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Author

Staff of the Marine Resources Operations

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**STATE OF CALIFORNIA DEPARTMENT OF FISH AND GAME
FISH BULLETIN No. 105**

The Marine Fish Catch of California For the Years 1955 and 1956 with Rock-fish Review



BY
*THE STAFF OF THE
MARINE RESOURCES OPERATIONS*
1958

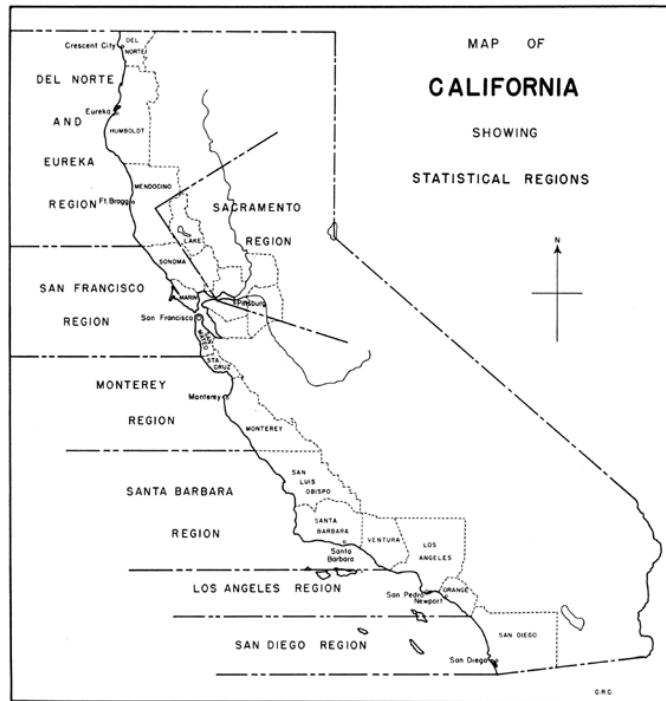


Figure 1

Figure 1

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FOREWORD

This bulletin includes records of the pounds of fish landed in the different areas of the State and their value to the fishermen. It is prepared to meet the numerous requests for such data received throughout the year from members of the fishing industry, harbor commissions, scientists, and persons in other related fields for use in their studies and reports.

This is the seventeenth in the series of fish bulletins dealing with fish catch. The first published in 1929, contained records of the State's commercial fish catch for 1926 and 1927. Data for subsequent years have been published annually or biennially. It is desirable to present the tables in a similar manner from year to year in order to maintain continuity of records. However, due to changing conditions in fisheries problems a certain amount of flexibility in presentation and context of the tables is desirable. This year for the first time the important species of sole (flatfish) are separated in the record. Although this bulletin carries the title "Marine Fish Catch" small poundages of fresh water commercial landings are also included.

Through the continued cooperation of the Wildlife Protection Branch the accuracy and completeness of the records is insured.

January, 1958

1. ROCKFISH REVIEW

By J. B. PHILLIPS
Marine Resources Operations
California Department of Fish and Game

1.1. INTRODUCTION

The largest and most colorful family of fishes known to inhabit the waters of California are found in our coastal sea. Scientists have given this family of fishes the name Scorpaenidae. You and I know them best as rockfish.

There are 52 different kinds of rockfish in the ocean waters of the State. Each year these provide food and gainful employment for a large segment of our population, as well as healthful recreation for thousands of individuals.

California Department of Fish and Game marine biologists are gathering facts which will be used to improve this important fishery. These facts are necessary to maintain it at a high level for future generations of fishermen.

Tremendous strides toward attaining these objectives have already been made. For example, Fish Bulletin No. 104 was recently published. This publication standardizes scientific terminology and creates order out of a confusing abundance of scientific names. It also contains a photograph and a detailed description of each kind of California rockfish and tells how it can be accurately identified.

The next important step is to strive for improvement of rockfish catch records, a large proportion of which are classified as simply "Rockfish." A standard "grouping" system is proposed for recording future market landings throughout the State (Table 5). Considerable field work will be necessary on this project because of the frequent admixture of species in a catch, and because of the diversity of common names in use for many years at different fishing ports.

In general, the important species caught by sport fishermen in inshore waters are different from those caught by commercial fishermen operating in offshore waters. Therefore, adjustments in the proposed catch record system will no doubt be necessary, as sport catch records are improved.

Accurate catch records for each kind of rockfish, will enable biologists to detect and evaluate important fluctuations.

1.2. PAST DEVELOPMENTS IN THE CATCH

1.2.1. *Commercial*

Various kinds of rockfish were commercially important in California as early as 1875. By 1900 the catch totaled between one and two million pounds. An increased demand for food during World War I resulted in a catch of eight million pounds by 1918.

After a postwar slump, landings increased from 4 million pounds in 1922 to about 7 million pounds per year during the period 1926–1931. Following this period, the catch declined steadily to a low of 1½ million pounds in 1942. This decline began after the stock market crash, but was too long (11 years) to be attributed entirely to its effects.

Three reasons for this drop in landings are: the meteoric expansion of the California sardine fishery during 1932–1936, the unprecedented demand for soupfin shark livers during the period 1937–1943, and the military restrictions on vessel cruises that went into effect at the start of World War II.

TABLE 1

Total Annual Rockfish Landings in the Northern, Central, and Southern California Areas,* 1916-1956, Inclusive

| Year | Pounds | | | |
|------|------------|-----------|-----------|------------|
| | Northern | Central | Southern | Total |
| 1916 | 14,279 | 2,773,638 | 2,131,035 | 4,918,952 |
| 1917 | 28,082 | 4,307,400 | 3,438,544 | 7,774,026 |
| 1918 | 65,511 | 5,041,638 | 3,135,605 | 8,242,754 |
| 1919 | 15,075 | 3,508,089 | 1,874,945 | 5,398,109 |
| 1920 | 20,454 | 3,576,177 | 2,036,446 | 5,633,077 |
| 1921 | 30,672 | 2,952,000 | 1,778,986 | 4,761,658 |
| 1922 | 22,872 | 2,538,683 | 1,750,459 | 4,312,014 |
| 1923 | 7,473 | 2,743,770 | 2,345,379 | 5,096,622 |
| 1924 | 20,477 | 1,578,083 | 3,144,325 | 4,742,885 |
| 1925 | 66,414 | 1,973,220 | 3,448,987 | 5,488,621 |
| 1926 | 65,506 | 3,194,390 | 4,281,073 | 7,540,969 |
| 1927 | 124,346 | 2,713,534 | 3,552,724 | 6,390,604 |
| 1928 | 107,264 | 3,284,602 | 3,028,043 | 6,419,909 |
| 1929 | 257,819 | 2,715,208 | 3,063,382 | 6,036,409 |
| 1930 | 250,968 | 3,853,466 | 3,120,930 | 7,225,364 |
| 1931 | 105,950 | 3,605,088 | 3,566,658 | 7,277,696 |
| 1932 | 89,232 | 3,043,780 | 2,503,307 | 5,636,319 |
| 1933 | 31,119 | 2,756,025 | 2,000,630 | 4,787,774 |
| 1934 | 116,182 | 2,598,479 | 1,889,370 | 4,604,031 |
| 1935 | 160,321 | 3,036,733 | 1,634,120 | 4,831,174 |
| 1936 | 187,424 | 3,481,605 | 934,875 | 4,603,904 |
| 1937 | 133,417 | 3,142,243 | 1,015,554 | 4,291,214 |
| 1938 | 547,603 | 2,407,904 | 681,630 | 3,637,137 |
| 1939 | 755,440 | 1,718,643 | 859,043 | 3,333,126 |
| 1940 | 583,605 | 2,113,302 | 873,729 | 3,570,636 |
| 1941 | 456,083 | 1,913,120 | 1,036,419 | 3,405,622 |
| 1942 | 271,959 | 726,068 | 425,413 | 1,423,440 |
| 1943 | 1,375,468 | 887,535 | 499,189 | 2,762,192 |
| 1944 | 5,525,923 | 800,666 | 95,641 | 6,422,230 |
| 1945 | 11,718,824 | 1,362,287 | 204,863 | 13,285,974 |
| 1946 | 9,464,778 | 1,341,089 | 355,355 | 11,161,222 |
| 1947 | 6,356,942 | 1,732,780 | 408,862 | 8,498,584 |
| 1948 | 3,952,240 | 1,954,521 | 634,215 | 6,540,976 |
| 1949 | 3,290,741 | 1,868,638 | 908,498 | 6,067,877 |
| 1950 | 3,744,222 | 3,428,393 | 943,294 | 8,115,909 |
| 1951 | 4,573,598 | 5,380,488 | 1,037,966 | 10,992,052 |
| 1952 | 2,635,194 | 7,277,538 | 807,453 | 10,720,185 |
| 1953 | 3,091,672 | 8,477,957 | 658,601 | 12,228,230 |
| 1954 | 3,193,209 | 8,161,586 | 1,285,337 | 12,640,132 |
| 1955 | 2,967,837 | 5,722,645 | 3,991,215 | 12,681,697 |
| 1956 | 3,118,829 | 8,558,692 | 3,265,994 | 14,943,515 |

* Northern Area—California State boundary south to Sonoma County line.
Central—Sonoma County south to San Luis Obispo County line.
Southern—San Luis Obispo County south to international boundary.

TABLE 1

Total Annual Rockfish Landings in the Northern, Central, and Southern California Areas, 1916–1956, Inclusive

The sardine catch expanded from 200,000 tons in 1932 to a high of 735,000 tons in 1936. Many setline fishermen deserted the rockfish fishery for the more profitable sardine purse seine fishery. Others began fishing for soupfin sharks during the period 1937–1943, when soupfin livers commanded extremely high prices because of their Vitamin A potency.

A need for fishery products caused military restrictions to be relaxed, however, and the rockfish catch doubled each year to a high of 13 million pounds in 1945. This increase in annual landings indicated that the stocks had not yet been overfished. When World War II ended, military orders were withdrawn and production dropped to 6 million pounds in 1949. The catch has climbed steadily since then to an all-time high of nearly 15 million pounds in 1956 (Figure 2).

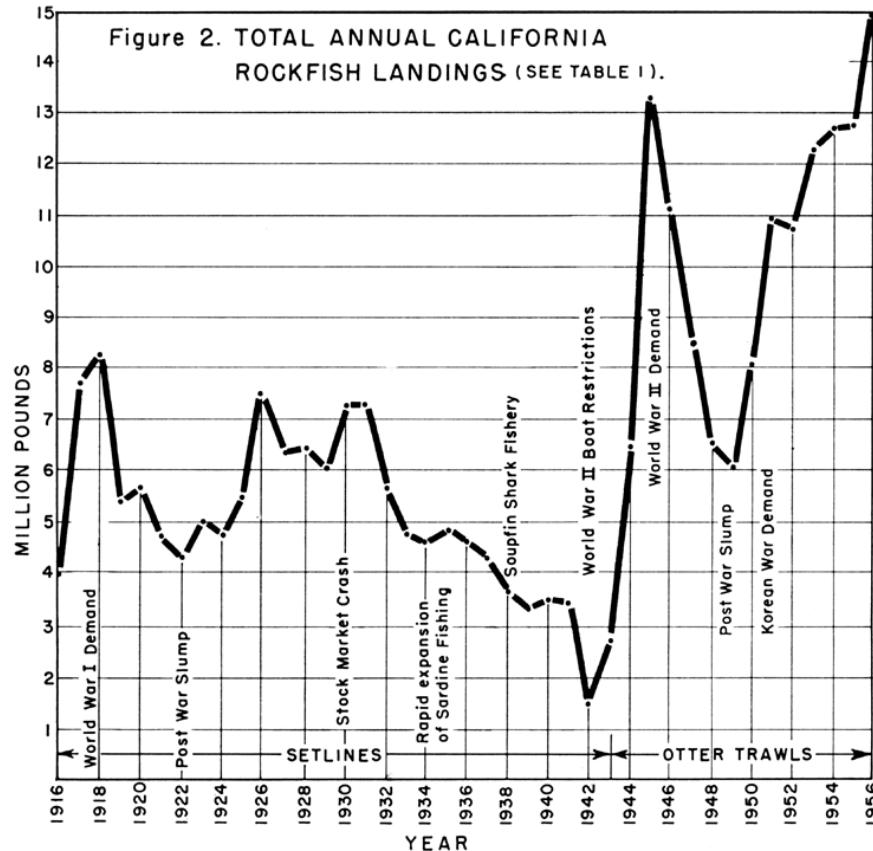


Figure 2. TOTAL ANNUAL CALIFORNIA ROCKFISH LANDINGS (SEE TABLE 1)

Before 1941 the yearly landings of rockfish were larger for California than for Oregon, Washington, and Alaska combined. Before 1940, landings in the Pacific Northwest were less than 1 million pounds, but increased demands during World War II skyrocketed the catch to 43 million pounds in 1945—an all-time high. Landings declined during 1946 and have fluctuated between 12 and 20 million pounds per year since 1947 (Figure 3). The Alaska rockfish resources are relatively unexploited at present.

