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**THE RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF FISH AND GAME
FISH BULLETIN 125
The California Marine Fish Catch For 1962**



By
*THE BIOSTATISTICAL SECTION
MARINE RESOURCES OPERATIONS*
1964



FIGURE 1

(2)

FIGURE 1

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FOREWORD

Catch bulletins provide records of California's commercial fisheries and their value to fishermen. They also summarize the marine partyboat anglers' catch.

The report for 1962 is the 22nd in the series. Prior records have been published regularly beginning with those for 1926 and 1927. In recent years, catch bulletins have been published annually instead of biennially.

Records are obtained from each wholesale fish dealer or processor who receives fish from fishermen or who processes fish. Partyboat operators record each trip's catch, and these records are also sent to the Department. Clerical personnel in strategic locations, Eureka, San Francisco, Monterey, Terminal Island, and San Diego, maintain contact with fish dealers and local Fish and Game wardens to insure that our records are accurate and transmitted promptly. All data are edited and subsequently processed by electric accounting machines.

Published figures are of national and international concern, but they are used primarily by fisheries scientists and legislators to manage and regulate California's important fisheries. Chambers of commerce, members of the fishing industry, educators, and others also find these catch statistics of value in meeting their respective needs.

1. EXPLANATION OF TABLES

The tables in this report summarize the recorded 1962 landings of the California commercial fishing fleet, the imports from other states or foreign countries of fresh fish received for processing, and the catches of the partyboat fleet. Fish shipped into California that are utilized in a fresh state are not reported to the Department nor recorded in the tables.

1.1. SOURCE OF DATA

All commercial fish landing and import data are recorded on a sales slip or receipt which is completed by a fish dealer at the time of delivery, and transmitted to the Department. The dealer is required by law to include the following information on the receipt:

- (1) the weight of each species received .
- (2) the price paid to the fisherman .
- (3) the date .
- (4) name of the fisherman .
- (5) Department of Fish and Game registration number of boat
- (6) name of the dealer .
- (7) an indication as to the disposition of the fish (canned, fresh, etc.).

In addition, area of catch and type of gear used by the vessels are reported for most landings.

Receipts of landings prepared by each dealer are sent to the Department twice each month. The documents are edited, and the data punched on cards are summarized with electric accounting machines.

Marine partyboat catch statistics are obtained from records of each fishing trip. The partyboat skipper is required by law to transmit the records to the Department each month.

1.2. STATISTICAL AREAS

California is divided into seven areas for the purpose of reporting fisheries statistics. Each statistical area is named for a major port within its boundaries. Figure 1 shows the boundaries of the areas. Department personnel are responsible for the collection and inventory of landing receipts in each statistical area.

1.3. SPECIES

The species of fish landed or shipped into California are listed in Table 1. Both common and scientific names are given. Some varieties are reported collectively when, for economic or other reasons, dealers do not report a specific separation. One example is the animal food category which consists of a variety of trawl-caught fish. In an attempt to determine the species comprising animal food landings, a sampling program has been conducted by biologists of the Department's Bottom-fish

Investigation. Based on their findings, the estimated weight each species contributed in the 1962 animal food category is:

| <i>Species</i> | <i>Percent</i> | <i>Pounds</i> |
|---------------------|----------------|---------------|
| Rockfish | 31.9 | 599,660 |
| Pacific hake | 16.9 | 317,688 |
| Sablefish | 16.4 | 308,289 |
| Arrowtooth flounder | 8.7 | 163,544 |
| Rex sole | 8.7 | 163,544 |
| Dover sole | 7.8 | 146,625 |
| English sole | 3.0 | 56,394 |
| 45 other species | 6.6 | 124,067 |
| | 100.0 | 1,879,811 |

1.4. CONDITION

Most of the fish and shellfish landed in California are in a round condition; however, some species such as salmon and swordfish are eviscerated or cleaned before landing. The condition of fish landed and shipped into the State cannot always be determined; therefore, the weights summarized in the tables are as reported to the Department without regard to condition.

1.5. CONVERSIONS

Landings reported by units of measure other than pounds are equated to pounds by using appropriate conversion factors. Conversion factors are determined periodically by sampling landings at delivery points. The factors applied to eight species of mollusks and crustaceans during 1962 were:

| | |
|-----------------------|--|
| Abalone, red | 50 pounds per dozen |
| Abalone, pink | 25 pounds per dozen |
| Abalone, green | 35 pounds per dozen |
| Clams, Mexican Pismo | 8 pounds round weight per 1 pound cleaned weight |
| Clams, Washington | 7 pounds per dozen |
| Crab, market | 2 pounds each |
| Oyster, eastern | 30 pounds per 100 oysters |
| Oyster, giant Pacific | 50 pounds per 100 oysters |

1.6. VALUE

The value recorded is computed from prices paid to the fishermen. Values, therefore, reflect the contribution of the fishermen to the total worth of the fisheries. When the price paid for an individual landing is not specified, the average price for the species in the area in which it was landed is used.

2. TABLES

TABLE 1
Common and Scientific Names of Fishes, Crustaceans, and Mollusks in the 1962 Catch

| Common name | Scientific name | Common name | Scientific name |
|------------------------|--|------------------------|------------------------------------|
| FISHES | | | |
| Anchovy | <i>Engraulis mordax</i> | Shark | |
| Barracuda, California | <i>Sphyrna argentea</i> | Brown Smooth- | |
| Bass, rock | | hound | <i>Triakis henlei</i> |
| Kelp bass | <i>Paralabrax clathratus</i> | Leopard | <i>Triakis semifasciata</i> |
| Sand bass | <i>Paralabrax nebulifer</i> | Pacific angel | <i>Squatina californica</i> |
| Bonito, Pacific | <i>Sarda chilensis</i> | Souppin | <i>Gireocheilus zyopterus</i> |
| Cabezon | <i>Scorpaenichthys marmoratus</i> | Spiny dogfish | <i>Squalus acanthias</i> |
| Calappa, spotted | <i>Epinephelus analogus</i> | Thresher | <i>Alopias vulpinus</i> |
| Carp | <i>Cyprinus carpio</i> | Small amounts of | |
| Croaker, white | <i>Genyonemus lineatus</i> | others | |
| Small amounts of | | Sheephead, California | <i>Pinnacometopon pulchrum</i> |
| queenfish | <i>Scorpaenopsis diabolus</i> | Sierra | <i>Scomberomorus sierra</i> |
| Dolphinfish | <i>Coryphaena hippurus</i> | Skate | |
| Flounder | | Big | <i>Raja binoculata</i> |
| Starry flounder | <i>Platichthys stellatus</i> | California | <i>Raja inornata</i> |
| Small amounts of | | Longnose | <i>Raja rhina</i> |
| other flatfishes | | Small amounts of | |
| Flounder, arrowtooth | <i>Atheresthes stomias</i> | others | Rajiformes |
| Flyingfish | <i>Cypselurus</i> spp. | Smelt | |
| Greenling, kelp | <i>Hexagrammos decagrammus</i> | Grunion | <i>Leuresthes tenuis</i> |
| Grouper | <i>Mycteroperca</i> spp. | Jacksmelt | <i>Atherinopsis californiensis</i> |
| Hake, Pacific | <i>Merluccius productus</i> | Surf | <i>Hypomesus pretiosus</i> |
| Halfmoon | <i>Metuladina californiensis</i> | Tanoseel | <i>Atherinops affinis</i> |
| Halibut, California | <i>Paralichthys californicus</i> | Smelt, whitebait | <i>Allosmerus elongatus</i> |
| Halibut, Pacific | <i>Hippoglossus stenolepis</i> | | <i>Spirinchus starksi</i> |
| Hardhead | | | Young of several others |
| Sacramento black- | | Sole | |
| fish | <i>Orthodon microlepidotus</i> | Dover | <i>Microstomus pacificus</i> |
| Hardhead | <i>Mylopharodon conocephalus</i> | English | <i>Parophrys vetulus</i> |
| Herring, Pacific | <i>Clupea pallasii</i> | Petrale | <i>Eopsetta jordani</i> |
| Herring, Pacific Round | <i>Etrumeus acuminatus</i> | Rex | <i>Glyptocephalus zachirus</i> |
| Lingcod | <i>Ophiodon elongatus</i> | Sand | <i>Psettichthys melanostictus</i> |
| Mackerel, jack | <i>Trachurus symmetricus</i> | Small amounts of | |
| Mackerel, Pacific | <i>Scomber diego</i> | others | |
| Opaleye | <i>Girella nigricans</i> | Spittail | <i>Pogonichthys macrolepidotus</i> |
| Perch | Members of family Embiotocidae | Sturgeon | <i>Acipenser</i> spp. |
| Pompano, Pacific | <i>Palometa similima</i> | Swordfish | <i>Xiphias gladius</i> |
| Rockfish | All species of <i>Sebastes</i> and <i>Sebastes</i> | Tomcod, Pacific | <i>Microgadus proximus</i> |
| | <i>tolubus</i> | Tuna | |
| Sablefish | <i>Anoplopoma fimbria</i> | Albacore | <i>Thunnus alalunga</i> |
| Salmon | | Bigeye | <i>Thunnus obesus</i> |
| King | <i>Oncorhynchus tshawytscha</i> | Bluefin | <i>Thunnus thynnus</i> |
| Silver | <i>Oncorhynchus kisutch</i> | Oriental | <i>Thunnus orientalis</i> |
| Sanddab | <i>Citharichthys sordidus</i> | Skipjack | <i>Katsuwonus pelamis</i> |
| Sardine | <i>Sardinops caeruleus</i> | Yellowfin | <i>Thunnus albacares</i> |
| Sculpin | <i>Scorpaena guttata</i> | Turbot | |
| Sea bass, giant | <i>Stereolepis gigas</i> | Curlfin | <i>Pleuronichthys decurrens</i> |
| Sebass, white | <i>Cynoscion nobilis</i> | Diamond | <i>Hypsopsetta guttulata</i> |
| Shad | <i>Alosa sapidissima</i> | Hornyhead | <i>Pleuronichthys verticalis</i> |
| | | Small amounts of | |
| | | others | |
| | | Wahoo | <i>Acanthocybium aolanderi</i> |
| | | Whitefish, ocean | <i>Caualotilus princeps</i> |
| | | Yellowtail, California | <i>Seriola dorsalis</i> |
| CRUSTACEANS | | | |
| Crab, market | <i>Cancer magister</i> | Prawn | <i>Pandalus platyceros</i> |
| Crab, rock | <i>Cancer productus</i> | Shrimp, bay | <i>Crango franciscorum</i> |
| | <i>Cancer antennarius</i> | | <i>Crango nigricauda</i> |
| | <i>Cancer anthonyi</i> | Shrimp, ocean | <i>Pandalus jordani</i> |
| Lobster, spiny | <i>Panulirus interruptus</i> | Small amounts of | |
| | | others | |
| MOLLUSKS | | | |
| Abalone | | Mussel | <i>Mytilus</i> spp. |
| Pink | <i>Haliotis corrugata</i> | Octopus | <i>Paroctopus appollon</i> |
| Red | <i>Haliotis rufescens</i> | Oyster | |
| Green | <i>Haliotis fulgens</i> | Eastern | <i>Crassostrea virginica</i> |
| White | <i>Haliotis sorenseni</i> | Giant Pacific | <i>Crassostrea gigas</i> |
| Clam | | Sea Snail | <i>Polinices</i> spp. |
| Gaper | <i>Tresus nuttalli</i> | | <i>Kelletia kelletii</i> |
| Jackknife | <i>Tapesus californianus</i> | Squid | <i>Loligo opalescens</i> |
| Pismo | <i>Tivela stultorum</i> | | |
| Washington | <i>Saxidomus nuttalli</i> | | |

TABLE 1
Common and Scientific Names of Fishes, Crustaceans, and Mollusks in the 1962 Catch

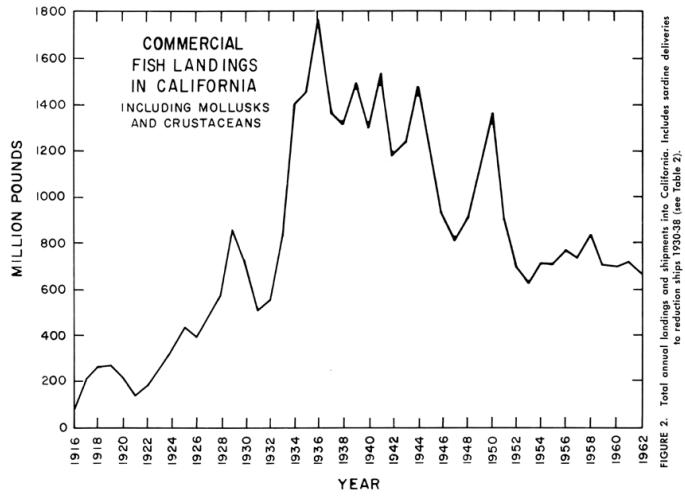


FIGURE 2. Total annual landings and shipments into California. Includes sardine deliveries to reduction ships 1930-38 (see Table 2)

TABLE 2

Total Annual Landings and Shipments Into California of Commercial Fish, Mollusks, and Crustaceans, Includes Sardine Deliveries to Reduction Ships During 1930 Through 1938

| Year | Thousands of pounds | Year | Thousands of pounds |
|------|---------------------|------|---------------------|
| 1916 | 95,003 | 1941 | 1,529,148 |
| 1917 | 209,877 | 1942 | 1,173,414 |
| 1918 | 261,134 | 1943 | 1,234,049 |
| 1919 | 266,270 | 1944 | 1,459,446 |
| 1920 | 222,004 | 1945 | 1,216,467 |
| 1921 | 135,348 | 1946 | 919,850 |
| 1922 | 182,343 | 1947 | 795,499 |
| 1923 | 253,875 | 1948 | 900,540 |
| 1924 | 340,446 | 1949 | 1,135,325 |
| 1925 | 437,502 | 1950 | 1,366,596 |
| 1926 | 394,964 | 1951 | 904,088 |
| 1927 | 487,166 | 1952 | 694,977 |
| 1928 | 583,527 | 1953 | 618,899 |
| 1929 | 856,854 | 1954 | 713,406 |
| 1930 | 702,189 | 1955 | 710,714 |
| 1931 | 502,390 | 1956 | 772,549 |
| 1932 | 556,139 | 1957 | 738,550 |
| 1933 | 821,805 | 1958 | 832,919 |
| 1934 | 1,390,799 | 1959 | 713,491 |
| 1935 | 1,448,017 | 1960 | 694,663 |
| 1936 | 1,764,900 | 1961 | 725,253 |
| 1937 | 1,362,984 | 1962 | 663,107 |
| 1938 | 1,310,596 | | |
| 1939 | 1,486,535 | | |
| 1940 | 1,297,517 | | |

TABLE 2

Total Annual Landings and Shipments Into California of Commercial Fish, Mollusks, and Crustaceans, Includes Sardine Deliveries to Reduction Ships During 1930 Through 1938

TABLE 3

Landings and Shipments of Leading Species Ranked by Pounds

| 1961 | | | | 1962 | | | |
|-----------------------------|------|---------------------|----------------------|-----------------------------|------|---------------------|----------------------|
| Species | Rank | Thousands of pounds | Thousands of dollars | Species | Rank | Thousands of pounds | Thousands of dollars |
| Yellowfin tuna | 1 | 262,310 | \$35,036 | Yellowfin tuna | 1 | 218,149 | \$36,478 |
| Jack mackerel | 2 | 97,606 | 2,029 | Skipjack | 2 | 99,059 | 12,742 |
| Skipjack | 3 | 86,748 | 9,536 | Jack mackerel | 3 | 89,979 | 1,869 |
| Albacore | 4 | 59,414 | 10,310 | Albacore | 4 | 73,354 | 13,261 |
| Pacific mackerel | 5 | 44,110 | 954 | Pacific mackerel | 5 | 48,579 | 1,027 |
| Sardine | 6 | 43,169 | 1,146 | Bluefin tuna | 6 | 32,916 | 4,638 |
| Bluefin tuna | 7 | 22,004 | 2,855 | Sardine | 7 | 15,363 | 490 |
| Market crab | 8 | 11,711 | 1,981 | Giant Pacific oyster | 8 | 11,044 | 302 |
| Rockfish | 9 | 10,831 | 587 | Rockfish | 9 | 9,834 | 574 |
| Squid | 10 | 10,286 | 231 | Squid | 10 | 9,368 | 168 |
| Giant Pacific oyster | 11 | 10,047 | 291 | Dover sole | 11 | 8,581 | 517 |
| Salmon | 12 | 8,992 | 4,927 | Salmon | 12 | 6,884 | 4,195 |
| Pacific bonito | 13 | 8,513 | 218 | English sole | 13 | 4,206 | 303 |
| Dover sole | 14 | 7,827 | 457 | Abalone | 14 | 4,183 | 593 |
| Anchovy | 15 | 7,712 | 110 | Market crab | 15 | 3,223 | 872 |
| Abalone | 16 | 4,554 | 607 | Petrale sole | 16 | 3,041 | 362 |
| Miscellaneous (animal food) | 17 | 3,777 | 75 | Anchovy | 17 | 2,764 | 50 |
| English sole | 18 | 3,646 | 261 | Pacific bonito | 18 | 2,150 | 63 |
| Petrale sole | 19 | 3,391 | 389 | Sablefish | 19 | 2,150 | 140 |
| Sablefish | 20 | 2,030 | 176 | Miscellaneous (animal food) | 20 | 1,880 | 37 |
| All others | -- | 16,575 | 2,038 | All others | -- | 16,400 | 2,242 |
| Totals | -- | 725,253 | \$74,214 | Totals | -- | 663,107 | \$80,923 |

TABLE 3

Landings and Shipments of Leading Species Ranked by Pounds

TABLE 4
Number of Licensed Commercial Fishermen

| Area of residence | License year* | |
|--|---------------|--------------|
| | 1961-1962 | 1962-1963 |
| Eureka | 1,321 | 1,211 |
| Sacramento | 128 | 151 |
| San Francisco | 1,229 | 1,198 |
| Monterey | 696 | 651 |
| Santa Barbara | 627 | 706 |
| Los Angeles | 2,287 | 2,332 |
| San Diego | 1,589 | 1,800 |
| Alaska, Washington and Oregon fishermen licensed in California | 500 | 465 |
| Mexican nationals licensed in California | 43 | 70 |
| Other | 14 | 16 |
| Totals | 8,434 | 8,600 |

* April 1 to March 31.

TABLE 4
Number of Licensed Commercial Fishermen

TABLE 5
Number of Registered Fishing Boats by Length

| License year* | Up to 24 feet | 25 to 39 feet | 40 to 64 feet | 65 to 84 feet | 85 to 99 feet | 100 feet and over | Total |
|-----------------|---------------|---------------|---------------|---------------|---------------|-------------------|--------|
| 1961-1962 | 830 | 1,725 | 1,048 | 123 | 44 | 102 | 3,872† |
| 1962-1963 | 845 | 1,729 | 1,032 | 108 | 37 | 103 | 3,854‡ |

* April 1 to March 31.

† The owners of 544 boats were issued fishing party licenses in 1961-62.

‡ The owners of 523 boats were issued fishing party licenses in 1962-63.

