews on the commercial fisheries of the United States. Included are data on the quantity and value of the commercial landings of fishery products by States, larger geographic regions, and gear; and the number of persons, vessels, boats, and fishing gear engaged in the fisheries. In the sections on the Great Lakes and Mississippi River, the catch is also tabulated by water bodies. The Statistical Digest also contains data on the volume and value of processed fishery products, freezings and cold storage holdings, foreign trade, and other related information.

Following is a brief history of the statistical surveys that have been conducted in the United States and a description of the procedures used to collect the different kinds of data in the various geographical areas of the country.

History—The first comprehensive statistical study of the fisheries and fishery industries of the United States was made for the year 1880 by George Brown Goode, Assistant Director of the U.S. National Museum, and associates, with the cooperation of the Commissioner of Fisheries and the Superintendent of the Tenth Census. Data for specific fisheries or geographic areas for years prior to 1880 also were collected in the early survey and recorded in Mr. Goode's reports. The survey for 1880, however, did not include the Mississippi River and its tributaries. Periodic general surveys of a limited number of States or limited areas of the United States were made for the years from 1880 to 1907 and from 1909 to 1928. The first complete statistical canvass of the entire United States was made for 1908 by the Bureau of the Census. The next general survey of the entire United States was not made until 1931, although complete data for all areas, excluding the Mississippi River and its tributaries, were collected for 1929 and 1930. Complete data on the catch and operating units for these same sections were also collected for 1932. In the latter survey, however, lack of sufficient funds prohibited collection of data on the wholesale and processing operations except those data collected as a part of the canned fishery products and byproducts survey. Various geographic areas were surveyed during the years from 1933 to 1949, inclusive. A complete survey of all sections of the country was made for 1950. Since 1951, all of the coastal areas have been canvassed annually, and catch records have been obtained for the Great Lakes area. Complete operating unit and catch data have been obtained for all areas since 1954, except that only a partial survey of the Mississippi River and its tributaries was made for 1961. Data on the wholesale and processing industries were collected in all of the surveys from 1933 to 1940, inclusive. In the years from 1941 to 1949, inclusive, and in 1951, lack of experienced personnel and budgetary limitations precluded the collection of data on wholesale and processing firms except for those data collected as part of the canned fishery products, industrial products, and fish fillets and steaks surveys.

The chart shown in this section indicates the years for which surveys have been made in the various sections. Since the surveys of the fisheries have varied in completeness, three legends have been used for the years shown in the chart to indicate whether complete, partial, or no surveys were conducted in the individual regions. The designation "complete survey" has been used to indicate that basic operating unit and catch data were obtained and that complete information was collected on employment in wholesale and processing establishments and on the production of processed fishery products. The legend "partial survey" usually indicates that operating unit and catch statistics were collected, but that no information was obtained on employment in wholesale and processing establishments and that only partial data were obtained on the production of processed fishery products. In some instances the designation "partial survey" is used for regions in which only catch statistics were collected. The legend "no survey" indicates that a general canvass was not conducted to obtain operating

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unit, catch, employment in wholesale and processing plants, and complete processed products data. Although the chart indicates that in certain regions no surveys were conducted, some information may be available on the landings at certain important ports. Likewise, information on the catch of certain species, such as menhaden, may be available as a result of data collected in connection with the annual canned fish and byproducts survey. Data on the annual production of canned fishery products and byproducts have been collected for all regions since 1921, while information has been obtained on the production of packaged fish for 1926 and annually since 1928.

A bibliography listing the various surveys made since 1880 and the publications in which the results were published appeared in Statistical Digest No. 43. "Fishery Statistics of the United States, 1956." Figures for recent years are available from NMFS in bulletin form, but data for the earlier years are available only in the Fish Commission and Bureau of Fisheries printed reports. These reports are on file in the Department of Commerce library and in many public libraries.

Field Personnel—The statistics contained in this volume have been collected by trained fishery reporting specialists of the National Marine Fisheries Service (NMFS) and by personnel of State fishery agencies. The fishery reporting specialists are assigned to field stations, generally in the principal port within their areas, and travel from that station to conduct their various surveys.

Period Covered—Most of the landings data for coastal States are collected throughout the year and are available from State or NMFS Offices on a current basis. Data on foreign trade, freezings and holdings, and fish meal and oil production are collected and made available monthly. Data on fish sticks and portions are collected and published quarterly. These data are augmented at the end of each year by a special survey to obtain missing landings data and annual surveys to collect employment of craft, gear, and fishermen and processed fishery products data. Data published in the statistical digests are annual summations of data produced by these various surveys unless otherwise noted.

Scope—The coastal statistical surveys include canvasses of the commercial fisheries of the oceans, bays, and coastal rivers as far inland as commercial fishing is important. This usually coincides with the range of commercial fishing for anadromous species. Statistics on the fisheries of the Mississippi River include those of the Mississippi River proper as well as all of its tributaries wherein commercial fishing for either fish, crustaceans, or mollusks is carried on. Statistics on the fisheries of the Great Lakes cover canvasses of the fisheries of the lakes proper, adjacent bays, the International Lakes of northern Minnesota, and rivers which sustain a commercial fishery having outlets into these waters. Statistics on the fisheries of Florida include the commercial fisheries in Lake Okeechobee and other inland lakes. Surveys for statistics of the wholesale and processing fishing industries cover plants located in the coastal, river, and lake areas adjacent to the waters mentioned above.

Methods of Collection—There are several methods used to collect fishery statistics, each of which has been carefully studied to obtain the best results with available personnel and funds. In the preparation of operating units data, field personnel are supplied with a deck of prepunched vessel cards obtained from the Bureau of Customs. These cards indicate the name, official number, rig code, gross tonnage, length, and year built. Field personnel enter the number of crewmen, and number and type of gear used by the vessel. These data are obtained by interview. Data on the craft of less than 5 net tons are obtained from State conservation agencies and by contact with firms purchasing fish or shellfish from fishermen. The data thus obtained are machine processed to ensure accuracy.

Data on over 96 percent of the catch are available from summaries of monthly landings bulletins and other current records assembled by NMFS or the various States. If complete catch data are not available from central sources, wholesale dealers and manufacturers of fishery products are visited, and data are obtained from them on their purchases of fish and shellfish. It is impossible for the few Service representatives available for this

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SURVEYS OF THE FISHERIES OF THE UNITED STATES

Complete Survey
 Partial Survey
 No Survey

Area	1880	'81	'82	'83	'84	'85	'86	'87	'88	'89	'90	'91	'92	'93	'94	'95	'96	'97	'98	'99	1900	'01	'02	'03	'04	'05	
New England	C							P	P	P								P	P				P		P		
Middle Atlantic	C							P	P	P	P	P	P						P	P			P		P		
Chesapeake	C							P	P		P	P							P			P		P			
South Atlantic	C							P	P	P	P								P				P				
Gulf	C							P	P	P	P								P				P				
Alaska	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	C	
Wash., Oreg., Calif.	C								P	P	P	P	P			P				P					P		
Great Lakes	C					P					P								P	P			P				
Mississippi River															P				P	P			P				
Area	1906	'07	'08	'09	'10	'11	'12	'13	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23	'24	'25	'26	'27	'28	'29	'30	'31	
New England			C		P									P					P	P	P	P	C	C	C	C	
Middle Atlantic			C						P							P					C			C	C	C	
Chesapeake			C												P						C			C	C	C	
South Atlantic			C										P						P				C	C	C	C	C
Gulf			C										P						P				C	C	C	C	C
Alaska	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Wash., Oreg., Calif.			C							P									P	P	P	P	P	C	C	C	C
Great Lakes			C					P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	C	C	C	C
Mississippi River			C						P	P									P								C
Area	1932	'33	'34	'35	'36	'37	'38	'39	'40	'41	'42	'43	'44	'45	'46	'47	'48	'49	'50	'51	'52	'53	'54	'55	'56	'57	
New England	P	C		C		C	C	C	C		P	P	P	P	P	P	P	P	P	C	P	C	C	C	C	C	C
Middle Atlantic	P	C		C		C	C	C	C		P	P	P	P	P	P	P	P	P	C	P	C	C	C	C	C	C
Chesapeake	P	C	C	C	C	C	C	C	C	P	P		P	P	P	P	P	P	C	P	C	C	C	C	C	C	C
South Atlantic	P		C		C	C	C	C	C					P						C	P	C	C	C	C	C	C
Gulf	P		C		C	C	C	C	C					P					P	P	C	P	C	C	C	C	C
Alaska	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Wash., Oreg., Calif.	P	C	C	C	C	C	C	C	C	P	P	P	P	P	P	P	P	P	P	C	P	C	C	C	C	C	C
Great Lakes	P	P	C	P	C	C	C	C	C	P	P	P	P	P	P	P	P	P	P	C	P	P	P	C	C	C	C
Mississippi River																					C						C
Hawaii																P	P	P	P	P	P	P	P	P	P	P	P
Area	1958	'59	'60	'61	'62	'63	'64	'65	'66	'67	'68	'69	'70	'71	'72	'73	'74	'75	'76	'77							
New England	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C							
Middle Atlantic	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C							
Chesapeake	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C							
South Atlantic	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C							
Gulf	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C							
Alaska	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C							
Wash., Oreg., Calif.	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C							
Great Lakes	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C							
Mississippi River	C	C	P	P	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C							
Hawaii	P	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C							

STATISTICAL SURVEY PROCEDURE

work to interview each fisherman in a given locality. However, the more important areas and a sufficient number of areas of lesser importance are visited to obtain reliable information on production, the number of fishing craft engaged, the quantity of gear operated, catch by gear and waters, and the number of persons employed as fishermen.

The Service's role with regard to fishery statistics is principally that of coordinating the collection of information and assembling, analyzing, publishing, and disseminating fishery data. The State fishery agencies in a number of States have developed relatively complete statistical systems which greatly facilitate the Service's surveys in these States. In such instances, the Service conducts only such surveys as may be necessary to make the data comparable with those of other States.

NMFS obtains from the records of the State fishery agencies most of the catch statistics for the fisheries of the Great Lakes, the northern Mississippi River area, and the International Lakes of northern Minnesota. To obtain data on the number of fishermen, boats, vessels, and gear, the Service conducts such personal surveys among the fishermen as may be necessary to supplement the State records.

NMFS statistical personnel are stationed at Seattle, Wash., and Terminal Island, Cal., for the purpose of surveying the fisheries of Washington, Oregon, and California. They obtain from the records of the State fishery departments figures on the volume of the catch and operating units. The value of the catch is derived from State and dealers' records. In Washington and Oregon, data for operating units in the offshore fisheries are obtained from the records of various fishery organizations as well as from records of the State fishery agencies. Statistics on the wholesale fishery industry for this section are obtained largely by personal interviews.

In many States, NMFS and the fishery agency of the respective State cooperate in the collection and publication of current monthly and annual data on the catch. These data form the basis of the annual catch figures published in the Digest for the following States: Maine, Massachusetts, Rhode Island, New York, New Jersey, Maryland, Virginia, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana, Texas, Ohio, Michigan, and Wisconsin.

In the administration of the Alaska fisheries, the State requires that copies of all receipts for fish and shellfish purchases from fishermen be furnished to the Alaska Department of Fish and Game. The data on these tickets are compiled and made available to NMFS. The summary data, by districts, are reproduced in this report.

Statistics on the volume of the catch of fish in the Great Lakes States and California usually are shown in weights as landed, which may be in the round or drawn condition. Statistics on the volume of the catch of fish taken in the remainder of the United States are usually shown in round weight.

The figures in the tables for shellfish represent the weight of the meats in the case of univalve and bivalve mollusks, and round weight in the case of crustaceans and such cephalopods as squid and octopus.

Shore and Vessel Fisheries—In general, statistics of the shore fisheries collected by NMFS representatives include data on the number of full- and part-time fishermen; number of motor and other fishing boats (craft of less than 5 net tons capacity are called "boats"); type and quantity of gear used; and the volume, value, and method of capture of each species for each locality or group of localities. The availability of data collected by some State fishery agencies obviates the necessity of detailed surveys by NMFS personnel.

Statistics on the vessel fisheries include data on the number in the crew; rig of vessels; gross tonnage; kind and quantity of gear used; and volume, value, and method of capture of each species. Craft having a capacity of 5 net tons or over are called "vessels." As in the shore fisheries, the availability of figures collected by State fishery agencies may eliminate the necessity of Service agents collecting these data for individual vessels. Information on the year vessels were built was assembled for 1961, 1966, and 1968 to present.

Statistics on the quantity of gear operated indicate the maximum number of units fished at any one time during the year. Gear carried in reserve for replacement is not reported.

All persons engaged in commercial fishing operations are included as fishermen. In most areas, fishermen not on vessels have been divided into "full-time" and "part-time." Full-time fishermen are defined as those who receive more than one-half their annual income from fishing, whereas part-time fishermen are those who receive less than one-half their annual compensation from fishing.

Since 1942, the catch of fish and shellfish has been credited to the port at which it was landed. Prior to the survey for that year, it was the practice of NMFS to credit the entire catch to the home port of the vessel, regardless of what port the fish were actually landed. This policy was discontinued since it quite often resulted in inconsistencies by crediting landings of some species to areas far removed from localities in which they are commonly taken. An outstanding example of this is the southern trawl fishery conducted off the New Jersey, Maryland, Virginia, and North Carolina coasts. Some fishing vessels from New England operate in this fishery for 6 to 10 weeks during the winter season. Prior to the survey for 1942, the catch of these vessels, consisting principally of fish common to Middle Atlantic waters, was credited to Massachusetts. Under the present system, this catch is credited to the Middle Atlantic ports where it is landed.

Since 1949 on the Pacific Coast and 1951 for the remainder of the country, craft, fishermen, and gear have been reported for each State in which they fished. A total exclusive of duplication is shown for each section and for the United States as a whole. Prior to the surveys for 1949, each craft on the Pacific Coast was credited to its home port unless it did not fish from that port during the year. In that case, it was credited to the locality where it landed the greatest portion of its catch. Prior to the survey for 1951, each craft on the Atlantic and Gulf Coasts and interior waters was credited to the port where it landed the greatest portion of its catch during the year. This system was changed to provide more accurate data on the total number of craft operating in a given State. With the increased mobility of the fishing fleet in recent years, the number of vessels fishing in more than one State has increased greatly.

Beginning with data for 1951, the reporting of units of gear was standardized so that nets or lines made up of small units for ease in handling, but fastened together in fishing, were counted as a single unit rather than as a number of smaller units. Prior to 1951, the small units were sometimes counted as individual pieces of gear even though they were combined for fishing. This rule does not apply to halibut longlines or setlines on the Pacific Coast. In this fishery, each skate of gear is counted as one line, even though fastened together in fishing, because the International Pacific Halibut Commission uses a skate as a unit in its studies of fishing intensity.

LOCAL AND SPECIAL SURVEYS

Landings at Certain Massachusetts Ports—Detailed statistics are collected on the landings of aquatic products by individual fishing craft at Boston, Gloucester, New Bedford, Plymouth, Provincetown, and other Cape Cod ports. Data on the landings at Boston and Gloucester have been collected annually since 1893. Information on landings at New Bedford has been collected annually since 1938; and at Plymouth, Provincetown, and other Cape Cod ports since 1945. NMFS representatives are stationed at the principal ports. They obtained figures on the quantity and value of fish landed daily by fishing craft, the dates of departure and arrival of the craft, the gear used in their capture, the grounds from which the fish were taken, and other related information. The Service's Office of Resource Research cooperates in the collection of these data.

Statistics on landings at the above ports are released monthly and annually in bulletin form, and summary data are published in the annual Statistical Digest.

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Shad and Alewife Fisheries—Surveys for statistics on the catch, value of catch, and operating units in the Hudson and Potomac River shad fisheries are made annually. On the Potomac River, similar statistics are also obtained for the alewife fishery. Much of the data required for these surveys is available from the States' fishery agencies.

Annual data on the shad and alewife fisheries are not published separately in bulletin form. However, a summary is published in various Digests.

Statistics on the Hudson River shad fishery are available for 1896, 1897, 1898, 1901, 1904, 1910, and 1915 to 1971, inclusive. Data for the Potomac River shad fishery are available for 1896, 1901, 1904, 1909, 1915, 1919 to 1942, and 1944 to 1971, inclusive. Statistics on the Potomac River alewife fishery are available for 1896, 1909, 1915, 1919 to 1942, and 1944 to 1971, inclusive.

South Atlantic and Gulf of Mexico Shrimp Fishery—Detailed statistics on quantity and value of shrimp, by variety and size, landed at South Atlantic and Gulf Ports, have been collected for the Gulf area since 1956 and the South Atlantic since 1957. Since 1956, NMFS personnel have also obtained daily information on the number of fishing trips, area and depth fished, and time spent fishing for craft landing at U.S. ports in the Gulf of Mexico. Various fishery agencies of the southern States cooperate in the collection of these data.

Detailed monthly and annual summaries of the statistics on shrimp catch and landings are published in bulletin form and are summarized in the Statistical Digests.

Historical Fishery Statistics—NMFS has in its files and in various reports or publications, a large volume of historical data on fisheries. Beginning with the 1951 Digest, a section entitled "Historical Fishery Statistics," which includes complete historical information on selected species, has been carried. From 1951 to 1968 there is published a listing of the titles of the series of data appearing in earlier editions.

Review of Certain Major Fisheries—For the years 1942-77, tabulations containing complete data on the catch of certain major species have been included in a section of the Digest entitled "Review of Certain Major Fisheries." Although the data are included in the detailed catch tables of the various States, they are consolidated in this section to provide a single source of data for cod, haddock, menhaden, Atlantic ocean perch, salmon, tuna, oysters, clams, crabs, and shrimp. Data on operating units in the following fisheries have likewise been consolidated in this section: salmon purse seine and troll line, Atlantic and Pacific Coast tuna, menhaden purse seine and fish and shrimp otter trawls.