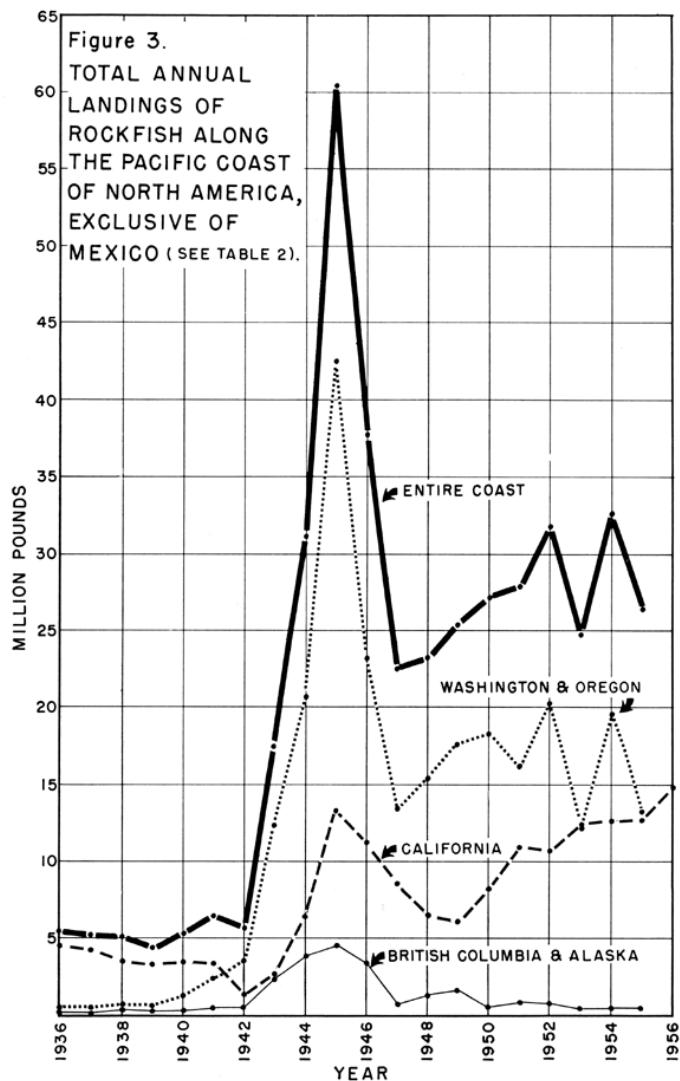


Figure 3.
**TOTAL ANNUAL LANDINGS OF ROCKFISH ALONG THE PACIFIC COAST OF NORTH AMERICA, EXCLUS-
 IVE OF MEXICO (SEE TABLE 2)**

TABLE 2
Total Annual Landings of Rockfish Along the Pacific Coast of North America Exclusive of Mexico
(Figures in thousands of pounds)

| Year | California | Washington and Oregon | British Columbia and Alaska | Total Coast |
|------|------------|-----------------------------|-----------------------------------|-------------|
| 1936 | 4,604 | 644 | 350 | 5,598 |
| 1937 | 4,291 | 625 | 199 | 5,115 |
| 1938 | 3,637 | 733 | 696 | 5,066 |
| 1939 | 3,333 | 722 | 297 | 4,352 |
| 1940 | 3,571 | 1,287 | 348 | 5,206 |
| 1941 | 3,406 | 2,428 | 575 | 6,409 |
| 1942 | 1,423 | 3,559 | 683 | 5,665 |
| 1943 | 2,762 | 12,307 | 2,462 | 17,531 |
| 1944 | 6,422 | 20,792 | 3,928 | 31,142 |
| 1945 | 13,286 | 42,607 | 4,554 | 60,447 |
| 1946 | 11,161 | 23,315 | 3,494 | 37,970 |
| 1947 | 8,499 | 13,318 | 830 | 22,647 |
| 1948 | 6,541 | 15,414 | 1,245 | 23,200 |
| 1949 | 6,068 | 17,704 | 1,573 | 25,345 |
| 1950 | 8,116 | 18,304 | 678 | 27,098 |
| 1951 | 10,992 | 16,013 | 946 | 27,951 |
| 1952 | 10,720 | 20,220 | 921 | 31,861 |
| 1953 | 12,228 | 12,047 | 457 | 24,732 |
| 1954 | 12,640 | 19,513 | 519 | 32,672 |
| 1955 | 12,682 | 13,141 | 494 | 26,317 |
| 1956 | 14,944 | ----- | ----- | 14,944 |

TABLE 2
Total Annual Landings of Rockfish Along the Pacific Coast of North America Exclusive of Mexico

Success of the Oregon and Washington fishery has been due to the development of a market for a rockfish called Pacific ocean perch, *Sebastodes alutus*. Steady utilization of this species began in 1945 and has, in recent years, comprised about 40 percent (6 to 7 million pounds) of the annual Pacific Northwest rockfish catch. Pacific ocean perch are not found in quantity off California. In 1955 only 60,000 pounds were landed, principally in the Eureka region. This amounted to about one-half of one percent of the total statewide rockfish catch.

This increase in the Northwest followed a sensational rise in the catch of a similar fish, *Sebastes marinus*, that abounds in the north Atlantic ocean. This species was called redfish or rosefish until 1951 when the "trade" was permitted to market it as ocean perch, a more acceptable name. The annual landings of this rockfish were of minor importance until the mid-thirties when a market for frozen fillets was developed. Concomitant with a decline in the haddock catch, ocean perch landings increased rapidly from about 118,000 pounds in 1930, to 17,000,000 in 1935, and then to a peak of 178,000,000 in 1946. This increase was obtained by expanding the fishing area from the Gulf of Maine to the productive Nova Scotia grounds.

1.2.2. Sport

The rockfish sport catch has increased phenomenally during the past few years. This increase is startling when compared to the total sport catch of all other kinds of fish reported by nearly 600 party boat operators. Many are taken from shore, skiffs, piers, and private boats, and by skindivers. These landings are not recorded.

Before World War II the rockfish sport catch was relatively stable. Since the war, however, the catch has soared to an undreamed of 60 percent of the total sport catch of all fish.

TABLE 3
Party Boat Rockfish Catch Compared With Total Party Boat Catch

| Year | Number | | Percent |
|-----------|--------------------------|-----------|---------|
| | Total catch ¹ | Rockfish | |
| 1936 | 1,313,473 | 204,627 | 15.58 |
| 1937 | 1,344,139 | 243,125 | 18.09 |
| 1938 | 1,281,608 | 239,312 | 18.67 |
| 1939 | 1,724,204 | 209,453 | 12.15 |
| 1940 | 1,872,838 | 301,355 | 16.09 |
| 1941-1946 | No available records | | |
| 1947 | 2,070,432 | 193,377 | 9.34 |
| 1948 | 2,110,019 | 410,271 | 19.44 |
| 1949 | 2,339,794 | 570,637 | 24.39 |
| 1950 | 2,190,413 | 679,164 | 31.01 |
| 1951 | 2,350,644 | 721,808 | 30.71 |
| 1952 | 2,305,875 | 706,004 | 30.62 |
| 1953 | 2,280,158 | 696,480 | 30.55 |
| 1954 | 3,274,537 | 1,149,367 | 35.10 |
| 1955 | 3,113,883 | 1,737,707 | 55.81 |
| 1956 | 3,262,995 | 2,036,708 | 62.42 |

¹ Includes rockfish.

TABLE 3
Party Boat Rockfish Catch Compared With Total Party Boat Catch

The question arises, what caused this tremendous increase in sport landings? There are a number of causes. Traditionally important game and food fishes off Southern California have not been plentiful in recent years. The number of anglers has increased. Their desire to take something home for display and food purposes has not changed. Satisfaction of the anglers' desire is obtained by party boat captains who turn to the rockfish holes.

Increased catches occurred throughout the fishery during the last few years (Figure 4). The Southern California sport fishery has increased disproportionately, accounting for the bulk of the landings.

Records reveal that the rockfish portion of the total sport catch increased from 10 to 15 percent before the war to 20 to 30 percent after the war. However, 1955 and 1956 rockfish sport catches spiraled upward to comprise 55 and 62 percent of the total sport take.

Even though rockfish are the most abundant group in the sport landings, each species in this group must be studied separately so that a firm approach can be made to biological and managerial problems.

1.3. GEAR

1.3.1. Commercial Fishing

Setlines and trawl nets have played an important part in the development of the commercial rockfish fishery off California. Setlines, used as early as 1875, were the most important gear before the introduction of the balloon trawl from the Pacific Northwest late in 1943. Rockfish taken by trawlers were incidental to the catch of flatfish before the balloon trawl was introduced.

1.3.2. Setlines

Setlines are fished as longlines or as drop lines, from relatively small boats. The longline consists of a number of units, each with 200 or 300 hooks that are baited and fastened together in a long string. This

string, sometimes over a mile long, is weighted at both ends so that it will lie flat and fish on the bottom.

The drop line is a single unit weighted at the bottom. It has 75 to 200 hooks and is fished from a boat like a deep-water handline. One or more drop lines can be fished at the same time by using a buoy to support the upper ends.

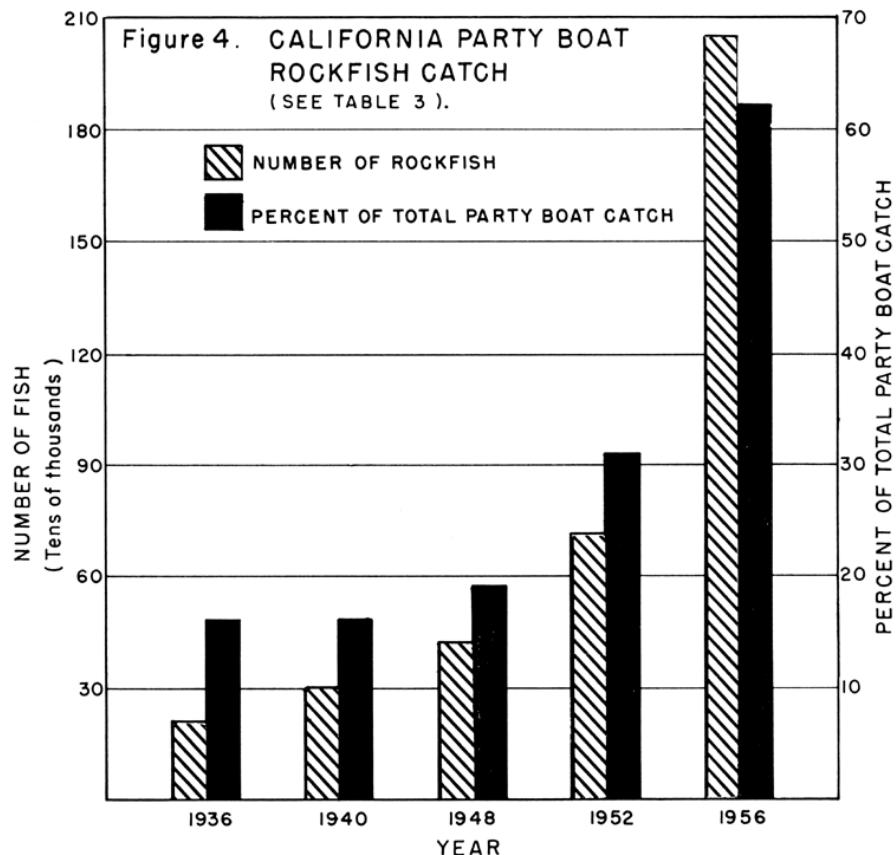


Figure 4. CALIFORNIA PARTY BOAT ROCKFISH CATCH (SEE TABLE 3)

1.3.3. Trawl Nets

An otter trawl net resembles a large, wedge-shaped sack that is widely open at the forward end and narrows toward the closed posterior end. An otter board or door is attached at an angle to each wing of the mouth, so that when the net is towed on the bottom of the sea the boards will veer outward and keep the mouth of the net open. The balloon trawl has a high mouth and is made of lighter material. Also, floats are added to the cork line so that the lead line will just skim or ride six to eight inches above the irregular bottom over which rockfish are found.