TABLE 5
Number of Registered Fishing Boats by Length

TABLE 6
Origin of Shipments of Fresh Fish Into California During 1962

| Shipped from: Species | Pounds shipped to each area | | | | | Total pounds |
|---|-----------------------------|-------------------|---------------|-------------------|-------------------|--------------------|
| | Eureka | San Francisco | Monterey | Los Angeles | San Diego | |
| Continental United States: | | | | | | |
| Tuna, bluefin..... | ---- | ---- | ---- | 465,877 | ---- | 465,877 |
| Tuna, skipjack..... | ---- | ---- | ---- | 511,912 | ---- | 511,912 |
| Tuna, yellowfin..... | ---- | 26,350 | ---- | 9,398 | ---- | 35,748 |
| Miscellaneous..... | ---- | ---- | ---- | 100,980 | ---- | 100,980 |
| Oregon, Washington, Canada and Alaska: | | | | | | |
| Sablefish..... | ---- | ---- | ---- | 74,449 | ---- | 74,449 |
| Salmon..... | 3,350 | ---- | ---- | 176,354 | ---- | 179,704 |
| Shad..... | ---- | ---- | ---- | 40,114 | ---- | 40,114 |
| Smelt..... | ---- | ---- | 12,240 | ---- | ---- | 12,240 |
| Sturgeon..... | ---- | ---- | ---- | 6,692 | ---- | 6,692 |
| Miscellaneous..... | ---- | ---- | ---- | 72,687 | ---- | 72,687 |
| Mexico and Central America: | | | | | | |
| Bonito, Pacific..... | ---- | ---- | ---- | ---- | 15,000 | 15,000 |
| Shark..... | ---- | ---- | ---- | 8,093 | ---- | 8,093 |
| Tuna, albacore..... | ---- | ---- | ---- | 962,686 | 60,547 | 1,023,233 |
| Tuna, bluefin..... | ---- | ---- | ---- | 646,504 | ---- | 646,504 |
| Tuna, skipjack..... | ---- | ---- | ---- | 1,341,500 | ---- | 1,341,500 |
| Tuna, yellowfin..... | ---- | ---- | ---- | 2,613,916 | ---- | 2,613,916 |
| Yellowtail, California..... | ---- | ---- | ---- | ---- | 9,059 | 9,059 |
| Mollusk: | | | | | | |
| Clam, Pismo..... | ---- | ---- | ---- | 464,283 | ---- | 464,280 |
| South America: | | | | | | |
| Tuna, albacore..... | ---- | 9,182 | ---- | 38,936 | ---- | 48,118 |
| Tuna, bigeye..... | ---- | 6,820 | ---- | ---- | ---- | 6,820 |
| Tuna, bluefin..... | ---- | ---- | ---- | ---- | 4,000 | 4,000 |
| Tuna, skipjack..... | ---- | ---- | ---- | 1,550 | 3,728,472 | 3,730,022 |
| Tuna, yellowfin..... | ---- | 304,448 | ---- | 1,025,363 | 8,066,265 | 9,396,076 |
| New Hebrides: | | | | | | |
| Tuna, albacore..... | ---- | 784,880 | ---- | 1,020,313 | ---- | 1,805,193 |
| Tuna, bigeye..... | ---- | 9,050 | ---- | ---- | ---- | 9,050 |
| Tuna, yellowfin..... | ---- | 354,780 | ---- | 167,601 | ---- | 522,381 |
| Japan: | | | | | | |
| Sablefish..... | ---- | ---- | ---- | 60,000 | ---- | 60,000 |
| Salmon..... | ---- | ---- | ---- | 31,381 | ---- | 31,381 |
| Tuna, albacore..... | ---- | 3,096,791 | ---- | 25,831,575 | 1,664,096 | 30,562,462 |
| Tuna, bigeye..... | ---- | 634,967 | ---- | 593,051 | ---- | 1,338,018 |
| Tuna, oriental..... | ---- | 194,000 | ---- | 10,297 | ---- | 204,297 |
| Tuna, skipjack..... | ---- | 412,214 | ---- | 341,360 | ---- | 753,574 |
| Tuna, yellowfin..... | ---- | 19,362,345 | ---- | 58,104,983 | 1,056,344 | 78,523,672 |
| Australia: | | | | | | |
| Shark..... | ---- | ---- | ---- | 2,536 | ---- | 2,536 |
| Tuna, bluefin..... | ---- | 500,040 | ---- | 99,060 | ---- | 599,100 |
| China (Formosa): | | | | | | |
| Tuna, bigeye..... | ---- | 45,435 | ---- | ---- | ---- | 45,435 |
| Tuna, yellowfin..... | ---- | 550,415 | ---- | ---- | ---- | 550,415 |
| Malaya: | | | | | | |
| Tuna, albacore..... | ---- | 22,124 | ---- | ---- | ---- | 22,124 |
| Tuna, bigeye..... | ---- | 174,752 | ---- | ---- | ---- | 174,752 |
| Tuna, yellowfin..... | ---- | 426,307 | ---- | ---- | ---- | 426,307 |
| Africa: | | | | | | |
| Tuna, albacore..... | ---- | 22,654 | ---- | 3,247,970 | ---- | 3,270,624 |
| Tuna, bigeye..... | ---- | 97,967 | ---- | ---- | ---- | 97,967 |
| Tuna, skipjack..... | ---- | ---- | ---- | 1,425 | ---- | 1,425 |
| Tuna, yellowfin..... | ---- | 334,008 | ---- | 1,725,632 | ---- | 2,059,640 |
| Total pounds..... | 3,350 | 27,339,529 | 12,240 | 99,708,475 | 14,603,783 | 141,667,377 |

TABLE 6
Origin of Shipments of Fresh Fish Into California During 1962

TABLE 7
Origin of Commercial Fish Landings and Volume of Shipments Into California During 1962

| Species | Landings of catches from | | | Shipments* | Grand total |
|------------------------|--------------------------|-----------------------|-----------------------|-------------|-------------|
| | California waters | Waters north of State | Waters south of State |  |  | Total pounds |
| Fish: | | | | | |
| Ancovy | 2,764,003 | ---- | ---- | 2,764,003 | 2,764,003 |
| Barracuda, California | 521,769 | ---- | 224,707 | 746,476 | 746,476 |
| Bass, rock | ---- | ---- | 1,470 | 1,470 | 1,470 |
| Bonito, Pacific | 2,071,998 | ---- | 62,904 | 2,134,902 | 2,149,902 |
| Cabezon | 2,474 | ---- | ---- | 2,474 | 2,474 |
| Cabrilla, spotted | ---- | ---- | 28,858 | 28,858 | 28,858 |
| Carp | 220,972 | ---- | ---- | 220,972 | 220,972 |
| Croaker, white | 687,633 | ---- | ---- | 687,633 | 687,633 |
| Dolphinfish | 33 | ---- | 212 | 245 | 245 |
| Flounder | 333,883 | 4,309 | ---- | 338,192 | 338,192 |
| Flounder, arrowtooth | 53,003 | 323 | ---- | 53,326 | 53,326 |
| Flyingfish | 14,364 | ---- | ---- | 14,364 | 14,364 |
| Greenling, kelp | 581 | ---- | ---- | 581 | 581 |
| Grouper | ---- | ---- | 311,091 | 311,091 | 311,091 |
| Hake, Pacific | 76,355 | 2,175 | ---- | 78,530 | 78,530 |
| Halfmoon | 8,536 | ---- | ---- | 8,536 | 8,536 |
| Halibut, California | 776,077 | ---- | 87,009 | 863,086 | 863,086 |
| Halibut, Pacific | 3,546 | ---- | ---- | 3,546 | 3,546 |
| Hardhead | 128,230 | ---- | ---- | 128,230 | 128,230 |
| Herring, Pacific | 1,305,569 | ---- | ---- | 1,305,569 | 1,305,569 |
| Herring, Pacific round | 4,250 | ---- | ---- | 4,250 | 4,250 |
| Lingcod | 1,048,818 | 62,995 | 391 | 1,112,204 | 1,112,204 |
| Mackerel, jack | 89,978,933 | ---- | ---- | 89,978,933 | 89,978,933 |
| Mackerel, Pacific | 48,578,820 | ---- | 429 | 48,578,820 | 48,578,820 |
| Opaleye | 1,674 | ---- | ---- | 1,674 | 1,674 |
| Perch | 164,873 | ---- | 242 | 165,115 | 165,115 |
| Pompano, Pacific | 35,990 | ---- | ---- | 35,990 | 35,990 |
| Rockfish | 9,181,683 | 211,411 | 441,299 | 9,834,393 | 9,834,393 |
| Sablefish | 1,948,538 | 66,699 | ---- | 2,015,237 | 2,149,686 |
| Salmon | 6,672,717 | 144 | ---- | 6,672,861 | 6,883,946 |
| Sanddab | 676,011 | 3,900 | ---- | 679,911 | 679,911 |
| Sardine | 15,363,952 | ---- | 59,000 | 15,362,952 | 15,362,952 |
| Sculpin | 57,707 | ---- | 244 | 57,951 | 57,951 |
| Sea bass, giant | 8,188 | ---- | 438,021 | 446,209 | 446,209 |
| Seabass, white | 208,867 | ---- | 365,541 | 574,408 | 574,408 |
| Shad | ---- | ---- | ---- | 40,114 | 40,114 |
| Shark | 723,472 | ---- | 29,705 | 753,177 | 763,806 |
| Sheephead, California | 15,341 | ---- | 4,986 | 20,327 | 20,327 |
| Sierra | ---- | ---- | 95 | 95 | 95 |
| Skate | 182,127 | ---- | 51 | 182,178 | 182,178 |
| Smelt | 339,498 | ---- | ---- | 339,498 | 351,738 |
| Smelt, whitebait | 188,357 | ---- | ---- | 188,357 | 188,357 |
| Sole, Dover | 7,510,185 | 1,070,906 | ---- | 8,581,091 | 8,581,091 |
| Sole, English | 4,121,309 | 84,739 | ---- | 4,206,048 | 4,206,048 |
| Sole, petrale | 2,867,322 | 173,842 | ---- | 3,041,164 | 3,041,164 |
| Sole, rex | 1,381,079 | 27,166 | ---- | 1,408,245 | 1,408,245 |
| Sole, sand | 193,944 | 2,621 | ---- | 196,565 | 196,565 |
| Sole, miscellaneous | 68,444 | ---- | ---- | 68,444 | 68,444 |
| Splittail | 1,580 | ---- | ---- | 1,580 | 1,580 |
| Sturgeon | ---- | ---- | ---- | 6,692 | 6,692 |
| Swordfish | 31,043 | ---- | 8,014 | 39,057 | 39,057 |
| Tomecod, Pacific | 375 | ---- | ---- | 375 | 375 |
| Tuna, albacore | 32,046,366 | ---- | 4,576,009 | 36,622,375 | 73,354,129 |
| Tuna, bigeye | ---- | ---- | ---- | 1,472,042 | 1,472,042 |
| Tuna, bluefin | 17,039,651 | ---- | 14,160,300 | 31,199,951 | 32,915,432 |
| Tuna, oriental | ---- | ---- | ---- | 204,297 | 204,297 |
| Tuna, skipjack | ---- | ---- | 92,721,036 | 6,338,433 | 99,059,469 |
| Tuna, yellowfin | 40 | ---- | 124,020,715 | 124,020,755 | 218,148,910 |
| Turbot | 80,123 | 260 | ---- | 80,383 | 80,383 |
| Wahoo | ---- | ---- | 23,508 | 23,508 | 23,508 |

TABLE 7
Origin of Commercial Fish Landings and Volume of Shipments Into California During 1962

TABLE 7—Continued
Origin of Commercial Fish Landings and Volume of Shipments Into California During 1962

| Species | Landings of catches from | | | | Shipments* | Grand total |
|----------------------------------|--------------------------|-----------------------|-----------------------|--------------------|--------------------|--------------------|
| | California waters | Waters north of State | Waters south of State | Total pounds | | |
| Fish:—Continued | | | | | | |
| Whitefish, ocean..... | 2,320 | ---- | 9,682 | 12,002 | ---- | 12,002 |
| Yellowtail, California..... | 37,066 | ---- | 151,355 | 188,421 | 9,059 | 197,480 |
| Miscellaneous..... | 4,163 | ---- | 69 | 4,532 | 173,667 | 178,199 |
| Miscellaneous (animal food)..... | 1,787,533 | 92,278 | ---- | 1,879,811 | ---- | 1,879,811 |
| Crustacean: | | | | | | |
| Crab, market..... | 3,222,580 | ---- | ---- | 3,222,580 | ---- | 3,222,580 |
| Crab, rock..... | 200,304 | ---- | ---- | 200,304 | ---- | 200,304 |
| Lobster, spiny..... | 515,816 | ---- | 1,206 | 517,022 | ---- | 517,022 |
| Prawn..... | 694 | ---- | ---- | 694 | ---- | 694 |
| Shrimp, bay..... | 1,075 | ---- | ---- | 1,075 | ---- | 1,075 |
| Shrimp, ocean..... | 1,782,955 | ---- | ---- | 1,782,955 | ---- | 1,782,955 |
| Shrimp, unclassified..... | 2,624 | ---- | ---- | 2,624 | ---- | 2,624 |
| Mollusk: | | | | | | |
| Abalone..... | 4,183,181 | ---- | ---- | 4,183,181 | ---- | 4,183,181 |
| Clam, gaper..... | 480 | ---- | ---- | 480 | ---- | 480 |
| Clam, jackknife..... | 4,458 | ---- | ---- | 4,458 | ---- | 4,458 |
| Clam, Pismo..... | ---- | ---- | ---- | ---- | 464,280 | 464,280 |
| Clam, Washington..... | 3,185 | ---- | ---- | 3,185 | ---- | 3,185 |
| Clam, unclassified..... | 270 | ---- | ---- | 270 | ---- | 270 |
| Mussel..... | 7,613 | ---- | ---- | 7,613 | ---- | 7,613 |
| Octopus..... | 13,236 | ---- | ---- | 13,236 | ---- | 13,236 |
| Oyster, eastern..... | 95,100 | ---- | ---- | 95,100 | ---- | 95,100 |
| Oyster, giant Pacific..... | 11,043,732 | ---- | ---- | 11,043,732 | ---- | 11,043,732 |
| Sea snail..... | 605 | ---- | ---- | 605 | ---- | 605 |
| Squid..... | 9,368,149 | ---- | ---- | 9,368,149 | ---- | 9,368,149 |
| Total pounds..... | 281,907,313 | 1,803,768 | 237,728,149 | 521,439,230 | 141,667,377 | 663,106,607 |

* For origin of shipments refer to Table 6.

TABLE 7
Origin of Commercial Fish Landings and Volume of Shipments Into California During 1962

TABLE 8
Monthly Landings and Shipments Into California During 1962

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|------------------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|-----------|--------------|
| LANDINGS: | | | | | | | | | | | | | |
| Fish: | | | | | | | | | | | | | |
| Anchovy | 367,200 | 103,845 | 186,831 | 157,871 | 163,015 | 433,675 | 247,278 | 145,669 | 305,871 | 438,960 | 125,076 | 88,709 | 2,764,003 |
| Barracuda, California | 89,018 | 40,270 | 117,649 | 51,426 | 113,030 | 121,775 | 44,036 | 5,378 | 15,352 | 32,967 | 84,810 | 25,884 | 746,476 |
| Bas, rock | 930 | 930 | ..... | 540 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1,470 |
| Bonito, Pacific | 210,394 | 132,054 | 40,145 | 41,887 | 39,061 | 26,146 | 108,261 | 243,562 | 41,979 | 222,475 | 322,275 | 703,419 | 2,134,002 |
| Cabezon | 359 | 158 | ..... | ..... | 22 | ..... | 45 | 387 | 451 | 653 | 30 | ..... | 2,474 |
| Calappa, spotted | 16,559 | 229 | ..... | 1,807 | ..... | ..... | ..... | ..... | ..... | ..... | 1,730 | ..... | 28,858 |
| Carp | 9,831 | 26,872 | 22,248 | 11,025 | 21,992 | 22,653 | 14,818 | 11,429 | 17,458 | 18,300 | 23,569 | 15,723 | 239,972 |
| Craker, white | 30,293 | 26,668 | 33,388 | 39,844 | 204,315 | 33,847 | 90,313 | 45,094 | 88,704 | 30,905 | 50,233 | 12,029 | 687,633 |
| Dolphinfish | ..... | 212 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 245 |
| Flounder | 46,955 | 61,188 | 33,691 | 6,147 | 18,208 | 16,426 | 21,453 | 42,923 | 55,096 | 19,481 | 9,292 | 7,532 | 338,192 |
| Flounder, arrowtooth | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Flycatcher | 388 | 802 | 3,912 | 8,932 | 11,939 | 7,166 | 10,721 | 7,100 | 1,514 | 748 | 104 | ..... | 53,326 |
| Flyingfish | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 14,384 |
| Greenling, kelp | 155 | ..... | ..... | 30 | 98 | 288 | 8,070 | 49 | ..... | ..... | ..... | ..... | 881 |
| Grouper | 29,926 | 44,308 | 14,209 | 739 | 10,149 | 3,081 | 10,400 | 4,355 | ..... | 29,423 | 73,043 | 90,576 | 311,091 |
| Hake, Pacific | ..... | ..... | 2,173 | ..... | 18,033 | 27,575 | 28,780 | 645 | 1,320 | ..... | ..... | ..... | 78,530 |
| Halmos | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Hallbut, California | 76,469 | 65,145 | 116,856 | 73,720 | 47,248 | 25,190 | 59,277 | 78,934 | 62,225 | 91,212 | 77,672 | 89,137 | 863,696 |
| Hallbut, Pacific | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Hardhead | 5,025 | 25,686 | 8,320 | 7,681 | 20,745 | 7,942 | 230 | 30 | ..... | 12,335 | 17,330 | 22,644 | 128,230 |
| Herring | 759,602 | 100,944 | 5,758 | 142,086 | 232,579 | 41,083 | 22,202 | 500 | ..... | ..... | ..... | 815 | 1,305,569 |
| Herring, Pacific round | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4,250 |
| Lincod | 76,276 | 68,466 | 37,811 | 89,919 | 95,232 | 127,326 | 211,077 | 144,235 | 135,100 | 50,834 | 32,553 | 43,232 | 1,112,204 |
| Mackerel, jack | 10,423,397 | 3,458,163 | 4,668,050 | 4,318,228 | 7,286,938 | 7,019,375 | 2,805,019 | 698,144 | 1,113,169 | 20,040,683 | 20,490,582 | 7,230,215 | 89,578,933 |
| Mackerel, Pacific | 6,034,884 | 3,383,503 | 860,330 | 1,267,279 | 4,021,417 | 2,200,905 | 3,226,585 | 4,697,673 | 1,842,222 | 11,048,742 | 6,176,238 | 3,223,650 | 48,578,820 |
| Opaloe | ..... | ..... | ..... | ..... | 21 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1,263 |
| Perch | 18,903 | 10,686 | 32,137 | 38,708 | 525 | ..... | 9,744 | 9,223 | 18,813 | 8,217 | 9,051 | 9,108 | 165,115 |
| Pompano, Pacific | 290 | 35 | 596 | 1,147 | 1,469 | 862 | 10,114 | 16,571 | 4,129 | 829 | 48 | 40 | 35,960 |
| Rockfish | 986,712 | 639,082 | 869,484 | 889,141 | 729,822 | 752,431 | 738,568 | 766,702 | 921,623 | 889,501 | 721,476 | 772,841 | 9,824,393 |
| Sablefish | 178,637 | 79,292 | 298,217 | 199,337 | 125,180 | 174,351 | 296,317 | 210,821 | 294,677 | 153,533 | 129,737 | 177,998 | 2,015,237 |
| Salmon | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 6,672,961 |
| Sandfish | 53,044 | 21,264 | 73,692 | 56,435 | 68,398 | 74,485 | 83,045 | 78,376 | 59,481 | 41,512 | 31,237 | 39,972 | 679,911 |
| Sardine | 4,736,074 | 3,282,859 | 331,495 | 812,053 | 830,038 | 358,155 | 390,923 | 1,785,433 | 743,828 | 1,393,628 | 379,627 | 418,809 | 15,982,852 |
| Scupin | 5,245 | 824 | 3,099 | 8,464 | 8,279 | 3,598 | 9,569 | 1,862 | 1,439 | 8,802 | 4,573 | 1,903 | 57,581 |
| Sea bass, giant | 54,333 | 39,199 | 40,015 | 12,198 | 19,516 | 24,218 | 30,346 | 47,163 | 22,024 | 33,760 | 68,698 | 54,739 | 446,299 |
| Sebass, white | 32,323 | 14,235 | 10,279 | 12,462 | 24,512 | 43,190 | 32,801 | 47,115 | 21,800 | 88,254 | 170,607 | 76,870 | 574,408 |