Canned Fishery Products and Industrial Products—Since 1921, NMFS has made annual sectional surveys for statistics on canned and industrial fishery products. These surveys are started the first week in January of each year for statistics on the production in the preceding year. So far as possible, the Service obtains by mail, statistics on the annual production of each domestic canned and industrial fishery products plant. If it is impossible to obtain the information by mail, the report is secured by a NMFS representative. Included in the data obtained are statistics on the yield and value of the canned products by type of commodity, can size, and area of production. Data on industrial products are obtained by commodity and area of production. The value shown for canned and industrial products is the gross amount received by the packer at the production point. No deductions are made for commissions or expenses.

Annual statistical bulletins are issued on this trade, and detailed data are published in the Statistical Digest. Prior to 1921, canned and industrial products data were not collected for the entire country. However, data on the production of these products were usually obtained for the areas in which general canvass surveys were conducted.

Fish Meal and Oil—Data are collected monthly on the domestic production of fish meal, body oil, and fish solubles. This information is released monthly and annually in the Service's Current Fishery Statistics series of bulletins.

Fish Fillets and Steaks—Statistics on the annual production and value of fish fillets and steaks in the United States are obtained in conjunction with the canned and industrial fishery products survey. These data are released annually in bulletin form and in the annual Statistical Digest. Statistics on the production of fillets and steaks are available for 1926 and annually since 1928, except that no data were collected in California for the years 1941 to 1946, inclusive.

Fish Sticks and Portions—Quarterly information is collected and published on the production and value of fish sticks (cooked, breaded and battercoated, breaded raw) and fish portions (cooked, breaded and battercoated, breaded raw, and unbreaded). The data are released in the Service's Current Fishery Statistics series of bulletins.

Cold Storage Holdings of Fish—Information on the monthly freezings and holdings of fishery products is obtained from cold storage warehouses by mail and by NMFS employees. Data are also obtained on the holdings of certain cured fish. Bulletins showing these statistics are issued monthly and annually.

Detailed cold storage statistics also are published in the Statistical Digest. Information regarding cold storage holdings of fishery products has been published since 1917, while data on the quantity of fish frozen have been released for the years from 1920 to 1925, inclusive, and continuously since 1928.

Foreign Fishery Trade—Statistics on foreign trade are obtained from compilations made by the Bureau of the Census, Department of Commerce. Statistics on all known imported or exported fishery products have been assembled and published annually since 1926 in the Digest. For earlier years, figures are available in the reports of the Bureau of the Census, Bureau of Foreign and Domestic Commerce, the Bureau of Statistics, the Department of Commerce and Labor, or the Treasury Department.

PRACTICES AND TERMS

Certain practices and terms used in this report are explained below.

Operating Units—Operating units include persons employed in the fisheries, and craft and gear engaged in the fisheries.

Vessel—A craft having a capacity of 5 net tons or over.

Boat—A craft having a capacity of less than 5 net tons.

Days Absent—In computing "days absent" for vessels landing fares at certain Massachusetts ports, the day of arrival, but not the day of departure, is included; thus, a vessel leaving port on the 8th of the month and returning on the 15th of the month will be credited with 7 days' absence. Prior to 1944, "days absent" included both the day of departure and the day of arrival.

Days Fished—In computing "days fished" for fishing craft landing shrimp at Gulf of Mexico ports, the total number of hours spent in fishing effort has been divided by 24.

Fish—The term "fish" as used in this report includes all species belonging to the class Pisces.

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Shellfish et al.—A shellfish is an aquatic invertebrate animal having a shell, such as a mollusk or crustacean. However, in order to reduce the classifications appearing in the catch tables, all items not properly listed as "Fish" or "Whale Products" have been included under "Shellfish et al." Accordingly, turtles, frogs, sponges, seaweed, and worms are included under this classification.

Incidental Catch—The term "incidental catch" refers to the catch of certain species by a type of gear which ordinarily does not capture such species.

Percentages—Percentages are usually shown as whole numbers. Fractions of percents are dropped if less than five-tenths, and the percentage is raised to the next higher integer if the fraction is greater than five-tenths. If the fraction is exactly five-tenths, odd integers are raised to the next even figure while even integers remain unchanged.

Converting—Many of the figures shown in the summary tables published herewith have been converted to thousands of pounds or thousands of dollars. In making these conversions the sum of the items in a table is raised or lowered to the nearest thousand in accordance with standard statistical procedures. The individual items are adjusted to conform to the total thus obtained.

Confidential Data—The statistical data collected by the Service are confidential, and, unless specific authorization is given, are not released in a manner that would divulge private enterprise.

CONVERSION FACTORS

It is the policy of the Service to show detailed catch figures of all products in pounds for the sake of uniformity and for the purposes of comparison. This represents little difficulty in the case of fish, since in very rare instances are fish reported in units of measure other than pounds. For shellfish, however, the units of measure may be bushels, sacks, barrels, numbers, gallons of meats, etc. So many units make standardization difficult, and when combined with the wide variation in the requirements or definitions of some of these units in the various States, the problem becomes even more complex.

All univalve and bivalve mollusks (except freshwater mussel shells) are reported in pounds of meats in the detailed catch tables presented in this report. In addition, there are included supplementary tables for most of the sections, which give data on the production in bushels. These supplementary tables also give the production in number of certain other shellfish, such as crabs. There also is included in the General Review Section of this report a table containing data on the shell weight of univalve and bivalve mollusks taken.

Oysters—Probably the greatest problem in the presentation of fishery statistics in uniform units of measure is in the case of oysters. Usually the production of oysters on the Atlantic and Gulf Coasts is reported to NMFS personnel in bushels. Prior to the data obtained for the year 1930, bushels were converted to pounds of meats on the basis of a uniform yield of 7 pounds of meats to the bushel. However, it was found that there was considerable variation in the yield of oysters per bushel, particularly in Southern States where the yield has ranged as low as half the conversion factor used prior to 1930. There follows a table which gives the measures used for oysters in the various States and the average yields per bushel. The statistical tables in this report are based on these average yields.

MEASURES AND YIELD OF OYSTERS

STATE	CAPACITY OF STATE BUSHEL	VARIATION FROM U.S. STANDARD BUSHEL		YIELD OF MARKET OYSTERS, 1977	
				STATE BUSHEL	U.S. STANDARD BUSHEL
	CUBIC INCHES		PERCENT	POUNDS OF MEATS	
MASSACHUSETTS.....	2,150.4	-	-	6.50	6.50
CONNECTICUT.....	2,150.4	-	-	7.70	7.70
NEW YORK.....	2,150.4	-	-	7.49	7.49
NEW JERSEY.....	2,257.3	+ 106.9	+ 5.0	8.20	7.81
DELAWARE.....	2,257.3	+ 106.9	+ 5.0	6.04	5.75
MARYLAND.....	2,800.7	+ 650.3	+ 30.2	6.37	4.89
VIRGINIA.....	3,003.9	+ 853.5	+ 39.7	10.81	7.74
NORTH CAROLINA.....	2,801.9	+ 651.5	+ 30.3	6.79	5.21
SOUTH CAROLINA.....	4,071.5	+ 1,921.1	+ 89.3	4.96	2.62
GEORGIA.....	5,343.9	+ 3,193.5	+ 148.5	8.55	3.44
FLORIDA, EAST COAST.....	3,214.1	+ 1,063.7	+ 49.5	6.04	4.04
FLORIDA, WEST COAST.....	3,214.1	+ 1,063.7	+ 49.5	5.32	3.56
ALABAMA.....	2,826.2	+ 675.8	+ 31.4	9.91	7.54
MISSISSIPPI.....	2,826.2	+ 675.8	+ 31.4	8.25	6.28
LOUISIANA.....	2,148.4	- 2.0	- 0.1	4.51	4.51
TEXAS.....	2,700.0	+ 549.6	+ 25.6	6.81	5.42

NOTE:—THE CAPACITY OF A U.S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

AVERAGE YIELD OF CERTAIN MOLLUSKS, 1977

STATE	CLAMS					
	HARD		OCEAN QUAHOG	RAZOR	SOFT	SURF
	PUBLIC	PRIVATE				
	POUNDS OF MEATS PER U.S. STANDARD BUSHELS					
MAINE.....	11.00	-	-	-	15.00	-
MASSACHUSETTS.....	11.00	11.00	10.00	16.00	13.00	11.00
RHODE ISLAND.....	12.00	-	10.00	-	13.00	11.00
CONNECTICUT.....	-	12.00	-	-	-	-
NEW YORK.....	12.00	12.00	-	16.00	16.00	17.00
NEW JERSEY.....	10.00	-	10.00	-	12.00	17.00
DELAWARE.....	8.00	-	-	-	-	-
MARYLAND.....	8.00	-	10.00	-	12.00	17.00
VIRGINIA.....	8.00	-	-	-	-	17.00
NORTH CAROLINA.....	8.75	-	-	-	-	17.00
SOUTH CAROLINA.....	8.75	-	-	-	-	-
GEORGIA.....	8.75	-	-	-	-	-
FLORIDA, EAST COAST.....	8.00	-	-	-	-	-

STATE	CONCHS	MUSSELS, SEA	PERIWINKLES AND COCKLES	SCALLOPS		
				BAY	CALICO	SEA
		POUNDS OF MEATS PER U.S. STANDARD BUSHELS				
MAINE.....	15.00	15.00	18.00	-	-	6.00
MASSACHUSETTS.....	15.00	10.00	-	6.00	-	6.00
RHODE ISLAND.....	15.00	10.00	-	-	-	6.00
CONNECTICUT.....	15.00	-	-	-	-	-
NEW YORK.....	15.00	10.00	-	6.00	-	6.00
NEW JERSEY.....	20.00	10.00	-	-	-	6.00
DELAWARE.....	20.00	10.00	-	-	-	-
MARYLAND.....	20.00	-	-	-	-	6.00
VIRGINIA.....	20.00	-	-	-	-	6.00
NORTH CAROLINA.....	-	-	-	5.50	-	6.85
FLORIDA, EAST COAST.....	-	-	-	-	2.35	-
FLORIDA, WEST COAST.....	-	-	-	5.35	2.68	-

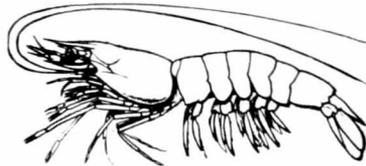
STATISTICAL SURVEY PROCEDURE

RECOVERY OF SHRIMP PRODUCTS AND FACTORS FOR CONVERTING THEM TO HEADS-ON WEIGHT

ITEM	SOUTH ATLANTIC AND GULF CATCH		PACIFIC AND NORTH ATLANTIC CATCH	
	PERCENT RECOVERY FROM HEADS-ON WEIGHT	TO CONVERT TO HEADS-ON WEIGHT, MULTIPLY BY:	PERCENT RECOVERY FROM HEADS-ON WEIGHT	TO CONVERT TO HEADS-ON WEIGHT, MULTIPLY BY:
HEADLESS:				
BROWN (PENAEUS AZTECUS) .	62.1	1.61	-	-
PINK (PENAEUS DUORARUM) .	62.5	1.60	-	-
WHITE (PENAEUS SETIFERUS)	64.9	1.54	-	-
ROYAL RED (HYMENOPENAEUS ROBUSTUS)	55.6	1.80	-	-
SEA BOBS (XIPHOPENAEUS KROYERI)	65.4	1.53	-	-
OTHER (MOSTLY PANDALUS SPECIES)	-	-	57.0	1.75
ALL SPECIES (WEIGHTED AVERAGE)	62.9	1.59	57.0	1.75
PEELED FANTAIL, RAW 1/	50.0	2.00	-	-
PEELED, RAW 1/	49.0	2.04	28.0	3.57
PEELED, COOKED 1/	31.9	3.13	-	-
BREADED, RAW (INCLUDING FANTAIL) 1/	100.0	1.00	-	-
DRIED 1/	13.0	7.69	-	-
CANNED 1/	31.2	3.21	16.0	6.25

1/ AVERAGE FOR ALL SPECIES

NOTE:--EFFECTIVE IN 1962, THE CONVERSION FACTORS LISTED ABOVE BECAME THE RESOURCE STATISTICS DIVISIONS' FACTORS FOR CONVERTING VARIOUS SHRIMP PRODUCTS TO HEADS-ON (ROUND) WEIGHT.



STATISTICAL SURVEY PROCEDURE

RECOVERY OF PROCESSED SHRIMP PRODUCTS AND FACTORS FOR CONVERTING THEM TO WEIGHT OF RAW BASIC PRODUCT, SOUTH ATLANTIC AND GULF STATES

BASIC PRODUCT, RAW	PROCESSED PRODUCT			
	HEADLESS RAW	PEELED FANTAIL RAW	PEELED RAW	PEELED COOKED
HEADS-ON (ROUND)	62.9%	50.0%	49.0%	31.9%
FACTOR	1.59	2.00	2.04	3.13
HEADLESS	100.0%	79.6%	77.9%	50.7%
FACTOR	1.00	1.26	1.28	1.97
PEELED	-	-	100.0%	65.1%
FACTOR	-	-	1.00	1.54

BASIC PRODUCT, RAW	PROCESSED PRODUCT - CONTINUED		
	BREADED RAW	CANNED	DRIED
HEADS-ON (ROUND)	100.0%	31.2%	13.0%
FACTOR	1.00	3.21	7.69
HEADLESS	159.0%	49.6%	20.7%
FACTOR	0.63	2.02	4.83
PEELED	204.1%	63.7%	26.5%
FACTOR	0.49	1.57	3.77

SEE NOTE BELOW FOLLOWING TABLE.

RECOVERY OF PROCESSED SHRIMP PRODUCTS AND FACTORS FOR CONVERTING THEM TO WEIGHT OF RAW PRODUCT, PACIFIC AND NORTH ATLANTIC STATES

BASIC PRODUCT, RAW	PROCESSED PRODUCT		
	HEADLESS RAW	PEELED RAW	CANNED
HEADS-ON (ROUND)	57.0%	28.0%	16.0%
FACTOR	1.75	3.57	6.25
HEADLESS	100.0%	49.1%	28.1%
FACTOR	1.00	2.04	3.56
PEELED	-	100.0%	57.1%
FACTOR	-	1.00	1.75

NOTE:--THE QUANTITY OF PROCESSED PRODUCT MULTIPLIED BY THE FACTOR LISTED YIELDS THE WEIGHT OF BASIC PRODUCT REQUIRED TO PRODUCE THE PROCESSED PRODUCT.

OTHER CONVERSION FACTORS

ITEM	WHEN REPORTED AS	TO CONVERT TO:	MULTIPLY BY
OYSTERS	GALLONS OF SHUCKED MEATS	POUNDS OF SHUCKED MEATS	8.75
CLAMS	"	"	8.75
SCALLOPS	"	"	8.75
OILS, FISH AND WHALE	GALLONS	POUNDS	7.75
CRAB MEAT:			
BLUE	POUNDS	LIVE WEIGHT	7.14
DUNGENESS	"	" "	4.17

SECTION 14 - GLOSSARY

To prevent misunderstanding in the use of common names used in the tables and discussions, the following list of common and scientific names is given for fish, shellfish, and other aquatic animals and plants taken by U.S. fishermen. The list of scientific names is by no means complete and is intended only as a guide for the identification of the various species under the appropriate common name used in the Statistical Digest.