1.3.4. Sportfishing

Most sportfishermen use rod and reel or hand lines to catch rockfish. A few use heavy cotton line on a reel that is fastened to the rail of the vessel. With each type of gear several hooks are placed at intervals

on leaders or droppers according to the fisherman's preference. The majority of these hooks are baited with cut bait and fished at or near the bottom.

In certain localities fishermen will fish near the surface with a lure or flashing type of attractor in order to induce the fish to strike. In other localities the same type of gear is fished near the bottom. Some rockfish are taken by skin-divers using a spear or some other type of impaling gear.

1.4. AREAS OF LANDING

1.4.1. Commercial

To evaluate the within-state commercial rockfish landings, California catches are assigned to three major geographical areas: Northern California, Central California, and Southern California (Figure 5). Northern California catches include those made from the Oregon border to Pt. Arena while Central California include those made from Pt. Arena to Piedras Blancas, and Southern California include those made from Piedras Blancas to the Mexican border. The main landing ports in Northern California are Crescent City, Eureka, Fields Landing, and Fort Bragg. In Central California they are Bodega Bay, Pt. Reyes, San Francisco, Santa Cruz, and Monterey, and in Southern California they are Morro Bay, Avila, Santa Barbara, Santa Monica, San Pedro, and San Diego.

During the period 1916 to 1931, the Central California and Southern California areas were nearly equal in importance. The annual catch from each averaged 3 million pounds. After 1931, there was a steady downward trend in Southern California catches to a low of 82,000

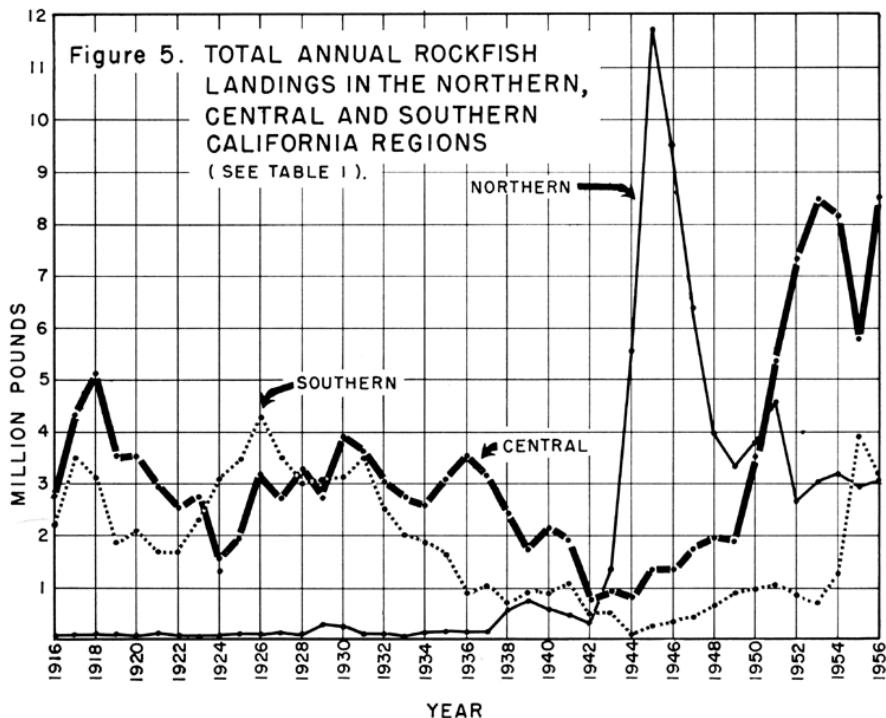


Figure 5. TOTAL ANNUAL ROCKFISH LANDINGS IN THE NORTHERN, CENTRAL AND SOUTHERN CALIFORNIA REGIONS (SEE TABLE 1)

pounds in 1944. A similar decline, though not as pronounced, occurred in Central California. Experienced fishermen feel that the severity of the decline in Southern California was due primarily to overfishing. An increased catch in the Central California region after 1943 was caused by the introduction of the balloon trawl. A similar increase did not occur to the south because trawl nets were prohibited in a large part of that area. Increased catches in Southern California during more recent years are due to the introduction of the otter trawl at Morro Bay.

TABLE 4
Rockfish Landings at California Ports—1956

| Port | Total pounds | Port | Total pounds |
|----------------|--------------|------------------|--------------|
| Monterey | 5,115,444 | Avila | 154,224 |
| San Francisco | 2,262,881 | Long Beach | 152,874 |
| Morro Bay | 2,264,308 | Bodega Bay | 90,187 |
| Fields Landing | 1,243,937 | San Diego | 71,314 |
| Eureka | 932,577 | Santa Monica | 49,473 |
| Fort Bragg | 896,246 | Crescent City | 46,040 |
| Pt. Reyes | 578,439 | Balance of State | 57,430 |
| Santa Cruz | 500,512 | | |
| San Pedro | 370,337 | Grand total | 14,943,515 |
| Santa Barbara | 157,292 | | |

TABLE 4
Rockfish Landings at California Ports—1956

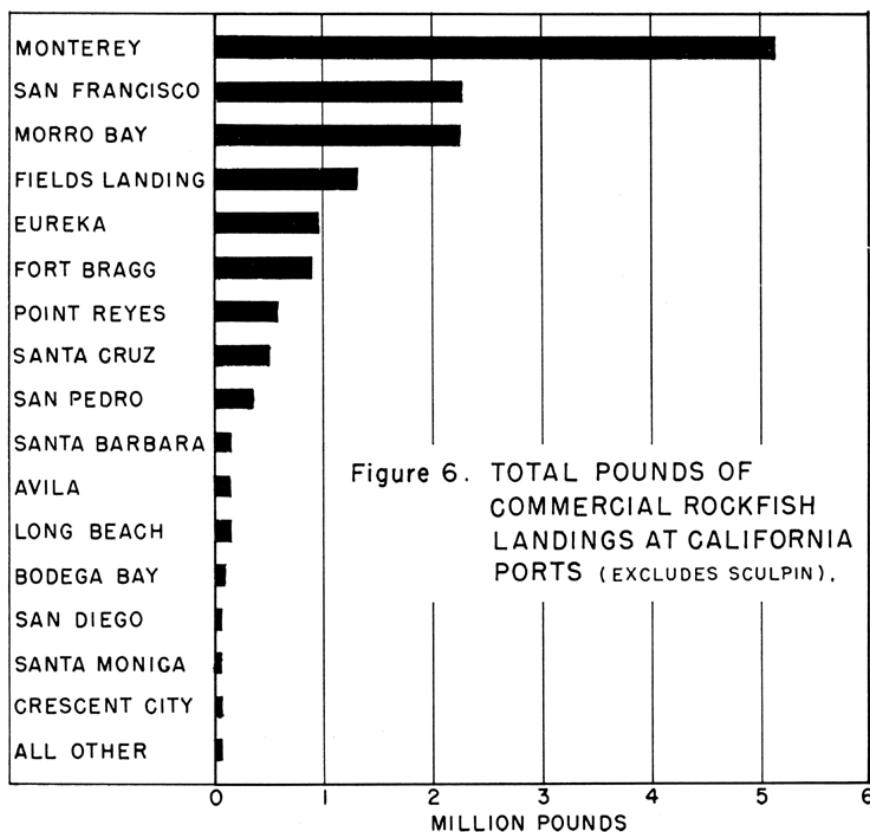


Figure 6. TOTAL POUNDS OF COMMERCIAL ROCKFISH LANDINGS AT CALIFORNIA PORTS (EXCLUDES SCULPIN)

Annual landings in the Northern California region were less than a million pounds until the balloon trawl was introduced. The efficiency of this net was demonstrated during the next two years, and in 1945 peak landings of 11,500,000 pounds were made at northern ports. A moderate increase to about 5 million pounds in 1951 was due to the Korean War demand. Since the war, landings of rockfish at Northern California ports have stabilized at about 3 million pounds per year.

San Francisco, Monterey, and Morro Bay were the three most important ports of landing for rockfish during 1956 (Figure 6). These ports accounted for 64 percent of the total rockfish catch. The next three most important ports are Fields Landing, Eureka, and Fort Bragg. Rockfish landings at all six ports accounted for 85 percent of the total catch.

1.4.2. Sport

The party boat catch is assigned to two major areas, Northern and Southern California. The most valuable rockfish center within the northern area lies between San Simeon and Avila. This area provided 25,273 sportfishermen with 543,304 fish during 1956. The southern "hotspot" in Santa Monica Bay furnished 52,767 anglers with a 705,333 rockfish haul.

Before 1951, Northern California "party boaters" reeled in twice as many rockfish as did the southerners. Nowadays, however, the reverse is true.

1.5. IMPORTANCE OF SPECIES

Fifty-four species of rockfish belonging to the genus *Sebastodes* live in the ocean waters along the Pacific Coast of North America. Forty-nine of these are found in California waters.

Six species, for many years, comprised the greatest part of our commercial catch. These are bocaccio and chilipepper, and the canary, vermillion, yellowtail, and black rockfish. At present, bocaccio is the dominant species in the statewide commercial catch. The six next important species are: olive, dark-blotched, widow, splitnose, and turkey-red rockfish, plus the Pacific ocean perch.

Eight species that are undesirable from a commercial standpoint because of their small size are shortbelly, striptail, sharpchin, calico, greenstriped, halfbanded, squarespot, and pygmy rockfish. Some of these undesirable species are present in abundance on the fishing grounds. They are found in the stomachs of larger rockfish and at times appear in quantity in the "trashfish" landings.

The shortspine and longspine channel rockfish are the only species of genus *Sebastolobus* found along the Pacific Coast. The shortspine is large enough to be of some commercial importance in California. It is sometimes taken in deep water by longline and trawl net fishermen. Although the flesh is tasty, not more than about 50,000 pounds a year are landed in California. The yield of fillets from the shortspine and longspine is poor because of the large, thorny head and slender body. Occasional market landings of these two species are inappropriately called idiots, channel cod, or rock cod. The longspine is small in size and occasionally taken when fishing in depths of 300 fathoms or more.

The sculpin, *Scorpaena guttata*, is the sole representative of the genus *Scorpaena* in the ocean waters of California and is rarely caught north of Pt. Arguello. It is well known by its common name and is thus accurately recorded in statistical records. Commercial landings, however, are not great, amounting to about 100,000 pounds annually in recent years.

1.5.1. Sport

Many rockfishes are difficult to identify. As a result sport catch statistics provide only an estimate of the importance of individual species. These data indicate that blue rockfish are the most important species in northern sport catches, while bocaccio are more important to the south.

1.6. PRODUCTS

A Monterey sardine cannery experimentally canned rockfish in 1941 but the venture failed. Small amounts have been salted and a few are marketed fresh dressed, particularly in Southern California.

A large part of the Pacific Coast rockfish catch is marketed as skinned fillets.

Seventy percent of the round weight is lost in the filleting process. This portion is reduced to meal for livestock feeding or ground with "trashfish" and used for mink and trout food. In 1955 California landings of "trashfish" for mink food totaled about one million pounds, most of which was landed in the Eureka and Fort Bragg areas. Samples of this catch indicated that about 10 percent of the total consisted of unmarketable rockfish.

1.6.1. Freezing

An important problem of concern in recent years has been to determine the freezer storage life of fillets from various rockfishes. Preliminary work on this problem has been conducted by the U. S. Fish and Wildlife Service in their Seattle laboratory. Several species were filleted and tested for initial palatability and appearance after having been frozen for varying periods of time (Miyauchi, D. T., and M. E. Standsby, 1952). These tests were limited to one lot of samples for each species, but the relative comparisons between species are of considerable interest. Fillet samples were tested from eight Pacific Coast species: Pacific ocean perch, and chilipepper, bocaccio, and splitnose, canary, vermillion, turkey-red, and channel rockfish. Tests were also made on the Atlantic ocean perch for comparison.