FISH BULLETIN 123

TABLE 8
Monthly Landings and Shipments Into California During 1962

| | | | | | | | | | | | | | |
|---------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Shark | 52,741 | 25,287 | 49,415 | 49,386 | 62,109 | 97,639 | 81,216 | 73,339 | 45,329 | 81,438 | 63,658 | 71,621 | 753,177 |
| Shepherd, California | 1,119 | 1,146 | 982 | 135 | 143 | 502 | 28 | 4,303 | 495 | 2,767 | 1,502 | 3,883 | 29,327 |
| Sierra | | 35 | | | | | | | | | | 69 | 95 |
| Skate | 16,558 | 15,851 | 22,180 | 16,018 | 24,427 | 13,680 | 11,774 | 14,096 | 11,758 | 11,772 | 9,079 | 13,211 | 182,178 |
| Snail | 5,801 | 15,498 | 29,140 | 17,890 | 31,764 | 68,699 | 90,369 | 18,158 | 28,829 | 12,290 | 13,005 | 5,339 | 339,498 |
| Snail, whitebait | 22,669 | 21,467 | 29,891 | 41,896 | 22,398 | 16,776 | 19,982 | 9,523 | 3,499 | | | | 188,357 |
| Sole, Dover | 184,499 | 201,541 | 530,104 | 653,708 | 981,470 | 815,021 | 1,010,117 | 1,137,311 | 1,313,041 | 853,755 | 513,389 | 387,135 | 8,581,091 |
| Sole, English | 433,411 | 249,814 | 492,607 | 424,820 | 293,423 | 259,498 | 312,547 | 365,488 | 429,911 | 373,651 | 229,669 | 459,189 | 4,296,948 |
| Sole, petrale | 419,110 | 101,675 | 188,564 | 278,200 | 238,084 | 292,230 | 290,579 | 263,324 | 222,441 | 123,161 | 156,845 | 468,951 | 3,041,164 |
| Sole, rex | 152,154 | 64,267 | 105,642 | 117,748 | 90,089 | 77,982 | 119,191 | 134,971 | 163,658 | 165,569 | 107,150 | 171,084 | 1,408,245 |
| Sole sand | 22,272 | 11,504 | 3,810 | 303 | 18,600 | 19,150 | 27,996 | 18,820 | 17,038 | 6,553 | 11,385 | 29,796 | 196,565 |
| Sole, miscellaneous | 9,740 | 1,684 | 17,314 | 3,816 | 692 | 3,483 | 2,541 | 5,806 | 7,061 | 7,444 | 4,694 | 4,694 | 69,444 |
| Spittail | 373 | 185 | 174 | | | | | | | | | 848 | 1,580 |
| Swordfish | | | | | | | 4,301 | 11,580 | 19,450 | 3,817 | | | 39,057 |
| Tomcod, Pacific | | | | | | | | | | 180 | | 70 | 375 |
| Tuna, albacore | | | | | | 28,414 | 9,266,882 | 11,008,820 | 8,411,802 | 4,342,671 | 503,786 | | 36,622,375 |
| Tuna, bluefin | | 43,133 | 187,178 | 8,414 | 159,861 | 2,580,678 | 6,056,446 | 9,790,426 | 6,082,217 | 4,388,942 | 1,081,849 | 16,187 | 31,199,931 |
| Tuna, skipjack | 9,947,061 | 7,386,147 | 8,639,411 | 7,457,045 | 6,366,105 | 6,896,223 | 11,600,496 | 7,281,143 | 7,572,333 | 6,807,319 | 7,405,911 | 5,359,892 | 92,721,036 |
| Tuna, yellowfin | 9,897,958 | 8,255,155 | 12,254,236 | 19,112,420 | 19,223,673 | 14,629,222 | 9,490,867 | 4,194,657 | 2,961,014 | 4,574,386 | 7,397,732 | 12,099,201 | 12,020,758 |
| Turbot | 15,040 | 7,585 | 2,613 | 1,633 | 2,148 | 1,045 | 7,045 | 3,091 | 3,805 | 9,700 | 9,820 | 11,858 | 83,383 |
| Wahoo | | 5,636 | | 975 | 16,897 | | | | | | | | 23,508 |
| Whitefish, ocean | 1,800 | 2,473 | 1,432 | 2,211 | 920 | 86 | 391 | 85 | | 284 | 1,373 | 797 | 12,002 |
| Yellowtail, California | 4,928 | 11,229 | 18,476 | 25,852 | 20,169 | 7,996 | 2,852 | 6,636 | 21,657 | 55,024 | 6,356 | 18,421 | 6,356 |
| Miscellaneous | 39 | 32 | 3,599 | 153 | 36 | 172 | 236 | 111 | 15 | 3 | 20 | 125 | 4,562 |
| Miscellaneous animal food | 136,089 | 97,284 | 119,556 | 331,256 | 121,495 | 123,842 | 91,582 | 208,060 | 165,332 | 150,128 | 179,697 | 144,690 | 1,879,811 |
| Crustacean: | | | | | | | | | | | | | |
| Crab, market | 1,049,810 | 229,238 | 142,091 | 45,592 | 94,462 | 92,905 | 6,396 | 20,108 | 17,482 | 8,731 | 8,894 | 26,119 | 3,222,580 |
| Crab, rock | 13,227 | 11,124 | 12,622 | 11,908 | 27,119 | 19,097 | 28,973 | | | | | | 29,391 |
| Lobster, spiny | 64,328 | 40,029 | 36,993 | | | | | | | 167,032 | 112,338 | 87,011 | 517,022 |
| Prawn | | 645 | 48 | | | | | | | | | | 694 |
| Shrimp, bay | | | | | | | 385 | 140 | 235 | 315 | | | 1,073 |
| Shrimp, ocean | | | | | | | 410,542 | 489,865 | 558,993 | 70,600 | | | 1,782,955 |
| Shrimp, unclassified | | | | | | | 2,624 | | | | | | 2,624 |
| Mollusk: | | | | | | | | | | | | | |
| Abalone | 223,907 | | 146,414 | 394,576 | 482,199 | 488,832 | 552,509 | 335,194 | 450,217 | 387,379 | 275,129 | 449,825 | 4,183,181 |
| Clam, razor | 40 | | 120 | 40 | 100 | 120 | | | | | | | 480 |
| Clam, jackknife | 136 | | 211 | 350 | 692 | 635 | 853 | 579 | 414 | 225 | 159 | 64 | 4,458 |
| Clam, Washington | 311 | | 751 | 1,153 | 552 | 162 | | | | | | | 3,188 |
| Clam, unclassified | 20 | | 20 | | 80 | 40 | | | 55 | | | | 270 |
| Mussel | | 7,613 | | | | | | | | | | | 7,613 |
| Octopus | 2,340 | 1,632 | 1,394 | 1,635 | 860 | 625 | 1,170 | 545 | 401 | 440 | 546 | 1,339 | 13,236 |
| Oyster, eastern | 1,183,355 | 7,899 | 7,299 | 7,299 | 6,660 | 6,129 | 3,499 | 6,660 | 8,840 | 19,260 | 19,390 | 11,190 | 95,190 |
| Oyster, giant Pacific | | 871,724 | 1,395,293 | 684,489 | 967,924 | 474,566 | 415,935 | 329,323 | 661,137 | 1,283,293 | 1,273,952 | 1,562,741 | 11,043,732 |
| Sea snail | | | | | | | 189 | | 206 | 40 | 64 | 126 | 493 |
| Spud | 2,756,605 | 896,559 | 749,225 | 734,585 | 1,434,096 | 1,260,114 | 1,395,388 | 219,270 | 258,470 | 11,692 | 112,980 | 305,865 | 9,368,149 |
| Total pounds | 50,792,193 | 30,129,671 | 32,027,810 | 39,239,428 | 46,093,613 | 41,329,012 | 52,813,839 | 48,756,396 | 35,703,728 | 50,203,304 | 40,364,530 | 36,075,715 | 52,439,230 |

TABLE 8—FISH AND FISH PRODUCTS

1

TABLE 8—Cont'd.

TABLE 8—Continued
Monthly Landings and Shipments Into California During 1962

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|-------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| SHIPMENTS:^a | | | | | | | | | | | | | |
| Fish: | | | | | | | | | | | | | |
| Bonito, Pacific..... | | | | 15,000 | | | | | | | | | 15,000 |
| Sablefish..... | 60,000 | | | | | | 10,755 | 1,565 | 15,456 | 46,633 | | | 134,449 |
| Salmon..... | 20,202 | 36,442 | | | 3,649 | 926 | 954 | 41,852 | 51,223 | 31,763 | 22,074 | | 211,088 |
| Shad..... | | | | | | | 19,056 | | 11,642 | 6,416 | | | 40,114 |
| Shark..... | | | | | | | | | | | | 10,629 | 10,629 |
| Smelt..... | | | | 8,540 | 3,900 | | | | | | | | 12,240 |
| Sturgeon..... | 6,080 | 612 | | | | | | | | | | | 6,692 |
| Tuna, albacore..... | 2,763,278 | 7,337,713 | 7,288,939 | 6,619,621 | 1,818,645 | 746,417 | 999,928 | 355,455 | 3,275,496 | 1,481,412 | 1,526,375 | 2,475,475 | 36,731,754 |
| Tuna, bigeye..... | 136,427 | 42,046 | | 121,764 | 130,467 | 87,725 | 514,668 | 197,267 | 125,998 | 139,729 | | 5,291 | 1,472,942 |
| Tuna, skipjack..... | | | | 480,040 | | | 81,857 | 120,077 | 897,873 | 42,574 | 1,000 | | 1,715,481 |
| Tuna, yellowfin..... | | | | | | | | | | | | | |
| Tuna, oriental..... | | 30,000 | 70,297 | 30,000 | 74,000 | | | | | | | | 204,297 |
| Tuna, skipjack..... | 97,101 | 1,199,729 | 372,693 | 521,248 | 367,857 | 130,968 | 111,794 | 941,692 | 518,111 | 1,848,149 | 226,190 | | 6,338,432 |
| Tuna, yellowfin..... | 5,451,675 | 6,344,231 | 9,800,991 | 10,465,667 | 11,372,240 | 11,053,575 | 6,168,894 | 10,511,767 | 6,213,326 | 6,320,045 | 4,735,719 | | 94,125,185 |
| Yellowtail, California..... | | | | 6,000 | | | | | 3,059 | | | | 3,059 |
| Miscellaneous..... | | | 5,500 | | 10,600 | 14,360 | 36,765 | 7,475 | 45,499 | 5,810 | | | 49,675 |
| Mollusk: | | | | | | | | | | | | | |
| Clam, Pismo..... | 315,760 | | 106,880 | | | | | | | | | 41,640 | 464,280 |
| Total pounds..... | 8,843,321 | 14,974,524 | 18,012,576 | 18,149,156 | 13,781,158 | 12,966,669 | 7,944,525 | 12,969,059 | 10,326,215 | 10,034,506 | 6,510,358 | 7,125,290 | 141,967,377 |
| Grand total..... | 59,635,514 | 45,104,195 | 50,040,388 | 57,388,584 | 59,784,771 | 54,325,711 | 60,758,355 | 61,725,455 | 46,029,943 | 69,237,810 | 55,874,888 | 43,200,995 | 663,106,607 |

^a For origin of shipments refer to Table 6.

FISH BULLETIN 152

TABLE 8
Monthly Landings and Shipments Into California During 1962

TABLE 9
Monthly Landings and Shipments of Commercial Fish Into the Eureka Area During 1962

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|----------------------------------|---------|----------|---------|---------|---------|---------|-----------|---------|-----------|---------|----------|----------|--------------|
| LANDINGS FROM: | | | | | | | | | | | | | |
| California Waters: | | | | | | | | | | | | | |
| Fish: | | | | | | | | | | | | | |
| Flounder..... | 7,350 | 9,267 | 7,749 | 2,222 | 17,284 | 15,256 | 11,560 | 30,058 | 34,109 | 9,007 | 912 | 2,011 | 147,415 |
| Flounder, arrowtooth..... | 298 | 802 | 3,017 | 6,572 | 10,080 | 6,671 | 10,221 | 5,342 | 1,464 | 748 | 104 | ..... | 45,728 |
| Hallibut, Pacific..... | ..... | ..... | ..... | ..... | 620 | 232 | 2,042 | 429 | ..... | 223 | ..... | ..... | 3,546 |
| Herring, Pacific..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 85 |
| Langcod..... | 25,841 | 43,413 | 18,827 | 45,227 | 50,165 | 48,810 | 110,494 | 88,360 | 81,065 | 26,497 | 9,850 | 7,437 | 559,479 |
| Perch..... | 12,708 | 6,641 | 10,994 | 13,602 | ..... | ..... | 6,655 | 7,860 | 11,279 | 5,722 | 6,054 | ..... | 87,130 |
| Rockfish..... | 121,954 | 69,501 | 113,045 | 239,205 | 77,024 | 101,341 | 244,550 | 220,007 | 310,993 | 109,290 | 101,338 | 75,364 | 1,781,802 |
| Sablefish..... | 12,204 | 4,909 | 24,496 | 40,791 | 59,653 | 45,268 | 68,290 | 73,976 | 79,997 | 79,117 | 70,921 | 75,465 | 639,167 |
| Salmon..... | ..... | ..... | ..... | 248,411 | 764,396 | 934,735 | 1,529,621 | 407,437 | 308,796 | ..... | ..... | ..... | 4,193,386 |
| Sanddab..... | 4,592 | 6,638 | 14,061 | 27,242 | 11,966 | 11,580 | 17,655 | 28,448 | 24,767 | 6,741 | 658 | 1,375 | 154,252 |
| Shark..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 140 | ..... | ..... | 160 |
| Shake..... | ..... | 232 | ..... | 1,340 | 6,500 | 350 | 34 | 116 | 144 | ..... | 29 | ..... | 8,745 |
| Smelt..... | 443 | 5,838 | 9,067 | 6,645 | 21,082 | 58,396 | 72,979 | 8,897 | 29,354 | 6,517 | 65 | ..... | 206,222 |
| Smelt, whitebait..... | 6,262 | 9,436 | 26,211 | 38,904 | 16,911 | 13,918 | 19,701 | 9,191 | 2,152 | ..... | 346 | ..... | 141,023 |
| Sole, Dover..... | 28,669 | 9,068 | 46,962 | 332,855 | 574,092 | 536,466 | 854,925 | 892,836 | 1,135,714 | 626,078 | 422,507 | 336,302 | 8,796,474 |
| Shark..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 20 |
| Sole, English..... | 61,884 | 54,069 | 121,548 | 180,269 | 72,346 | 68,120 | 58,377 | 160,718 | 196,055 | 81,221 | 13,917 | 21,910 | 1,061,464 |
| Sole, petrale..... | 223,254 | 41,637 | 56,467 | 94,635 | 48,218 | 62,273 | 81,696 | 117,648 | 93,168 | 47,846 | 62,840 | 245,736 | 1,156,928 |
| Sole, rex..... | 50,916 | 14,779 | 30,170 | 62,916 | 46,566 | 40,000 | 46,168 | 61,164 | 83,410 | 31,030 | 24,263 | 29,416 | 522,798 |
| Sole, sand..... | 3,052 | 1,511 | 1,974 | 78 | 15,476 | 19,066 | 934 | 2,864 | 5,428 | 1,438 | 303 | 25 | 41,296 |
| Sole, miscellaneous..... | 400 | 378 | 1,274 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 549 |
| Tuna, albacore..... | ..... | ..... | ..... | ..... | ..... | ..... | 4,343 | 401,222 | 730,290 | 240,809 | ..... | ..... | 1,376,664 |
| Turbot..... | ..... | 320 | 168 | 741 | 218 | 115 | 110 | 116 | 455 | 403 | 165 | 332 | 4,173 |
| Miscellaneous..... | ..... | ..... | ..... | ..... | ..... | ..... | 4 | 7 | 6 | ..... | ..... | ..... | 17 |
| Miscellaneous (animal food)..... | 43,125 | 19,206 | 30,851 | 164,942 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 258,124 |
| Crustacean: | | | | | | | | | | | | | |
| Crab, market..... | 975,126 | 182,701 | 118,832 | 38,041 | 77,091 | 71,732 | 6,366 | ..... | ..... | ..... | ..... | ..... | 381,565 |
| Crab, rock..... | ..... | ..... | ..... | 2,300 | 1,020 | 80 | ..... | ..... | ..... | ..... | ..... | ..... | 2,400 |
| Shrimp, ocean..... | | | | | | 216,965 | 204,295 | 489,865 | 555,993 | 70,690 | | | 1,537,708 |

MAINE FISH CATCH FOR 1962
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TABLE 9
Monthly Landings and Shipments of Commercial Fish Into the Eureka Area During 1962

TABLE 9—Continued
Monthly Landings and Shipments of Commercial Fish Into the Eureka Area During 1962