Common name used in Statistical Digest	Other common names	Scientific name
FISH		
Alewife.....	Big-eyed herring, blueback herring, branch herring, glut herring, river herring, shad herring.....	<i>Alosa aestivalis</i> <i>A. pseudoharengus</i>
Amberjack.....	Jack, kahala (Hawaii).....	<i>Seriola</i> species
Anchovy.....	.....	Engraulidae
Angelfish.....	.....	<i>Holocanthus</i> and <i>Pomacanthus</i> species
Anglerfish.....	Allmouth, bellyfish, goosefish, headfish, monkfish....	<i>Lophius americanus</i>
Arctic char.....	Char.....	<i>Salvelinus alpinus</i>
Ballyhoo.....	Balao, halfbeak.....	<i>Hemiramphus brasiliensis</i>
Barracuda.....	Kaku (Hawaii), scooter.....	<i>Sphyræna</i> species
Barracuda, Japanese.....	Kawelea (Hawaii).....	<i>Sphyræna helleri</i>
Bigeye scad.....	Akule (Hawaii).....	<i>Trachurops crumenophthalmus</i>
Billfish.....	Needlefish, saury.....	<i>Tylosurus</i> species
Blackfish (see Hardhead)	.....	<i>Chromis punctipinnis</i>
Blacksmith.....	.....	.....
Black skipjack (see Tuna)	.....	.....
Bluefish.....	Blue snapper, skipjack, tailor.....	<i>Pomatomus saltatrix</i>
Blue pike.....	Hard pike, pikeperch.....	<i>Stizostedion vitreum glaucum</i>
Blue runner.....	Crevalle, hardtail, runner...	<i>Caranx crysos</i>
Bonefish.....	O'io (Hawaii).....	<i>Albula vulpes</i>
Bonito.....	.....	<i>Sarda chiliensis</i> (Pacific) <i>S. sarda</i> (Atlantic)
Bowfin.....	Freshwater dogfish, grindle..	<i>Amia calva</i>
Brown trout.....	.....	<i>Salmo trutta</i>
Buffalofish.....	Buffalo, winter carp.....	<i>Ictiobus</i> species
Burbot.....	Lawyer, ling.....	<i>Lota lota</i>
Butterfish.....	Silver dollar.....	<i>Peprilus triacanthus</i> (Atlantic) <i>P. burti</i> (Gulf of Mexico)
Cabazon.....	Bullhead, marbled sculpin....	<i>Scorpaenichthys marmoratus</i>
Cabrilla.....	Rock bass, spotted cabrilla..	<i>Epinephelus analogus</i>
Carp.....	German carp, summer carp.....	<i>Cyprinus carpio</i>
Catfish and bullheads.....	.....	<i>Ictalurus</i> species
Chubs.....	Blackfin, bluefin, cisco, longjaw, tullibee, whitefish	<i>Coregonus</i> and <i>Leucichthys</i> species
Cigarfish.....	Mackerel scad, opelu (Hawaii), round scad, scad.....	<i>Decapterus</i> species
Cisco.....	Herring, lake herring.....	<i>Coregonus artedii</i> (Lake Erie only)
Cobia (cabio).....	Black bonito, cobio, crab-eater, lemonfish, ling.....	<i>Rachycentron canadum</i>
Cod.....	Codfish.....	<i>Gadus macrocephalus</i> (Pacific) <i>G. morhua</i> (Atlantic)
Crappie.....	Black crappie, calico crappie, white crappie.....	<i>Pomoxis annularis</i> <i>P. nigromaculatus</i>

Common name used in Statistical Digest	Other common names	Scientific name
Crevalle.....	Blue crevalle or omilu (Hawaii), common jack, crevalle jack, hardtail, jack cravelly or ulua, omaka (Hawaii).....	<i>Caranx hippos</i>
Croaker.....	Crocus, hardhead.....	<i>Micropogon undulatus</i> (Atlantic)
Cunner.....	Bergall, blue perch, chogset.	<i>Tautogolabrus adspersus</i>
Cusk.....	Torsk, tusk.....	<i>Brosme brosme</i>
Cutlassfish.....	Silver eel, ribbon fish.....	<i>Trichiurus lepturus</i> (Atlantic)
Damselfish.....	Kupipi (Hawaii).....	<i>Abudefduf sordidus</i>
Dolly Varden trout.....	Bull trout, Dolly Varden, salmon trout.....	<i>Salvelinus malma</i>
Dolphinfish.....	Dorado, mahimahi (Hawaii), pompano dolphin, dolphin....	<i>Coryphaena equisetis</i> <i>C. hippurus</i>
Drum:		
Black.....	Oyster cracker, oyster drum, sea drum.....	<i>Pogonias cromis</i>
Red.....	Channel bass, redfish, spotted bass.....	<i>Sciaenops ocellata</i>
Eel:		
Common.....	American eel, silver eel....	<i>Anguilla rostrata</i>
Conger.....	Puhi (Hawaii), white eel....	<i>Conger oceanicus</i> <i>C. marginatus</i>
Moray.....	Puhi (Hawaii).....	<i>Muraenidae</i>
Flounder:		
Atlantic and Gulf Coasts:		
Blackback.....	Winter flounder (weighing under 3-1/2 pounds each)....	<i>Pseudopleuronectes americanus</i>
Dab.....	American plaice, sea dab....	<i>Hippoglossoides platessoides</i>
Fluke.....	Flounder, Gulf flounder, summer flounder, southern flounder.....	<i>Paralichthys albigutta</i> <i>P. dentatus</i> <i>P. lethostigma</i> <i>Glyptocephalus cynoglossus</i>
Gray sole.....	Witch flounder.....	<i>Pseudopleuronectes americanus</i>
Lemon sole.....	Blackback (weighing over 3-1/2 pounds each).....	<i>Limanda ferruginea</i>
Yellowtail.....	Dab.....	
Pacific Coast:		
Arrowtooth halibut.....	Arrowtooth flounder, French sole, turbot.....	<i>Atheresthes stomias</i>
California halibut.....	Chicken halibut.....	<i>Paralichthys californicus</i>
Sanddab.....	Pacific sanddab.....	<i>Citharichthys sordidus</i>
"Sole":		
Dover.....	Slime sole, shortfinned sole.	<i>Microstomus pacificus</i>
English.....	Lemon sole, California sole..	<i>Parophrys vetulus</i>
Petrale.....	Brill.....	<i>Eopsetta jordani</i>
Rex.....	Longfinned sole.....	<i>Glyptocephalus zachirus</i>
Sand.....	Fringe sole.....	<i>Psettichthys melanostictus</i>
Unclassified.....	.....	<i>Bothidae and Pleuronectidae</i>
Flying fish.....	.....	<i>Cypselurus</i> species
Frigate mackerel.....	.....	<i>Auris thazard</i>
Garfish.....	Gar, sea gar.....	<i>Lepisosteus</i> species
Gizzard shad.....	Mud shad, nanny shad, winter shad.....	<i>Dorosoma cepedianum</i>
Goatfish.....	Kumu, malu, moano, moelua, weke, weke-ula (Hawaii)....	<i>Mullidae</i>
Goldfish.....	Gold perch, sand perch.....	<i>Carassius auratus</i>
Grenadier.....	.....	<i>Coryphaenoides</i> species

Common name used in Statistical Digest	Other common names	Scientific name
Grouper.....	Sea bass.....	<i>Epinephelus</i> and <i>Mycteroperca</i> species, except <i>E. itajara</i>
Grunt.....	Margate, sailors' choice.....	<i>Haemulon</i> and <i>Anisotremus</i> species
Haddock.....	.....	<i>Melanogrammus aeglefinus</i>
Hake:		
Pacific.....	Merluccio.....	<i>Merluccius productus</i>
Red.....	Black hake, ling, mud hake, squirrel, squirrel hake.....	<i>Urophycis chuss</i> (Atlantic) <i>Urophycis tenuis</i>
White.....	Hake.....	<i>Medialuna californiensis</i>
Halfmoon.....	Rudderfish, Catalina perch...	<i>Hippoglossus hippoglossus</i> (Atlantic)
Halibut.....	.....	<i>H. stenolepis</i> (Pacific)
Hardhead.....	Sacramento blackfish, Sacramento rockfish.....	<i>Orthodon microlepidotus</i>
Harvestfish.....	Dollarfish, northern harvestfish, pappyfish, southern harvestfish, starfish.....	<i>Peprius alepidotus</i>
Herring:		
Lake.....	Cisco.....	<i>Coregonus artedii</i>
Sea.....	Sardine.....	<i>Clupea harengus hargenus</i> (Atlantic) <i>C. harengus pallasi</i> (Pacific) <i>Opisthonema oglinum</i> (Atlantic)
Thread.....	Hairyback.....	<i>Alosa mediocris</i>
Hickory shad.....	Autumnal herring, skip, tailor shad.....	<i>Trinectes maculatus</i> <i>Lachnolaimus maximus</i>
Hogchoker.....	.....	<i>Trachurus symmetricus</i>
Hogfish.....	.....	<i>Epinephelus itajara</i>
Jack mackerel.....	Horse mackerel, Spanish mackerel.....	<i>Genyonemus lineatus</i>
Jewfish.....	.....	<i>Menticirrhus</i> species
King croaker.....	Herring, kingfish, tomcod, white croaker.....	<i>Salvelinus namaycush</i> <i>Entosphenus tridentatus</i> (Pacific) <i>Petromyzon marinus</i> (Atlantic)
King whiting or "kingfish" ..	Ground mullet, sea mink, sea mullet, whiting.....	
Lake trout.....	.....
Lamprey.....	Pacific lamprey, sea lamprey.	
Launce.....	American sand launce, lanti, sand eel, sand launce.....	<i>Ammodytes</i> species
Lingcod.....	Blue cod, buffalo cod, cultus cod, ling.....	<i>Ophiodon elongatus</i>
Mackerel:		
Atlantic.....	American mackerel, Boston mackerel.....	<i>Scomber scombrus</i> <i>Scomberomorus cavalla</i> <i>S. regalis</i>
King.....	Cero, kingfish.....	<i>Scomber japonicus</i> <i>Scomberomorus maculatus</i> (Atlantic) <i>S. concolor</i> (Pacific)
Pacific.....	Chub mackerel, green mackerel	
Spanish.....	Mackerel.....	
Mackerel scad.....	Opelu (Hawaii).....	<i>Decapterus macarellus</i> (Atlantic) <i>D. pinnulatus</i> (Pacific)

Common name used in Statistical Digest	Other common names	Scientific name
Marlin:		
Black.....	A'u (Hawaii), Pacific blue marlin.....	<i>Makaira indica</i> <i>M. nigricans</i> <i>Istiophorus platypterus</i>
Sailfish.....	A'u (Hawaii), lepe.....	<i>Tetrapturus angustirostris</i>
Shortbill.....	A'u (Hawaii), shortnosed spearfish.....	<i>Tetrapturus albidus</i> <i>Tetrapturus audax</i>
Silver.....	A'u (Hawaii), white marlin...	<i>Istiophoridae</i>
Striped.....	A'u (Hawaii).....	<i>Brevoortia tyrannus</i> (Atlantic)
Unclassified.....	A'u (Hawaii).....	<i>B. patronus</i> (Gulf)
Menhaden.....	Bigeye, bunker, fatback, mossbunker, pogy.....	<i>Chanos chanos</i>
Milkfish.....	Awa (Hawaii).....	<i>Cyprinidae</i>
Minnows.....	Hitch.....	<i>Gerreidae</i>
Mojarra.....	Sand bream, sand perch.....	<i>Hiodon tergisus</i> <i>H. alosoides</i>
Mooneye.....	Goldeye, toothed herring.....	<i>Kuhlia sandvicensis</i> <i>Gillichthys mirabilis</i>
Mountain bass.....	Aholehole (Hawaii).....	
Mudsucker, longjaw.....	.....
Mullet.....	Amaama (Hawaii), black mullet, Liza, jumping mullet, sand mullet, silver mullet, striped mullet, white mullet.....	<i>Mugil species</i>
Muttonfish.....	Mutton snapper.....	<i>Lutjanus analis</i>
Ocean perch:		
Atlantic.....	Redfish, red perch rosefish..	<i>Sebastes marinus</i>
Pacific.....	.....	<i>Sebastes alutus</i>
Ocean pout.....	Eelpout, sea pout.....	<i>Macrozoarces americanus</i>
Opaleye.....	Black perch.....	<i>Girella nigricans</i>
Paddlefish.....	Spoonbill cat.....	<i>Polyodon spathula</i>
Parrotfish.....	Uhu (Hawaii).....	<i>Scaridae</i>
Perch.....	Surffish, surfperch.....	<i>Embiotocidae</i>
Permit.....	.....	<i>Trachinotus falcatus</i>
Pigfish.....	Hogfish.....	<i>Orthopristis chrysoptera</i>
Pike or pickerel.....	Great Lakes pike.....	<i>Esox species</i>
Pinfish.....	Bream, saltwater bream.....	<i>Lagodon rhomboides</i>
Pollock.....	Boston bluefish.....	<i>Pollachius virens</i> <i>Theragra chalcogramma</i> (Pacific)
Pompano.....	.....	<i>Peprius similimus</i> (Pacific)
Queenfish.....	.....	<i>Trachinotus carolinus</i> (Atlantic)
Quillback.....	Skimfish, spearfish.....	<i>Seriphus politus</i> <i>Carpiodes cyprinus</i>
Rainbow trout.....	Steelhead trout.....	<i>Salmo gairdneri</i>
Ratfish.....	.....	<i>Hydrolagus colliei</i>
Red bigeye.....	Aweoweo (Hawaii).....	<i>Priacanthidae</i>
Rock bass.....	Goggle-eye, groupers, kelp bass, redeye, sand bass, spotted bass.....	<i>Ambloplites rupestris</i> <i>Paralabrax species</i> (Pacific)
Rockfishes.....	Rock cod, snapper, idiot, boccacio.....	<i>Sebastes species</i> , except <i>S. alutus</i> (Pacific)
Rudderfish.....	Bermuda chub, Nenu (Hawaii).	<i>Kyphosus sectatrix</i> (Atlantic and Gulf Coasts) <i>K. cinerascens</i>
Runner.....	Lae (Hawaii), leatherback....	<i>Scomberoides sancti-petri</i>

GLOSSARY

Common name used in Statistical Digest	Other common names	Scientific name
Sablefish.....	Black cod, butterfish, candlefish.....	<i>Anoplopoma fimbria</i>
Salmon:		
Atlantic.....	.....	<i>Salmo salar</i>
Pacific:		
Chinook or king.....	Spring, tyee, tulie, royal chinook, blackmouth.....	<i>Oncorhynchus tshawytscha</i>
Chum or keta.....	Dog, fall, silver bright....	<i>O. keta</i>
Pink.....	Humpback, humpy.....	<i>O. gorbuscha</i>
Red or sockeye.....	Blueback, kokanee.....	<i>O. nerka</i>
Silver or coho.....	Hooknose.....	<i>O. kisutch</i>
Sand perch.....	Silver perch, yellowtail....	<i>Bairdiella chrysura</i>
Sardine, Pacific.....	Pilchard, makiawa (Hawaii)...	<i>Sardinops caerulea</i>
Sauger.....	Sand pike.....	<i>Etrumeus micropus</i>
Saury.....	Skipper, sour belly.....	<i>Stizostedion canadense</i>
		<i>Cololabis saira</i> (Pacific)
		<i>Scorberesox saurus</i> (Atlantic)
Sawfish.....	Smalltooth sawfish.....	<i>Pristis pectinata</i>
Sculpin.....	Bullhead, scorpionfish.....	Scorpaenidae
Scup or porgy.....	Fair maid, paugy, porgee, white snapper.....	<i>Calamus</i> and <i>Stenotomus</i> species
Sea bass:		
Black.....	Blackfish (Atlantic), black jewfish (Pacific), giant sea bass, hapuupuu (Hawaii).	<i>Centropristis</i> species (Atlantic) <i>Epinephelus quernus</i> (Hawaii) <i>Stereolepis gigas</i> (Pacific)
White.....	Sea trout.....	<i>Cynoscion nobilis</i> (Pacific)
Sea catfish.....	Catfish, gafftopsail.....	<i>Arius felis</i> <i>Bagre marinus</i>
Sea robin.....	.....	<i>Prionotus</i> species
Sea trout or weakfish:		
Gray.....	Gray trout, squeteague, weakfish.....	<i>Cynoscion regalis</i>
Spotted.....	Speckled trout, spotted seatrout, spotted trout....	<i>C. nebulosus</i>
White.....	Sand seatrout, sand trout, white trout, silver seatrout	<i>C. arenarius</i> <i>C. nothus</i>
Shad.....	American shad, white shad....	<i>Alosa sapidissima</i>
Sharks:		
Grayfish.....	Dogfish, smooth dog, spiny, steakfish.....	<i>Mustelus</i> and <i>Squalus</i> species
Soupfin.....	.....	<i>Galeorhinus zyopterus</i>
Unclassified.....	.....	<i>Carcharodon</i> , <i>Carcharhinus</i> , <i>Lamna</i> , <i>Odontaspis</i> , and <i>Sphryna</i> species
Sheefish.....	Inconnu.....	<i>Stenodus leucichthys</i>
Sheephead.....	California sheephead.....	<i>Pimelometopon pulchrum</i>
Sheepshead:		
Freshwater.....	Freshwater drum, gaspergou, gou.....	<i>Aplodinotus grunniens</i>
Saltwater.....	Fathead, humpy, redfish....	<i>Archosargus probatocephalus</i>
Sierra.....	.....	<i>Scorberomorus sierra</i>
Silversides.....	Spearing.....	Atherinidae
Skates.....	Rajafish, ray.....	<i>Raja</i> species
Smelt.....	American smelt, eulachon, rainbow smelt, silver smelt, capelin.....	Osmeridae <i>Mallotus villosus</i>

Common name used in Statistical Digest	Other common names	Scientific name
Snapper:		
Gray.....	Uku.....	<i>Lutjanus griseus</i> <i>Aprion virescens</i>
Lane.....	.....	<i>Lutjanus synagris</i>
Mangrove.....	Gray snapper.....	<i>L. griseus</i>
Mutton.....	Muttonfish.....	<i>L. analis</i>
Pink.....	Kalikalii, opakapaka (Hawaii).	<i>Pristipomoides microlepis</i> <i>P. sieboldii</i>
Red.....	Ulaula, ulaula koae (Hawaii).	<i>Etelis carbunculus</i> , <i>E. marshi</i> , <i>Lutjanus campechanus</i> , <i>L. purpureus</i>
Vermilion.....	.....	<i>Rhomboplites aurorubens</i>
Yellowtail.....	.....	<i>Ocyurus chrysurus</i>
Unclassified.....	.....	<i>Apsilus</i> , <i>Etelis</i> , and <i>Lutjanus</i> species
Snook.....	Pike, robalo, sergeantfish...	<i>Centropomus undecimalis</i>
Spadefish.....	Angelfish, Atlantic spadefish	<i>Chaetodipterus faber</i> (Atlantic) <i>C. zonatus</i> (Pacific)
Spanish sardine.....	.....	<i>Sardinella anchovia</i>
Splittail.....	.....	<i>Pogonichthys macrolepidotus</i>
Spot.....	A'awa (Hawaii), goody, lafayette.....	<i>Leiostomus xanthurus</i>
Squirrelfish.....	Ala'hi (Hawaii).....	Holocentridae
Steelhead trout.....	Rainbow trout, salmon trout..	<i>Salmo gairdneri</i>
Striped bass.....	Rock, rockbass, rockfish, striper.....	<i>Morone saxatilis</i>
Sturgeon:		
Common.....	Atlantic sturgeon, green sturgeon, lake sturgeon, white sturgeon.....	<i>Acipenser</i> species
Shovelnose.....	Pallid sturgeon.....	<i>Scaphirhynchus platyrhynchus</i> <i>S. albus</i>
Suckers.....	Bayfish, freshwater mullet, redfin.....	Catostomidae
Sunfish.....	Bluegill, bream, perch.....	<i>Lepomis</i> species
Surgeonfish.....	Kala, maiko, palani, pualu (Hawaii).....	Acanthuridae, <i>Naso unicornus</i>
Swellfish.....	Blowfish, globefish, northern puffer, puffer, swell toad..	<i>Sphoeroides</i> species
Swordfish.....	A'u (Hawaii), broadbill swordfish.....	<i>Xiphias gladius</i>
Tang:		
Convict.....	Manini (Hawaii).....	<i>Acanthurus sandvicensis</i>
Orange spot.....	Naenae (Hawaii).....	<i>A. olivaceus</i>
Tautog.....	Blackfish, oysterfish.....	<i>Tautoga onitis</i>
Tenpounder.....	Awaawa (Hawaii), bigeyed herring, ladyfish.....	<i>Elops hawaiiensis</i> <i>E. saurus</i>
Thimble-eyed mackerel.....	Bullseye mackerel, chub mackerel.....	<i>Scomber japonicus</i>
Threadfin.....	Moi (Hawaii).....	<i>Polydactylus sexfilis</i>
Tilapia.....	Mosquitofish, mouthbrooder...	<i>Tilapia</i> species
Tiifish.....	.....	<i>Lopholatilus chamaeleonticeps</i>
Tomcod.....	Frost fish.....	<i>Microgadus proximus</i> (Pacific) <i>M. tomcod</i> (Atlantic)
Triggerfish.....	Humuhumu (Hawaii).....	Balistidae