All lots of fillets from the various rockfish were tested prior to freezing and storage and found to differ in appearance, texture, and flavor. Flavor was rated as either good or very good for all species. After having been held in cold storage at 0° F. for varying periods of time, there were striking changes in appearance and flavor of some of the fillets. Pacific ocean perch was judged as having the best cold storage quality and the longest cold storage life (32 weeks). Bocaccio was second best (29 weeks). Vermilion rockfish deteriorated so rapidly that they were considered unsuitable for frozen storage. The remaining species tested had an acceptable cold storage life of 20 to 24 weeks. Atlantic ocean perch fillets were quite similar to those of Pacific ocean

perch in appearance, flavor, and texture throughout the storage period. They had an acceptable cold storage life of 29 weeks.

On the basis of these tests the armed forces are specifying, by both common and scientific name, the rockfish they will accept. At the top of the list are Pacific ocean perch and bocaccio. Both of these species have a long freezer life and can thus be shipped overseas. Species with a shorter freezer life are destined for forces stationed in this country. However, an antifish attitude, due to uncertainties in quality of the packaged domestic product, exists among servicemen. This attitude has been reported from Army installations in Japan. Servicemen were relatively satisfied with fish obtained from Japanese waters, but domestic frozen fish shipped overseas for armed forces consumption did not "go over." Consequently, the office of the Quartermaster General has proposed a long-range frozen fish research program (Petersen, 1955). The main purpose of this program is: to determine relative consumer preference for various species of fish caught during different periods of the fishing season; to note their storage life; and to find a usable method for determining freshness in frozen fish.

1.7. REGULATIONS

California has very few laws that affect sport or commercial fishing for rockfish. Commercial setlines and longlines are permitted in all ocean waters of the State except the bays of Humboldt, San Francisco, San Pablo, Morro, and San Diego, and small areas in the northern and southern sections of Monterey Bay. Also the waters surrounding Santa Catalina Island are closed to commercial fishing.

Drag net operations are not permitted within three miles of the mainland anywhere in the State, and the use or possession of these nets is prohibited south of the Santa Barbara-Ventura County line. Minimum legal size mesh permitted in drag nets is four and one-half inches inside stretch measure.

No size, bag or seasonal limits apply to the commercial taking of rockfish in California.

Sportfishermen are restricted to 20 rockfish per day to conserve the easily accessible sport species found near rocky inshore areas.

1.8. RESEARCH

1.8.1. Age and Growth

Wales (1952), in a study of the blue rockfish, *Sebastodes mystinus*, used scales for determining the ages of specimens caught off Pacific Grove, California. He found that seven age groups were represented, but only the first four annuli on the scales could be easily recognized.

In the Washington State Department of Fisheries Annual Report for 1950, it is briefly noted that the copper rockfish, *Sebastodes caurinus*, will attain an age of over 20 years.

Perlmutter and Clarke (1949), studied immature Atlantic ocean perch and found that opercular bones, otoliths, and scales had growth bands, but scales proved the best for interpreting growth. They found that the scales do not form until the spring following the year of birth (hatching takes place from mid-May to September) necessitating the addition of one year to the total age indicated by annuli on the

scales. Growth is slow in this species. Fish with nine annuli on their scales were found to have an average length, snout to fork of tail, of only eight and one-half inches. Superficial examination of scales from larger fish indicated that they must be 20 years of age or older. Veschezerov (1944) reported comparable growth for rosefish, *sebastes marinus*, in Barents Sea.

1.8.2. Maturity and Fecundity

Wales (1952) found that first maturity in the blue rockfish, *Sebastodes mystinus*, occurs in the third and fourth years in males, and in the fourth and fifth years in females. A 16-inch female contained 524,000 eggs.

Perlmutter and Clarke (1949) found that first maturity in the Atlantic ocean perch, does not occur until the ninth or tenth year.

Clemens and Wilby (1946) noted that a specimen of "red snapper," *Sebastodes ruberrimus*, weighing 19½ pounds contained approximately 2,700,000 eggs. It was also noted that a large orange rockfish, *S. pinniger*, may contain as many as 600,000 eggs.

1.8.3. Spawning

Fertilization is internal in the species of the genus *Sebastodes* found along the Pacific Coast of North America and those found along the coast of Japan and the embryos develop within the body of the female until time of hatching. The same condition exists in *Sebastes marinus* of the Atlantic coast.

Sculpin eggs are fertilized externally. They are laid in floating masses resembling bilobed balloons.

It appears that the eggs are fertilized externally in the channel rockfish, *Sebastolobus alascanus* and *Sebastolobus altivelis*, however, little is known about the spawning habits of these two species.

Surveys conducted by the California Cooperative Sardine Research Program show that the larvae of a number of species of rockfish in the genus *Sebastodes* occur in great abundance throughout the year, in some cases as far as 300 miles off the coast of California.

For blue rockfish taken in Monterey Bay, Wales (1952) noted that the larvae hatched November to January. Alverson (1953) noted a mid-winter hatching period, probably during the months of January and February, for Pacific ocean perch in Pacific Northwest waters. Clemens and Wilby (1946) noted embryos about ready to hatch in February and March in specimens of canary rockfish from off Vancouver Island.

Phillips (unpublished) has noted a December to March hatching period in central Californian waters for several species including: bocaccio and chilipepper, and widow, speckled, cow, yellowtail, canary, vermillion, shortbelly, and stripetail rockfish. In some other species it appears that the hatching period may occur later.

Okada (1955) found that the hatching period for several species of Japanese *Sebastodes* was January to May. Perlmutter and Clarke (1949) cite a mid-May to September hatching period for Atlantic ocean perch taken in the Gulf of Maine.

1.8.4. Rearing Larvae

Morris (1956) reared the larvae of bocaccio, chilipepper, shortbelly rockfish, and stripetail rockfish for periods of 7 to 12 days. None survived the transition from the yolk sac stage although a few larvae of each species had ingested some small Artemia (brine shrimp).

The larvae were stripped from fish that had been caught in 100 fathoms of water off Monterey, California and were reared in salt water aquaria at the Hopkins Marine Station, Pacific Grove, California. The ovarian phase of development was apparently complete because the larvae began to swim within a few seconds after they were placed in water. At this stage the embryos are sufficiently pigmented with black so as to give the ready-to-hatch eggs a dark gray appearance.

If rockfish larvae could be reared successfully beyond this critical stage, and proper natural food made available before starvation occurs, it would be possible to illustrate all stages of development in the different species. With this knowledge, annual spawning success could be determined by means of plankton hauls and thus valuable information would be obtained for use in the management of our rockfish resources.

1.8.5. Tagging

Very little tagging of Pacific Coast rockfish has been undertaken. In 1929–1930, Wales (1952) tagged 1,050 blue rockfish which had been caught close to shore off Pacific Grove, California. Non-corrosive, metal strap tags were attached to the opercle. Although a total of 17 tagged fish was recaptured by hook and line fishing within 10 months, no definite information concerning the movements of this species was gained.

Tagging the species of adult rockfish found in comparatively shallow water, which are of primary interest to sportsmen, will not be difficult. However, tagging the commercially important species caught in deep water is a problem because of the difference in pressure between the surface and the deeper water.

Washington biologists, during the summer of 1956, started tagging "bloated" true cod, *Gadus macrocephalus*. brought up from deep water. These fish were deflated by puncturing the air bladder and applying pressure to the body walls (Pacific Fisherman, 1956b). It is not certain that such a method would work on rockfishes because expansion of gases in the air bladder often pushes the stomach out of place, inverting it into the throat. Also, the eyes frequently are popped. Various schemes for tagging such fish without bringing them to the surface have been considered. One of these proposals is to use detachable, marked hooks.

U. S. Fish and Wildlife Service biologists at Woods Hole, Massachusetts, considered various means by which the Atlantic ocean perch might be tagged. This species normally occurs in depths of 40–200 fathoms and is in a "bloated" condition when brought to the surface. Before any tagging of these deep living fish was attempted it was decided to investigate rumors that ocean perch occur near the surface in the late summer off Eastport, Maine. A check revealed hundreds of ocean perch feeding at or near the surface on small pelagic shrimp, *Meganyctiphanes*.

In three days of hook and line fishing during August, 1956, 317 rockfish were tagged. Biologists hope to eventually tag several thousand in this manner. The tag used was a brilliant yellow disc, pinned through the gill cover on the left side of the fish (Commercial Fisheries Review, 1956a).

It is possible that in some areas along the coast of California where upwelling of cold subsurface water occurs, deep water rockfish may be found near the surface, and thus tagging could be conducted on relatively normal fish. Also, since the immature of deep water species are found in shallower water, exploratory work may reveal areas of concentration of immature fish large enough to be tagged before they move into deeper water.

1.8.6. Racial Studies

No racial studies on the species of Pacific Coast rockfish have been reported. Perlmutter and Clarke (1949) subdivided the stock of Atlantic ocean perch occurring in the Gulf of Maine and off the western Nova Scotian coast into six population units. These units were determined by noting the centers of fishing, and the size composition of the catch in each center, and the degree of infestation of the fish with the copepod, *Sphyron lumi*.

1.8.7. Exploratory Fishing

No exploratory fishing has been conducted off the coast of California for new rockfish grounds, except by commercial fishermen. However, in the Pacific Northwest an uncharted seamount, on which there was an abundance of rockfish, was discovered during an exploratory cruise for albacore. The U. S. Fish and Wildlife Service vessel JOHN N. COBB ran over this uncharted seamount on August 3, 1950, about 280 miles west of Willapa Harbor, Washington. Soundings showed the shallowest portion to be 22 fathoms beneath the surface of the sea. There was also a large area 70 fathoms deep, surrounded by waters of 1,400 to 1,600 fathoms. Longline gear set at 70 fathoms yielded a good catch of large turkey-red rockfish, averaging 15 pounds each.

While passing over the seamount again on September 15, 1950, longline gear was fished at 40–160 fathoms. This time, in addition to turkey-reds, two unidentified species of rockfish were taken together with four Pacific halibut. Bottom samples and depth recorder traces indicated a rough, hard bottom with some fairly flat ledges, but unsuitable for trawling (Commercial Fisheries Review, 1950a).

1.9. CATCH STATISTICS

A program designed to improve a fishery must be based on reliable catch statistics. It is sometimes very difficult to obtain reliable rockfish catch information.

The multiplicity of species in the landings and the variation in common names within and between ports make it difficult for party boat skippers and market dealers alike to accurately report the species landed.

Uniform reporting of species in the commercial rockfish landings will be simplified if the "standard grouping" system proposed by the author can be effected. This system (Table 5) is designed to permit correct recording of the more important individual species. Less important species are grouped in what is considered "normal" combinations. In the future, if any species in a combination becomes important, it can be separated by its authorized common name. This procedure may be necessary in order to adapt a uniform rockfish reporting system to the sport catch. An improved reporting system will enable fishery biologists to evaluate trends in the total catch and to establish a sound basis for a better catch.