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|
| LANDINGS FROM:—Continued | | | | | | | | | | | | | |
| California Waters—Continued | | | | | | | | | | | | | |
| Mollusk: | | | | | | | | | | | | | |
| Clam, Washington..... | 311 | 751 | 1,155 | 552 | 162 | ..... | ..... | ..... | 156 | ..... | ..... | 98 | 3,185 |
| Ostrea..... | 218 | 20 | 207 | 125 | 75 | ..... | 100 | ..... | 25 | 270 | ..... | ..... | 1,285 |
| Oyster, giant Pacific..... | 1,011,600 | 766,500 | 1,108,800 | 551,400 | 938,600 | 422,100 | 367,500 | 288,750 | 577,500 | 1,113,000 | 1,067,300 | 1,213,000 | 9,557,050 |
| Total pounds..... | 2,624,820 | 1,243,757 | 1,745,625 | 2,102,025 | 2,806,826 | 2,672,704 | 3,718,710 | 3,295,511 | 4,260,795 | 2,454,396 | 1,771,211 | 2,488,312 | 31,181,752 |
| Waters North of State: | | | | | | | | | | | | | |
| Fish: | | | | | | | | | | | | | |
| Flounder..... | ..... | 16 | 413 | 888 | 431 | 162 | 1,280 | 924 | 76 | ..... | 10 | ..... | 4,200 |
| Flounder, arrowtooth..... | ..... | ..... | ..... | ..... | 85 | ..... | ..... | 258 | ..... | ..... | ..... | ..... | 323 |
| Hake, Pacific..... | ..... | ..... | 2,175 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2,175 |
| Langcod..... | ..... | 220 | 567 | 10,706 | 16,292 | 6,789 | 1,663 | 10,963 | 14,655 | 477 | 633 | ..... | 62,995 |
| Rockfish..... | 2,876 | 8,550 | 5,561 | 35,916 | 38,132 | 22,432 | 3,318 | 22,727 | 23,141 | 19,752 | 8,983 | ..... | 211,411 |
| Subfish..... | 1,528 | 2,314 | 10,578 | 11,107 | 6,156 | 8,082 | 161 | 8,310 | 7,388 | 8,664 | 2,408 | ..... | 66,699 |
| Salmon..... | ..... | ..... | ..... | ..... | ..... | 27 | 96 | 21 | ..... | ..... | ..... | ..... | 144 |
| Sanddab..... | ..... | 44 | 37 | 2,685 | 1,173 | ..... | 207 | 351 | ..... | ..... | ..... | ..... | 2,500 |
| Sole, Dover..... | 22,007 | 10,772 | 8,612 | 171,589 | 250,922 | 139,937 | 11,001 | 143,962 | 109,562 | 140,323 | 60,010 | ..... | 1,070,906 |
| Sole, English..... | ..... | 5,143 | 2,666 | 16,999 | 15,431 | 8,674 | 12,600 | 19,752 | 2,839 | ..... | 635 | ..... | 84,739 |
| Sole, petrale..... | ..... | 1,862 | 1,096 | 13,059 | 36,182 | 26,072 | 19,287 | 48,027 | 22,973 | 1,586 | 3,698 | ..... | 173,842 |
| Sole, rex..... | 140 | 988 | 1,200 | 6,087 | 5,126 | 4,072 | 862 | 4,558 | 1,408 | 1,925 | 795 | ..... | 27,106 |
| Sole, sand..... | ..... | ..... | ..... | ..... | 2,104 | ..... | 317 | 200 | ..... | ..... | ..... | ..... | 2,621 |
| Turbot..... | ..... | ..... | ..... | 150 | ..... | ..... | ..... | 110 | ..... | ..... | ..... | ..... | 290 |
| Miscellaneous (animal food)..... | 8,197 | 21,928 | 6,236 | 55,917 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 92,275 |
| Total pounds..... | 34,748 | 51,837 | 39,204 | 344,503 | 372,054 | 216,247 | 52,879 | 260,086 | 182,072 | 172,927 | 77,211 | ..... | 1,803,768 |
| SHIPMENTS:* | | | | | | | | | | | | | |
| Fish: | | | | | | | | | | | | | |
| Salmon..... | ..... | ..... | ..... | ..... | ..... | ..... | 50 | 1,800 | 1,500 | ..... | ..... | ..... | 3,350 |
| Total pounds..... | ..... | ..... | ..... | ..... | ..... | ..... | 50 | 1,800 | 1,500 | ..... | ..... | ..... | 3,350 |
| GRAND TOTAL..... | 2,659,568 | 1,295,594 | 1,784,829 | 2,446,528 | 3,178,880 | 2,888,951 | 3,771,639 | 3,557,397 | 4,444,367 | 2,627,323 | 1,846,452 | 2,485,342 | 32,988,870 |

* For origin of shipments refer to Table 6.

1962 RELEASE UNDER E.O. 14176

TABLE 9
Monthly Landings and Shipments of Commercial Fish Into the Eureka Area During 1962

TABLE 10
 Monthly Landings and Shipments of Commercial Fish Into the San Francisco Area During 1962 *

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|---------------------------|---------|----------|---------|---------|---------|---------|---------|---------|-----------|---------|----------|----------|--------------|
| LANDINGS FROM: | | | | | | | | | | | | | |
| California Waters: | | | | | | | | | | | | | |
| Fish: | | | | | | | | | | | | | |
| Anchovy..... | 45 | ..... | ..... | ..... | ..... | 2,350 | 3,575 | 3,050 | 2,406 | ..... | ..... | ..... | 11,381 |
| Cabron..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 67 |
| Carp..... | 9,831 | 26,872 | 22,248 | 11,025 | 24,992 | 22,653 | 18,815 | 11,429 | 17,455 | 18,360 | 21,360 | 11,963 | 218,712 |
| Craker, white..... | 254 | 156 | 170 | 40 | 960 | 50 | 600 | 280 | 828 | 328 | 325 | ..... | 320 |
| Flounder..... | 35,525 | 47,803 | 16,235 | 1,145 | 130 | 235 | 8,015 | 10,665 | 18,860 | 4,304 | 4,475 | ..... | 147,652 |
| Flounder, arrowtooth..... | 90 | ..... | 295 | 2,560 | 1,765 | 495 | 500 | 1,520 | 50 | ..... | ..... | ..... | 7,275 |
| Hake, Pacific..... | 18,416 | 4,537 | 2,840 | 582 | 17,765 | 27,375 | 28,335 | ..... | 390 | ..... | ..... | ..... | 74,268 |
| Hallibut, California..... | 5,026 | 25,686 | 8,820 | 7,681 | 29,765 | 7,643 | 230 | 30 | ..... | 12,335 | 15,755 | ..... | 16,791 |
| Hardhead..... | 707,210 | 100,944 | 3,120 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 730 |
| Herring, Pacific..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Linseed..... | 21,440 | 14,074 | 137,44 | 18,463 | 17,565 | 59,813 | 74,781 | 27,624 | 15,947 | 19,864 | 10,866 | 7,747 | 301,967 |
| Mackerel, jack..... | ..... | ..... | ..... | ..... | ..... | 25 | 29 | 2,648 | 383 | ..... | ..... | ..... | 450 |
| Purch..... | 447 | 706 | 7,648 | 8,240 | ..... | ..... | 284 | 370 | 866 | 975 | 1,214 | 766 | 21,436 |
| Rockfish..... | 207,826 | 135,453 | 240,507 | 187,133 | 119,727 | 108,718 | 95,638 | 92,984 | 165,044 | 201,117 | 131,156 | 244,163 | 1,689,196 |
| Sablefish..... | 86,629 | 54,932 | 147,447 | 42,982 | 27,790 | 70,455 | 143,965 | 116,515 | 95,410 | 34,410 | 15,380 | ..... | 60,180 |
| Salmon..... | ..... | ..... | ..... | 254,482 | 325,032 | 292,673 | 568,168 | 367,356 | 242,682 | ..... | ..... | ..... | 2,060,993 |
| Sardine..... | 39,139 | 9,550 | 52,100 | 20,145 | 42,300 | 44,665 | 62,735 | 31,610 | 27,715 | 26,730 | 22,010 | 30,130 | 392,949 |
| Sardine..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 94 | ..... | ..... | ..... | ..... | 94 |
| Sea bass, white..... | 1,887 | 199 | 165 | ..... | ..... | ..... | ..... | ..... | 250 | 4,182 | 1,328 | 268 | 11,000 |
| Shark..... | 17,976 | 5,255 | 20,310 | 4,168 | 5,235 | 6,474 | 7,263 | 10,538 | 12,988 | 43,913 | 15,219 | 9,180 | 158,519 |
| Skate..... | 15,025 | 7,800 | 10,950 | 5,625 | 11,325 | 5,715 | 6,525 | 5,750 | 8,375 | 5,150 | 7,125 | 7,925 | 97,290 |
| Smelt..... | 2,567 | 8,090 | 13,790 | 8,649 | 10,167 | 9,227 | 2,493 | 2,278 | 5,539 | 2,772 | 985 | ..... | 63,193 |
| Smelt, whitebait..... | 3,885 | 2,682 | 3,565 | 2,992 | 4,492 | 2,858 | 291 | ..... | ..... | ..... | ..... | ..... | 21,656 |
| Sole, Dover..... | 129,383 | 179,155 | 465,272 | 171,494 | 118,297 | 107,729 | 66,238 | 61,585 | 49,668 | 76,399 | 29,621 | 49,230 | 1,159,652 |
| Sole, English..... | 295,281 | 101,672 | 117,231 | 93,496 | 157,690 | 119,890 | 249,097 | 152,625 | 158,700 | 200,510 | 171,612 | 376,858 | 2,201,488 |
| Sole, petrale..... | 144,048 | 29,492 | 88,679 | 68,664 | 56,618 | 83,805 | 142,381 | 53,565 | 36,535 | 44,332 | 49,565 | 110,774 | 608,458 |
| Sole, rex..... | 53,230 | 24,450 | 47,777 | 32,868 | 25,665 | 17,165 | 43,851 | 36,500 | 39,950 | 39,555 | 41,545 | 86,915 | 491,464 |
| Sole, sand..... | 29,230 | 9,953 | 1,845 | 285 | 410 | 1,085 | 267,45 | 11,975 | 12,070 | 3,113 | 10,850 | 29,159 | 149,922 |
| Sole, miscellaneous..... | 5,699 | | 11,595 | 1,900 | | | | | 207 | 2,491 | 583 | | 22,385 |
| Spratling..... | 373 | 185 | 174 | | | | | | | | | 848 | 1,580 |

MARINE FISH CATCH FROM 1962

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TABLE 10
 Monthly Landings and Shipments of Commercial Fish Into the San Francisco Area During 1962

TABLE 10—Continued
Monthly Landings and Shipments of Commercial Fish Into the San Francisco Area During 1962 *

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|-------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|
| LANDINGS FROM:—Continued | | | | | | | | | | | | | |
| California Waters:—Continued | | | | | | | | | | | | | |
| Fish:—Continued | | | | | | | | | | | | | |
| Tomcod, Pacific..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 180 | 70 | 125 | ..... | 375 |
| Tuna, albacore..... | ..... | ..... | ..... | ..... | ..... | ..... | 925 | 298,320 | 970,314 | 216,864 | 17,485 | ..... | 1,564,258 |
| Turbot..... | 15,040 | 7,365 | 2,445 | 742 | 1,650 | 930 | 6,935 | 2,775 | ..... | 5,680 | 8,465 | 12,540 | 69,777 |
| Miscellaneous..... | ..... | ..... | 3,360 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 88 |
| Miscellaneous (animal food)..... | 7,715 | ..... | 25,300 | ..... | ..... | ..... | 7,080 | ..... | ..... | 10,580 | 10,245 | ..... | 70,055 |
| Crustaceans: | | | | | | | | | | | | | |
| Crab, market..... | 72,044 | 43,271 | 19,548 | 5,857 | 13,849 | 19,375 | ..... | ..... | ..... | ..... | 812,804 | 362,401 | 1,349,152 |
| Crab, rock..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 245 | ..... | ..... | ..... | ..... | 245 |
| Shrimp, bay..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 385 | 140 | 235 | 315 | ..... | 1,075 |
| Shrimp, ocean..... | ..... | ..... | ..... | ..... | ..... | ..... | 245,247 | ..... | ..... | ..... | ..... | ..... | 245,247 |
| Mollusk: | | | | | | | | | | | | | |
| Alalose..... | 242 | ..... | 2,050 | ..... | ..... | 1,575 | 9,688 | 1,325 | 8,225 | 200 | 42 | 1,054 | 25,301 |
| Clams..... | ..... | 2,815 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 7,011 |
| Oysters..... | 2,131 | 1,492 | 997 | 1,510 | 785 | 550 | 1,310 | 495 | ..... | 55 | 520 | 1,232 | 11,077 |
| Oyster, eastern..... | 8,100 | 7,800 | 7,200 | 7,200 | 6,060 | 6,120 | 5,400 | 6,900 | 8,640 | 10,200 | 10,500 | 11,100 | 95,100 |
| Oyster, giant Pacific..... | 18,805 | 14,299 | 31,718 | 19,599 | 13,654 | 9,566 | 22,135 | 2,298 | 41,487 | 57,915 | 82,142 | 87,981 | 392,469 |
| Total pounds..... | 1,956,488 | 871,320 | 1,400,124 | 944,667 | 1,007,564 | 1,030,222 | 1,837,016 | 1,320,578 | 1,946,478 | 1,118,406 | 1,513,093 | 1,544,679 | 16,490,635 |
| SHIPMENTS:† | | | | | | | | | | | | | |
| Fish: | | | | | | | | | | | | | |
| Tuna, albacore..... | 232,240 | 1,073,064 | 535,637 | 392,064 | 442,840 | 148,300 | 824,800 | 6,182 | 31,000 | 300,134 | 11,810 | ..... | 3,965,631 |
| Tuna, bigeye..... | 97,667 | 18,000 | 121,264 | ..... | 41,447 | 20,000 | 342,460 | 56,820 | 83,513 | 139,729 | ..... | 5,291 | 958,991 |
| Tuna, bluefin..... | ..... | ..... | 30,000 | 480,040 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 500,040 |
| Tuna, opisthokentrus..... | ..... | 30,000 | 60,000 | 30,000 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 150,000 |
| Tuna, skipjack..... | ..... | 30,000 | ..... | 40,650 | 29,940 | 122,227 | ..... | 116,050 | 100,377 | ..... | ..... | ..... | 412,214 |
| Tuna, yellowfin..... | 2,487,189 | 1,153,100 | 2,388,017 | 1,817,650 | 1,168,413 | 2,151,750 | 2,070,040 | 1,455,578 | 1,610,935 | 2,192,982 | 1,443,960 | 1,340,636 | 21,358,683 |
| Total pounds..... | 2,817,396 | 2,274,854 | 3,125,418 | 2,731,294 | 1,756,640 | 2,472,287 | 3,267,280 | 1,680,900 | 1,869,825 | 2,532,835 | 1,458,770 | 1,355,230 | 27,239,520 |
| Grand total..... | 4,773,884 | 3,146,174 | 4,525,542 | 3,675,961 | 2,764,204 | 3,502,509 | 5,104,396 | 3,001,178 | 3,816,303 | 3,651,241 | 2,968,863 | 2,899,909 | 43,630,154 |

* Includes Sacramento area landings.
† For origin of shipments refer to Table 6.

FISH BULLETIN 128

TABLE 10
Monthly Landings and Shipments of Commercial Fish Into the San Francisco Area During 1962

TABLE 11
 Monthly Landings and Shipments of Commercial Fish Into the Monterey Area During 1962

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|---------------------------|---------|----------|---------|---------|---------|-----------|---------|-----------|-----------|---------|----------|----------|--------------|
| LANDINGS FROM: | | | | | | | | | | | | | |
| California Waters: | | | | | | | | | | | | | |
| Fish: | | | | | | | | | | | | | |
| Anchovy..... | 37,200 | 9,400 | 66,750 | 7,150 | 9,900 | 165,010 | 119,396 | 37,203 | 231,460 | 358,200 | 87,229 | 57,159 | 1,188,097 |
| Bonito, Pacific..... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | 110 |
| Calico..... | 316 | 118 | .... | .... | .... | .... | 21 | 387 | 368 | 483 | .... | .... | 1,900 |
| Craker, white..... | 16 | 1,202 | 2,320 | 4,490 | 7,182 | 3,568 | 5,167 | 3,470 | 24,477 | 12,983 | 2,518 | 3,719 | 71,052 |
| Flounder..... | 4,080 | 4,019 | 8,694 | 1,848 | 363 | 773 | 485 | 1,272 | 5,036 | 5,573 | 3,895 | 2,467 | 38,505 |
| Greenling, kelp..... | .... | .... | .... | .... | .... | .... | .... | 40 | .... | .... | .... | .... | 40 |
| Hake, Pacific..... | .... | .... | .... | .... | 270 | .... | .... | 645 | 930 | .... | .... | .... | 1,845 |
| Hallibut, California..... | 1,515 | 883 | 1,636 | 2,218 | 3,799 | 2,967 | 6,992 | 15,179 | 6,491 | 2,749 | 1,312 | 1,770 | 47,181 |
| Herring, Pacific..... | 32,980 | .... | 2,550 | 112,940 | 232,579 | 41,953 | 22,127 | 300 | .... | .... | .... | .... | 492,833 |
| Lingcod..... | 24,777 | 6,972 | 2,568 | 3,250 | 4,006 | 3,597 | 9,950 | 3,647 | 8,327 | 6,053 | 6,532 | 10,379 | 101,428 |
| Mackerel, jack..... | 7,749 | .... | 14,800 | 36,560 | 331,180 | 1,089,620 | 94,727 | 94,686 | 83,930 | 31,335 | 23,925 | 241,127 | 2,049,729 |
| Mackerel, Pacific..... | 4,010 | .... | .... | .... | 961 | 1,083 | .... | .... | 230 | .... | .... | .... | 6,287 |
| Perch..... | 25 | 306 | 6,042 | 12,242 | .... | .... | 234 | 233 | 5,369 | 933 | .... | 603 | 25,977 |
| Pompano, Pacific..... | .... | .... | .... | 62 | 159 | .... | .... | 156 | 85 | 42 | .... | .... | 562 |
| Rockfish..... | 318,254 | 231,211 | 227,886 | 225,167 | 240,096 | 308,196 | 288,355 | 173,628 | 208,721 | 257,633 | 196,982 | 173,459 | 2,854,868 |
| Sablefish..... | 75,435 | 16,212 | 32,426 | 14,599 | 29,151 | 46,778 | 51,118 | 11,939 | 18,560 | 33,172 | 34,023 | 41,185 | 404,628 |
| salmon..... | .... | .... | .... | 27,969 | 127,842 | 97,528 | 33,998 | 15,017 | 6,015 | .... | .... | .... | 308,369 |
| Sandfish..... | 9,457 | 5,610 | 7,353 | 6,677 | 13,686 | 17,257 | 12,129 | 17,731 | 12,999 | 8,008 | 8,519 | 8,411 | 127,896 |
| Sardine..... | 996,856 | .... | .... | .... | 39,283 | 9,380 | 5,962 | 1,343,874 | 129,783 | 104,630 | 810 | 51,250 | 2,561,518 |
| Scotian, white..... | 278 | 94 | 69 | 111 | 163 | 63 | .... | 155 | 111 | 681 | 474 | 221 | 2,400 |
| Shark..... | 2,981 | 3,428 | 2,320 | 1,393 | 8,379 | 9,099 | 4,773 | 6,006 | 1,579 | 5,904 | 6,660 | 8,047 | 60,488 |
| Skate..... | 3,533 | 2,363 | 11,255 | 9,075 | 6,492 | 7,615 | 5,215 | 8,259 | 3,299 | 9,622 | 1,910 | 3,145 | 73,991 |
| Sole, English..... | 2,436 | 1,858 | 244 | 1,661 | 297 | 1,993 | 3,657 | 3,403 | 2,465 | 1,730 | 710 | .... | 21,554 |
| Sole, petrale..... | 12,822 | 9,448 | 85 | .... | 55 | .... | .... | 322 | 1,917 | .... | .... | .... | 23,669 |
| Sole, Dover..... | .... | .... | 2,007 | 5,510 | 12,050 | 14,880 | 15,265 | 6,625 | 1,535 | .... | .... | .... | 57,872 |
| Sole, English..... | 16,182 | 15,440 | 19,923 | 22,273 | 19,218 | 13,475 | 13,755 | 19,725 | 47,490 | 37,991 | 12,815 | 31,688 | 269,555 |
| Sole, petrale..... | 13,803 | 7,877 | 12,116 | 10,332 | 9,485 | 7,570 | 8,153 | 10,517 | 31,583 | 19,280 | 6,425 | 27,889 | 166,822 |
| Sole, rex..... | 28,028 | 15,045 | 9,690 | 6,592 | 565 | 2,595 | 1,650 | 2,010 | 3,620 | 4,980 | 7,295 | 21,770 | 102,520 |
| Sole, miscellaneous..... | 3,129 | 926 | 4,311 | 1,739 | 332 | 272 | 987 | 4,587 | 3,996 | 2,946 | 3,645 | 3,200 | 29,851 |
| Tuna, albacore..... | | | | | | | | 1,251,681 | 1,039,813 | 357,463 | 39,498 | | 2,688,665 |