Common name used in Statistical Digest	Other common names	Scientific name
Tripletail.....	Blackfish, sunfish.....	<i>Lobotes surinamensis</i>
Tullibee (see chubs)		
Tuna:		
Albacore.....	Ahipalaha (Hawaii), longfin tuna.....	<i>Thunnus alalunga</i>
Bigeye.....	Ahi (Hawaii).....	<i>T. obesus</i>
Blackfin.....	.....	<i>T. atlanticus</i>
Black skipjack.....	.....	<i>Euthynnus lineatus</i>
Bluefin.....	Horse mackerel.....	<i>Thunnus thynnus</i>
Little.....	Bonito, false albacore, kawakawa (Hawaii).....	<i>Euthynnus alletteratus</i> (Atlantic) and <i>E. affinis</i> (Hawaii)
Skipjack.....	Aku (Hawaii), striped tuna, ocean bonito.....	<i>E. pelamis</i> and <i>Katsuwonus pelamis</i> (Hawaii)
Yellowfin.....	Ahi (Hawaii).....	<i>Thunnus albacares</i>
Other.....	.....	<i>Euthynnus</i> and <i>Thunnus</i> species
Turbot.....	Alaska plaice.....	<i>Pleuronectes quadrituberculatus</i>
Wahoo.....	Ono (Hawaii).....	<i>Acanthocybium solandri</i>
Warsaw.....	Black jewfish, warsaw grouper	<i>Epinephelus nigritus</i>
White amur.....	Grass pike.....	<i>Ctenopharyngodon idellus</i>
Whitebait.....	Smelt.....	<i>Allosmerus elongatus</i>
White bass.....	White lake bass.....	<i>Morone chrysops</i>
Whitefish:		
Common.....	Lake whitefish.....	<i>Coregonus clupeaformis</i>
Menominee.....	Round whitefish.....	<i>Propisopium cylindraceum</i>
Ocean.....	.....	<i>Caulolatilus princeps</i> (Pacific)
White perch.....	.....	<i>Morone americana</i>
Whiting.....	Silver hake.....	<i>Merluccius bilinearis</i>
Wolffish.....	Atlantic wolffish, ocean catfish.....	<i>Anarhichas lupus</i>
Yellow bass.....	Bar fish.....	<i>Morone mississippiensis</i>
Yellow perch.....	Perch, ringed perch.....	<i>Perca flavescens</i>
Yellow pike.....	Pike perch, walleye pike....	<i>Stizostedion vitreum vitreum</i>
Yellowtail.....	.....	<i>Seriola dorsalis</i>

Common name used in Statistical Digest	Other common names	Scientific name
CRUSTACEANS		
Crabs:		
Blue:		
Hard.....	Hard shell crab.....	<i>Callinectes sapidus</i>
Soft and peeler.....	Soft shell crab.....	<i>C. sapidus</i>
Dungeness.....	Market.....	<i>Cancer magister</i>
Green.....	.....	<i>Carcinus maenas</i>
Jonah.....	.....	<i>Cancer borealis</i>
King.....	Alaska king crab.....	<i>Paralithodes camschatica</i>
		<i>P. platypus</i>
		<i>Lithodes acquispina</i>
Kona.....	.....	<i>Ranina ranina</i>
Red.....	Moala (Hawaii).....	<i>Geryon quinquedens</i> (Atlantic)
		<i>Podophthalmus vigil</i> (Pacific)
Rock.....	Eelgrass crab.....	<i>Cancer irroratus</i> (Atlantic)
		<i>C. productus</i> (Pacific)
Samoan.....	.....	<i>Scylla serrata</i> (Hawaii)
Snow.....	Tanner.....	<i>Chionoecetes bairdi</i>
Stone.....	.....	<i>Menippe mercenaria</i>
White.....	Kuahonu (Hawaii).....	<i>Portunus sanguinolentus</i>
Crawfish, freshwater.....	Crab, craw, crawdad, crayfish.....	<i>Astacus</i> species (Pacific)
		<i>Cambarus</i> species (Central and Eastern)
Horseshoe crab.....	Horsefoot crab, king crab...	<i>Limulus polyphemus</i>
Lobster:		
American.....	Maine lobster, northern lobster.....	<i>Homarus americanus</i>
Slipper.....	Ulapapapa (Hawaii).....	<i>Paribaccus antarcticus</i>
		<i>Scyllarides squamosus</i> (Hawaii)
Spiny.....	Bug crawfish, rock lobster, saltwater crawfish, ula (Hawaii).....	<i>Panulirus argus</i> (Atlantic)
		<i>P. interruptus</i> (Pacific)
		<i>P. penicillatus</i> (Hawaii)
Sand shrimp.....	Ghost shrimp, blue mud shrimp.....	<i>Callinassa californiensis</i>
		<i>C. gigas</i>
		<i>C. affinis</i>
		<i>Upogebia pugettensis</i>
Shrimp:		
Saltwater.....	Bay shrimp, hoppers, ocean shrimp, opae (Hawaii), sea bobs, coon stripe, northern.....	Penaeidae, Pandalidae, Crangonidae
		<i>Penaeus aztecus</i> (brown)
		<i>P. brasiliensis</i> (pink)
		<i>P. duorarum</i> (pink)
		<i>P. setiferus</i> (white)
		<i>Xiphopenaeus kroyeri</i> (sea bob)
		<i>Sicyonia</i> species (rock)
		<i>Hymenopenaeus robustus</i> (royal red)
		<i>Pandalus borealis</i>
Freshwater.....	.....	<i>Macrobrachium</i> species

GLOSSARY

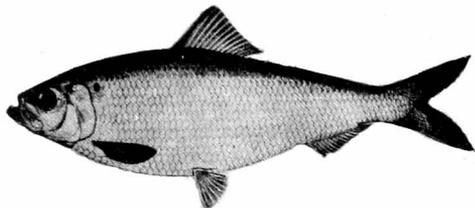
Common name used in Statistical Digest	Other common names	Scientific name
MOLLUSKS, et al.		
Abalone.....	.....	<i>Haliotis</i> species
Clams:		
Cockle.....	.....	<i>Cardium corbis</i> (Pacific)
Geoduck.....	Geoduck, gweduc, king clam...	<i>Panopea generosa</i>
Hard.....	Butter, cherrystone, little neck, quahog, round clam...	<i>Mercenaria campechiensis</i> <i>M. mercenaria</i> <i>Protothaca staminea</i> <i>Saxidomus giganteus</i>
Horse.....	Blue, blue neck, empire, horseneck clam, gaper.....	<i>Tresus capax</i> <i>T. nuttalli</i>
Ocean quahog.....	Black quahog, mahogany quahog.....	<i>Artica islandica</i>
Rangia.....	Freshwater clams.....	<i>Rangia cuneata</i> (East and Gulf coasts)
Razor.....	.....	<i>Ensis directus</i> (Atlantic) <i>Siliqua patula</i> (Pacific)
Soft.....	Maninose, nannynose, sand clam, soft shell clam, steamer clam, mud clam....	<i>Mya arenaria</i> <i>Macrocallista nimbosa</i>
Sunray venus.....	.....	<i>Spisula solidissima</i>
Surf.....	Bar clam, sea clam, skimmer.	<i>Busycon</i> and <i>Strombus</i> species
Conchs.....	Whelks, moonshell, moonshell	<i>Polinices heros</i>
Limpet.....	Coolie hat, hihiwai, opihi (Hawaii).....	<i>Acmaea digitalis</i> <i>Helcioniscus argentatus</i> (saltwater, Hawaii) <i>Neritina granosa</i> (freshwater, Hawaii)
Mussels, sea.....	Edible mussel.....	<i>Mytilus californianus</i> (Pacific) <i>M. edulis</i> (Atlantic)
Mussel shells.....	Freshwater mussels.....	Unionidae
Pearls and slugs.....	.....	Unionidae
Octopus.....	Devilfish, hee (Hawaii).....	<i>Octopus vulgaris</i> (Atlantic) <i>O. hongkongensis</i> (Pacific)
Oysters:		
Eastern.....	American, cove.....	<i>Crassostrea virginica</i>
Pacific.....	Japanese.....	<i>C. gigas</i>
Western.....	Native, Olympia.....	<i>Ostrea lurida</i>
Periwinkles.....	.....	Littorinidae
Scallops:		
Bay.....	.....	<i>Argopecten irradians</i> (Northeast Atlantic) <i>Pecten dislocatus</i> (South Atlantic)
Calico.....	.....	<i>Argopecten gibbus</i>
Sea.....	.....	<i>Patinopecten caurinus</i> (Alaska) <i>Placopecten magellanicus</i> (Atlantic)

Common name used in Statistical Digest	Other common names	Scientific name
Squid.....	Bone squid, inkfish, muhee, taw taw (Hawaii), summer squid.....	<i>Loligo opalescens</i> (Pacific) <i>L. pealii</i> (Atlantic) <i>Illex</i> species
Sea urchins.....	Sea eggs.....	<i>Strongylocentrotus droebachiensis</i> (Atlantic) <i>S. purpuratus</i> (Pacific)
Terrapin.....	Diamondback.....	<i>Malaclemys terrapin</i>
Trepang.....	Loli (namako-Hawaii), sea cucumber.....	<i>Stichopus californicus</i> (Pacific) <i>Thyonebriareus</i> (Atlantic)
Turtles:		
Baby.....	.....	Young of freshwater species
Green.....	Honu (Hawaii).....	<i>Chelydra mydas</i>
Loggerhead.....	.....	<i>Caretta caretta</i>
Slider.....	.....	<i>Pseudemys</i> species
Snapper.....	Alligator turtle, hard shell.	<i>Chelydra serpentina</i> <i>Macrochelys temmincki</i>
Soft-shell.....	.....	<i>Trionyx</i> species
Frogs.....	.....	<i>Rana</i> species
Irish moss.....	.....	<i>Chondrus crispus</i>
Kelp.....	Seaweed.....	<i>Macrocystis</i> species
Seaweed.....	Limu.....	<i>Porphyra</i> species
Sponges:		
Glove.....	.....	<i>Spongia cheiris</i>
Grass.....	.....	<i>Spongia graminea</i>
Sheepswool.....	Wool.....	<i>Hippiospongia lachne</i>
Bloodworm.....	.....	<i>Glycera dibranchiata</i>
Sandworm.....	.....	<i>Nereis</i> species
Fur seal.....	.....	<i>Callorhinus ursinus</i>

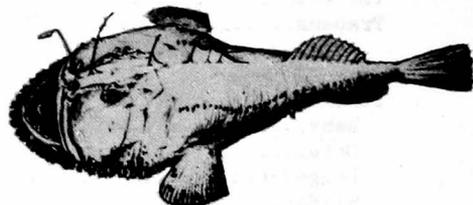
SECTION 15 - PICTORIAL SECTION

As many of the readers of this publication may not be familiar with all of the species of fish and shellfish, etc., taken commercially in the United States, illustrations of many of the various species are included in the following pages. The descriptive material appearing with each species includes the areas in which commercial landings are made in the United States and does not constitute the extreme limits in which they occur. Similarly, the gear listed for each species do not represent the only types of apparatus by which these species are obtained, but represent those types which are normally used in their capture. The gear do not necessarily appear in the order of their importance. Illustrations of species landed in Hawaii are not included in this section.

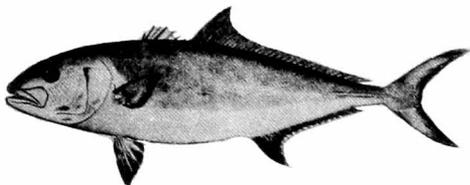
For more detailed information on the nomenclature of the fishery products listed below, the reader is referred to Section 14 of this publication entitled, "Glossary."



ALEWIFE
RANGE - FLORIDA TO NEW ENGLAND
GEAR - POUND NETS, GILL NETS, WEIRS,
DIP NETS, HAUL SEINES, FLOATING TRAPS,
FYKE NETS



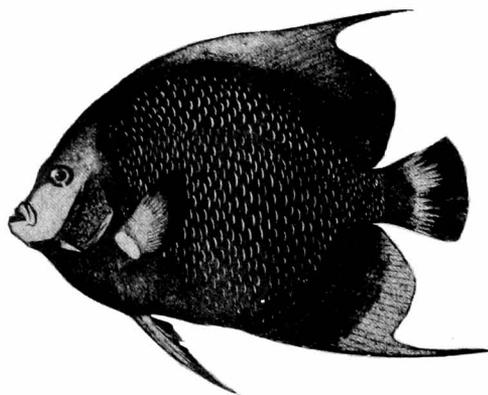
ANGLERFISH
RANGE - NEW JERSEY TO MASSACHUSETTS
GEAR - OTTER TRAWLS, POUND NETS



AMBERJACK
RANGE - FLORIDA
GEAR - HANDLINES, TROLL LINES



ANCHOVY
RANGE - CALIFORNIA TO WASHINGTON
GEAR - PURSE SEINES AND HAUL SEINES



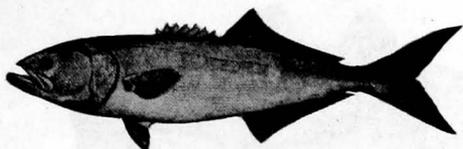
ANGELFISH
RANGE - FLORIDA
GEAR - HAUL SEINES



BARRACUDA (ATLANTIC)
RANGE - FLORIDA
GEAR - TROLL LINES, HANDLINES



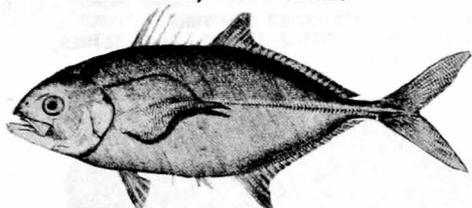
BARRACUDA (PACIFIC)
RANGE - CALIFORNIA
GEAR - PURSE SEINES, LONGLINES, HANDLINES,
TROLL LINES, GILL AND TRAMMEL NETS



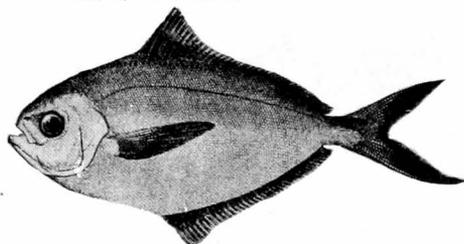
BLUEFISH
 RANGE - GULF OF MEXICO TO NEW ENGLAND
 GEAR - HAUL SEINES, GILL NETS, POUND NETS,
 TROLL LINES, PURSE SEINES



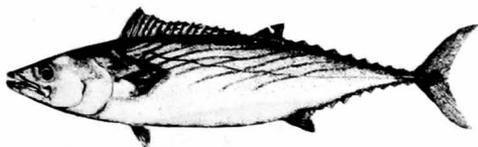
BURBOT
 RANGE - GREAT LAKES
 GEAR - GILL NETS, FYKE NETS, POUND
 NETS, TRAP NETS



BLUE RUNNER OR HARDTAIL
 RANGE - GULF OF MEXICO
 GEAR - HAUL SEINES, GILL NETS, POTS



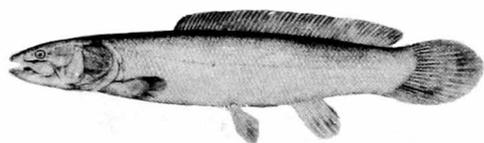
BUTTERFISH
 RANGE - FLORIDA TO NEW ENGLAND
 GEAR - POUND NETS, HAUL SEINES, OTTER TRAWLS



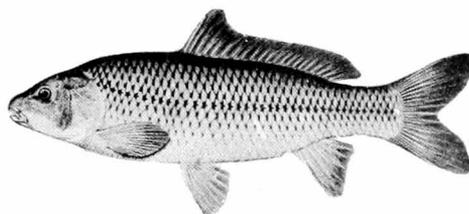
BONITO (ATLANTIC)
 RANGE - NORTH CAROLINA TO MASSACHUSETTS
 GEAR - POUND NETS, TROLL LINES, GILL NETS