TABLE 5
Proposed Standardized Group Names for Reporting Commercial Rockfish Landings

| Group names | Common names | Scientific names |
|---|-----------------------------|----------------------------------|
| Bocaccio..... | Bocaccio..... | <i>Sebastodes paucispinis</i> |
| Chilipepper..... | Chilipepper..... | <i>Sebastodes goodei</i> |
| Yellowtail rockfish..... | Yellowtail rockfish..... | <i>Sebastodes flavidus</i> |
| Widow rockfish..... | Olive rockfish..... | <i>Sebastodes serranoides</i> |
| Blotch rockfish..... | Widow rockfish..... | <i>Sebastodes entomelas</i> |
| Canary rockfish..... | Speckled rockfish..... | <i>Sebastodes ovalis</i> |
| Genuine red rockfish..... | Dark-blotted rockfish..... | <i>Sebastodes crameri</i> |
| Large red rockfish..... | Canary rockfish..... | <i>Sebastodes pinniger</i> |
| Small red rockfish..... | Vermilion rockfish..... | <i>Sebastodes miniatus</i> |
| Rosefish..... | Turkey-red rockfish..... | <i>Sebastodes ruberrimus</i> |
| Pacific ocean perch..... | Flag rockfish..... | <i>Sebastodes rubrivinctus</i> |
| Black rockfish..... | Brown rockfish..... | <i>Sebastodes auriculatus</i> |
| | Whitebelly rockfish..... | <i>Sebastodes tezillaris</i> |
| | Copper rockfish..... | <i>Sebastodes caurinus</i> |
| | Greenspotted rockfish..... | <i>Sebastodes chlorostictus</i> |
| | Starry rockfish..... | <i>Sebastodes constellatus</i> |
| | Rosy rockfish..... | <i>Sebastodes rosaceus</i> |
| | Pink rockfish..... | <i>Sebastodes eos</i> |
| | Honeycomb rockfish..... | <i>Sebastodes umbrosus</i> |
| | Swordspine rockfish..... | <i>Sebastodes rhodochloris</i> |
| | Rosethorn rockfish..... | <i>Sebastodes helvomaculatus</i> |
| | Splitnose rockfish..... | <i>Sebastodes diploproa</i> |
| | Pacific ocean perch..... | <i>Sebastodes alutus</i> |
| | Black rockfish..... | <i>Sebastodes melanops</i> |
| | Blue rockfish..... | <i>Sebastodes mystinus</i> |
| Gopher rockfish..... | Gopher rockfish..... | <i>Sebastodes carnatus</i> |
| | Black-and-yellow..... | <i>Sebastodes chrysomelas</i> |
| | Kelp rockfish..... | <i>Sebastodes atrovirens</i> |
| | Grass rockfish..... | <i>Sebastodes rastrelliger</i> |
| | China rockfish..... | <i>Sebastodes nebulosus</i> |
| | Treefish..... | <i>Sebastodes serriceps</i> |
| Rockfish (Uncommon marketable species)..... | Cow rockfish..... | <i>Sebastodes levis</i> |
| | Silvergray rockfish..... | <i>Sebastodes brevispinis</i> |
| | Aurora rockfish..... | <i>Sebastodes aurora</i> |
| | Tiger rockfish..... | <i>Sebastodes nigrofasciatus</i> |
| | Redstripe rockfish..... | <i>Sebastodes proriger</i> |
| | Rougheye rockfish..... | <i>Sebastodes aleutianus</i> |
| | Quillback rockfish..... | <i>Sebastodes maliger</i> |
| | Coral-red rockfish..... | <i>Sebastodes macdonaldi</i> |
| | Blackgill rockfish..... | <i>Sebastodes melanostomus</i> |
| | Bronzespotted rockfish..... | <i>Sebastodes gilli</i> |
| Rockfish (Small unmarketable species)..... | Shortbelly rockfish..... | <i>Sebastodes jordani</i> |
| | Striptail rockfish..... | <i>Sebastodes saxicola</i> |
| | Calico rockfish..... | <i>Sebastodes dalli</i> |
| | Halfbanded rockfish..... | <i>Sebastodes semicinctus</i> |
| | Sharpchin rockfish..... | <i>Sebastodes zacentrus</i> |
| | Squarespot rockfish..... | <i>Sebastodes hopkinsi</i> |
| | Pygmy rockfish..... | <i>Sebastodes wilsoni</i> |
| | Greenstriped rockfish..... | <i>Sebastodes elongatus</i> |

TABLE 5
Proposed Standardized Group Names for Reporting Commercial Rockfish Landings

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2. LIST OF COMMON AND SCIENTIFIC NAMES OF FISHES, CRUSTACEANS, AND MOLLUSKS

| <i>Common name</i> | <i>Scientific name</i> |
|-----------------------------------|--|
| Anchovy | <i>Engraulis mordax</i> |
| Barracuda, California | <i>Sphyraena argentea</i> |
| Bonito | <i>Sarda chilensis</i> |
| Cabezon | <i>Scorpaenichthys marmoratus</i> |
| Cabrilula | <i>Epinephelus analogus</i> |
| Carp | <i>Cyprinus carpio</i> |
| Corvina, shortfin | <i>Cynoscion parvipinnis</i> |
| Croaker, white (kingfish) | <i>Genyonemus lineatus</i> |
| Small amounts of queenfish | <i>Seriplus politus</i> |
| Dolphinfish | <i>Coryphaena hippurus</i> |
| Eel California moray | <i>Gymnothorax mordax</i> |
| Monkeyface-eel | <i>Cebidichthys violaceus</i> |
| Rock-eel | <i>Xiphister mucosus</i> |
| Flounder Starry flounder | <i>Platichthys stellatus</i> |
| Small amounts of other flatfishes | <i>Cypselurus californicus</i> |
| Flyingfish | |
| Grouper | Species of <i>Mycteroperca</i> |
| Hake | <i>Merluccius productus</i> |
| Halfmoon | <i>Medialuna californiensis</i> |
| Halibut, arrowtooth | <i>Atheresthes stomias</i> |
| Halibut, California | <i>Paralichthys californicus</i> |
| Halibut, Pacific | <i>Hippoglossus stenolepis</i> |
| Hardhead Greaser blackfish | <i>Orthodon microlepidotus</i> |
| Hardhead | <i>Mylopharodon conocephalus</i> |
| Herring, Pacific | <i>Clupea pallasi</i> |
| Lingcod | <i>Ophiodon elongatus</i> |
| Mackerel, jack | <i>Trachurus symmetricus</i> |
| Mackerel, Pacific | <i>Pneumatophorus diego</i> |
| Needlefish, California | <i>Strongylura exilis</i> |
| Opaleye | <i>Girella nigricans</i> |
| Perch Surfperch | Members of family Embiotocidae |
| Pompano, California | <i>Palometta simillima</i> |
| Ratfish | <i>Hydrolagus colliei</i> |
| Rock bass Kelp bass | <i>Paralabrax clathratus</i> |
| Sand bass | <i>Paralabrax nebulifer</i> |
| Rockfish | All species of <i>Sebastodes</i> and <i>Sebastolobus</i> |
| Sablefish | <i>Anoplopoma fimbria</i> |
| Salmon King | <i>Oncorhynchus tshawytscha</i> |
| Silver | <i>Oncorhynchus kisutch</i> |
| Sanddab | <i>Citharichthys sordidus</i> |
| Small amounts of other species | <i>Sardinops caerulea</i> |
| Sardine | |
| Sargo, California | <i>Anisotremus davidsoni</i> |
| Sculpin | <i>Scorpaena guttata</i> |
| Sculpin, staghorn | <i>Leptocottus armatus</i> |
| Sea bass, black | <i>Stereolepis gigas</i> |
| Seabass, white | <i>Cynoscion nobilis</i> |
| Seatrout, greenling | <i>Hexagrammos decagrammus</i> |
| Shad | <i>Alosa sapidissima</i> |

| | |
|----------------------------------|------------------------------------|
| Shark | |
| Basking | <i>Cetorhinus maximus</i> |
| Bonito | <i>Surus glaucus</i> |
| Dogfish | <i>Squalus acanthias</i> |
| Leopard | <i>Triakis semifasciata</i> |
| Soupfin | <i>Galeorhinus zyopterus</i> |
| Thresher | <i>Alopias vulpinus</i> |
| Varying amounts of other species | |
| Sheep-head | <i>Pimelometopon pulchrum</i> |
| Sierra | <i>Scomberomorus sierra</i> |
| Skate | |
| Big | <i>Raja binoculata</i> |
| California | <i>Raja inornata</i> |
| Longnose | <i>Raja rhina</i> |
| Smelt | |
| Grunion | <i>Leuresthes tenuis</i> |
| Jacksmelt | <i>Atherinopsis californiensis</i> |
| Surf | <i>Hypomesus pretiosus</i> |
| Topsmelt | <i>Atherinops affinis</i> |
| Sole | |
| Dover | <i>Microstomus pacificus</i> |
| English | <i>Parophrys vetulus</i> |
| Petrale | <i>Eopsetta jordani</i> |
| Rex | <i>Glyptocephalus zachirus</i> |
| Sand | <i>Psettichthys melanostictus</i> |
| Varying amounts of other species | |
| Splittail | <i>Pogonichthys macrolepidotus</i> |
| Squawfish | <i>Ptychocheilus grandis</i> |
| Sturgeon | Member of family Acipenseridae |
| Swordfish | <i>Xiphias gladius</i> |
| Tomcod | <i>Micromesistius proximus</i> |
| Tuna | |
| Albacore | <i>Thunnus germinis</i> |
| Bigeye | <i>Parathunnus sibi</i> |
| Bluefin | <i>Thunnus thynnus</i> |
| Skipjack | <i>Katsuwonus pelamis</i> |
| Yellowfin | <i>Neothunnus macropterus</i> |
| Turbot | |
| Curlfin | <i>Pleuronichthys decurrens</i> |
| Diamond | <i>Hypsopsetta guttulata</i> |
| Hornyhead | <i>Pleuronichthys verticalis</i> |
| Small amounts of other species | |
| Wahoo | <i>Acanthocybium solandri</i> |
| Whitebait | <i>Allosmerus elongatus</i> |
| | <i>Spirinchus starksii</i> |
| | Young of several other species |
| Whitefish, ocean | <i>Caulolatilus princeps</i> |
| Yellowtail | <i>Seriola dorsalis</i> |
| Crab | <i>Cancer magister</i> |
| Crab, rock | Other species of <i>Cancer</i> |
| Lobster, spiny | <i>Panulirus interruptus</i> |
| Prawn | <i>Pandalus species</i> |
| Shrimp, bay | <i>Crago franciscorum</i> |
| | <i>Crago nigricauda</i> |
| Shrimp, ocean | <i>Pandalus jordani</i> |
| | <i>Pandalus platyceros</i> |

| <i>Common name</i> | <i>Scientific name</i> |
|--------------------|-------------------------------|
| Abalone | <i>Haliotis corrugata</i> |
| Pink | <i>Haliotis rufescens</i> |
| Red | <i>Haliotis fulgens</i> |
| Southern green | <i>Haliotis sorenseni</i> |
| White | |
| Clam | |
| Gaper | <i>Schizothaerus nuttalli</i> |
| Jackknife | <i>Tagelus californianus</i> |
| Pismo | <i>Tivela stultorum</i> |
| Washington | <i>Saxidomus nuttalli</i> |
| Octopus | <i>Paroctopus appolyon</i> |
| Oyster | |
| Eastern | <i>Crassostrea virginica</i> |
| Kumamoto | <i>Crassostrea gigas</i> var. |
| Native | <i>Ostrea lurida</i> |
| Pacific, giant | <i>Crassostrea gigas</i> |
| Squid | <i>Loligo opalescens</i> |

3. EXPLANATION OF TABLES

Tables published in this bulletin supply the complete available record of all fish, mollusks, and crustaceans landed in California by commercial fishing vessels or shipped into California for processing.

Fishing vessels possessing California Fish and Game plates and delivering fish to foreign ports for transshipment to California cannot always be identified and the bulk of their landings cannot be separated in the record. Shipment figures are complete for fish that are processed. Statistics on shipments of fish destined for sale, either fresh or frozen, or for transshipment are not included because our records are incomplete.

Condition or extent of cleaning is not always indicated on the source documents (fish receipts) and for the various species this cannot be ascertained. We therefore use the weight as given by the dealer.

Mollusks and crustaceans are often purchased by number or container size rather than by weight. It is desirable to show all catch figures in round weight. Hence appropriate average conversion factors have been developed as follows:

| | |
|-------------------------|---|
| Crab, market | 2 lbs. each |
| Abalone, red | 50 lbs. per doz. |
| Abalone, pink | 35 lbs. per doz. |
| Abalone, southern green | 35 lbs. per doz. |
| Clams, Mexican Pismo | 8 lbs. round wt. per 1 lb. cleaned wt. |
| Clams, Washington | 7 lbs. per doz. |
| Oyster, eastern | 30 lbs. per hundred |
| Oyster, giant Pacific | 50 lbs. per hundred |

The value of the species of fish is based on the value to the fishermen at the time of delivery. When the price per pound is not indicated on the fish receipt, an average price is calculated for each region and

applied to the unpriced fish. The statistical regions and counties contained therein are shown in Figure 1.

Occasionally small poundages of fish are sold in counties away from the coastal regions. In these instances credit is given to the nearest port and region. Halibut delivered to the San Francisco region in previous years was prorated and published as 90 percent Pacific halibut and 10 percent California halibut. Recent investigation indicates that 90 to 99 percent of the landings are California halibut, instead of Pacific halibut. Hence, all halibut landed in the San Francisco region is published as California halibut except when the variety is specifically designated as Pacific or Northern by the fish dealers.

Most notable change in this year's bulletin is the separation of the more important species of sole. Dover, English, petrale, rex and sand sole are recorded individually. Arrowtooth halibut, also separated, was formerly combined with the aforementioned species in the general sole category. This change was made to answer requests for the pounds and value of the separate species of sole. Changes cause problems, in this case anyone wanting to make comparisons with previous years sole landings would have to combine the species mentioned above with the general category, sole unclassified.