MARINE FISH CATCH FOR 1962

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TABLE 11
 Monthly Landings and Shipments of Commercial Fish Into the Monterey Area During 1962

TABLE 11—Continued
Monthly Landings and Shipments of Commercial Fish Into the Monterey Area During 1962

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|-------------------------------------|------------------|----------------|----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------------|----------------|-------------------|
| LANDINGS FROM:—Continued | | | | | | | | | | | | | |
| California Waters:—Continued | | | | | | | | | | | | | |
| Fish:—Continued | | | | | | | | | | | | | |
| Turbot | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 70 |
| Miscellaneous | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 122,495 |
| Miscellaneous (animal food) | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Crustacean: | | | | | | | | | | | | | |
| Crab, market | 1,934 | 2,550 | 3,196 | 379 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 12,306 |
| Crab, rock | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 152 |
| Prawn | ..... | 616 | 48 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 694 |
| Mollusk: | | | | | | | | | | | | | |
| Shrimp | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 125 |
| Clam, gaper | 40 | 20 | 120 | 60 | 100 | 120 | ..... | ..... | ..... | ..... | ..... | ..... | 480 |
| Clam, miscellaneous | 20 | ..... | 20 | ..... | 80 | 40 | ..... | ..... | ..... | ..... | ..... | ..... | 240 |
| Octopus | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 46 | ..... | ..... | ..... | 61 |
| Oyster, giant Pacific | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 28,878 | ..... | ..... | ..... | 31,668 |
| Squid | ..... | 287,535 | ..... | 716,585 | 1,431,996 | 1,229,565 | 1,394,848 | 217,680 | 251,180 | 730 | 2,580 | ..... | 5,652,857 |
| Total pounds | 1,528,267 | 626,595 | 438,469 | 1,260,202 | 2,529,702 | 3,073,398 | 2,117,082 | 3,288,008 | 2,159,761 | 1,306,964 | 453,512 | 851,336 | 19,630,286 |
| SHIPMENTS: | | | | | | | | | | | | | |
| Fish: | | | | | | | | | | | | | |
| Sweet | ..... | ..... | ..... | 8,640 | 3,600 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 12,240 |
| Total pounds | ..... | ..... | ..... | 8,640 | 3,600 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 12,240 |
| Grand total | 1,528,267 | 626,595 | 438,469 | 1,268,842 | 2,533,302 | 3,073,398 | 2,117,082 | 3,288,008 | 2,159,761 | 1,306,964 | 453,512 | 851,336 | 19,642,526 |

* For origin of shipments refer to Table 6.

FISH BULLETIN 135

TABLE 11
Monthly Landings and Shipments of Commercial Fish Into the Monterey Area During 1962

TABLE 12
 Monthly Landings of Commercial Fishing Boats Into the Santa Barbara Area During 1962

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|-----------------------------|-----------|----------|---------|---------|---------|---------|---------|---------|-----------|-----------|-----------|-----------|--------------|
| LANDINGS FROM: | | | | | | | | | | | | | |
| California Waters: | | | | | | | | | | | | | |
| Fish: | | | | | | | | | | | | | |
| Anchovy..... | | | | | | | 2,500 | 7,450 | 17,800 | 2,160 | | | 29,910 |
| Baranada, California..... | 30,235 | | 1,438 | 4,574 | 21 | | | 7,941 | 1,708 | 3,327 | | | 49,722 |
| Bonito, Pacific..... | | | | | | | 206 | 701 | 4,953 | 1,329 | 381 | 347 | 7,929 |
| Cabezon..... | 38 | 10 | | | 22 | | | 56 | | | | | 112 |
| Croaker, white..... | 42 | | | | | | | 1,905 | 115 | 1,470 | | | 3,532 |
| Dolphinfish..... | | | | | | | | 33 | | | | | 33 |
| Flounder..... | | 80 | | 41 | | | 4 | 15 | | | | | 141 |
| Greenling, kelp..... | 155 | | | 30 | 68 | 288 | | | | | | | 541 |
| Hallbut, California..... | 15,212 | 7,793 | 8,851 | 10,507 | 6,053 | 4,887 | 5,611 | 14,997 | 19,996 | 17,199 | 15,859 | 22,792 | 149,070 |
| Herring, Pacific..... | 392 | | | | | 50 | | | | | | | 442 |
| Lingcod..... | 4,441 | 3,720 | 2,108 | 2,263 | 7,178 | 8,399 | 15,050 | 13,641 | 11,225 | 3,801 | 4,206 | | 85,611 |
| MacKenzi, jack..... | 1,692,518 | 205,465 | 495,290 | 669,900 | 492,900 | 755,130 | 793,872 | 393,370 | 384,200 | 643,286 | 1,492,200 | 1,640,865 | 9,572,095 |
| MacKenzi, Pacific..... | 315,412 | 190,000 | | 355,000 | 273,000 | 320,302 | | 330,910 | 312,090 | 2,069,640 | 657,850 | 175,070 | 4,980,084 |
| Perch..... | 8,407 | 2,536 | 2,622 | 2,536 | | | 919 | 676 | 1,181 | 470 | 1,047 | 549 | 15,776 |
| Pompano, Pacific..... | | | | | | | | 252 | 55 | | | | 307 |
| Rockfish..... | 206,581 | 111,399 | 171,696 | 139,257 | 142,980 | 146,832 | 118,887 | 232,974 | 196,872 | 167,158 | 201,820 | 183,742 | 2,021,181 |
| Sablefish..... | 1,790 | 600 | 3,020 | 755 | 2,490 | 3,382 | 3,093 | 68 | 810 | 1,170 | 1,265 | | 2,820 |
| Salmon..... | | | | 7,174 | 5,769 | 32,572 | 21,883 | 13,645 | 27,654 | | | | 108,687 |
| Sardines..... | 664,740 | 120,935 | | 286 | | | | 143,150 | 512,160 | 532,164 | 167,700 | | 2,545,274 |
| Sea bass, giant..... | | 249 | | 379 | 198 | 84 | 234 | | 3 | 51 | 126 | 54 | 1,378 |
| Seabass, white..... | 2,361 | | 411 | 2,203 | 1,301 | 803 | 7,566 | 10,914 | 3,829 | 3,296 | 3,850 | 2,463 | 39,398 |
| Shark..... | 4,835 | 855 | 4,250 | 8,024 | 4,922 | 7,745 | 30,959 | 26,819 | 14,786 | 5,220 | 3,550 | 6,848 | 118,813 |
| Sheepshead, California..... | 181 | 87 | 64 | | | | | | | | | 99 | 431 |
| Skate..... | | 314 | | | | | | | | | | 15 | 141 |
| Smelt..... | | | | | | | | 37 | 11 | 20 | 120 | 70 | 258 |
| Sole, Dover..... | 4,240 | 2,546 | 7,151 | 6,350 | 26,109 | 23,018 | 60,668 | 33,363 | 16,202 | 10,755 | 4,812 | 1,483 | 196,787 |
| Sole, English..... | 57,644 | 71,280 | 111,130 | 112,175 | 58,438 | 40,303 | 8,868 | 12,668 | 15,917 | 11,956 | 31,660 | 20,053 | 353,452 |
| Sole, petrale..... | 35,135 | 20,987 | 30,176 | 91,820 | 84,878 | 112,108 | 30,080 | 33,567 | 36,212 | 10,138 | 44,308 | 94,692 | 632,711 |
| Sole, rex..... | 17,870 | 10,865 | 16,775 | 8,885 | 12,177 | 13,259 | 26,622 | 30,739 | 33,270 | 28,979 | 33,242 | 31,983 | 261,597 |

MARINE RESEARCH CENTER

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TABLE 12
 Monthly Landings of Commercial Fishing Boats Into the Santa Barbara Area During 1962

TABLE 12—Continued
Monthly Landings of Commercial Fishing Boats Into the Santa Barbara Area During 1962

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|
| LANDINGS FROM:—Continued | | | | | | | | | | | | | |
| California Waters—Continued | | | | | | | | | | | | | |
| Fish:—Continued | | | | | | | | | | | | | |
| Sole, sand | | | | | | | | | | | 232 | 1,584 | 1,816 |
| Sole, misclassified | 507 | 205 | | 138 | | | 4 | | 26 | 401 | 281 | 696 | 2,281 |
| Swordfish | | | | | | | | 158 | 351 | | | | 509 |
| Tuna, albacore | | | | | | 1,450 | 1,419 | 385,253 | 242,413 | 328,141 | 15,603 | | 984,289 |
| Turbot | | | | | | | | | 630 | 3,517 | 1,160 | | 1,916 |
| Whitefish, ocean | | | | | | | 9 | | | | | | 16 |
| Yellowtail, California | | | | | | | | 12 | 18 | | | 13 | 82 |
| Miscellaneous | 39 | | | | | | 19 | 18 | 2 | | | | 78 |
| Miscellaneous (animal food) | 76,852 | 56,159 | 57,599 | 110,897 | 121,495 | 126,762 | 71,242 | 179,010 | 168,207 | 84,718 | 151,977 | 116,980 | 1,327,859 |
| Crustacean: | | | | | | | | | | | | | |
| Crab, market | 796 | 1,713 | 515 | 1,115 | 3,522 | 1,798 | | | | | 287 | 12 | 9,668 |
| Crab, rock | 10,592 | 8,802 | 8,988 | 4,304 | 20,016 | 13,638 | 21,585 | 13,526 | 9,886 | 3,088 | 3,570 | 12,583 | 129,678 |
| Lobster, spiny | 21,768 | 20,910 | 10,721 | | | | | | | 19,350 | 20,699 | 27,321 | 115,786 |
| Shrimp, unclassified | | | | | | | 2,624 | | | | | | 2,624 |
| Mollusk: | | | | | | | | | | | | | |
| Abalone | 184,313 | | 97,069 | 280,397 | 356,108 | 312,515 | 342,344 | 230,014 | 279,292 | 259,680 | 177,329 | 318,283 | 2,867,371 |
| Octopus | | 120 | | | | 75 | | 50 | 353 | | | | 640 |
| Oyster, giant Pacific | 125,950 | 90,925 | 174,775 | 110,150 | 16,300 | 42,900 | 26,300 | 38,175 | 40,150 | 83,500 | 124,180 | 189,300 | 1,062,605 |
| Sea snail | | | | | | | 190 | | 296 | 40 | | 64 | 125 |
| Squid | 1,407,900 | 462,500 | 35,000 | | | | | | | | | | 1,884,900 |
| Grand total | 4,855,229 | 1,360,706 | 1,239,641 | 1,930,234 | 1,635,895 | 1,968,384 | 1,604,551 | 2,070,079 | 2,358,231 | 4,294,091 | 3,065,041 | 2,940,652 | 29,322,734 |

U.S. DEPARTMENT OF COMMERCE

TABLE 12
Monthly Landings of Commercial Fishing Boats Into the Santa Barbara Area During 1962

TABLE 13
 Monthly Landings and Shipments of Commercial Fish Into the Los Angeles Area During 1962

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|-----------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|-----------|--------------|
| LANDINGS FROM: | | | | | | | | | | | | | |
| California Waters: | | | | | | | | | | | | | |
| Fish: | | | | | | | | | | | | | |
| Anchovy..... | 330,000 | 94,445 | 119,825 | 150,721 | 153,115 | 296,315 | 121,907 | 97,969 | 52,265 | 78,600 | 37,699 | 31,550 | 1,531,398 |
| Bararanda, California..... | 38,281 | 132 | 49,994 | 49,360 | 95,387 | 117,318 | 43,122 | 4,734 | 6,809 | 16,706 | 4,001 | 190 | 446,424 |
| Bonito, Pacific..... | 297,723 | 128,321 | 40,559 | 44,990 | 3,839 | 9,874 | 78,722 | 298,296 | 24,152 | 194,206 | 398,360 | 693,640 | 1,542,982 |
| Carp..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1,290 | 1,900 | 2,290 |
| Croaker, white..... | 29,776 | 25,310 | 32,728 | 33,259 | 195,938 | 29,822 | 83,394 | 39,439 | 62,865 | 15,648 | 47,075 | 7,880 | 698,334 |
| Flounder..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Halibut..... | ..... | ..... | ..... | ..... | 108 | ..... | 8,070 | 5,116 | 1,070 | ..... | ..... | ..... | 14,964 |
| Halibut, California..... | 26,660 | 32,677 | 89,413 | 16,338 | 21,497 | 9,144 | 2,909 | 11,847 | 4,572 | 14,725 | 25,174 | 28,053 | 312,239 |
| Hardhead..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1,575 | 5,850 |
| Herring, Pacific..... | ..... | ..... | 38 | 46 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 84 |
| Herring, Pacific round..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4,250 | ..... | 4,250 |
| Langost..... | 25 | ..... | ..... | ..... | 26 | 18 | ..... | ..... | ..... | ..... | ..... | ..... | 136 |
| Mackerel, jack..... | 8,723,130 | 3,249,698 | 4,096,870 | 3,611,768 | 6,462,888 | 5,174,690 | 2,095,694 | 295,440 | 644,656 | 19,366,032 | 18,974,007 | 5,838,193 | 78,352,946 |
| Mackerel, Pacific..... | 5,714,509 | 3,228,459 | 486,108 | 909,257 | 3,742,006 | 1,877,871 | 3,225,490 | 4,366,765 | 1,515,208 | 9,572,266 | 5,616,438 | ..... | 3,046,243 |
| Opaleye..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1,253 |
| Perch..... | 2,396 | 497 | 4,323 | 2,295 | 525 | ..... | 162 | 84 | 158 | 54 | 585 | ..... | 1,605 |
| Porcupine, Pacific..... | 250 | 35 | 508 | 1,055 | 1,500 | 551 | 10,114 | 15,963 | 4,009 | 787 | 31 | 49 | 38,141 |
| Rockfish..... | 45,698 | 28,900 | 69,482 | 47,015 | 35,747 | 27,806 | 4,011 | 8,917 | 2,658 | 20,769 | 31,353 | 56,288 | 380,124 |
| Sablefish..... | 51 | 235 | 340 | 23 | ..... | ..... | 103 | 47 | 13 | ..... | ..... | ..... | 290 |
| Salmon..... | ..... | ..... | ..... | ..... | ..... | ..... | 11,253 | ..... | ..... | ..... | ..... | ..... | 11,253 |
| Sardine..... | 56 | 22 | 21 | ..... | 143 | 4 | 319 | 13 | ..... | ..... | ..... | ..... | 90 |
| Sardine..... | 3,164,778 | 3,065,924 | 331,405 | 812,683 | 780,785 | 348,775 | 294,961 | 298,315 | 101,885 | 756,814 | 211,147 | 342,151 | 10,527,066 |
| Sealpin..... | 19 | 16 | 24 | 2,635 | 803 | 436 | 2,902 | 1,822 | 1,347 | 1,380 | 558 | 89 | 12,922 |
| Sea bass, giant..... | 139 | 241 | 228 | 41 | 334 | 126 | 901 | 976 | 246 | 623 | 60 | 697 | 4,812 |
| Sea bass, white..... | 943 | 1,713 | 4,243 | 6,381 | 11,604 | 31,631 | 17,813 | 25,805 | 5,707 | 1,423 | 3,520 | 2,174 | 113,047 |
| Shark..... | 21,969 | 10,773 | 10,312 | 23,865 | 32,080 | 55,096 | 29,254 | 19,577 | 6,116 | 13,723 | 24,313 | 30,276 | 276,355 |
| Sheepshead, California..... | 923 | 1,017 | 72 | 68 | 32 | 294 | 11 | 1,156 | 129 | 513 | 264 | 42 | 4,533 |
| Skate..... | ..... | ..... | ..... | 8 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 8 |
| Squid..... | 355 | 22 | 7,040 | 953 | 308 | ..... | 120 | 9,539 | 3,523 | 260 | 1,250 | 13,495 | 5,430 |
| Sole, English..... | 50 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 50 |

MAJORITY FISH CATCH FROM 1962

TABLE 13
 Monthly Landings and Shipments of Commercial Fish Into the Los Angeles Area During 1962

TABLE 13—Continued
Monthly Landings and Shipments of Commercial Fish Into the Los Angeles Area During 1962

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|------------------------------------|------------|-----------|-----------|-----------|------------|-----------|------------|------------|------------|------------|------------|------------|--------------|
| LANDINGS FROM:—Continued | | | | | | | | | | | | | |
| California Waters—Continued | | | | | | | | | | | | | |
| Fish—Continued | | | | | | | | | | | | | |
| Sole, petrale | --- | --- | --- | --- | 403 | --- | --- | --- | --- | --- | --- | --- | 403 |
| Sole, miscellaneous | 48 | 78 | 154 | 19 | 270 | 722 | 70 | 54 | 135 | 30 | 61 | 73 | 1,714 |
| Swordfish | --- | --- | --- | --- | --- | 242 | 6,969 | 17,410 | 2,221 | --- | --- | --- | 27,665 |
| Tuna, albacore | --- | --- | --- | --- | --- | 12,728 | 4,450,491 | 7,284,147 | 3,659,808 | 3,014,386 | 347,569 | --- | 18,760,187 |
| Tuna, bluefin | --- | --- | --- | --- | --- | 119,870 | 3,994,973 | 6,250,116 | 4,063,702 | 2,539,000 | --- | --- | 17,906,661 |
| Tuna, yellowfin | --- | --- | --- | --- | --- | --- | 17 | --- | --- | --- | --- | --- | 17 |
| Turbot | --- | --- | --- | --- | --- | --- | --- | 90 | --- | --- | --- | --- | 90 |
| Whitefish, ocean | 196 | --- | 805 | 5 | --- | 86 | 31 | 90 | --- | --- | --- | 230 | 1,443 |
| Yellowtail, California | 1,412 | 717 | 196 | 1,000 | 384 | 2,181 | 982 | 2,008 | 982 | 942 | 223 | --- | 13,737 |
| Miscellaneous | --- | --- | --- | 153 | --- | 172 | 132 | 66 | --- | --- | --- | --- | 523 |
| Crustacean: | | | | | | | | | | | | | |
| Crab, rock | 2,531 | 1,688 | 4,478 | 5,304 | 6,083 | 5,379 | 7,368 | 6,337 | 7,506 | 4,199 | 6,158 | 6,732 | 63,891 |
| Lobster, spiny | 26,262 | 22,474 | 18,716 | --- | --- | --- | --- | --- | --- | 80,939 | 56,387 | 37,240 | 251,018 |
| Mollusk: | | | | | | | | | | | | | |
| Ahalone | 54,912 | --- | 25,375 | 80,605 | 86,187 | 136,350 | 169,599 | 77,280 | 111,050 | 120,624 | 97,758 | 104,125 | 1,063,865 |
| Clam, unclassified | --- | --- | --- | --- | --- | --- | --- | --- | 15 | --- | --- | --- | 15 |
| Octopus | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 26 |
| Squid | 1,348,705 | 56,524 | 30,925 | 18,000 | 2,700 | 25,299 | 540 | 1,500 | 4,200 | 10,962 | 110,460 | 136,767 | 1,755,642 |
| Total pounds | 19,760,889 | 9,977,007 | 5,802,970 | 5,848,399 | 11,636,662 | 8,264,671 | 14,573,399 | 18,962,047 | 10,314,406 | 35,835,701 | 25,923,777 | 10,387,301 | 177,287,399 |
| Waters South of State: | | | | | | | | | | | | | |
| Fish: | | | | | | | | | | | | | |
| Barracuda, California | --- | 10,102 | 56,354 | 250 | --- | 295 | --- | --- | --- | --- | 73,571 | 24,609 | 195,181 |
| Basin, rock | --- | 339 | --- | 540 | --- | --- | --- | --- | --- | --- | --- | --- | 1,470 |
| Bonito, Pacific | --- | 3,568 | --- | --- | 31,226 | 16,200 | 110 | --- | --- | --- | --- | --- | 51,304 |
| Calappa, spotted | 15,959 | --- | --- | 1,807 | --- | --- | --- | --- | --- | --- | 865 | 365 | 28,853 |
| Dolphinfish | --- | 212 | --- | --- | --- | --- | --- | --- | --- | --- | 1,730 | 8,997 | 11,141 |
| Groupers | 22,068 | 44,150 | 14,200 | --- | 10,140 | 2,806 | 10,295 | 4,355 | --- | 23,190 | 78,043 | 86,276 | 290,613 |
| Halter, California | --- | 290 | 250 | --- | --- | --- | --- | --- | 171 | 51 | 58 | 8 | 867 |
| Lingcod | --- | 97 | --- | --- | --- | --- | --- | --- | 86 | 172 | 36 | --- | 391 |
| Mackerel, Pacific | --- | --- | 350 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 420 |
| Perch | --- | --- | 8 | 20 | --- | --- | --- | --- | --- | 63 | 151 | --- | 242 |