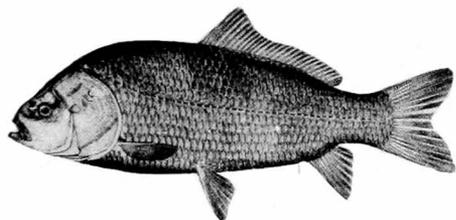
CABIO
 RANGE - FLORIDA TO VIRGINIA
 GEAR - HANDLINES, POUND NETS



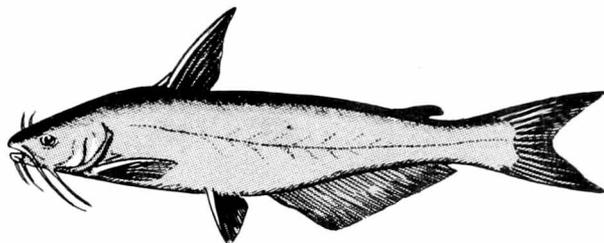
BOWFIN
 RANGE - FRESH-WATER
 GEAR - HAUL SEINES, TRAP NETS, FYKE NETS



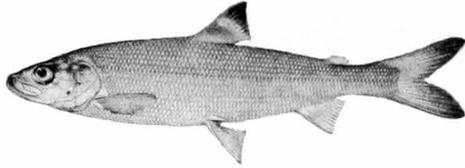
CARP
 RANGE - FRESH-WATER
 GEAR - HAUL SEINES, GILL NETS, TRAP NETS,
 FYKE NETS, POUND NETS, TROT LINES



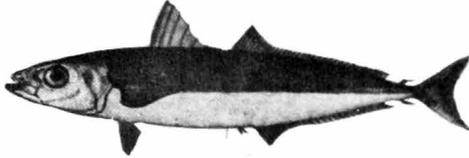
BUFFALOFISH
 RANGE - FRESH-WATER
 GEAR - HAUL SEINES, FYKE NETS, TRAMMEL
 NETS, TROT LINES



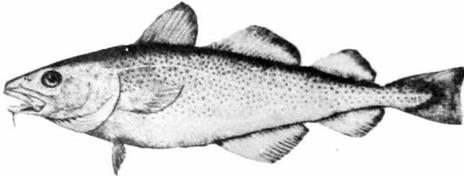
CATFISH
 RANGE - FRESH-WATER
 GEAR - HAUL SEINES, TROT LINES, POUND
 NETS, POTS, FYKE NETS



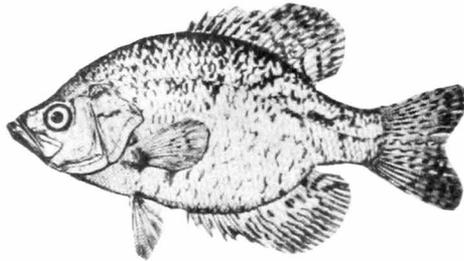
CHUB
RANGE - GREAT LAKES
GEAR - GILL NETS



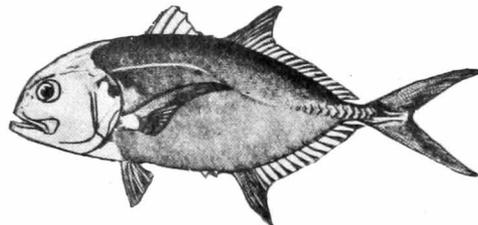
CIGARFISH
RANGE - FLORIDA
GEAR - HAUL SEINES



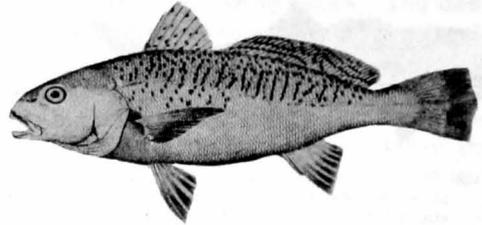
COD
RANGE - VIRGINIA TO MAINE, WASHINGTON,
AND ALASKA
GEAR - OTTER TRAWLS, LONGLINES, GILL NETS



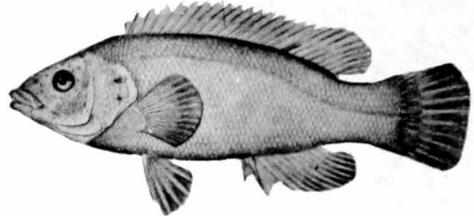
CRAPPIE
RANGE - FRESH-WATER LAKES
GEAR - HAUL SEINES, LINES, POTS



CREVALLE
RANGE - SOUTH ATLANTIC AND GULF STATES
GEAR - HAUL SEINES, GILL NETS, LINES



CROAKER
RANGE - GULF OF MEXICO TO NEW YORK
GEAR - POUND NETS, OTTER TRAWLS, HAUL SEINES,
GILL NETS



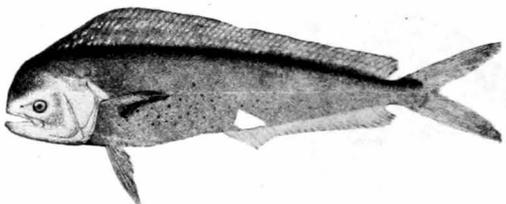
CUNNER
RANGE - NEW ENGLAND
GEAR - OTTER TRAWLS, HANDLINES



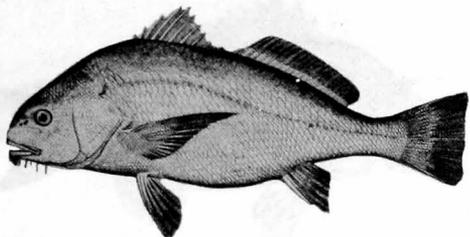
CUSK
RANGE - NEW ENGLAND
GEAR - OTTER TRAWLS, LONGLINES



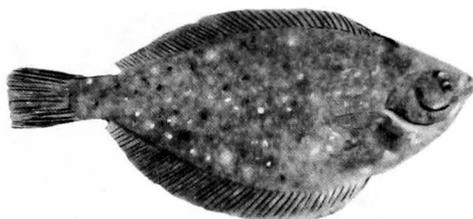
DOLLY VARDEN TROUT
RANGE - PACIFIC
GEAR - POUND NETS, GILL NETS, LINES



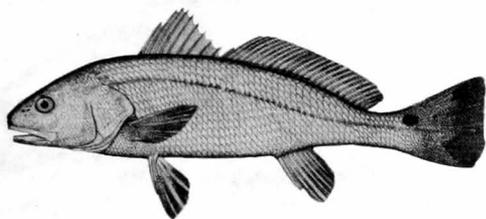
DOLPHIN
RANGE - FLORIDA TO NORTH CAROLINA
GEAR - TROLL LINES



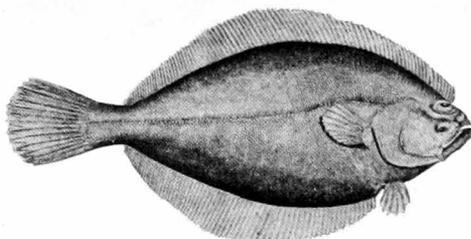
DRUM, BLACK
RANGE - TEXAS TO NORTH CAROLINA
GEAR - HAUL SEINES, POUND NETS, LINES



LEMON SOLE
RANGE - NEW YORK TO MAINE
GEAR - OTTER TRAWLS



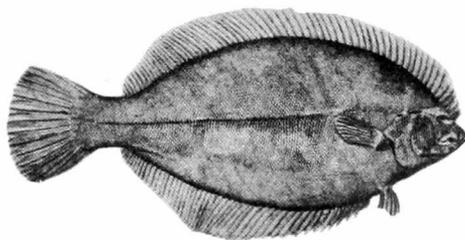
DRUM, RED
RANGE - TEXAS - MARYLAND
GEAR - POUND NETS, HAUL SEINES, GILL NETS,
LINES



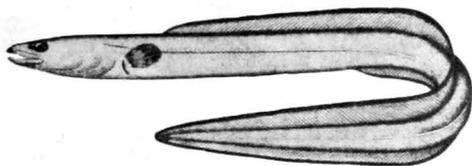
DAB
RANGE - MASSACHUSETTS TO NOVA SCOTIA
GEAR - OTTER TRAWLS, LONGLINES



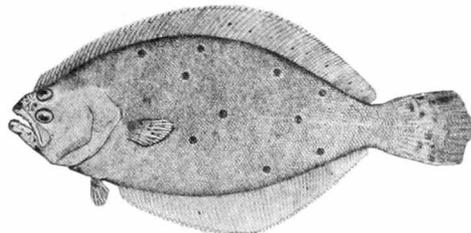
EEL, COMMON
RANGE - FLORIDA TO NEW ENGLAND AND IN
MISSISSIPPI RIVER, LAKE ONTARIO
GEAR - POTS, SPEARS, POUND NETS



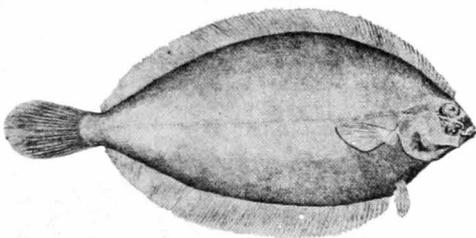
BLACKBACK OR WINTER FLOUNDER
RANGE - NORTH CAROLINA TO MAINE
GEAR - OTTER TRAWLS, POUND NETS, FYKE NETS,
SPEARS, LINES



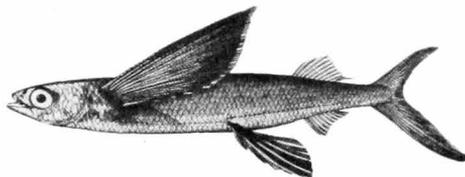
EEL, CONGER
RANGE - FLORIDA TO NEW ENGLAND
GEAR - OTTER TRAWLS



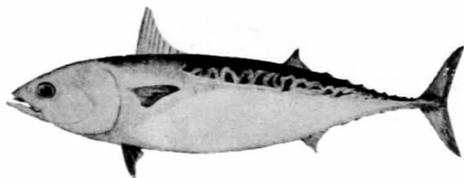
FLUKE
RANGE - TEXAS TO MASSACHUSETTS
GEAR - OTTER TRAWL, SPEARS, LINES



GRAY SOLE
RANGE - MASSACHUSETTS TO MAINE
GEAR - OTTER TRAWLS



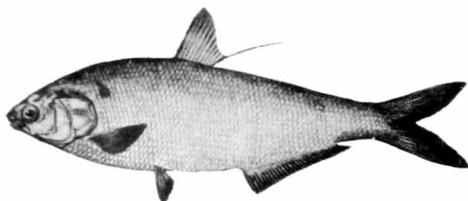
FLYING FISH
RANGE - PACIFIC AND ATLANTIC OCEANS
GEAR - GILL NETS



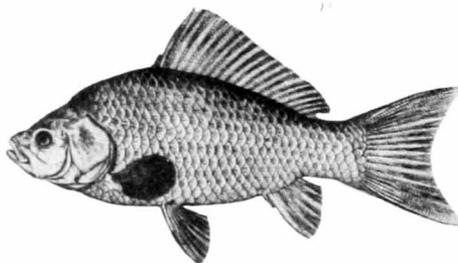
FRIGATE MACKEREL
RANGE - MIDDLE ATLANTIC
GEAR - POUND NETS



GARFISH
RANGE - FRESH-WATER
GEAR - HAUL SEINES, LINES



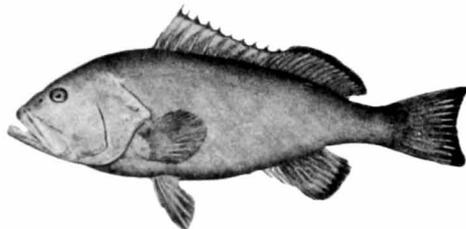
GIZZARD SHAD
RANGE - NORTH CAROLINA TO MARYLAND,
GREAT LAKES
GEAR - HAUL SEINES, POUND NETS, GILL NETS



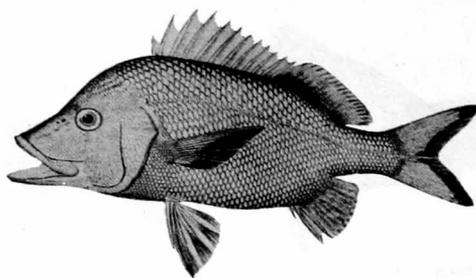
GOLDFISH
RANGE - LAKES AND RIVERS
GEAR - HAUL SEINES, TRAP NETS, FYKE NETS



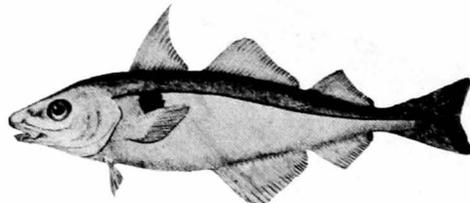
GRAYFISH
RANGE - PACIFIC
GEAR - LONGLINES, OTTER TRAWLS, GILL NETS



GROUPE
RANGE - TEXAS TO SOUTH CAROLINA
GEAR - HANDLINES, POTS



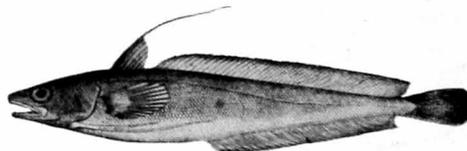
GRUNT
RANGE - FLORIDA
GEAR - POTS, GILL NETS, LINES



HADDOCK
RANGE - NEW ENGLAND STATES
GEAR - OTTER TRAWLS, GILL NETS, LONGLINES



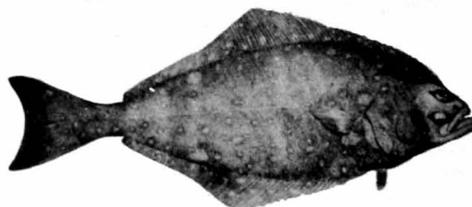
HAKE, RED
RANGE - CHESAPEAKE BAY TO NEW ENGLAND
GEAR - GILL NETS, OTTER TRAWLS, LONGLINES



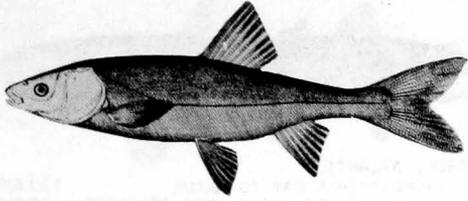
HAKE, WHITE
RANGE - CHESAPEAKE BAY TO NEW ENGLAND
GEAR - GILL NETS, OTTER TRAWLS, LONGLINES



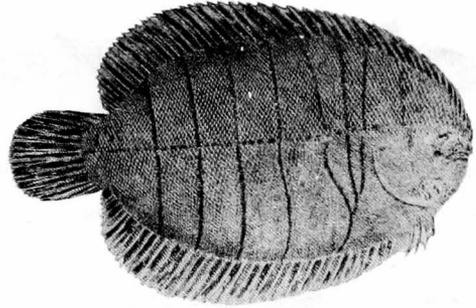
HAKE (PACIFIC)
RANGE - PACIFIC
GEAR - OTTER TRAWLS



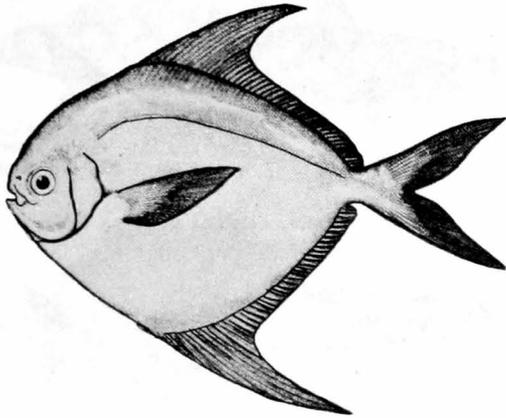
HALIBUT
RANGE - PACIFIC COAST - NEW ENGLAND
GEAR - LONGLINES, OTTER TRAWLS



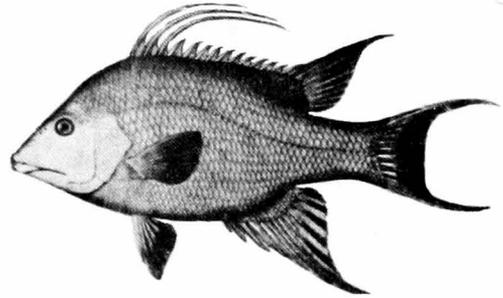
HARDHEAD
RANGE - CALIFORNIA
GEAR - FYKE NETS



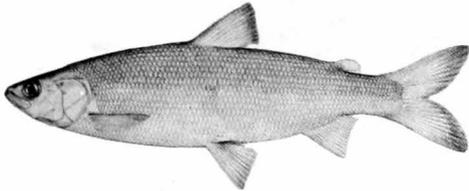
HOGCHOKER
RANGE - CHESAPEAKE BAY
GEAR - POUND NETS, HAUL SEINES



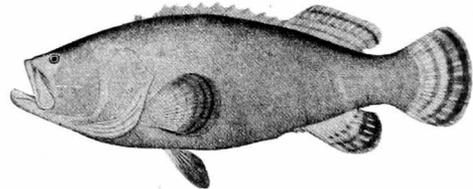
HARVESTFISH OR "STARFISH"
RANGE - NORTH CAROLINA TO CHESAPEAKE BAY
GEAR - HAUL SEINES, POUND NETS



HOGFISH
RANGE - FLORIDA
GEAR - LINES



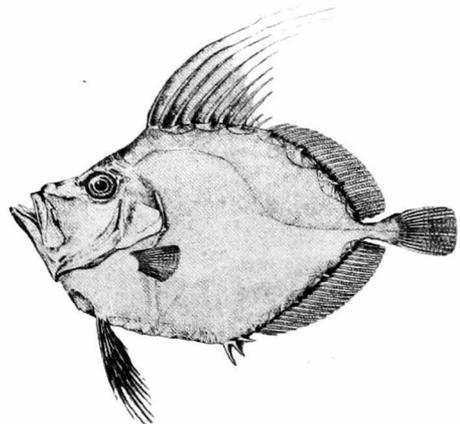
HERRING, LAKE
RANGE - GREAT LAKES
GEAR - GILL NETS, HAUL SEINES, POUND NETS,
TRAP NETS