The trend in total landings is shown in Table 6 and Figure 7 for the years 1916-1955. The pounds and value for 1955 and 1956 are compared in Tables 7 and 8 and Figures 8 and 9. The number of licensed fishermen and boats registered yearly are given in Tables 9 through 13. The term "yearly" is used as it distinguishes license year April 1 through March 31 from calendar year as used in the remaining tables.

Detail poundages by species and regions for 1955 are included in Tables 14-23, and for 1956 in Tables 32-41. Value figures for 1955 are given in Tables 24-31 and for 1956 in Tables 42-49. The catch of the most important fish taken by party boat sportfishermen is given by numbers in Table 50 for the years 1947-1956. The live bait catch for 1952 through 1956 is included in Table 51.

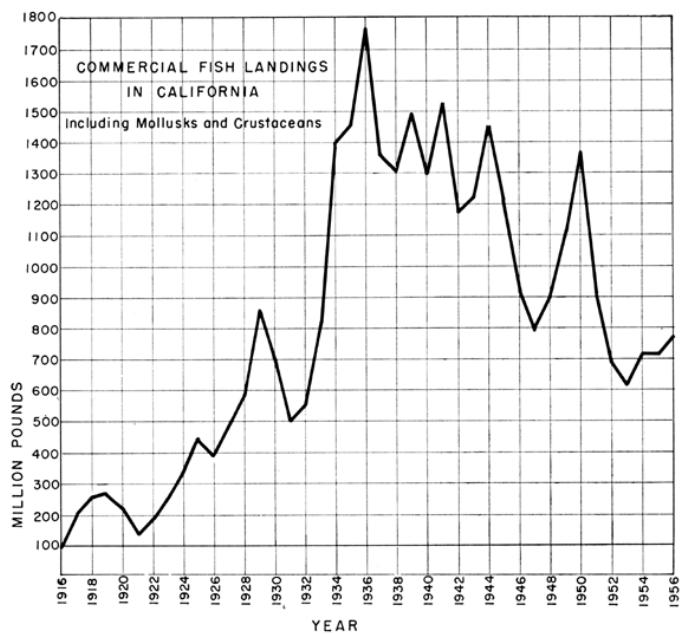


Figure 7. TOTAL ANNUAL LANDINGS AND SHIPMENTS INTO CALIFORNIA.
INCLUDES SARDINE DELIVERIES TO REDUCTION SHIPS 1930-1938
(SEE TABLE 6).

Figure 7. TOTAL ANNUAL LANDINGS AND SHIPMENTS INTO CALIFORNIA. INCLUDES SARDINE DELIVERIES TO REDUCTION SHIPS 1930-1938 (SEE TABLE 6)

TABLE 6

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

| Year | Pounds | Year | Pounds |
|-----------|---------------|-----------|---------------|
| 1916..... | 95,002,695 | 1936..... | 1,764,900,136 |
| 1917..... | 209,876,670 | 1937..... | 1,362,983,717 |
| 1918..... | 261,134,265 | 1938..... | 1,310,595,651 |
| 1919..... | 266,270,240 | 1939..... | 1,486,534,906 |
| 1920..... | 222,004,376 | 1940..... | 1,297,517,441 |
| 1921..... | 135,347,826 | 1941..... | 1,529,147,645 |
| 1922..... | 182,343,353 | 1942..... | 1,173,414,078 |
| 1923..... | 253,874,581 | 1943..... | 1,234,048,119 |
| 1924..... | 340,445,919 | 1944..... | 1,459,445,839 |
| 1925..... | 437,302,232 | 1945..... | 1,216,467,433 |
| 1926..... | 394,964,393 | 1946..... | 919,850,476 |
| 1927..... | 487,166,143 | 1947..... | 795,498,908 |
| 1928..... | 583,526,751 | 1948..... | 900,540,206 |
| 1929..... | 856,854,055 | 1949..... | 1,135,325,345 |
| 1930..... | 702,188,795 | 1950..... | 1,366,596,282 |
| 1931..... | 502,389,875 | 1951..... | 904,088,178 |
| 1932..... | 656,139,053 | 1952..... | 694,976,900 |
| 1933..... | 821,805,007 | 1953..... | 618,898,618 |
| 1934..... | 1,390,798,630 | 1954..... | 713,406,246 |
| 1935..... | 1,448,016,584 | 1955..... | 710,713,523 |
| | | 1956..... | 772,548,722 |

TABLE 6

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

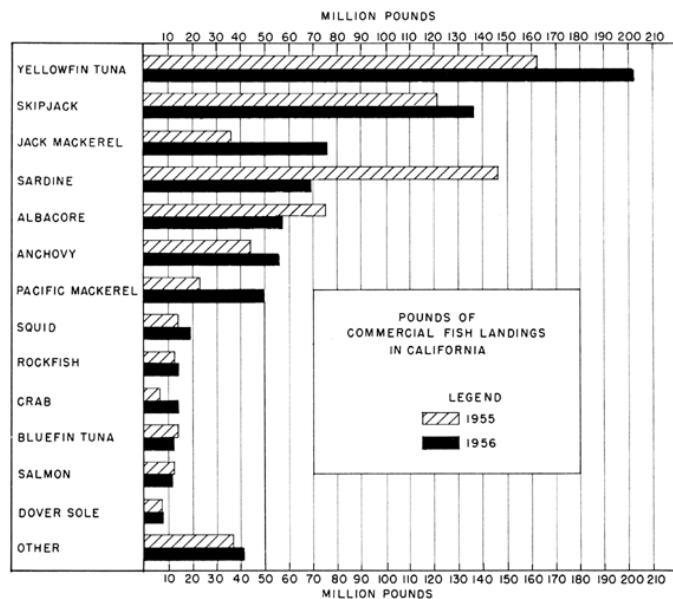


Figure 8 COMPARATIVE LANDINGS IN 1955 AND 1956 OF THE MORE IMPORTANT COMMERCIAL SPECIES. INCLUDES SHIPMENTS AND FISHING BOAT LANDINGS. (SEE TABLE 7).

Figure 8 COMPARATIVE LANDINGS IN 1955 AND 1956 OF THE MORE IMPORTANT COMMERCIAL SPECIES. INCLUDES SHIPMENTS AND FISHING BOAT LANDINGS. (SEE TABLE 7)

TABLE 7
Total Commercial Fish Landings and Shipments Into California

| 1955 | | 1956 | |
|---------------------------|-------------|---------------------------|-------------|
| Species | Pounds | Species | Pounds |
| Yellowfin tuna..... | 162,818,007 | Yellowfin tuna..... | 203,885,489 |
| Sardine..... | 145,607,749 | Skipjack..... | 135,995,434 |
| Skipjack..... | 120,524,979 | Jack mackerel..... | 75,762,110 |
| Albacore..... | 73,846,973 | Sardine..... | 69,561,145 |
| Anchovy..... | 44,691,582 | Albacore..... | 57,377,986 |
| Jack mackerel..... | 35,754,707 | Anchovy..... | 56,920,585 |
| Pacific mackerel..... | 23,311,211 | Pacific mackerel..... | 50,013,009 |
| Squid..... | 14,271,968 | Squid..... | 19,483,984 |
| Bluefin tuna..... | 13,952,523 | Rockfish..... | 14,943,515 |
| Rockfish..... | 12,681,697 | Crab..... | 14,320,450 |
| Salmon..... | 12,416,795 | Bluefin tuna..... | 12,788,843 |
| Dover sole..... | 8,185,501 | Salmon..... | 11,602,753 |
| Crab..... | 6,119,320 | Dover sole..... | 8,268,424 |
| Abalone..... | 4,185,875 | Giant Pacific oyster..... | 6,101,220 |
| English sole..... | 4,134,779 | Abalone..... | 4,284,063 |
| Petrale sole..... | 3,619,503 | English sole..... | 3,824,952 |
| Sablefish..... | 2,518,207 | Sablefish..... | 3,471,819 |
| Pacific herring..... | 1,946,521 | Petrale sole..... | 2,830,058 |
| Giant Pacific oyster..... | 1,635,067 | Pacific herring..... | 1,735,776 |
| Pismo clam..... | 1,578,976 | Hake..... | 1,376,217 |
| California barracuda..... | 1,140,059 | Pismo clam..... | 1,274,312 |
| Rex sole..... | 1,094,437 | Ocean shrimp..... | 1,168,519 |
| All others..... | 14,676,187 | Rex sole..... | 1,147,373 |
| | | White seabass..... | 1,090,710 |
| | | Shark..... | 1,085,314 |
| | | Arrowtooth halibut..... | 1,070,597 |
| | | All others..... | 11,164,056 |
| Total pounds..... | 710,713,523 | Total pounds..... | 772,548,722 |

2—72272

TABLE 7
Total Commercial Fish Landings and Shipments Into California

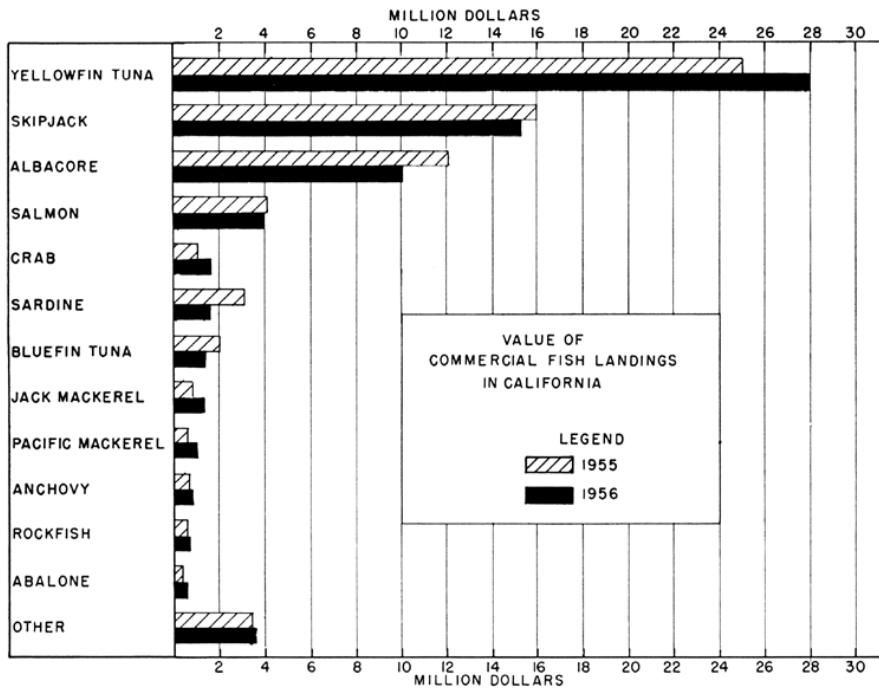


Figure 9. COMPARATIVE VALUES IN 1955 AND 1956 OF THE MORE IMPORTANT COMMERCIAL SPECIES. INCLUDES SHIPMENTS AND FISHING BOAT LANDINGS. (SEE TABLE 8).