PSM: MICHIGAN: 135

TABLE 13
Monthly Landings and Shipments of Commercial Fish Into the Los Angeles Area During 1962

| | | | | | | | | | | | | | |
|-------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| Rockfish | 40,368 | 15,976 | 27,823 | 34,231 | 22,101 | 2,060 | ..... | ..... | ..... | 14,012 | 11,113 | 10,933 | 178,917 |
| Sardine | ..... | 20,000 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 50,000 |
| Sea bass, giant | 43,905 | 28,729 | 20,747 | 11,576 | 18,720 | 14,631 | 18,442 | 40,000 | 19,565 | 26,792 | 62,668 | 48,252 | 388,997 |
| Sea bass, white | 14,822 | 10,168 | 3,125 | 3,332 | ..... | ..... | ..... | ..... | 744 | 43,123 | 114,990 | 51,052 | 214,356 |
| Shark | 667 | 1,818 | 2,154 | 3,890 | ..... | 1,520 | ..... | ..... | 474 | 580 | 3,171 | ..... | 16,736 |
| Sheepshead, California | 155 | 32 | 45 | ..... | ..... | ..... | ..... | ..... | 161 | 1,038 | 871 | 138 | 2,460 |
| Sierra | ..... | 33 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 25 |
| Skate | ..... | 14 | 4 | ..... | ..... | ..... | ..... | ..... | 33 | ..... | ..... | ..... | 51 |
| Swordfish | ..... | ..... | ..... | ..... | ..... | 1,532 | ..... | ..... | 115 | 127 | ..... | ..... | 2,124 |
| Tuna, albacore | ..... | ..... | ..... | ..... | ..... | ..... | 435,337 | 108,723 | 8,320 | 25,958 | 22,197 | ..... | 600,535 |
| Tuna, bluefin | ..... | 43,133 | 187,478 | 8,434 | 150,861 | 2,229,291 | 2,249,016 | 3,132,117 | 1,811,328 | 2,049,942 | 1,054,206 | 16,487 | 12,942,293 |
| Tuna, skipjack | 8,494,601 | 5,550,855 | 7,094,744 | 5,002,030 | 4,268,044 | 3,228,853 | 8,251,799 | 4,096,980 | 4,086,700 | 3,387,177 | 5,645,503 | 4,293,749 | 69,209,816 |
| Tuna, yellowfin | 8,818,272 | 6,790,802 | 11,338,427 | 16,113,233 | 15,771,016 | 13,060,343 | 7,593,815 | 2,183,775 | 1,529,157 | 3,817,165 | 4,849,462 | 10,222,771 | 101,325,258 |
| Walleye | ..... | 5,690 | ..... | ..... | 16,897 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 22,533 |
| Whitefish, ocean | 733 | 1,784 | 525 | 1,559 | 690 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 5,591 |
| Yellowtail, California | 2,582 | 13,273 | 17,392 | 19,358 | 230 | 4,946 | 2,217 | ..... | ..... | 18,340 | 34,538 | 985 | 114,963 |
| Miscellaneous | ..... | 32 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 37 | 69 |
| Crustacean: | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1,206 |
| Lobster, spiny | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1,206 |
| Total pounds | 17,454,132 | 12,620,218 | 19,379,675 | 21,200,460 | 20,327,135 | 20,634,646 | 18,290,951 | 10,162,365 | 7,776,926 | 11,407,663 | 11,948,503 | 14,880,458 | 185,963,072 |
| SHIPMENTS: ^a | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Fish: | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Subfish | 80,000 | ..... | ..... | ..... | 10,785 | 1,595 | 15,436 | 46,633 | ..... | ..... | ..... | ..... | 134,449 |
| Salmon | ..... | 20,202 | 36,442 | ..... | 3,649 | 926 | 904 | 42,952 | 49,723 | 31,763 | 22,074 | ..... | 297,735 |
| Shad | ..... | ..... | ..... | ..... | ..... | 10,086 | ..... | 11,642 | 6,446 | ..... | ..... | ..... | 40,114 |
| Shark | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 10,629 | 10,629 |
| Sturgeon | 6,080 | 612 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 6,692 |
| Tuna, albacore | 2,390,002 | 5,776,951 | 6,475,415 | 5,618,562 | 1,375,805 | 598,117 | 145,018 | 356,273 | 3,241,466 | 1,284,288 | 1,514,565 | 2,414,928 | 31,101,480 |
| Tuna, bluefin | 38,460 | 24,046 | ..... | ..... | 80,020 | 37,725 | 172,298 | 101,137 | 40,455 | ..... | ..... | ..... | 503,051 |
| Tuna, skipjack | ..... | ..... | 90,900 | ..... | ..... | 81,857 | 120,977 | 867,873 | 42,574 | ..... | ..... | ..... | 1,211,441 |
| Tuna, yellowfin | ..... | ..... | 10,297 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 12,927 |
| Tuna, oriental | 97,101 | 21,708 | 190,069 | 111,281 | 24,387 | 8,741 | 111,794 | 822,582 | 417,734 | ..... | 226,190 | ..... | 2,197,747 |
| Tuna, skipjack | ..... | ..... | 190,069 | 111,281 | 24,387 | 8,741 | 111,794 | 822,582 | 417,734 | ..... | 226,190 | ..... | 63,048,863 |
| Tuna, yellowfin | 2,947,486 | 2,536,849 | 5,037,572 | 6,690,232 | 9,074,056 | 9,652,660 | 4,998,754 | 8,861,123 | 4,663,391 | 2,810,091 | 3,291,759 | 3,192,628 | 173,667 |
| Miscellaneous | ..... | ..... | 5,600 | ..... | 10,600 | 14,390 | 36,705 | 7,475 | 43,409 | 5,810 | ..... | ..... | 173,667 |
| Mollusk: | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Clam, Pismo | 315,750 | ..... | 196,880 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 41,640 | 464,280 |
| Total pounds | 5,764,889 | 8,380,368 | 12,777,435 | 12,440,175 | 10,807,717 | 10,424,287 | 4,677,093 | 11,068,645 | 8,451,831 | 4,131,982 | 5,054,588 | 5,709,503 | 99,708,475 |
| Grand total | 42,979,910 | 30,977,593 | 37,960,070 | 38,489,634 | 42,771,514 | 39,323,504 | 37,451,445 | 40,213,057 | 26,543,253 | 31,375,256 | 42,928,868 | 30,977,352 | 462,868,856 |

^a For origin of shipments refer to Table 6.

MARINE FISH CATCH FROM 1962

TABLE 13—Cont'd.

TABLE 14
Monthly Landings and Shipments of Commerical Fish Into the San Diego Area During 1962

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|-----------------------------|---------|----------|--------|--------|--------|--------|-----------|-----------|-----------|---------|----------|----------|--------------|
| LANDINGS FROM: | | | | | | | | | | | | | |
| California Waters: | | | | | | | | | | | | | |
| Fish: | | | | | | | | | | | | | |
| Anchovy..... | 52 | 36 | 259 | 252 | 19,051 | 3,960 | 937 | 594 | 625 | 10 | 48 | ... | 307 |
| Barracuda, California..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 96 |
| Bonito, Pacific..... | 2,671 | 165 | 389 | 797 | 1,939 | 1,272 | 21,715 | 36,565 | 12,946 | 26,567 | 7,331 | 6,826 | 121,886 |
| Craker, white..... | 205 | ... | 170 | 85 | 665 | 467 | 932 | ... | 419 | 276 | ... | ... | 60 |
| Hake, Pacific..... | ... | ... | ... | ... | ... | ... | 245 | ... | ... | ... | ... | ... | 245 |
| Halibut..... | ... | ... | ... | ... | ... | ... | ... | 610 | 1,464 | ... | ... | ... | 2,074 |
| Halibut, California..... | 14,535 | 17,242 | 13,854 | 11,169 | 7,986 | 6,634 | 1,949 | 6,735 | 26,345 | 46,529 | 23,187 | 17,094 | 192,571 |
| Langcod..... | ... | ... | ... | 10 | ... | ... | ... | ... | ... | ... | ... | ... | 23 |
| Mackerel, Pacific..... | 623 | 5,143 | 3,872 | 2,422 | 5,447 | 670 | 1,185 | ... | 11,791 | 3,836 | 1,950 | ... | 737 |
| Oshpre..... | ... | ... | ... | ... | ... | ... | ... | ... | 387 | ... | ... | ... | 411 |
| Pork..... | ... | ... | ... | ... | ... | ... | 1,430 | ... | 330 | ... | ... | ... | 1,760 |
| Rockfish..... | 16,704 | 2,897 | 14,773 | 19,437 | 9,588 | 19,809 | 11,874 | 10,410 | 13,578 | 7,999 | 9,710 | 17,733 | 154,312 |
| Sablefish..... | ... | ... | ... | ... | 68 | ... | ... | ... | 82 | ... | ... | ... | 150 |
| Salmon..... | ... | ... | ... | ... | ... | ... | ... | ... | 19 | ... | ... | ... | 19 |
| Sandlabb..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 23 |
| Sculpin..... | 5,235 | 808 | 3,066 | 5,829 | 8,274 | 3,072 | 6,458 | ... | 82 | 7,322 | 4,415 | 916 | 45,685 |
| Sea bass, giant..... | 12 | ... | 267 | 294 | 510 | 663 | 187 | ... | 450 | 101 | 16 | ... | 2,298 |
| Seabass, white..... | 1,478 | 1,635 | 2,236 | 409 | 11,471 | 10,570 | 2,999 | 5,726 | 4,528 | 394 | 349 | 978 | 42,303 |
| Shark..... | 5,499 | 3,138 | 10,089 | 17,346 | 16,732 | 17,538 | 8,467 | 9,123 | 8,556 | 6,063 | 10,149 | 11,847 | 106,127 |
| Sheepshead, California..... | 2,800 | 290 | 801 | 87 | ... | 218 | 17 | 1,839 | 60 | 746 | 268 | ... | 3,191 |
| Sole, miscellaneous..... | 56 | 97 | ... | ... | ... | 2,089 | 1,480 | 1,395 | 2,727 | 1,673 | 124 | ... | 9,441 |
| Swordfish..... | ... | ... | ... | ... | ... | ... | 1,820 | 1,312 | 967 | ... | ... | ... | 3,499 |
| Tuna, albacore..... | ... | ... | ... | ... | ... | 10,278 | 2,121,377 | 2,732,322 | 1,587,662 | 159,110 | 15,334 | ... | 6,726,983 |
| Tuna, bigeye..... | ... | ... | ... | ... | ... | ... | 2,465 | 39,507 | 18 | ... | ... | ... | 32,999 |
| Tuna, yellowfin..... | ... | ... | ... | ... | 23 | ... | ... | ... | ... | ... | ... | ... | ... |
| Whitefish, ocean..... | 503 | 104 | 122 | ... | 20 | ... | 95 | ... | ... | ... | 17 | ... | 861 |
| Yellowtail, California..... | 120 | 13 | 321 | 24 | 4,522 | 12,697 | 1,362 | 812 | 2,999 | ... | 614 | ... | 23,184 |
| Miscellaneous..... | ... | ... | ... | ... | 36 | ... | 31 | 20 | ... | 3 | 20 | ... | 190 |
| Crustacean: | | | | | | | | | | | | | |
| Crab, rock..... | 104 | 484 | 56 | ... | ... | ... | 80 | ... | ... | 1,444 | 166 | 894 | 3,138 |
| Loleter, spiny..... | 16,298 | 6,509 | 7,136 | ... | ... | ... | ... | ... | ... | 57,763 | 35,345 | 21,844 | 145,012 |

FISH MARKET

TABLE 14
Monthly Landings and Shipments of Commerical Fish Into the San Diego Area During 1962

TABLE 15
Value of Landings and Shipments of Commercial Fish Into California by Area, 1962

| Species | Eureka | San Francisco* | Monterey | Santa Barbara | Los Angeles | San Diego | Total |
|-----------------------------|----------|----------------|-----------|---------------|-------------|-----------|-------------|
| LANDINGS: | | | | | | | |
| Fish: | | | | | | | |
| Anchovy..... | | 11,381 | 1,188,097 | 29,910 | 1,534,308 | 307 | 2,764,003 |
| Barracuda, California..... | | \$488 | \$23,881 | \$1,427 | \$24,242 | \$12 | \$50,050 |
| Bass, rock..... | | | | 49,732 | 641,605 | 55,139 | 746,476 |
| Bonito, Pacific..... | | | | \$7,628 | \$94,380 | \$7,918 | \$109,926 |
| Cabezon..... | | | | | 1,470 | | 1,470 |
| Cabrilla, spotted..... | | | | | \$305 | | \$305 |
| Carp..... | | 110 | 7,920 | 1,993,386 | 133,486 | | 2,134,902 |
| Croaker, white..... | | 112 | 1,920 | \$7 | \$307 | \$5,647 | \$92,772 |
| Dolphinfish..... | | \$3 | \$148 | \$24 | | | 2,474 |
| Flounder..... | 151,724 | 147,652 | 38,505 | | 28,493 | 365 | 28,858 |
| Flounder, arrowtooth..... | \$7,389 | \$7,811 | \$3,789 | | \$3,909 | \$60 | \$3,969 |
| Flyingfish..... | 46,051 | 7,275 | | | 2,260 | | 220,972 |
| Greenling, kelp..... | \$2,187 | \$280 | | | \$113 | | \$10,851 |
| Grouper..... | | | | | 605,334 | 3,484 | 687,633 |
| Hake, Pacific..... | | | | | \$235 | \$327 | \$25,076 |
| Halibut, California..... | | | | | 33 | 212 | 245 |
| Halibut, Pacific..... | | | | | \$3 | \$36 | \$39 |
| Hardhead..... | | | | | 311 | | 338,192 |
| Herring, Pacific..... | | | | | \$17 | | \$19,066 |
| Herring, Pacific round..... | | | | | | | 53,326 |
| Lingcod..... | 622,474 | 301,967 | 101,428 | | | | \$2,467 |
| Mackerel, jack..... | \$48,491 | \$23,130 | \$10,295 | | 14,364 | | 14,364 |
| Mackerel, Pacific..... | | | | | \$1,447 | | \$1,447 |
| Opaleye..... | | | | | | | 681 |
| Perch..... | | | | | \$2 | | \$34 |
| Pompano, Pacific..... | | | | | 290,613 | 20,478 | 311,091 |
| Rockfish..... | | | | | \$59,808 | \$4,452 | \$64,260 |
| Sablefish..... | | | | | | 245 | 78,530 |
| Salmon..... | | | | | | \$25 | \$1,326 |
| Sanddab..... | | | | | 6,462 | 2,074 | 8,536 |
| Sardine..... | | | | | \$1,478 | \$297 | \$1,775 |
| Sculpin..... | | | | | 314,046 | 278,773 | 863,086 |
| Sea bass, giant..... | | | | | \$34,344 | \$78,418 | \$207,728 |
| Seabass, white..... | | | | | | | 3,546 |
| Shark..... | | | | | | | \$1,072 |
| Sheephead, California..... | | | | | | | 128,230 |
| Sierra..... | | | | | | | \$25,646 |
| | | | | | | | 1,305,569 |
| | | | | | | | \$48,571 |
| | | | | | | | 4,250 |
| | | | | | | | \$298 |
| | | | | | | | 661 |
| | | | | | | | 33 |
| | | | | | | | 1,112,204 |
| | | | | | | | \$3 |
| | | | | | | | \$70 |
| | | | | | | | 78,352,946 |
| | | | | | | | \$1,645,417 |
| | | | | | | | 43,670,950 |
| | | | | | | | \$938,926 |
| | | | | | | | \$1,782 |
| | | | | | | | 40,679 |
| | | | | | | | 48,578,820 |
| | | | | | | | \$1,026,963 |
| | | | | | | | 1,263 |
| | | | | | | | 411 |
| | | | | | | | \$152 |
| | | | | | | | \$30 |
| | | | | | | | 165,115 |
| | | | | | | | \$23,689 |
| | | | | | | | 35,990 |
| | | | | | | | \$303 |
| | | | | | | | \$49 |
| | | | | | | | \$10,745 |
| | | | | | | | \$152 |
| | | | | | | | \$30 |
| | | | | | | | 416,894 |
| | | | | | | | 9,834,393 |
| | | | | | | | \$104,339 |
| | | | | | | | \$155,226 |
| | | | | | | | \$109,693 |
| | | | | | | | \$66,601 |
| | | | | | | | \$17,356 |
| | | | | | | | \$573,087 |
| | | | | | | | 1,072 |
| | | | | | | | 150 |
| | | | | | | | 2,015,237 |
| | | | | | | | \$9 |
| | | | | | | | \$111,692 |
| | | | | | | | \$9 |
| | | | | | | | 6,672,861 |
| | | | | | | | \$8 |
| | | | | | | | \$4,023,037 |
| | | | | | | | 266 |
| | | | | | | | 23 |
| | | | | | | | 679,911 |
| | | | | | | | \$3 |
| | | | | | | | \$48,301 |
| | | | | | | | 15,362,952 |
| | | | | | | | \$490,329 |
| | | | | | | | \$7,951 |
| | | | | | | | \$10,823 |
| | | | | | | | \$163 |
| | | | | | | | \$64,457 |
| | | | | | | | \$8,252 |
| | | | | | | | \$72,872 |
| | | | | | | | \$1,609 |
| | | | | | | | 2,400 |
| | | | | | | | 39,308 |
| | | | | | | | 354,403 |
| | | | | | | | 166,688 |
| | | | | | | | \$3,760 |
| | | | | | | | \$817 |
| | | | | | | | \$14,815 |
| | | | | | | | \$108,908 |
| | | | | | | | \$48,473 |
| | | | | | | | \$176,773 |
| | | | | | | | \$64,498 |
| | | | | | | | \$118,813 |
| | | | | | | | \$293,091 |
| | | | | | | | \$122,106 |
| | | | | | | | \$75,177 |
| | | | | | | | \$10,551 |
| | | | | | | | \$36,682 |
| | | | | | | | \$12,990 |
| | | | | | | | \$69,465 |
| | | | | | | | \$431 |
| | | | | | | | 6,993 |
| | | | | | | | 12,903 |
| | | | | | | | 20,327 |
| | | | | | | | \$1,183 |
| | | | | | | | \$35 |
| | | | | | | | \$60 |
| | | | | | | | \$1,700 |
| | | | | | | | \$95 |
| | | | | | | | \$7 |
| | | | | | | | \$3 |
| | | | | | | | \$10 |