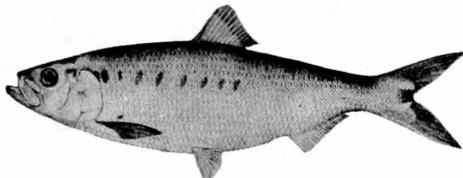
JEW FISH
RANGE - FLORIDA
GEAR - HANDLINES



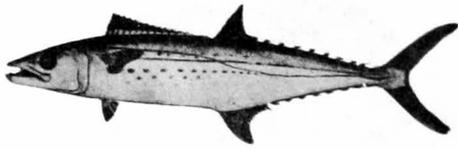
HERRING, SEA
RANGE - NEW JERSEY TO NEW ENGLAND, PACIFIC
COAST STATES AND ALASKA
GEAR - PURSE SEINES, WEIRS, FLOATING TRAPS,
STOP SEINES



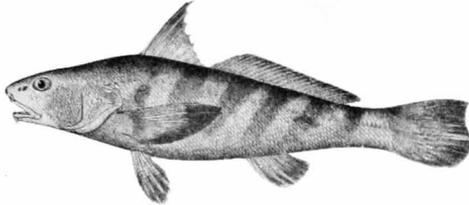
JOHN DORY
RANGE - MIDDLE ATLANTIC STATES
GEAR - OTTER TRAWLS



HICKORY SHAD
RANGE - FLORIDA TO RHODE ISLAND
GEAR - POUND NETS, HAUL SEINES, GILL NETS
FLOATING TRAPS



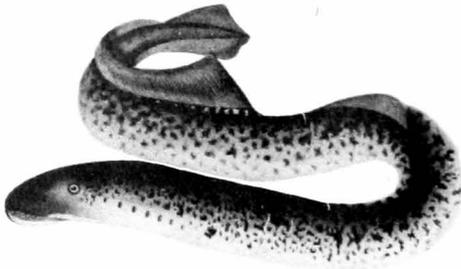
KING MACKEREL
RANGE - TEXAS TO NEW YORK
GEAR - TROLL LINES, GILL NETS, HANDLINES



KING WHITING
RANGE - TEXAS TO MASSACHUSETTS
GEAR - OTTER TRAWLS, HAUL SEINES, POUND NETS



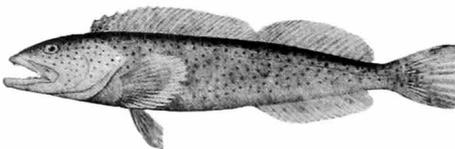
LAKE TROUT
RANGE - GREAT LAKES
GEAR - GILL NETS, LINES, POUND NETS (TRAP NETS)



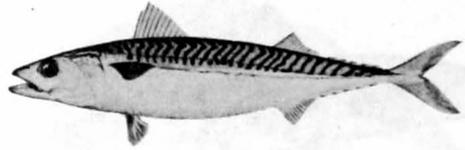
LAMPREY
RANGE - FRESH-WATER
GEAR - POTS, FYKE NETS



LAUNCE
RANGE - NEW ENGLAND
GEAR - HAUL SEINES



LINGCOD
RANGE - CALIFORNIA TO ALASKA
GEAR - OTTER TRAWLS, LONGLINES, HANDLINES



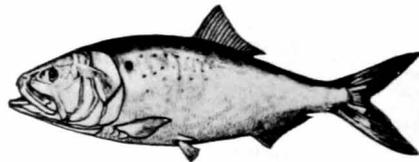
MACKEREL, ATLANTIC
RANGE - CHESAPEAKE BAY TO MAINE
GEAR - PURSE SEINES, GILL NETS, POUND NETS,
FLOATING TRAPS



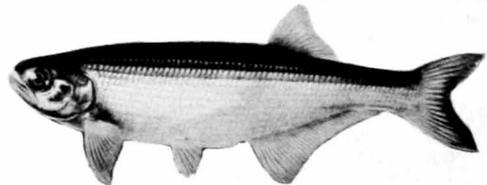
MACKEREL, JACK
RANGE - CALIFORNIA
GEAR - LINES, SEINES, LAMPARA NETS



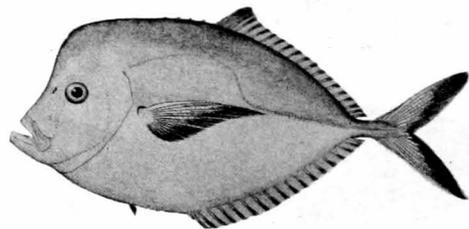
MACKEREL, PACIFIC
RANGE - CALIFORNIA
GEAR - LINES, SEINES, LAMPARA NETS



MENHADEN
RANGE - GULF OF MEXICO TO NEW ENGLAND
GEAR - PURSE SEINES, POUND NETS



MOONEYE
RANGE - GREAT LAKES
GEAR - HAUL SEINES



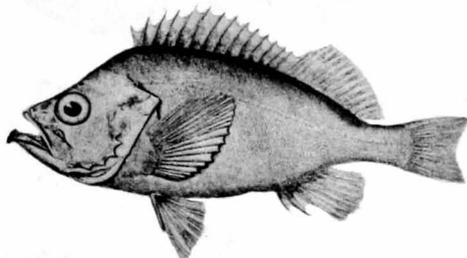
MOONFISH
RANGE - FLORIDA
GEAR - HANDLINES, HAUL SEINES



MULLET
 RANGE - TEXAS TO NEW JERSEY
 GEAR - GILL NETS, HAUL SEINES, POUND NETS,
 CAST NETS



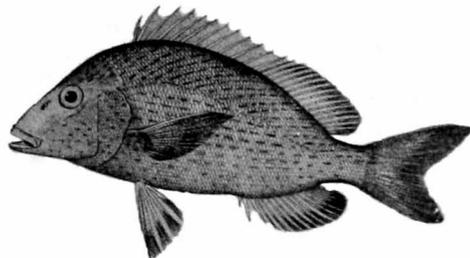
OCEAN POUT
 RANGE - NEW ENGLAND
 GEAR - OTTER TRAWLS



OCEAN PERCH
 RANGE - NEW ENGLAND
 GEAR - OTTER TRAWLS



PADDFISH
 RANGE - GULF OF MEXICO, MISSISSIPPI RIVER
 GEAR - HAUL SEINES, TROT LINES



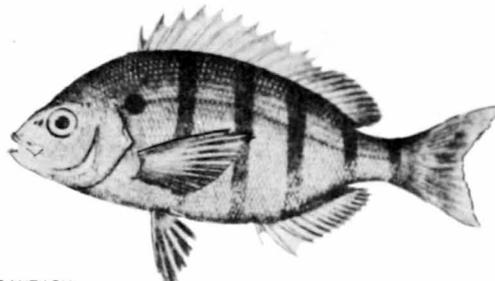
PIGFISH
 RANGE - FLORIDA
 GEAR - POTS, HANDLINES, GILL NETS



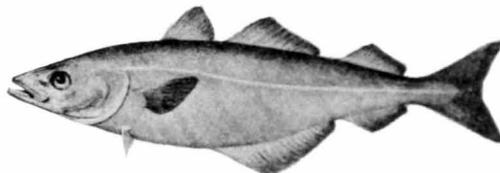
PIKE OR PICKEREL
 RANGE - FRESH-WATER
 GEAR - TRAP NETS, FYKE NETS, GILL NETS,
 POUND NETS, HANDLINES



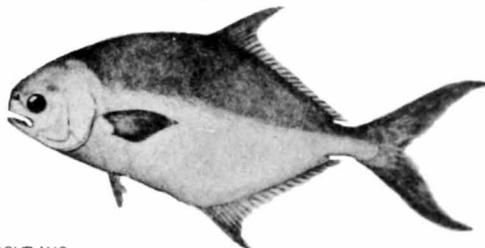
SARDINE, PACIFIC (PILCHARD)
 RANGE - CALIFORNIA TO WASHINGTON
 GEAR - PURSE SEINES, LAMPARA AND RING NETS,
 GILL NETS



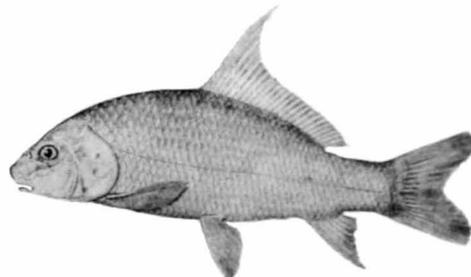
PINFISH
 RANGE - FLORIDA TO NORTH CAROLINA
 GEAR - HAUL SEINES, GILL NETS



POLLOCK
 RANGE - MIDDLE ATLANTIC AND NEW ENGLAND STATES
 GEAR - LONGLINES, FLOATING TRAPS, POUND NETS,
 OTTER TRAWLS, GILL NETS



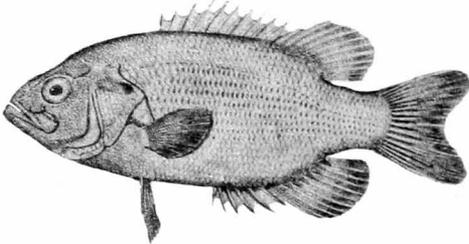
POMPANO
 RANGE - TEXAS TO NORTH CAROLINA
 GEAR - TRAMMEL NETS, HAUL SEINES, GILL NETS,
 HANDLINES



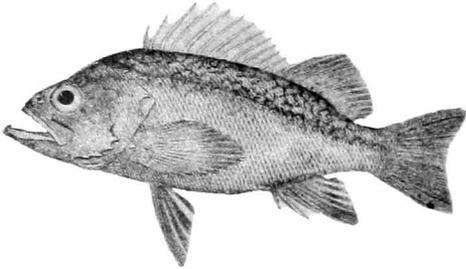
QUILLBACK
 RANGE - FRESH-WATER
 GEAR - HAUL SEINES, TROT LINES, FYKE NETS



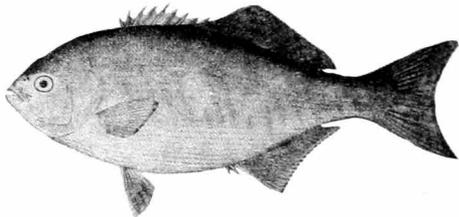
RAT FISH
RANGE - WASHINGTON TO ALASKA
GEAR - BEAM TRAWLS, LONGLINES



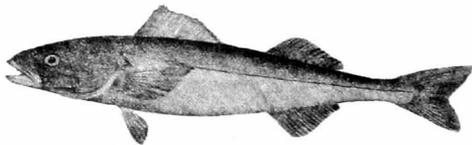
ROCK BASS
RANGE - GREAT LAKES
GEAR - TRAP NETS, FYKE NETS, HAUL SEINES,
GILL NETS



ROCKFISH
RANGE - CALIFORNIA TO ALASKA
GEAR - LINES, OTTER TRAWLS, PARANZELLA NETS,
GILL NETS



RUDDERFISH
RANGE - CALIFORNIA
GEAR - LAMPARA AND RING NETS



SABLEFISH
RANGE - PACIFIC COAST STATES AND ALASKA
GEAR - LONGLINES, OTTER TRAWLS



SALMON, CHINOOK OR KING
RANGE - CALIFORNIA TO ALASKA
GEAR - POUND NETS, PURSE SEINES, GILL NETS,
HAUL SEINES, TROLL LINES, REEF NETS



SALMON, CHUM OR KETA
RANGE - OREGON TO ALASKA
GEAR - POUND NETS, PURSE SEINES, GILL NETS,
HAUL SEINES, REEF NETS



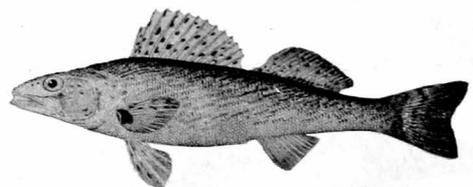
SALMON, PINK
RANGE - WASHINGTON TO ALASKA
GEAR - PURSE SEINES, POUND NETS, GILL NETS,
REEF NETS



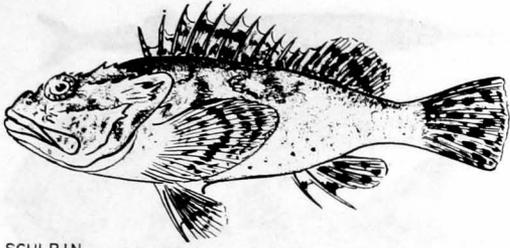
SALMON, RED OR SOCKEYE
RANGE - OREGON TO ALASKA
GEAR - GILL NETS, PURSE SEINES, POUND NETS,
REEF NETS



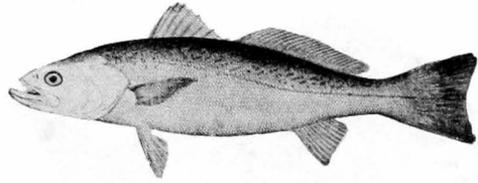
SALMON, SILVER OR COHO
RANGE - CALIFORNIA TO ALASKA
GEAR - HAUL SEINES, PURSE SEINES, GILL NETS,
TROLL LINES, POUND NETS, REEF NETS



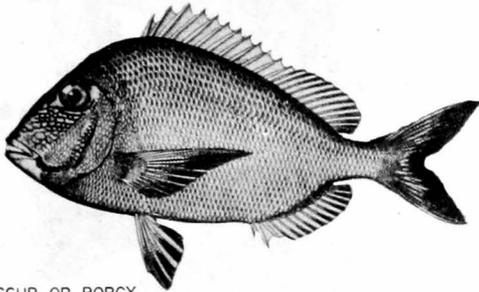
SAUGER
RANGE - GREAT LAKES
GEAR - GILL NETS, HAUL SEINES, TRAP NETS,
FYKE NETS



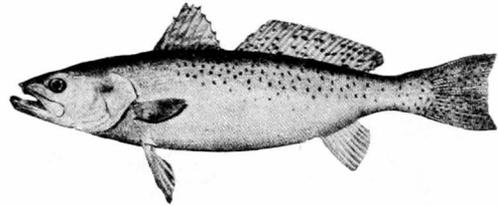
SCULPIN
 RANGE - PACIFIC COAST STATES AND ALASKA
 GEAR - LINES, GILL NETS, POTS



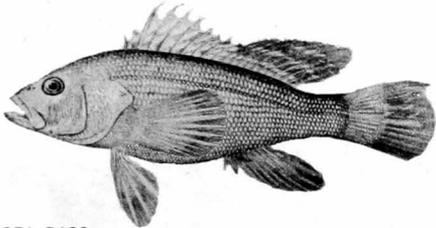
SEA TROUT OR WEAKFISH, GRAY
 RANGE - FLORIDA TO MASSACHUSETTS
 GEAR - OTTER TRAWLS, POUND NETS, PURSE SEINES,
 GILL NETS, HAUL SEINES



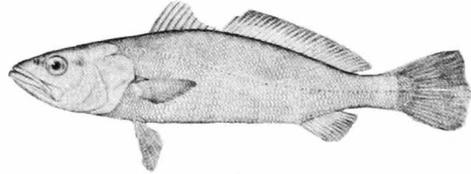
SCUP OR PORGY
 RANGE - FLORIDA TO NEW ENGLAND
 GEAR - OTTER TRAWLS, POUND NETS



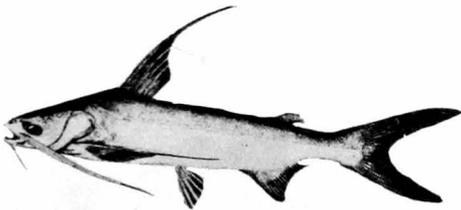
SEA TROUT OR WEAKFISH, SPOTTED
 RANGE - MARYLAND TO TEXAS
 GEAR - GILL NETS, TRAMMEL NETS, HAUL SEINES,
 POUND NETS, OTTER TRAWLS, HANDLINES



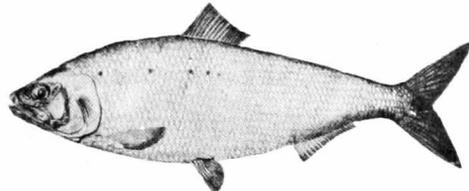
SEA BASS
 RANGE - FLORIDA TO NEW ENGLAND
 GEAR - OTTER TRAWLS, HANDLINES, POTS



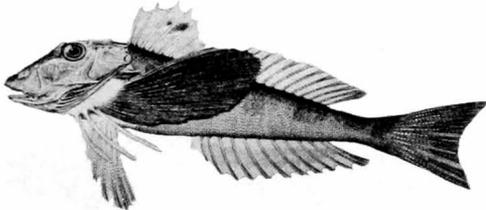
SEA TROUT OR WEAKFISH, WHITE
 RANGE - GULF OF MEXICO
 GEAR - GILL NETS, HAUL SEINES, HANDLINES



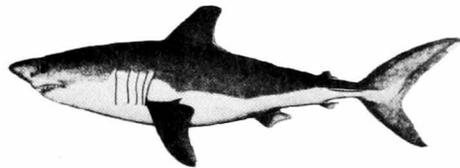
SEA CATFISH
 RANGE - TEXAS TO CHESAPEAKE BAY
 GEAR - OTTER TRAWLS, HAUL SEINES, HANDLINES



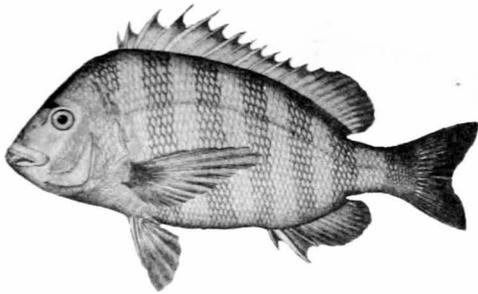
SHAD
 RANGE - FLORIDA TO NEW ENGLAND
 GEAR - GILL NETS, POUND NETS, FYKE NETS,
 HAUL SEINES