Figure 9. COMPARATIVE VALUES IN 1955 AND 1956 OF THE MORE IMPORTANT COMMERCIAL SPECIES. INCLUDES SHIPMENTS AND FISHING BOAT LANDINGS. (SEE TABLE 8)

TABLE 8
Value of Commercial Fish Landings and Shipments Into California

| 1955 | | 1956 | |
|-----------------------|--------------|-----------------------|--------------|
| Species | Value | Species | Value |
| Yellowfin tuna..... | \$21,479,754 | Yellowfin tuna..... | \$28,003,737 |
| Skipjack..... | 15,984,232 | Skipjack..... | 15,544,901 |
| Albacore..... | 12,175,319 | Albacore..... | 10,075,357 |
| Salmon..... | 4,087,719 | Salmon..... | 4,030,755 |
| Sardine..... | 3,069,453 | Crab..... | 1,816,116 |
| Bluefin tuna..... | 1,985,392 | Sardine..... | 1,673,705 |
| Crab..... | 976,305 | Bluefin tuna..... | 1,669,979 |
| Jack mackerel..... | 711,724 | Jack mackerel..... | 1,531,587 |
| Anchovy..... | 596,584 | Pacific mackerel..... | 1,065,512 |
| Pacific mackerel..... | 531,657 | Anchovy..... | 721,792 |
| Rockfish..... | 513,851 | Rockfish..... | 630,848 |
| Spiny lobster..... | 433,719 | Abalone..... | 480,584 |
| Abalone..... | 423,253 | Dover sole..... | 391,299 |
| Dover sole..... | 395,452 | Spiny lobster..... | 384,722 |
| All others..... | 2,750,030 | All others..... | 3,084,101 |
| Total value..... | \$69,114,444 | Total value..... | \$71,105,005 |

TABLE 8
Value of Commercial Fish Landings and Shipments Into California

TABLE 9
Yearly Number of Licensed Commercial Fishermen in California

| | | | |
|----------------|--------|----------------|--------|
| 1947-1948..... | 12,894 | 1952-1953..... | 11,566 |
| 1948-1949..... | 14,261 | 1953-1954..... | 11,372 |
| 1949-1950..... | 14,982 | 1954-1955..... | 11,647 |
| 1950-1951..... | 14,600 | 1955-1956..... | 10,277 |
| 1951-1952..... | 13,193 | 1956-1957..... | 9,811 |

TABLE 9
Yearly Number of Licensed Commercial Fishermen in California

TABLE 10
Number of Commercial Fishermen Licensed by Region and License Year

| Region of residence | Number of fishermen | |
|---|---------------------|-----------|
| | 1955-1956 | 1956-1957 |
| Eureka..... | 843 | 1,016 |
| Sacramento..... | 472 | 383 |
| San Francisco..... | 1,309 | 1,413 |
| Monterey..... | 958 | 905 |
| Santa Barbara..... | 458 | 479 |
| Los Angeles..... | 3,162 | 2,685 |
| San Diego..... | 2,503 | 2,299 |
| Alaska, Washington and Oregon fishermen licensed in California..... | 528 | 599 |
| Mexican nationals licensed in California..... | 31 | 18 |
| Other registry..... | 13 | 14 |
| Totals..... | 10,277 | 9,811 |

TABLE 10
Number of Commercial Fishermen Licensed by Region and License Year

TABLE 11
Yearly Number of Fishing Boats, Grouped According to Length

| Season | Under 40 feet | 40 to 84 feet | 85 feet and over | Total |
|-----------|------------------|------------------|---------------------|-------|
| 1947-1948 | 3,639 | 1,201 | 202 | 5,042 |
| 1948-1949 | 4,088 | 1,378 | 256 | 5,722 |
| 1949-1950 | 4,294 | 1,595 | 271 | 6,160 |
| 1950-1951 | 4,127 | 1,710 | 266 | 6,103 |
| 1951-1952 | 3,927 | 1,631 | 279 | 5,837 |
| 1952-1953 | 3,599 | 1,583 | 272 | 5,454 |
| 1953-1954 | 3,589 | 1,595 | 246 | 5,430 |
| 1954-1955 | 3,167 | 1,520 | 215 | 4,902 |
| 1955-1956 | 2,949 | 1,297 | 204 | 4,450 |
| 1956-1957 | 2,886 | 1,267 | 199 | 4,352 |

TABLE 11
Yearly Number of Fishing Boats, Grouped According to Length

TABLE 12

Number of Fishing Boats, Grouped by Length and Region of Home Port During the 1955-1956 Season

| Region of home port | Number of boats, grouped by length | | | | | | Total number of boats for each region |
|-------------------------------|------------------------------------|------------------|------------------|------------------|------------------|----------------------|---|
| | Up to 24 feet | 25 to 39 feet | 40 to 64 feet | 65 to 84 feet | 85 to 99 feet | 100 feet and over | |
| Eureka | 145 | 247 | 84 | 4 | 1 | 2 | 483 |
| Sacramento | 30 | 164 | 9 | 1 | | | 204 |
| San Francisco | 52 | 518 | 167 | 4 | | 2 | 743 |
| Monterey | 146 | 237 | 62 | 21 | 2 | | 468 |
| Santa Barbara | 35 | 126 | 72 | 1 | | | 234 |
| Los Angeles | 199 | 637 | 367 | 88 | 35 | 17 | 1,343 |
| San Diego | 123 | 234 | 163 | 20 | 36 | 106 | 682 |
| Alaska, Washington and Oregon | 2 | 54 | 210 | 24 | | 3 | 293 |
| Total number of boats | 732 | 2,217 | 1,134 | 163 | 74 | 130 | 14,450 |

¹ The owners of 809 of these vessels were issued fishing party permits.

TABLE 12

Number of Fishing Boats, Grouped by Length and Region of Home Port During the 1955-1956 Season

TABLE 13

Number of Fishing Boats, Grouped by Length and Region of Home Port During the 1956-1957 Season

| Region of home port | Number of boats, grouped by length | | | | | | Total number of boats for each region |
|-------------------------------|------------------------------------|------------------|------------------|------------------|------------------|----------------------|---|
| | Up to 24 feet | 25 to 39 feet | 40 to 64 feet | 65 to 84 feet | 85 to 99 feet | 100 feet and over | |
| Eureka | 191 | 270 | 90 | 4 | 1 | 2 | 558 |
| Sacramento | 31 | 156 | 5 | | | | 192 |
| San Francisco | 101 | 499 | 157 | 10 | | | 767 |
| Monterey | 130 | 242 | 78 | 21 | 2 | | 473 |
| Santa Barbara | 33 | 136 | 65 | 3 | | | 237 |
| Los Angeles | 169 | 535 | 340 | 73 | 34 | 19 | 1,170 |
| San Diego | 99 | 215 | 166 | 24 | 35 | 102 | 641 |
| Alaska, Washington and Oregon | 3 | 76 | 213 | 18 | 3 | 1 | 314 |
| Total number of boats | 757 | 2,129 | 1,114 | 153 | 75 | 124 | 14,352 |

¹ The owners of 722 of these vessels were issued fishing party permits.

TABLE 13

Number of Fishing Boats, Grouped by Length and Region of Home Port During the 1956-1957 Season

TABLE 14
Origin of Shipments of Fresh Fish Into California During 1955

| Shipped from | Shipped to | | | | | Total pounds |
|--|----------------------|-----------------|----------------------|--------------------|------------------|--------------|
| | San Francisco region | Monterey region | Santa Barbara region | Los Angeles region | San Diego region | |
| Continental United States: | | | | | | |
| Eel..... | | | | 508 | | 508 |
| Shad..... | 21,568 | | | | | 21,568 |
| Tuna, yellowfin (Gulf of Mexico)..... | | | | 23,007 | | 23,007 |
| Miscellaneous fish..... | 6,150 | | | 114,180 | | 120,330 |
| Oregon, Washington, Canada and Alaska: | | | | | | |
| Halibut, Pacific..... | 40,529 | | | | | 40,529 |
| Sablefish..... | 221,689 | | | 230,781 | | 452,470 |
| Salmon..... | 81,656 | | | 356,051 | | 438,307 |
| Shad..... | 6,285 | | | | | 6,285 |
| Sturgeon..... | | | | 21,665 | | 21,665 |
| Miscellaneous fish..... | 10,940 | | | 95 | | 11,035 |
| South of the international boundary: | | | | | | |
| Cabrilla..... | | | | 15,362 | 982 | 16,344 |
| Grouper..... | | | | 9,544 | 921 | 10,465 |
| Halibut, California..... | | | | | 10,460 | 10,460 |
| Mackerel, Pacific..... | | | | | 909 | 909 |
| Sculpin..... | | | | | 674 | 674 |
| Seabass, white..... | | | | | 263 | 263 |
| Tuna, albacore..... | | | | | 3,193 | 3,193 |
| Tuna, skipjack..... | | | | 156,791 | 215,777 | 372,568 |
| Tuna, yellowfin..... | | | | 87,014 | 64,395 | 151,409 |
| Wahoo..... | | | | 132 | | 132 |
| Mollusk: | | | | | | |
| Clam, Pismo..... | | | | 1,578,976 | | 1,578,976 |
| South America: | | | | | | |
| Bonito..... | | | | 2,935 | | 2,935 |
| Tuna, albacore..... | | | | 392,641 | 2,876 | 395,517 |
| Tuna, bigeye..... | 12,186 | | 2,530 | 5,896 | | 20,612 |
| Tuna, skipjack..... | 1,136,739 | 376,491 | | 10,028,686 | 6,571,123 | 18,113,039 |
| Tuna, yellowfin..... | 47,183 | 226,139 | | 3,457,755 | 3,866,642 | 7,597,719 |
| Japan: | | | | | | |
| Salmon..... | | | | 746 | | 746 |
| Swordfish..... | | | | 1,081 | | 1,081 |
| Tuna, albacore..... | 4,787,991 | | | 38,785,908 | 869,066 | 44,445,965 |
| Tuna, bigeye..... | 100,277 | | | 391,645 | | 491,922 |
| Tuna, skipjack..... | 7,513,530 | | 2,338,254 | 148,116 | | 148,416 |
| Tuna, yellowfin..... | | | | 22,902,224 | | 32,754,008 |
| Australia: | | | | | | |
| Tuna, bluefin..... | | | | 343,346 | | 343,346 |
| Total pounds..... | 13,896,723 | 602,630 | 2,340,784 | 79,058,985 | 11,607,281 | 107,596,403 |

Recapitulation

| | Pounds | | Pounds |
|--------------------------|---------|-------------------------|-------------|
| Bonito..... | 2,938 | Sturgeon..... | 21,665 |
| Cabrilla..... | 16,344 | Swordfish..... | 1,081 |
| Eel..... | 508 | Tuna, albacore..... | 44,844,675 |
| Grouper..... | 10,465 | Tuna, bigeye..... | 512,534 |
| Halibut, California..... | 10,460 | Tuna, bluefin..... | 343,346 |
| Halibut, Pacific..... | 40,529 | Tuna, skipjack..... | 18,634,023 |
| Mackerel, Pacific..... | 909 | Tuna, yellowfin..... | 40,526,143 |
| Sablefish..... | 452,470 | Wahoo..... | 132 |
| Salmon..... | 439,053 | Miscellaneous fish..... | 131,365 |
| Sculpin..... | 674 | Mollusk: | |
| Seabass, white..... | 263 | Clam, Pismo..... | 1,578,976 |
| Shad..... | 27,853 | Total pounds..... | 107,596,403 |

TABLE 14
Origin of Shipments of Fresh Fish Into California During 1955

TABLE 15
Origin of the Commercial Fish Landings and Shipments Into California During 1955
Fishing Boat Landings