TABLE 15
Value of Landings and Shipments of Commercial Fish Into California by Area, 1962

TABLE 15—Continued
Value of Landings and Shipments of Commercial Fish Into California by Area, 1962

| Species | Eureka | San Francisco* | Monterey | Santa Barbara | Los Angeles | San Diego | Total |
|-------------------------------------|-----------|----------------|-----------|---------------|--------------|-------------|--------------|
| LANDINGS:--Continued | | | | | | | |
| Fish:--Continued | | | | | | | |
| Skate..... | 8,745 | 97,290 | 75,691 | 393 | 59 | .... | 182,178 |
| ..... | \$29 | \$1,138 | \$1,195 | \$24 | \$9 | .... | \$2,395 |
| Smelt..... | 209,223 | 66,195 | 21,554 | 258 | 42,268 | .... | 339,498 |
| ..... | \$10,820 | \$9,245 | \$1,629 | \$12 | \$1,190 | .... | \$22,896 |
| Smelt, whitebait..... | 143,032 | 21,656 | 23,669 | .... | .... | .... | 188,357 |
| ..... | \$10,756 | \$2,746 | \$3,238 | .... | .... | .... | \$16,740 |
| Sole, Dover..... | 6,867,380 | 1,459,052 | 57,872 | 196,787 | .... | .... | 8,581,091 |
| ..... | \$423,031 | \$79,080 | \$2,888 | \$11,807 | .... | .... | \$516,806 |
| Sole, English..... | 1,178,203 | 2,204,488 | 269,855 | 553,452 | 50 | .... | 4,206,048 |
| ..... | \$87,541 | \$158,723 | \$19,018 | \$36,639 | \$5 | .... | \$302,526 |
| Sole, petrale..... | 1,332,770 | 908,468 | 166,822 | 632,711 | 403 | .... | 2,941,164 |
| ..... | \$154,335 | \$113,375 | \$20,019 | \$71,027 | \$40 | .... | \$361,796 |
| Sole, rex..... | 549,964 | 491,464 | 102,520 | 264,297 | .... | .... | 1,408,245 |
| ..... | \$38,718 | \$32,880 | \$5,239 | \$16,703 | .... | .... | \$93,540 |
| Sole, sand..... | 53,827 | 140,922 | .... | 1,816 | .... | .... | 196,565 |
| ..... | \$5,334 | \$13,546 | .... | \$218 | .... | .... | \$19,898 |
| Sole, miscellaneous..... | 2,592 | 22,385 | 29,851 | 2,261 | 1,714 | 9,641 | 68,444 |
| ..... | \$92 | \$571 | \$2,892 | \$167 | \$214 | \$2,373 | \$6,309 |
| Splittail..... | .... | 1,580 | .... | .... | .... | .... | 1,580 |
| ..... | .... | \$133 | .... | .... | .... | .... | \$133 |
| Swordfish..... | .... | .... | .... | 509 | 29,159 | 9,289 | 39,957 |
| ..... | .... | .... | .... | \$270 | \$15,317 | \$4,844 | \$20,431 |
| Tomcod, Pacific..... | .... | 375 | .... | .... | .... | .... | 375 |
| ..... | .... | \$13 | .... | .... | .... | .... | \$13 |
| Tuna, albacore..... | 1,376,664 | 1,504,558 | 2,685,605 | 984,269 | 19,369,722 | 10,701,557 | 36,622,375 |
| ..... | \$187,915 | \$205,222 | \$386,190 | \$135,731 | \$3,265,735 | \$1,858,800 | \$9,039,583 |
| Tuna, bluefin..... | .... | .... | .... | .... | 29,948,954 | 1,250,997 | 31,199,951 |
| ..... | .... | .... | .... | .... | \$4,204,834 | \$162,755 | \$4,367,589 |
| Tuna, skipjack..... | .... | .... | .... | .... | 69,309,816 | 23,411,220 | 92,721,036 |
| ..... | .... | .... | .... | .... | \$8,878,587 | \$3,043,459 | \$11,922,046 |
| Tuna, yellowfin..... | .... | .... | .... | .... | 101,538,255 | 22,482,500 | 124,020,755 |
| ..... | .... | .... | .... | .... | \$15,372,892 | \$3,379,120 | \$18,752,012 |
| Turbot..... | 3,433 | 69,777 | 70 | 7,013 | 90 | .... | 80,383 |
| ..... | \$341 | \$3,949 | \$1 | \$411 | \$5 | .... | \$4,710 |
| Wahoo..... | .... | .... | .... | .... | 22,533 | 975 | 23,508 |
| ..... | .... | .... | .... | .... | \$7,668 | \$156 | \$7,824 |
| Whitefish, ocean..... | .... | .... | .... | 16 | 6,944 | 5,042 | 12,002 |
| ..... | .... | .... | .... | \$1 | \$434 | \$75 | \$810 |
| Yellowtail, California..... | .... | .... | .... | 125 | 127,820 | 60,476 | 188,421 |
| ..... | .... | .... | .... | \$16 | \$11,465 | \$4,511 | \$15,992 |
| Miscellaneous..... | 17 | 3,678 | 7 | 78 | 592 | 180 | 4,532 |
| ..... | \$1 | \$98 | \$4 | \$12 | \$128 | \$29 | \$272 |
| Miscellaneous (animal food)..... | 350,402 | 79,055 | 122,495 | 1,327,859 | .... | .... | 1,879,811 |
| ..... | \$7,008 | \$1,581 | \$2,450 | \$26,558 | .... | .... | \$37,597 |
| Crustacean: | | | | | | | |
| Crab, market..... | 1,851,454 | 1,349,152 | 12,306 | 9,668 | .... | .... | 3,222,580 |
| ..... | \$446,386 | \$117,967 | \$4,089 | \$3,602 | .... | .... | \$872,044 |
| Crab, rock..... | 3,400 | 245 | 152 | 129,678 | 63,691 | 3,138 | 200,304 |
| ..... | .... | \$12 | \$8 | \$9,363 | \$6,904 | \$115 | \$16,402 |
| Lobster, spiny..... | .... | .... | .... | 119,786 | 252,224 | 145,012 | 517,022 |
| ..... | .... | .... | .... | \$81,311 | \$175,373 | \$97,231 | \$353,915 |
| Prawn..... | .... | .... | 694 | .... | .... | .... | 694 |
| ..... | .... | .... | \$120 | .... | .... | .... | \$120 |
| Shrimp, bay..... | .... | 1,075 | .... | .... | .... | .... | 1,075 |
| ..... | .... | \$140 | .... | .... | .... | .... | \$140 |
| Shrimp, ocean..... | 1,537,708 | 245,247 | .... | .... | .... | .... | 1,782,955 |
| ..... | \$169,916 | \$26,978 | .... | .... | .... | .... | \$196,894 |
| Shrimp, unclassified..... | .... | .... | .... | 2,624 | .... | .... | 2,624 |
| ..... | .... | .... | .... | \$656 | .... | .... | \$656 |
| Mollusk: | | | | | | | |
| Abalone..... | .... | 25,301 | 125 | 2,807,374 | 1,063,865 | 286,516 | 4,183,181 |
| ..... | .... | \$4,489 | \$125 | \$435,017 | \$124,990 | \$28,828 | \$593,449 |
| Clam, gaper..... | .... | .... | 480 | .... | .... | .... | 480 |
| ..... | .... | .... | \$17 | .... | .... | .... | \$17 |
| Clam, jackknife..... | .... | .... | .... | .... | .... | 4,458 | 4,458 |
| ..... | .... | .... | .... | .... | .... | \$1,848 | \$1,848 |
| Clam, Washington..... | 3,185 | .... | .... | .... | .... | .... | 3,185 |
| ..... | \$494 | .... | .... | .... | .... | .... | \$494 |
| Clam, unclassified..... | .... | .... | 240 | .... | 15 | 15 | 270 |
| ..... | .... | .... | \$24 | .... | \$8 | \$8 | \$40 |
| Mussel..... | .... | 7,613 | .... | .... | .... | .... | 7,613 |
| ..... | .... | \$381 | .... | .... | .... | .... | \$381 |

TABLE 15
Value of Landings and Shipments of Commercial Fish Into California by Area, 1962

TABLE 15—Continued
Value of Landings and Shipments of Commercial Fish Into California by Area, 1962

| Species | Eureka | San Francisco* | Monterey | Santa Barbara | Los Angeles | San Diego | Total |
|--------------------------------|--------------------|--------------------|--------------------|---------------------|---------------------|---------------------|---------------------|
| LANDINGS:—Continued | | | | | | | |
| Mollusk:—Continued | | | | | | | |
| Octopus..... | 1,385 | 11,077 | 61 | 640 | 73 | ---- | 13,236 |
| Oyster, eastern..... | \$50 | \$413 | \$7 | \$73 | \$18 | ---- | \$561 |
| Oyster, giant Pacific..... | 9,557,050 | 392,409 | 31,688 | 1,062,605 | ---- | ---- | \$4,717 |
| Sea snail..... | \$238,926 | \$40,889 | \$633 | \$21,253 | ---- | ---- | \$1,043,732 |
| Squid..... | ---- | ---- | ---- | 605 | ---- | ---- | 605 |
| | ---- | ---- | 5,652,857 | \$30 | 1,755,642 | 5,250 | 9,368,149 |
| | ---- | ---- | \$120,971 | \$21,694 | \$24,754 | \$210 | \$167,629 |
| Total pounds..... | 32,985,520 | 16,490,635 | 19,630,286 | 29,322,734 | 363,280,381 | 59,729,674 | 521,439,230 |
| Total value..... | \$4,465,746 | \$2,690,991 | \$1,180,206 | \$1,474,948 | \$35,648,330 | \$8,804,081 | \$51,264,302 |
| SHIPMENTS:† | | | | | | | |
| Fish: | | | | | | | |
| Bonito, Pacific..... | ---- | ---- | ---- | ---- | ---- | 15,000 | 15,000 |
| Sablefish..... | ---- | ---- | ---- | 134,449 | 150 | ---- | 134,449 |
| Salmon..... | 3,350 | ---- | ---- | \$28,759 | 207,735 | ---- | \$28,759 |
| Shad..... | \$1,340 | ---- | ---- | 207,735 | 170,202 | ---- | 211,085 |
| Shark..... | ---- | ---- | ---- | 40,114 | \$4,814 | ---- | \$171,542 |
| Smelt..... | ---- | ---- | 12,240 | 10,629 | 880 | ---- | 40,114 |
| Sturgeon..... | ---- | ---- | \$1,469 | 6,692 | ---- | ---- | \$4,814 |
| Tuna, albacore..... | ---- | 3,905,631 | ---- | \$2,982 | 31,101,480 | 1,724,643 | \$10,629 |
| Tuna, bigeye..... | ---- | \$864,707 | ---- | 5,983,925 | \$372,350 | ---- | \$880 |
| Tuna, bluefin..... | ---- | 968,991 | ---- | 503,051 | ---- | ---- | \$12,240 |
| Tuna, oriental..... | ---- | \$191,763 | ---- | \$72,842 | ---- | ---- | \$1,469 |
| Tuna, skipjack..... | ---- | 500,640 | ---- | 1,211,441 | 4,000 | ---- | 6,692 |
| Tuna, yellowfin..... | ---- | \$98,258 | ---- | \$171,298 | \$500 | ---- | \$2,982 |
| Yellowtail, California..... | ---- | 194,000 | ---- | 10,297 | ---- | ---- | \$3,905,631 |
| Miscellaneous..... | ---- | \$72,575 | ---- | \$1,390 | ---- | ---- | \$864,707 |
| | ---- | 412,214 | ---- | 2,197,747 | 3,728,472 | ---- | 968,991 |
| | ---- | \$63,728 | ---- | \$278,894 | \$477,617 | ---- | \$191,763 |
| | ---- | 21,358,853 | ---- | 63,646,993 | 9,122,609 | ---- | 500,640 |
| | ---- | \$4,570,752 | ---- | \$11,730,122 | \$1,424,952 | ---- | \$98,258 |
| | ---- | ---- | ---- | 9,059 | \$1,057 | ---- | 194,000 |
| | ---- | ---- | ---- | 173,667 | 60,558 | ---- | \$72,575 |
| | ---- | ---- | ---- | 464,280 | 10,446 | ---- | 412,214 |
| | ---- | ---- | ---- | ---- | ---- | ---- | \$63,728 |
| Total pounds..... | 3,350 | 27,339,529 | 12,240 | 98,708,475 | 14,603,783 | 141,667,377 | 21,358,853 |
| Total value..... | \$1,340 | \$5,861,783 | \$1,469 | \$18,517,112 | \$2,276,626 | \$26,658,330 | \$4,570,752 |
| GRAND TOTAL POUNDS..... | 32,988,870 | 43,830,164 | 19,642,526 | 29,322,734 | 462,988,856 | 74,333,457 | 663,106,607 |
| GRAND TOTAL VALUE..... | \$4,467,086 | \$8,552,774 | \$1,181,675 | \$1,474,948 | \$54,165,442 | \$11,080,707 | \$80,922,632 |

* Includes Sacramento area landings.
† For origin of shipments refer to Table 6.

TABLE 15
Value of Landings and Shipments of Commercial Fish Into California by Area, 1962

TABLE 16
Value of Landings and Shipments by Port, Eureka Area, 1962

| | Value | Pounds |
|----------------------------------|--------------------|-------------------|
| EUREKA AREA TOTALS | \$4,467,086 | 32,988,870 |
| Eureka | | |
| Salmon..... | \$1,473,266 | 2,521,445 |
| Giant Pacific oyster..... | 238,926 | 9,557,050 |
| Dover sole..... | 161,752 | 2,625,837 |
| Albacore..... | 136,575 | 1,000,549 |
| Market crab..... | 109,069 | 452,381 |
| Ocean shrimp..... | 75,572 | 683,913 |
| Petrale sole..... | 67,223 | 580,507 |
| English sole..... | 34,064 | 458,464 |
| Rockfish..... | 29,870 | 657,946 |
| Rex sole..... | 18,833 | 267,509 |
| Sablefish..... | 14,285 | 162,510 |
| Lingcod..... | 9,959 | 127,846 |
| Perch..... | 6,311 | 45,474 |
| Sanddab..... | 5,698 | 72,493 |
| All other..... | 10,538 | 169,820 |
| Totals..... | \$2,391,941 | 19,383,744 |
| Fort Bragg | | |
| Salmon..... | \$744,311 | 1,274,411 |
| Dover sole..... | 79,956 | 1,297,984 |
| Market crab..... | 62,123 | 257,693 |
| Albacore..... | 41,718 | 305,628 |
| Sablefish..... | 29,600 | 336,743 |
| Rockfish..... | 16,779 | 364,707 |
| Petrale sole..... | 13,179 | 113,810 |
| English sole..... | 10,378 | 139,672 |
| Lingcod..... | 7,511 | 96,916 |
| Rex sole..... | 7,260 | 103,119 |
| Smelt..... | 5,280 | 104,771 |
| All other..... | 8,680 | 187,914 |
| Totals..... | \$1,026,775 | 4,582,838 |
| Crescent City | | |
| Market crab..... | \$215,306 | 893,015 |
| Salmon..... | 197,452 | 339,066 |
| Ocean shrimp..... | 93,261 | 843,995 |
| Petrale sole..... | 15,305 | 132,165 |
| English sole..... | 14,452 | 194,512 |
| Lingcod..... | 12,246 | 157,197 |
| Albacore..... | 9,564 | 70,065 |
| Dover sole..... | 8,109 | 131,646 |
| All other..... | 17,485 | 280,677 |
| Totals..... | \$583,180 | 3,042,338 |
| Fields Landing | | |
| Dover sole..... | \$173,214 | 2,811,913 |
| Petrale sole..... | 58,628 | 506,288 |
| Rockfish..... | 39,763 | 876,045 |
| English sole..... | 28,647 | 385,555 |
| Lingcod..... | 18,775 | 241,015 |
| Sablefish..... | 17,079 | 194,301 |
| Market crab..... | 15,915 | 66,009 |
| Rex sole..... | 11,140 | 158,245 |
| Miscellaneous (animal food)..... | 5,248 | 262,403 |
| All other..... | 21,206 | 235,688 |
| Totals..... | \$389,615 | 5,737,462 |
| Trinidad | | |
| Market crab..... | \$43,639 | 181,001 |
| Salmon..... | 12,099 | 22,580 |
| All other..... | 75 | 478 |
| Totals..... | \$55,813 | 204,059 |

TABLE 16
Value of Landings and Shipments by Port, Eureka Area, 1962

TABLE 16—Continued
Value of Landings and Shipments by Port, Eureka Area, 1962

| | Value | Pounds |
|------------------------|----------|--------|
| Albion | | |
| Salmon..... | \$19,010 | 32,535 |
| All other..... | 3 | 73 |
| Totals..... | \$19,013 | 32,608 |
| All other ports | | |
| All other..... | \$749 | 5,821 |
| Totals..... | \$749 | 5,821 |