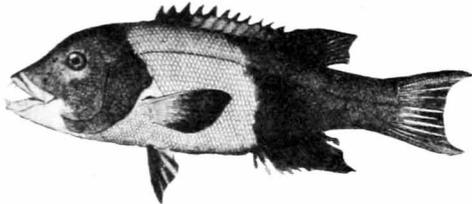
SEA ROBIN
 RANGE - CHESAPEAKE BAY TO NEW ENGLAND
 GEAR - POUND NETS, OTTER TRAWLS



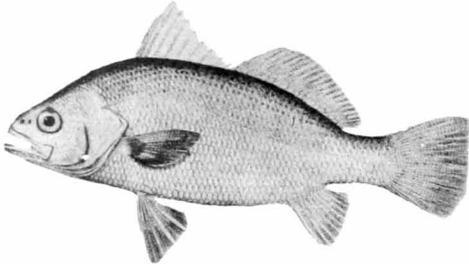
SHARK
 RANGE - ATLANTIC COAST, GULF, PACIFIC COAST STATES
 GEAR - LONGLINES, GILL NETS, OTTER TRAWLS



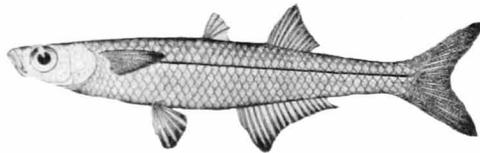
SHEEPSHEAD
RANGE - TEXAS TO CHESAPEAKE BAY
GEAR - HANDLINES, POTS



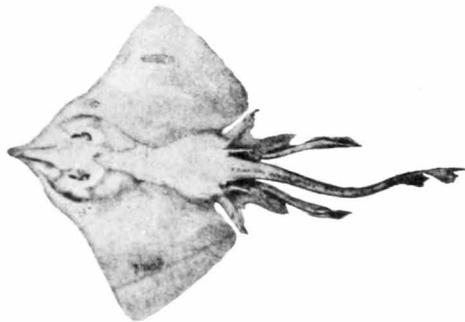
SHEEPSHEAD, CALIFORNIA
RANGE - CALIFORNIA
GEAR - LONGLINES, TRAMMEL NETS



SAND PERCH
RANGE - TEXAS TO NEW YORK
GEAR - HAUL SEINES, GILL NETS, POUND NETS



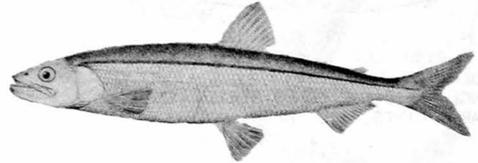
SILVERSIDES
RANGE - NEW YORK
GEAR - HAUL SEINES, OTTER TRAWLS



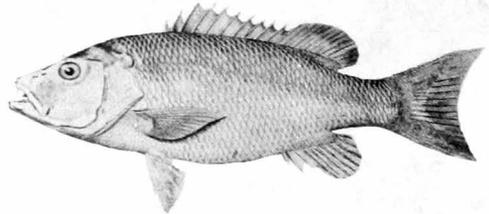
SKATE
RANGE - PACIFIC COAST, CHESAPEAKE BAY TO NEW ENGLAND
GEAR - LINES, OTTER TRAWLS, POUND NETS, HAUL SEINES



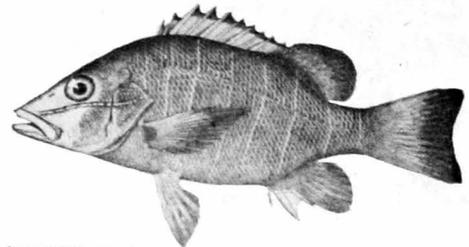
SKIPPER
RANGE - VIRGINIA TO NOVA SCOTIA
GEAR - POUND NETS, WEIRS



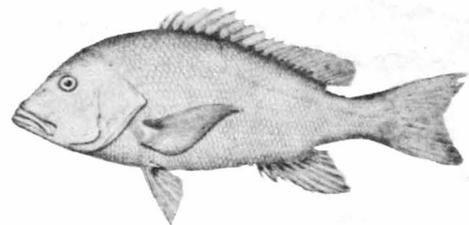
SMELT
RANGE - NEW YORK TO MAINE, PACIFIC OCEAN,
GREAT LAKES
GEAR - POUND NETS, DIP NETS, GILL NETS, HAUL SEINES



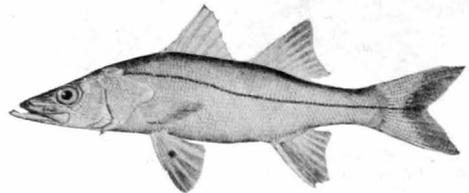
SNAPPER, MANGROVE
RANGE - FLORIDA
GEAR - HANDLINES, GILL NETS



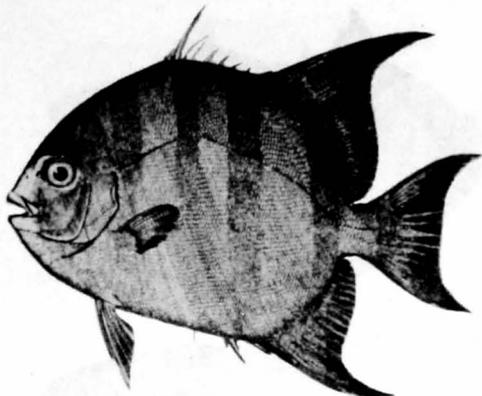
SNAPPER, LANE
RANGE - FLORIDA
GEAR - HANDLINES



SNAPPER, RED
RANGE - TEXAS TO FLORIDA
GEAR - HANDLINES



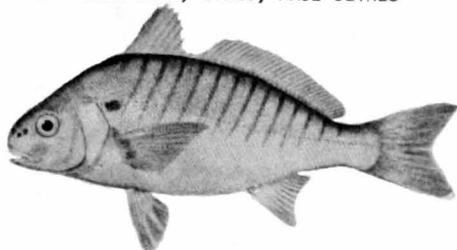
SNOOK
RANGE - TEXAS TO FLORIDA
GEAR - GILL NETS, HANDLINES, HAUL SEINES



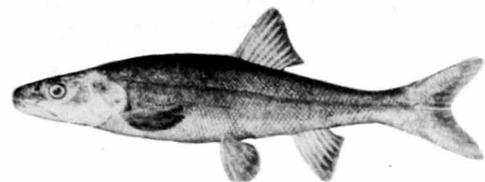
SPADEFISH
RANGE - FLORIDA
GEAR - GILL NETS, TRAMMEL NETS



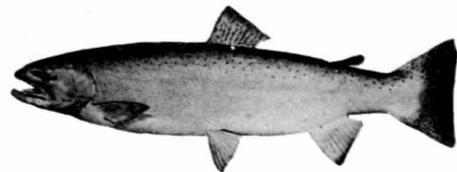
SPANISH MACKEREL
RANGE - TEXAS TO VIRGINIA
GEAR - GILL NETS, LINES, HAUL SEINES



SPOT
RANGE - GULF OF MEXICO TO MIDDLE ATLANTIC STATES
GEAR - HAUL SEINES, GILL NETS, POUND NETS, OTTER TRAWLS



SQUAWFISH
RANGE - CALIFORNIA
GEAR - FYKE NETS, GILL NETS



STEELHEAD TROUT
RANGE - OREGON TO ALASKA
GEAR - HAUL SEINES, POUND NETS, GILL NETS, LINES, DIP NETS



STRIPED BASS
RANGE - NORTH CAROLINA TO NEW ENGLAND, CALIFORNIA TO OREGON
GEAR - HAUL SEINES, GILL NETS, POUND NETS, HANDLINES, FYKE NETS



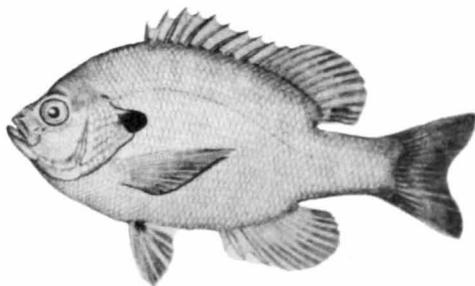
STURGEON
RANGE - COASTAL AND RIVER AREAS
GEAR - GILL NETS, LINES



STURGEON, SHOVELNOSE
RANGE - FRESH-WATER
GEAR - HAUL SEINES, LINES, POUND NETS



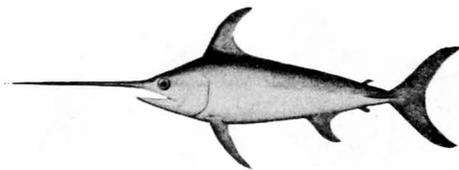
SUCKER
RANGE - FRESH-WATER
GEAR - POUND NETS, FYKE NETS, GILL NETS, HAUL SEINES, TRAP NETS



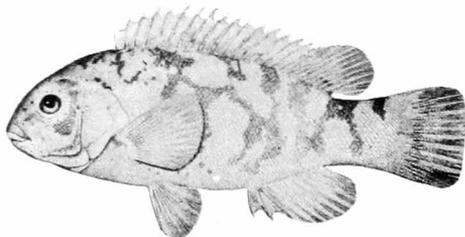
SUNFISH
RANGE - FRESH-WATER
GEAR - POTS, SEINES, TRAP NETS



SWELLFISH
RANGE - CHESAPEAKE BAY TO MIDDLE ATLANTIC
GEAR - POUND NETS, HAUL SEINES, OTTER TRAWLS



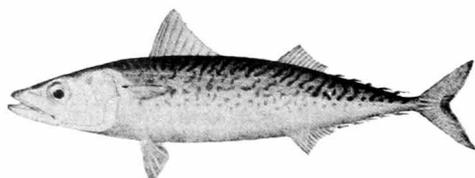
SWORDFISH
RANGE - NEW ENGLAND AND CALIFORNIA
GEAR - HARPOONS



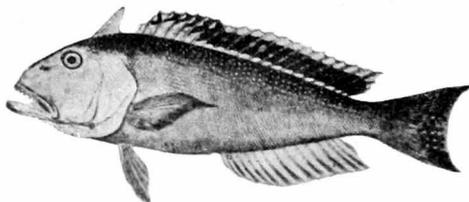
TAUTOG
RANGE - CHESAPEAKE BAY TO NEW ENGLAND
GEAR - POUND NETS, HANDLINES, POTS



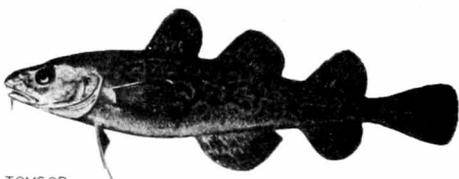
TENPOUNDER
RANGE - FLORIDA
GEAR - HAUL SEINES



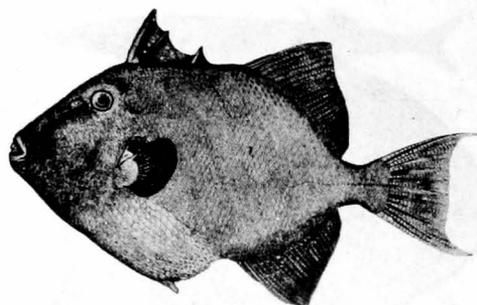
THIMBLE-EYED MACKEREL
RANGE - CHESAPEAKE BAY TO NEW ENGLAND
GEAR - POUND NETS, PURSE SEINES, OTTER TRAWLS



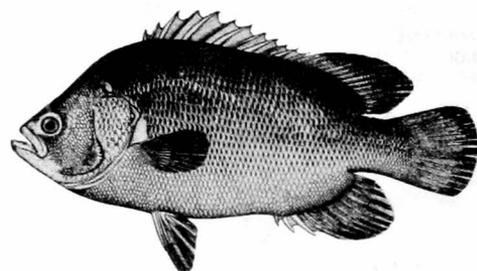
TILEFISH
RANGE - MIDDLE ATLANTIC AND NEW ENGLAND STATES
GEAR - LONGLINES, REEF NETS, OTTER TRAWLS



TOMCOD
RANGE - PACIFIC COAST, MIDDLE ATLANTIC AND
NEW ENGLAND STATES
GEAR - OTTER TRAWLS, DIP NETS



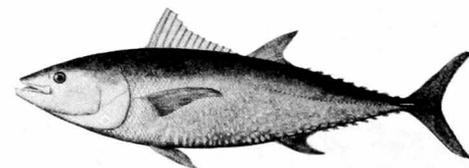
TRIGGERFISH
RANGE - FLORIDA
GEAR - HANDLINES



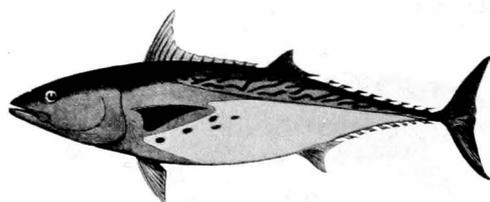
TRIPLETAIL
RANGE - FLORIDA
GEAR - HAUL SEINES, GILL NETS, LINES



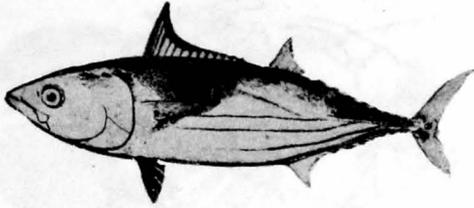
TUNA, ALBACORE
RANGE - PACIFIC COAST
GEAR - LINES



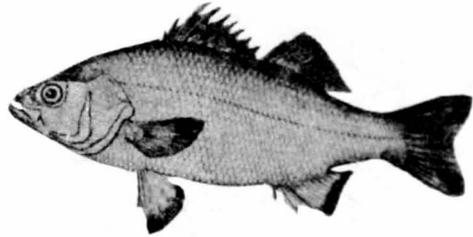
TUNA, BLUEFIN
RANGE - CALIFORNIA, NEW JERSEY TO MAINE
GEAR - PURSE SEINES, LAMPARA NETS, TROLL LINES,
POUND NETS, HARPOONS



TUNA, LITTLE
RANGE - MASSACHUSETTS TO TEXAS
GEAR - POUND NETS, TROLL LINES, OTTER TRAWLS



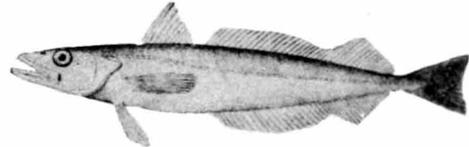
TUNA, SKIPJACK
RANGE - CALIFORNIA
GEAR - LINES AND PURSE SEINES



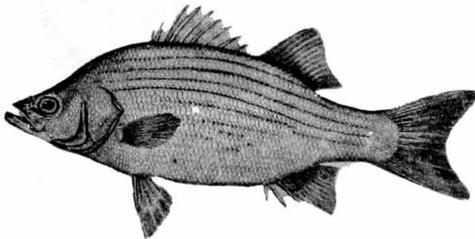
WHITE PERCH
RANGE - NORTH CAROLINA TO MAINE
GEAR - POUND NETS, FYKE NETS, HAUL SEINES



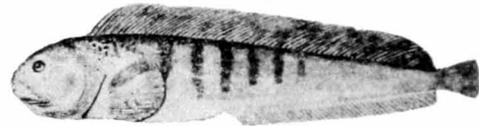
TUNA, YELLOWFIN
RANGE - PACIFIC
GEAR - LINES AND PURSE SEINES



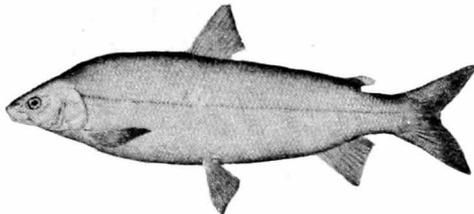
WHITING
RANGE - VIRGINIA TO MAINE
GEAR - OTTER TRAWLS, POUND NETS



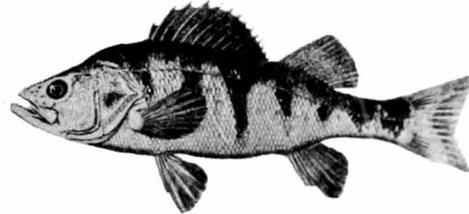
WHITE BASS
RANGE - GREAT LAKES
GEAR - TRAP NETS, FYKE NETS, HAUL SEINES,
POUND NETS



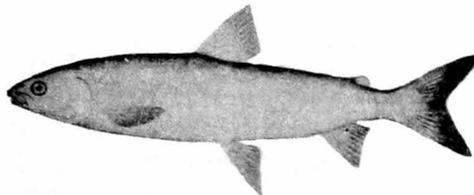
WOLFFISH
RANGE - MASSACHUSETTS AND MAINE
GEAR - OTTER TRAWLS, LONGLINES



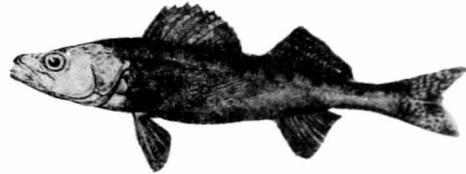
WHITEFISH, COMMON
RANGE - GREAT LAKES
GEAR - GILL NETS, POUND NETS, TRAP NETS



YELLOW PERCH
RANGE - GREAT LAKES, OTHER LAKES
GEAR - GILL NETS, TRAP NETS, POUND NETS,
FYKE NETS

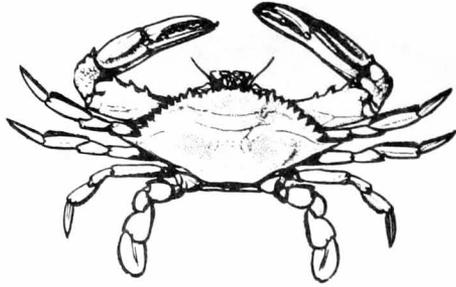


WHITEFISH, MENOMINEE
RANGE - ALASKA, GREAT LAKES
GEAR - GILL NETS, HAUL SEINES, TRAP NETS,
POUND NETS

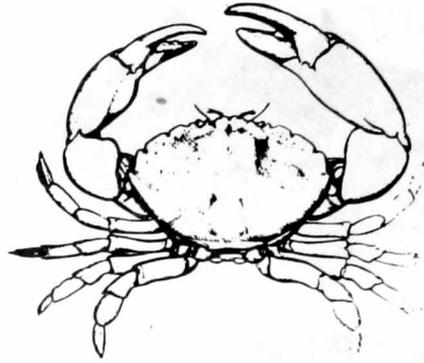


YELLOW PIKE
RANGE - GREAT LAKES
GEAR - POUND NETS, FYKE NETS, GILL NETS,
TRAP NETS

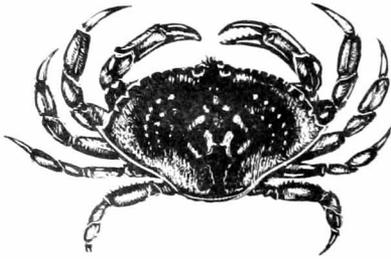
PICTORIAL SECTION



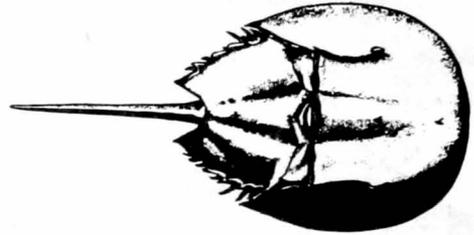
BLUE CRAB
 RANGE - TEXAS TO RHODE ISLAND
 GEAR - TROT LINES, POTS, FYKE NETS, DIP NETS,
 SCRAPES, DREDGES



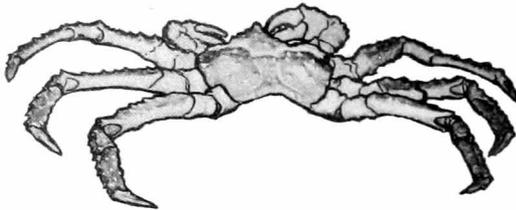
STONE CRAB
 RANGE - FLORIDA
 GEAR - DIP NETS, CRAB POTS



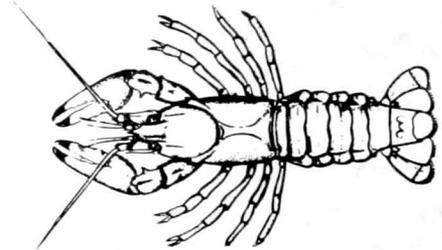
DUNGENESS CRAB
 RANGE - PACIFIC COAST STATES AND ALASKA
 GEAR - TRAPS



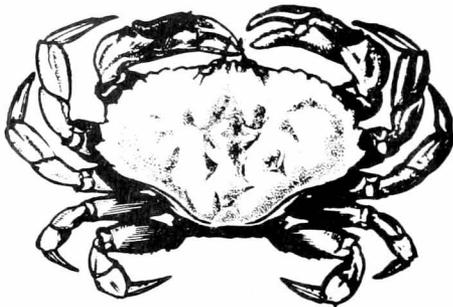
HORSESHOE CRAB
 RANGE - MARYLAND TO NEW YORK
 GEAR - POUND NETS, WEIRS, BY HAND



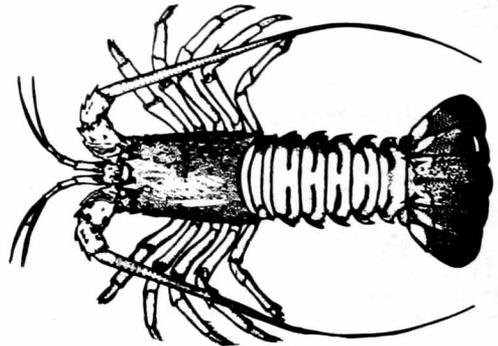
KING CRAB
 RANGE - ALASKA
 GEAR - POTS



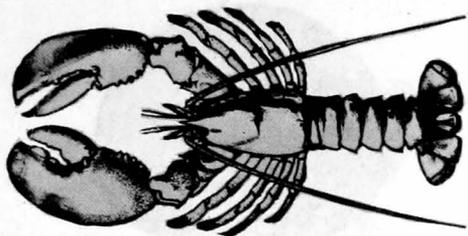
FRESH-WATER CRAWFISH
 RANGE - RIVERS AND LAKES
 GEAR - POTS



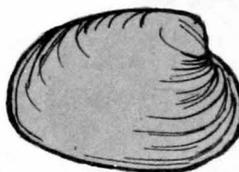
ROCK CRAB
 RANGE - NEW ENGLAND
 GEAR - POTS



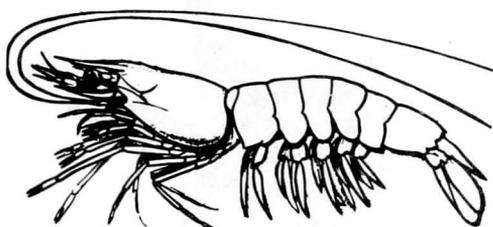
SPINY LOBSTER
 RANGE - CALIFORNIA AND FLORIDA
 GEAR - DIP NETS, POTS, HOOKS



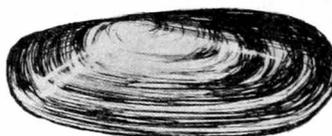
LOBSTER, AMERICAN
 RANGE - VIRGINIA TO MAINE
 GEAR - POTS, OTTER TRAWLS



HARD CLAM
 RANGE - FLORIDA TO MAINE
 GEAR - HOES, DREDGES, TONGS, RAKES, BY HAND



SHRIMP
 RANGE - TEXAS TO NORTH CAROLINA, MAINE,
 CALIFORNIA, WASHINGTON, AND ALASKA
 GEAR - SHRIMP TRAWLS



RAZOR CLAM, PACIFIC
 RANGE - OREGON, WASHINGTON AND ALASKA
 GEAR - SHOVELS



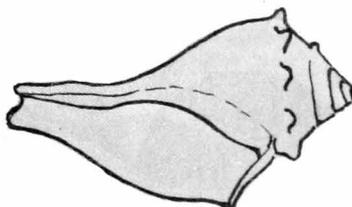
BUTTER CLAM
 RANGE - PACIFIC COAST
 GEAR - SHOVELS



SOFT CLAM
 RANGE - MIDDLE ATLANTIC TO NEW ENGLAND,
 PACIFIC COAST STATES
 GEAR - FORKS, HOES, RAKES, DREDGES



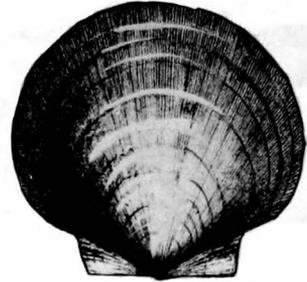
LITTLE NECK CLAM
 RANGE - PACIFIC COAST
 GEAR - SHOVELS



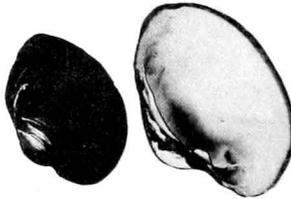
CONCH
 RANGE - FLORIDA TO MAINE
 GEAR - OTTER TRAWLS, DREDGES, POTS, AND BY HAND



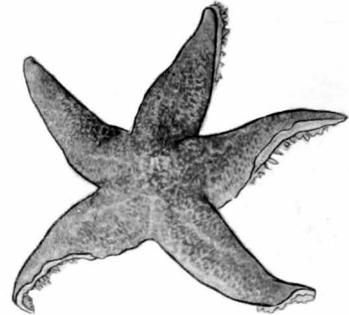
LIMPET
RANGE - NEW YORK AND NEW ENGLAND
GEAR - DREDGES



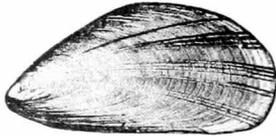
SEA SCALLOP
RANGE - NEW JERSEY TO MAINE
GEAR - DREDGES, OTTER TRAWLS



FRESH-WATER MUSSEL
RANGE - FRESH-WATER STREAMS
GEAR - CROWFOOT BARS, PICKS, HAND



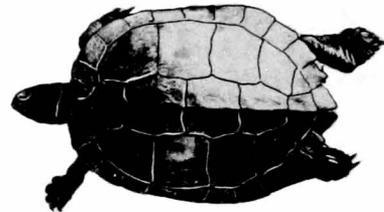
STARFISH
RANGE - ATLANTIC AND PACIFIC COAST
GEAR - HOOKS, SCRAPES, "MOPS"



SEA MUSSEL
RANGE - NORTH CAROLINA TO MAINE
GEAR - DREDGES, TONGS, RAKES, HAND



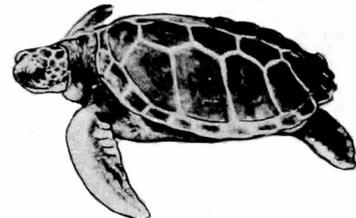
OYSTER
RANGE - TEXAS TO MASSACHUSETTS, PACIFIC COAST
GEAR - TONGS, DREDGES, RAKES, BY HAND



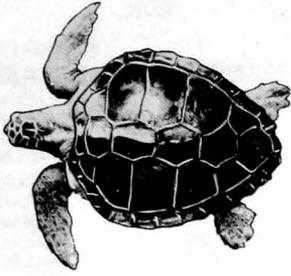
TERRAPIN
RANGE - TEXAS TO NEW JERSEY
GEAR - HAUL SEINES, BY HAND



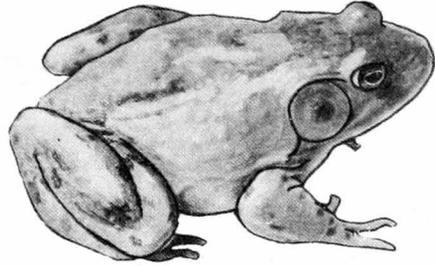
BAY SCALLOP
RANGE - FLORIDA TO MASSACHUSETTS, WASHINGTON
GEAR - DREDGES, SCRAPES, PUSH NETS, TONGS, RAKES
DIP NETS



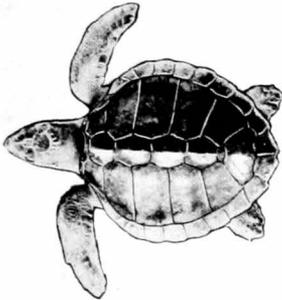
GREEN TURTLE
RANGE - FLORIDA
GEAR - GILL NETS



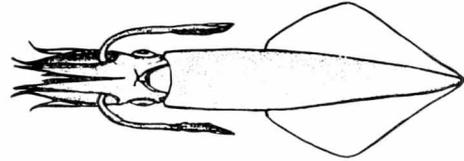
LOGGERHEAD TURTLE
RANGE - FLORIDA TO NEW JERSEY
GEAR - GILL NETS



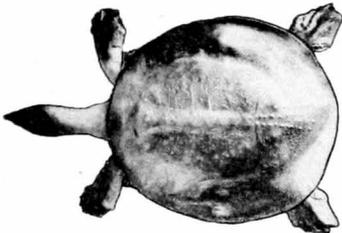
FROG
RANGE - FRESH-WATER, MARSHES, POND
GEAR - SPEARS, GRABS



HAWKSBILL TURTLE
RANGE - GULF OF MEXICO, AND ATLANTIC COAST
TO NEW YORK
GEAR - BY HAND, POUND NETS



SQUID
RANGE - VIRGINIA TO MAINE, CALIFORNIA AND
WASHINGTON
GEAR - LAMPARA NETS, GILL NETS, OTTER TRAWLS,
POUND NETS



SOFT-SHELL TURTLE
RANGE - LAKES AND RIVERS
GEAR - HAUL SEINES, FYKE NETS, POTS



SPONGE
RANGE - FLORIDA
GEAR - HOOKS, DIVING OUTFITS



IRISH MOSS
RANGE - NEW ENGLAND
GEAR - RAKES

SECTION 16

STATISTICAL PUBLICATIONS

THE FOLLOWING LIST OF PUBLICATIONS INCLUDES ALL REPORTS ISSUED IN THE CURRENT FISHERY STATISTICS (C.F.S.) SERIES DURING 1977.

<u>C.F.S. NO.</u>	<u>TITLE</u>	<u>C.F.S. NO.</u>	<u>TITLE</u>
	<u>CATCHES AND LANDINGS:</u>		<u>MAINE LANDINGS:</u>
	<u>NATIONAL SURVEYS:</u>	6909	ANNUAL SUMMARY 1975
7200	FISHERIES OF THE UNITED STATES, 1976	7159	NOVEMBER 1976
		7178	DECEMBER 1976
		7209	ANNUAL SUMMARY 1976
		7197	JANUARY 1977
	<u>REGIONAL SURVEYS:</u>	7250	FEBRUARY 1977
7230	GULF FISHERIES, ANNUAL SUMMARY 1974	7270	MARCH 1977
7229	SOUTH ATLANTIC FISHERIES, ANNUAL SUMMARY 1974	7289	APRIL 1977
7407	CHESAPEAKE FISHERIES, ANNUAL SUMMARY 1975	7308	MAY 1977
7410	GREAT LAKES FISHERIES, ANNUAL SUMMARY 1975	7329	JUNE 1977
7409	GULF FISHERIES, ANNUAL SUMMARY 1975	7350	JULY 1977
7412	HAWAII FISHERIES, ANNUAL SUMMARY 1975	7368	AUGUST 1977
7406	MIDDLE ATLANTIC FISHERIES, ANNUAL SUMMARY 1975	7388	SEPTEMBER 1977
7411	MISSISSIPPI RIVER FISHERIES, ANNUAL SUMMARY 1975	7415	OCTOBER 1977
7405	NEW ENGLAND FISHERIES, ANNUAL SUMMARY 1975		
7408	SOUTH ATLANTIC FISHERIES, ANNUAL SUMMARY 1975		<u>MARYLAND LANDINGS:</u>
		6914	ANNUAL SUMMARY 1975
	<u>STATE SURVEYS:</u>	7164	NOVEMBER 1976
	<u>ALABAMA LANDINGS:</u>	7183	DECEMBER 1976
7151	OCTOBER 1976	7236	JANUARY 1977
7170	NOVEMBER 1976	7255	FEBRUARY 1977
7189	DECEMBER 1976	7275	MARCH 1977
7220	ANNUAL SUMMARY 1976	7294	APRIL 1977
7242	JANUARY 1977	7313	MAY 1977
7261	FEBRUARY 1977	7335	JUNE 1977
7281	MARCH 1977	7354	JULY 1977
7300	APRIL 1977	7373	AUGUST 1977
7320	MAY 1977	7393	SEPTEMBER 1977
7341	JUNE 1977	7420	OCTOBER 1977
7360	JULY 1977		
7378	AUGUST 1977		<u>MASSACHUSETTS LANDINGS:</u>
7399	SEPTEMBER 1977	7160	NOVEMBER 1976
		7179	DECEMBER 1976
	<u>FLORIDA LANDINGS:</u>	7210	ANNUAL SUMMARY 1976
7219	ANNUAL SUMMARY 1975	7198	JANUARY 1977
6976	JANUARY 1976	7251	FEBRUARY 1977
6995	FEBRUARY 1976	7271	MARCH 1977
7015	MARCH 1976	7290	APRIL 1977
7034	APRIL 1976	7309	MAY 1977
7053	MAY 1976	7330	JUNE 1977
7073	JUNE 1976	7350	JULY 1977
7092	JULY 1976	7369	AUGUST 1977
7111	AUGUST 1976	7389	SEPTEMBER 1977
7131	SEPTEMBER 1976	7416	OCTOBER 1977
7150	OCTOBER 1976		
7169	NOVEMBER 1976		<u>MISSISSIPPI LANDINGS:</u>
7188	DECEMBER 1976	6921	ANNUAL SUMMARY 1975
		6895	OCTOBER 1975
	<u>GEORGIA LANDINGS:</u>	6940	NOVEMBER 1975
7168	NOVEMBER 1976	6959	DECEMBER 1975
7187	DECEMBER 1976	7221	ANNUAL SUMMARY 1976
7218	ANNUAL SUMMARY 1976	7243	JANUARY 1977
7240	JANUARY 1977	7262	FEBRUARY 1977
7259	FEBRUARY 1977	7282	MARCH 1977
7279	MARCH 1977	7301	APRIL 1977
7298	APRIL 1977	7321	MAY 1977
7317	MAY 1977	7342	JUNE 1977
7339	JUNE 1977	7361	JULY 1977
7358	JULY 1977	7379	AUGUST 1977
7377	AUGUST 1977	7400	SEPTEMBER 1977
7397	SEPTEMBER 1977	7427	OCTOBER 1977
7424	OCTOBER 1977		
			<u>NEW JERSEY LANDINGS:</u>
	<u>LOUISIANA LANDINGS:</u>	7182	DECEMBER 1976
6922	ANNUAL SUMMARY 1975	7213	ANNUAL SUMMARY 1976
7153	OCTOBER 1976	7235	JANUARY 1977
7172	NOVEMBER 1976	7254	FEBRUARY 1977
7191	DECEMBER 1976	7274	MARCH 1977
7222	ANNUAL SUMMARY 1976	7293	APRIL 1977
7244	JANUARY 1977	7312	MAY 1977
7263	FEBRUARY 1977	7334	JUNE 1977
7283	MARCH 1977	7353	JULY 1977
7302	APRIL 1977	7372	AUGUST 1977
7322	MAY 1977	7392	SEPTEMBER 1977
7343	JUNE 1977	7419	OCTOBER 1977
7362	JULY 1977	7438	NOVEMBER 1977
7380	AUGUST 1977		
7401	SEPTEMBER 1977		