TABLE 16
Value of Landings and Shipments by Port, Eureka Area, 1962

TABLE 17
Value of Landings and Shipments by Port,* San Francisco Area, 1962

| | Value | Pounds |
|--|--------------------|-------------------|
| SAN FRANCISCO AREA TOTALS | \$8,552,774 | 43,830,164 |
| San Francisco | | |
| Yellowfin tuna..... | \$4,570,752 | 21,358,653 |
| Albacore..... | 877,690 | 4,000,811 |
| Market crab..... | 235,191 | 759,171 |
| Salmon..... | 200,783 | 314,657 |
| Bigeye tuna..... | 191,763 | 968,991 |
| English sole..... | 125,248 | 1,739,551 |
| Bluefin tuna..... | 98,258 | 500,040 |
| Petrale sole..... | 94,695 | 758,775 |
| Rockfish..... | 91,776 | 1,754,855 |
| Oriental tuna..... | 72,575 | 194,000 |
| Dover sole..... | 64,243 | 1,185,298 |
| Skipjack..... | 63,728 | 412,214 |
| Sablefish..... | 24,144 | 776,342 |
| Rex sole..... | 22,848 | 341,519 |
| Sanddab..... | 21,903 | 324,004 |
| Lingcod..... | 16,153 | 210,881 |
| Sand sole..... | 12,619 | 123,960 |
| California halibut..... | 11,157 | 51,867 |
| Flounder..... | 5,370 | 101,512 |
| All other..... | 18,880 | 461,318 |
| Totals..... | \$6,819,776 | 36,338,419 |
| Bodega Bay | | |
| Salmon..... | \$463,088 | 725,729 |
| Market crab..... | 83,078 | 268,166 |
| Ocean shrimp..... | 26,686 | 242,597 |
| English sole..... | 13,242 | 183,914 |
| Albacore..... | 10,329 | 75,729 |
| Smelt..... | 7,737 | 49,171 |
| Dover sole..... | 5,462 | 100,783 |
| All other..... | 14,162 | 198,968 |
| Totals..... | \$623,784 | 1,845,057 |
| Point Reyes | | |
| Salmon..... | \$183,862 | 288,140 |
| Market crab..... | 41,896 | 135,235 |
| Giant Pacific oyster..... | 27,565 | 264,541 |
| English sole..... | 20,195 | 280,499 |
| Petrale sole..... | 13,930 | 111,620 |
| Rockfish..... | 9,847 | 189,021 |
| Dover sole..... | 6,497 | 119,871 |
| Rex sole..... | 5,755 | 86,025 |
| All other..... | 18,741 | 325,979 |
| Totals..... | \$328,288 | 1,800,922 |
| Sausalito | | |
| Salmon..... | \$212,252 | 332,631 |
| Albacore..... | 55,535 | 407,147 |
| Market crab..... | 24,353 | 78,608 |
| All other..... | 513 | 5,964 |
| Totals..... | \$292,653 | 824,350 |
| Oakland | | |
| Albacore..... | \$126,350 | 926,318 |
| Salmon..... | 72,055 | 112,921 |
| Market crab..... | 8,768 | 28,303 |
| All other..... | 5,077 | 97,979 |
| Totals..... | \$212,250 | 1,165,521 |
| Princeton | | |
| Salmon..... | \$172,822 | 270,838 |
| Market crab..... | 24,484 | 79,032 |
| All other..... | 5,334 | 38,466 |
| Totals..... | \$202,640 | 388,336 |

TABLE 17
Value of Landings and Shipments by Port, San Francisco Area, 1962

TABLE 17—Continued
Value of Landings and Shipments by Port,* San Francisco Area, 1962

| | Value | Pounds |
|---------------------------|----------|-----------|
| Tomales Bay | | |
| Giant Pacific oyster..... | \$13,324 | 127,868 |
| Pacific herring..... | 6,829 | 784,869 |
| All other..... | 12,833 | 181,805 |
| Totals..... | \$32,986 | 1,094,542 |
| Clear Lake | | |
| Hardhead..... | \$22,083 | 110,415 |
| Carp..... | 5,441 | 110,825 |
| Totals..... | \$27,524 | 221,240 |
| Turlock | | |
| Carp..... | \$3,074 | 62,615 |
| All other..... | 2,280 | 11,152 |
| Totals..... | \$5,363 | 73,767 |
| All other ports | | |
| All other..... | \$7,510 | 78,010 |
| Totals..... | \$7,510 | 78,010 |

* Includes Sacramento area landings.

TABLE 17
Value of Landings and Shipments by Port, San Francisco Area, 1962

TABLE 18
Value of Landings and Shipments by Port, Monterey Area, 1962

| | Value | Pounds |
|-----------------------------------|--------------------|-------------------|
| MONTEREY AREA TOTALS | \$1,181,675 | 19,642,526 |
| Moss Landing | | |
| Albacore..... | \$336,274 | 2,338,483 |
| Salmon..... | 130,295 | 214,972 |
| Sardine..... | 50,439 | 1,601,235 |
| Jack mackerel..... | 36,855 | 1,510,467 |
| Pacific herring..... | 31,309 | 372,287 |
| Anchovy..... | 17,243 | 857,860 |
| Squid..... | 8,988 | 420,000 |
| Rockfish..... | 5,076 | 57,798 |
| All other..... | 16,823 | 191,561 |
| Totals..... | \$633,302 | 7,564,663 |
| Monterey | | |
| Rockfish..... | \$147,786 | 2,770,384 |
| Squid..... | 111,983 | 5,232,857 |
| Albacore..... | 49,823 | 346,474 |
| Sardine..... | 30,566 | 970,363 |
| Salmon..... | 27,690 | 45,685 |
| Petrale sole..... | 19,987 | 166,556 |
| English sole..... | 19,530 | 268,644 |
| Jack mackerel..... | 13,080 | 535,410 |
| Sablefish..... | 12,173 | 227,956 |
| Sanddab..... | 8,391 | 117,363 |
| Anchovy..... | 6,093 | 303,134 |
| Pacific herring..... | 5,338 | 63,471 |
| Rex sole..... | 5,207 | 101,900 |
| All other..... | 25,126 | 408,810 |
| Totals..... | \$482,773 | 11,559,007 |
| Santa Cruz | | |
| Salmon..... | \$28,918 | 47,712 |
| California halibut..... | 7,372 | 30,177 |
| Sablefish..... | 6,901 | 129,226 |
| All other..... | 22,409 | 311,741 |
| Totals..... | \$65,600 | 518,856 |

TABLE 18
Value of Landings and Shipments by Port, Monterey Area, 1962

TABLE 19
Value of Landings by Port, Santa Barbara Area, 1962

| | Value | Pounds |
|--|--------------------|-------------------|
| SANTA BARBARA AREA TOTALS | \$1,474,948 | 29,322,734 |
| Morro Bay | | |
| Abalone | \$194,361 | 1,212,498 |
| Albacore | 132,644 | 961,885 |
| Rockfish | 74,526 | 1,328,998 |
| Sardine | 44,973 | 1,252,725 |
| Petrale sole | 31,103 | 265,841 |
| Giant Pacific oyster | 21,253 | 1,062,605 |
| Salmon | 16,275 | 23,776 |
| Jack mackerel | 12,331 | 681,277 |
| Miscellaneous (animal food) | 8,844 | 442,200 |
| Rex sole | 5,973 | 94,515 |
| All other | 21,949 | 268,723 |
| Totals | \$564,232 | 7,595,043 |
| Santa Barbara | | |
| Abalone | \$181,350 | 1,198,997 |
| Spiny lobster | 60,785 | 89,548 |
| English sole | 31,325 | 473,187 |
| California halibut | 27,870 | 120,965 |
| Petrale sole | 26,917 | 230,058 |
| Rockfish | 23,461 | 502,000 |
| Miscellaneous (animal food) | 14,820 | 740,975 |
| Salmon | 11,929 | 17,981 |
| White seabass | 10,546 | 27,981 |
| Rock crab | 8,018 | 111,059 |
| California barracuda | 7,078 | 46,141 |
| Shark | 6,687 | 83,822 |
| Rex sole | 5,224 | 82,658 |
| All other | 4,557 | 61,919 |
| Totals | \$420,576 | 3,787,291 |
| Port Huene | | |
| Jack mackerel | \$160,923 | 8,890,749 |
| Pacific mackerel | 86,038 | 4,860,904 |
| Abalone | 34,762 | 242,118 |
| Sardine | 33,120 | 922,549 |
| Squid | 21,694 | 1,954,400 |
| Rockfish | 5,051 | 64,126 |
| All other | 7,556 | 34,885 |
| Totals | \$349,144 | 16,969,731 |
| Avila | | |
| Salmon | \$44,347 | 66,848 |
| Petrale sole | 16,007 | 136,812 |
| Rockfish | 6,630 | 125,513 |
| Abalone | 6,101 | 38,765 |
| Rex sole | 5,506 | 87,124 |
| Dover sole | 5,180 | 86,325 |
| All other | 15,952 | 257,219 |
| Totals | \$99,723 | 798,606 |
| Ventura | | |
| Spiny lobster | \$18,750 | 27,622 |
| All other | 1,513 | 11,900 |
| Totals | \$20,263 | 39,522 |
| Gaviota | | |
| Abalone | \$15,725 | 98,100 |
| Totals | \$15,725 | 98,100 |
| All other ports | | |
| All other | \$5,285 | 34,441 |
| Totals | \$5,285 | 34,441 |

TABLE 19
Value of Landings by Port, Santa Barbara Area, 1962

TABLE 20
Value of Landings and Shipments by Port, Los Angeles Area, 1962

| | Value | Pounds |
|--------------------------------|---------------------|--------------------|
| LOS ANGELES AREA TOTALS | \$54,165,442 | 462,988,856 |
| Terminal Island | | |
| Yellowfin tuna | \$27,063,309 | 164,922,896 |
| Albacore | 9,165,810 | 49,973,869 |
| Skipjack | 9,157,481 | 71,507,563 |
| Bluefin tuna | 4,226,975 | 30,098,026 |
| Jack mackerel | 1,348,158 | 64,198,002 |
| Pacific mackerel | 714,674 | 33,240,636 |
| Sardine | 235,585 | 7,550,802 |
| Bigeye tuna | 72,842 | 503,051 |
| Pacific bonito | 31,625 | 1,109,656 |
| Squid | 14,885 | 1,055,679 |
| Pismo clam | 9,509 | 422,640 |
| All other | 2,074 | 18,624 |
| Totals | \$52,042,927 | 424,601,444 |
| San Pedro | | |
| Bluefin tuna | \$115,845 | 825,105 |
| White seabass | 104,282 | 339,350 |
| Sardine | 91,162 | 2,921,869 |
| California barracuda | 88,173 | 599,409 |
| Spiny lobster | 65,618 | 94,373 |
| Giant sea bass | 64,214 | 292,026 |
| Jack mackerel | 63,177 | 3,008,428 |
| Pacific mackerel | 62,901 | 2,925,640 |
| Grouper | 59,808 | 290,613 |
| Rockfish | 53,401 | 438,073 |
| California halibut | 46,714 | 187,080 |
| Albacore | 42,931 | 254,633 |
| Yellowfin tuna | 39,654 | 261,914 |
| Anchovy | 21,699 | 1,373,340 |
| White croaker | 18,315 | 576,688 |
| Pacific bonito | 14,253 | 500,122 |
| Shark | 13,512 | 110,796 |
| California yellowtail | 11,038 | 123,057 |
| Squid | 9,846 | 698,325 |
| Pacific pompano | 9,461 | 30,940 |
| Salmon | 6,025 | 11,263 |
| Swordfish | 5,567 | 10,598 |
| All other | 14,679 | 139,939 |
| Totals | \$1,022,275 | 16,113,581 |
| Newport Beach | | |
| Abalone | \$123,887 | 1,054,514 |
| Jack mackerel | 80,269 | 3,822,310 |
| Spiny lobster | 38,461 | 55,316 |
| Pacific mackerel | 37,021 | 1,721,898 |
| Shark | 21,999 | 173,175 |
| California halibut | 19,331 | 77,416 |
| Albacore | 10,003 | 59,330 |
| Swordfish | 8,675 | 16,514 |
| Wahoo | 7,668 | 22,533 |
| All other | 4,467 | 86,785 |
| Totals | \$351,781 | 7,089,791 |
| Wilmington | | |
| Jack mackerel | \$153,759 | 7,321,854 |
| Pacific mackerel | 124,204 | 5,776,907 |
| Pacific bonito | 10,250 | 359,604 |
| All other | 6,495 | 138,009 |
| Totals | \$294,708 | 13,596,434 |
| Los Angeles | | |
| Salmon | \$170,202 | 207,735 |
| Sablefish | 28,759 | 134,149 |
| All other | 70,889 | 271,798 |
| Totals | \$269,850 | 613,982 |

TABLE 20
Value of Landings and Shipments by Port, Los Angeles Area, 1962

TABLE 20—Continued
Value of Landings and Shipments by Port, Los Angeles Area, 1962

| | Value | Pounds |
|-------------------------|-----------------|----------------|
| Long Beach | | |
| Bluefin tuna..... | \$33,291 | 237,116 |
| Albacore..... | 27,499 | 163,104 |
| Spiny lobster..... | 22,715 | 32,670 |
| Rockfish..... | 5,788 | 43,686 |
| All other..... | 4,967 | 136,838 |
| Totals..... | \$94,260 | 613,414 |
| Santa Monica | | |
| Spiny lobster..... | \$13,217 | 19,008 |
| California halibut..... | 12,261 | 49,104 |
| All other..... | 17,431 | 139,261 |
| Totals..... | \$42,909 | 207,373 |
| San Clemente | | |
| Spiny lobster..... | \$30,649 | 44,080 |
| Totals..... | \$30,649 | 44,080 |
| Redondo Beach | | |
| Rock crab..... | \$5,707 | 52,649 |
| All other..... | 5,949 | 37,844 |
| Totals..... | \$11,656 | 90,493 |
| All other ports | | |
| All other..... | \$4,427 | 18,264 |
| Totals..... | \$4,427 | 18,264 |

TABLE 20
Value of Landings and Shipments by Port, Los Angeles Area, 1962

TABLE 21
Value of Landings and Shipments by Port, San Diego Area, 1962

| | Value | Pounds |
|------------------------------------|---------------------|-------------------|
| SAN DIEGO AREA TOTALS | \$11,080,707 | 74,333,457 |
| San Diego | | |
| Yellowfin tuna | \$4,804,072 | 31,605,109 |
| Skipjack | 3,521,076 | 27,139,692 |
| Albacore | 2,231,153 | 12,425,870 |
| Bluefin tuna | 163,255 | 1,254,997 |
| Spiny lobster | 69,416 | 103,528 |
| California halibut | 65,135 | 268,930 |
| White seabass | 47,684 | 163,975 |
| Rockfish | 41,721 | 366,760 |
| Abalone | 28,828 | 286,516 |
| Shark | 12,719 | 119,438 |
| Sculpin | 12,692 | 45,688 |
| Giant sea bass | 8,245 | 51,276 |
| California barracuda | 7,853 | 54,889 |
| California yellowtail | 5,131 | 65,402 |
| Pacific bonito | 5,103 | 132,085 |
| All other | 18,315 | 120,206 |
| Totals | \$11,042,398 | \$74,204,161 |
| La Jolla | | |
| Spiny lobster | \$22,742 | 33,918 |
| All other | 828 | 10,061 |
| Totals | \$23,570 | 43,979 |
| Oceanside | | |
| Spiny lobster | \$3,088 | 4,606 |
| All other | 5,327 | 37,069 |
| Totals | \$8,415 | 41,675 |
| All other ports | | |
| All other | \$6,324 | 43,642 |
| Totals | \$6,324 | 43,642 |

TABLE 21
Value of Landings and Shipments by Port, San Diego Area, 1962

TABLE 22
 Statewide Commercial Partyboat Catch by Species
 (Not including anchored barges)
 1953-1962 *

| Species | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 |
|----------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Barracuda, California..... | 170,550 | 282,552 | 151,992 | 87,603 | 57,184 | 782,723 | 1,105,585 | 755,408 | 391,884 | 335,507 |
| Bass, kelp and sand..... | 711,400 | 876,667 | 497,343 | 470,562 | 669,071 | 653,671 | 428,426 | 478,656 | 613,604 | 798,119 |
| Bonito, Pacific..... | 4,321 | 7,078 | 22,409 | 61,464 | 238,555 | 122,868 | 774,586 | 1,199,919 | 849,426 | 708,725 |
| Calceon..... | 9,650 | 13,132 | 12,366 | 18,195 | 14,179 | 9,909 | 5,329 | 2,516 | 2,639 | 4,588 |
| Halibut, California..... | 34,299 | 59,674 | 33,892 | 31,691 | 10,793 | 16,192 | 23,395 | 48,310 | 168,611 | 118,966 |
| Langcod..... | 13,011 | 22,640 | 29,113 | 37,649 | 38,012 | 39,801 | 31,206 | 28,232 | 23,466 | 25,399 |
| Lincoln..... | 196,380 | 18,407 | 39,473 | 24,493 | 6,878 | 27,867 | 11,820 | 8,537 | 28,801 | 9,029 |
| Mackerel, jack..... | 61,462 | 315,017 | 131,918 | 121,136 | 151,960 | 136,967 | 88,652 | 75,970 | 112,888 | 116,738 |
| Mackerel, Pacific..... | 698,475 | 1,149,397 | 1,337,707 | 2,036,708 | 1,395,151 | 1,561,132 | 1,177,979 | 1,015,673 | 898,641 | 956,438 |
| Rockfish..... | 98,723 | 119,911 | 128,978 | 114,505 | 44,701 | 32,676 | 35,945 | 37,941 | 42,960 | 87,612 |
| Salmon..... | 28,932 | 33,462 | 28,613 | 26,528 | 13,473 | 11,477 | 15,111 | 15,111 | 26,672 | 33,514 |
| Sculpin..... | 27,993 | 41,888 | 30,105 | 19,755 | 19,030 | 34,039 | 10,693 | 15,697 | 14,082 | 14,564 |
| Seahorse, white..... | 17,349 | 21,499 | 14,192 | 14,789 | 15,105 | 18,120 | 17,146 | 11,511 | 15,210 | 13,488 |
| Sheepshead, California..... | 23,353 | 20,098 | 78,688 | 65,814 | 11,549 | 6,482 | 39 | 70,075 | 181,891 | 229,314 |
| Tuna, bluefin..... | 4,276 | 966 | 8,179 | 34,187 | 6,428 | 884 | 1,330 | 97 | 2,268 | 2,453 |
| Whitefish, ocean..... | 1,963 | 9,952 | 9,508 | 7,051 | 4,389 | 6,143 | 5,608 | 5,800 | 6,647 | 6,157 |
| Yellowtail, California..... | 27,292 | 40,872 | 36,498 | 26,198 | 212,898 | 127,384 | 437,150 | 251,969 | 42,267 | 21,829 |
| All others..... | 147,783 | 177,235 | 99,051 | 62,027 | 50,118 | 44,939 | 28,039 | 56,132 | 87,881 | 92,776 |
| Total number of fish..... | 2,280,158 | 3,274,537 | 3,113,883 | 3,262,905 | 3,499,585 | 3,950,880 | 4,328,575 | 4,090,034 | 3,453,633 | 3,655,993 |
| Number of angler days†..... | 502,146 | 532,190 | 496,286 | 523,063 | 536,175 | 515,152 | 557,154 | 516,255 | 495,805 | ..... |
| Number of anglers..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 637,498 | 593,916 | 595,866 |

* See Fish Bulletin #121 for historical records 1936-1961.
 † Not available after 1961.

FISH BULLETIN 121

TABLE 22
 Statewide Commercial Partyboat Catch by Species (Not including anchored barges) 1953-1962

TABLE 23
Recorded Catch of Live Bait for Saltwater Sportfishing, 1962

| Species | Thousands of pounds* |
|--------------------------|----------------------|
| Anchovy | 12,333 |
| Sardine, adult..... | 20 |
| Sardine, juvenile..... | 17 |
| Miscellaneous†..... | 67 |
| Total pounds..... | 12,437 |

* Using a conversion factor of 12.5 pounds per live bait scoop, weights are estimated from voluntary records submitted by 20 boats. The weight of a scoop of live bait varies between 10 and 15 pounds. The records represent almost all the live bait landings, however, they should be regarded as minimal.
† Consists primarily of queenfish and white croaker.

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TABLE 23
Recorded Catch of Live Bait for Saltwater Sportfishing, 1962