| Species | Fishing boat landings | | | | Shipments ¹ | Total pounds of fishing boat landings and shipments combined |
|--------------------------------|-----------------------|-----------------------------|-------------------------------------|-----------------------------|------------------------|--|
| | California | North of the state boundary | South of the international boundary | Total fishing boat landings | | |
| Anchovy..... | 44,691,582 | | | 44,691,582 | | 44,691,582 |
| Barracuda, California..... | 322,831 | | 818,128 | 1,140,959 | | 1,140,959 |
| Bonito..... | 40,354 | | 96,636 | 136,990 | 2,935 | 139,925 |
| Cabezon..... | 6,944 | | | 6,944 | | 6,944 |
| Cabrilla..... | | | 100,769 | 100,769 | 16,344 | 117,113 |
| Carp..... | 734,518 | | | 734,518 | | 734,518 |
| Croaker, white (kingfish)..... | 818,997 | | 491 | 819,488 | | 819,488 |
| Eel..... | | | | | 508 | 508 |
| Flounder..... | 646,948 | | 3,232 | 650,180 | | 650,180 |
| Flyingfish..... | 22,565 | | | 22,565 | | 22,565 |
| Grouper..... | | | 245,520 | 245,520 | 10,465 | 255,985 |
| Hake..... | 883,007 | 73,538 | | 956,545 | | 956,545 |
| Halfmoon..... | 34,050 | | 360 | 34,410 | | 34,410 |
| Halibut, arrowtooth..... | 684,123 | | 64,126 | 748,249 | | 748,249 |
| Halibut, California..... | 363,834 | | | 145,968 | 509,802 | 520,262 |
| Halibut, Pacific..... | 51,942 | | | 51,942 | 40,529 | 92,471 |
| Hardhead..... | 64,436 | | | 64,436 | | 64,436 |
| Herring, Pacific..... | 1,946,521 | | | 1,946,521 | | 1,946,521 |
| Lingcod..... | 934,200 | | 30,726 | 964,926 | | 964,926 |
| Mackerel, jack..... | 35,754,707 | | | 35,754,707 | | 35,754,707 |
| Mackerel, Pacific..... | 23,310,005 | | 297 | 23,310,302 | 909 | 23,311,211 |
| Opah..... | 6,117 | | | 6,117 | | 6,117 |
| Perch..... | 136,554 | | | 136,554 | | 136,554 |
| Pompano, California..... | 79,294 | | 10 | 79,304 | | 79,304 |
| Ratfish..... | 18,533 | | | 18,533 | | 18,533 |
| Rock bass..... | | | 5,862 | 5,862 | | 5,862 |
| Rockfish..... | 12,345,411 | 269,001 | 67,285 | 12,681,697 | | 12,681,697 |
| Sablefish..... | 2,010,112 | | 55,625 | 2,065,737 | 452,470 | 2,518,207 |
| Salmon..... | 11,939,364 | | 38,378 | 11,977,742 | 439,053 | 12,416,795 |
| Sanddab..... | 778,839 | | 2,688 | 781,527 | | 781,527 |
| Sardine..... | 145,607,749 | | | 145,607,749 | | 145,607,749 |
| Sargo, California..... | 695 | | | 695 | | 695 |
| Sculpin..... | 105,174 | | 2,851 | 108,025 | 674 | 108,699 |
| Sculpin, staghorn..... | 1,201 | | | 1,201 | | 1,201 |
| Sea bass, black..... | 7,663 | | | 357,824 | 365,487 | 365,487 |
| Seabass, white..... | 544,953 | | 369,912 | 914,865 | 263 | 915,128 |
| Seatrout, greenling..... | 752 | | | 752 | | 752 |
| Shad..... | 478,454 | | | 478,454 | 27,853 | 506,307 |
| Shark..... | 546,968 | | 29,233 | 576,201 | | 576,201 |
| Sheep-head..... | 10,966 | | | 2,186 | 13,132 | 13,132 |
| Sierra..... | | | 4,240 | 4,240 | | 4,240 |
| Skate..... | 152,622 | | | 152,622 | | 152,622 |
| Smelt..... | 780,172 | | | 780,172 | | 780,172 |
| Sole, Dover..... | 7,204,089 | 981,412 | | 8,185,501 | | 8,185,501 |
| Sole, English..... | 4,111,676 | 23,103 | | 4,134,779 | | 4,134,779 |
| Sole, petrale..... | 3,340,080 | 278,523 | | 3,619,503 | | 3,619,503 |
| Sole, rex..... | 1,070,834 | 23,603 | | 1,094,437 | | 1,094,437 |
| Sole, sand..... | 91,590 | 982 | | 92,572 | | 92,572 |
| Sole, unclassified..... | 19,452 | | | 19,452 | | 19,452 |
| Splittail..... | 1,590 | | | 1,590 | | 1,590 |
| Squawfish..... | 114 | | | 114 | | 114 |
| Sturgeon..... | | | 22,012 | 134,659 | 21,665 | 21,665 |
| Swordfish..... | 112,647 | | | 2,869 | 1,081 | 135,740 |
| Tomcod..... | 2,869 | | | | | 2,869 |
| Tuna, albacore..... | 9,312,029 | | 19,690,269 | 29,002,298 | 44,844,675 | 73,846,973 |
| Tuna, bigeye..... | | | | | 512,634 | 512,534 |
| Tuna, bluefin..... | 2,477,735 | | 11,131,442 | 13,609,177 | 343,346 | 13,952,523 |
| Tuna, skipjack..... | 1,236 | | 101,889,720 | 101,890,956 | 18,634,023 | 120,524,979 |
| Tuna, yellowfin..... | | | 122,291,864 | 122,291,864 | 40,526,143 | 162,818,007 |
| Turbot..... | 99,981 | 505 | | 100,486 | | 100,486 |

TABLE 15
Origin of the Commercial Fish Landings and Shipments Into California During 1955 Fishing Boat Landings

TABLE 15—Continued
Origin of the Commercial Fish Landings and Shipments Into California During 1955
Fishing Boat Landings

| Species | Fishing boat landings | | | Shipments ¹ | Total pounds of fishing boat landings and shipments combined |
|----------------------------|-----------------------|-----------------------------|-------------------------------------|------------------------|--|
| | California | North of the state boundary | South of the international boundary | | |
| Wahoo..... | | | 22,862 | 22,862 | 22,694 |
| Whitebait..... | 214,558 | | | 214,558 | 214,558 |
| Whitefish, ocean..... | 2,267 | | 1,045 | 2,312 | 2,312 |
| Yellowtail..... | 5,370 | | 158,752 | 164,322 | 164,322 |
| Miscellaneous fish..... | 4,486 | | | 4,486 | 135,851 |
| Crustacean: | | | | | |
| Crab..... | 6,113,884 | 5,436 | | 6,119,320 | 6,119,320 |
| Crab, rock..... | 54,051 | | | 54,051 | 54,051 |
| Lobster, spiny..... | 855,416 | | 3,709 | 859,125 | 859,125 |
| Prawn..... | 1,164 | | | 1,164 | 1,164 |
| Shrimp, bay..... | 682,731 | | | 682,731 | 682,731 |
| Shrimp, ocean..... | 838,556 | 100 | | 838,656 | 838,656 |
| Mollusk: | | | | | |
| Abalone..... | 4,185,875 | | | 4,185,875 | 4,185,875 |
| Clam, gaper..... | 2,002 | | | 2,002 | 2,002 |
| Clam, jackknife..... | 36,837 | | | 36,837 | 36,837 |
| Clam, Pismo..... | | | | 1,578,976 | 1,578,976 |
| Clam, Washington..... | 7,491 | | | 7,491 | 7,491 |
| Octopus..... | 26,346 | | | 26,346 | 26,346 |
| Oyster, eastern..... | 140,918 | | | 140,918 | 140,918 |
| Oyster, native..... | 18,560 | | | 18,560 | 18,560 |
| Oyster, giant Pacific..... | 1,635,067 | | | 1,635,067 | 1,635,067 |
| Squid..... | 14,271,968 | | | 14,271,968 | 14,271,968 |
| Miscellaneous mollusk..... | 169 | | | 169 | 169 |
| Total pounds..... | 343,806,895 | 1,850,978 | 257,459,247 | 603,117,120 | 107,596,403 |
| | | | | | 710,713,523 |

¹ For origin of shipments refer to Table 14.

TABLE 15
Origin of the Commercial Fish Landings and Shipments Into California During 1955 Fishing Boat Landings

TABLE 16
Monthly Landings and Shipments Into California During 1955

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds | |
|-------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|--------------|---------|
| Fishing boat landings: | | | | | | | | | | | | | | |
| Angler | 5,10,279 | 4,619,079 | 7,021,213 | 3,920,198 | 7,610,755 | 2,965,430 | 2,959,995 | 3,119,361 | 723,880 | 409,477 | 1,934,016 | 1,759,885 | 44,991,882 | |
| Barnacles, California | 26,508 | 171,649 | 154,617 | 28,766 | 160,765 | 112,109 | 49,516 | 66,639 | 83,993 | 90,197 | 58,750 | 179,450 | 1,140,559 | |
| Bonito | 77,929 | 11,629 | 973 | — | 2,273 | 1,803 | 399 | 108 | 883 | 4,028 | 1,311 | 23,056 | 12,191 | |
| Cod | 2,560 | 2,560 | 2,560 | 2,560 | 2,560 | 2,560 | 2,560 | 2,560 | 2,560 | 2,560 | 2,560 | 2,560 | 12,690 | |
| Cabilla | 24,973 | 8,473 | 17,209 | 2,735 | 5,882 | 12,906 | — | 3,199 | — | 6,345 | 10,015 | 9,027 | 100,760 | |
| Carp | 48,985 | 43,639 | 46,285 | 57,891 | 82,941 | 38,115 | 31,967 | 25,008 | 70,118 | 62,325 | 62,833 | 116,421 | 731,418 | |
| Croaker, white (Kingfish) | 14,298 | 14,175 | 68,903 | 47,361 | 235,054 | 58,785 | 65,569 | 45,514 | 126,326 | 79,337 | 38,252 | 26,231 | 819,488 | |
| Fish, salmon | 21,181 | 9,893 | 77,113 | 24,173 | 94,963 | 34,111 | 48,341 | 16,725 | 90,302 | 35,012 | 34,586 | 6,830 | 660,380 | |
| Flyingfish | — | — | — | — | 4,663 | 10,809 | 3,874 | 588 | 2,531 | — | — | — | 22,565 | |
| Grouper | 77,418 | 35,524 | 21,315 | 7,699 | 2,779 | 25,695 | 588 | 3,048 | — | 17,095 | 18,111 | 36,267 | 245,829 | |
| Jacks | 22,697 | 3,975 | 28,420 | 73,821 | 32,267 | 100,765 | 132,634 | 205,039 | 138,227 | 122,561 | 51,749 | 27,374 | 956,545 | |
| Jallinos | — | — | — | — | — | — | — | — | — | — | — | — | 10 | |
| Jalisco, Argentina | 1,900 | — | 3,491 | — | — | — | — | — | — | — | 1,241 | — | 1,241 | |
| Jalisco, California | 18,800 | 5,588 | 32,653 | 89,233 | 23,346 | 94,179 | 102,190 | 159,638 | 75,558 | 87,334 | 44,760 | 15,550 | 718,249 | |
| Jalisco, Pacific | 73,079 | 63,500 | 53,075 | 38,522 | 28,103 | 27,364 | 47,821 | 43,269 | 24,643 | 41,944 | 31,131 | 37,780 | 500,392 | |
| Jarib | — | — | — | — | — | — | — | — | — | — | — | — | 51,912 | |
| Jackfish | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Hake | 5,511 | 6,611 | 11,634 | 2,639 | 3,879 | 64 | 80 | — | 54 | 3,756 | 11,218 | 11,031 | 64,436 | |
| Herring, Pacific | 266,030 | 320,911 | 107,262 | 94,199 | 230,985 | 109,985 | 184,820 | 34,227 | 37,015 | 3,094 | 22,154 | 1,946,821 | — | |
| Lingcod | 19,933 | 43,055 | 93,361 | 83,641 | 86,255 | 160,689 | 127,280 | 122,279 | 84,145 | 80,377 | 36,922 | 24,015 | 964,926 | |
| Mackerel, California | 104,040 | 31,160 | 1,000,100 | 1,100,000 | 1,200,000 | 1,200,000 | 1,200,000 | 1,200,000 | 1,200,000 | 1,200,000 | 1,200,000 | 1,200,000 | 1,200,000 | |
| Mackerel, Pacific | 97,059 | 1,048,755 | 2,032,963 | 160,331 | 1,153,114 | 1,341,328 | 2,872,882 | 3,654,873 | 1,700,620 | 2,377,729 | 2,736,826 | 3,942,204 | 23,310,302 | |
| Oblada | 228 | 233 | 471 | — | 1,205 | 850 | 118 | 648 | 980 | 827 | 548 | 6,117 | — | |
| Perc | 7,580 | 8,730 | 34,528 | 28,892 | — | — | 810 | 10,728 | 20,818 | 11,381 | 5,655 | 3,479 | 3,943 | 126,551 |
| Pompano, California | 77 | 616 | 4,420 | 11,219 | 4,590 | 17,550 | 9,992 | 5,584 | 4,049 | 3,996 | 2,004 | 2,004 | 2,004 | 18,833 |
| Rock bass | 1,920 | 2,142 | 837 | — | 5,759 | 95 | — | — | 400 | 2,665 | 3,100 | — | 5,862 | |
| Rockfish | 1,060,318 | 1,264,196 | 1,415,816 | 923,430 | 1,021,821 | 1,168,138 | 927,308 | 1,056,547 | 1,066,630 | 1,233,914 | 909,411 | 776,107 | 12,881,697 | |
| Sablefish | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Sardines, California | 138,000 | 144,000 | 272,400 | 235,000 | 151,000 | 141,000 | 151,000 | 151,000 | 180,000 | 130,000 | 130,000 | 121,000 | 1,045,523 | |
| Sardines, Pacific | 3,971 | 993 | 993 | 15,696 | 1,834,820 | 2,771,558 | 2,350,796 | 2,350,796 | 3,092,820 | 136 | 2,652 | 2,974 | 11,977,742 | |
| Sandlance | 38,235 | 50,048 | 55,462 | 56,734 | 69,077 | 73,045 | 61,731 | 58,903 | 76,106 | 48,938 | 56,003 | 31,126 | 781,327 | |
| Sardine | 1,081,614 | 95,490 | 122,533 | 64,342 | 171,913 | 291,904 | 231,130 | 412,750 | 625,299 | 27,618,620 | 74,145,999 | 69,872,162 | 118,807,749 | |
| Sargo, California | — | — | — | — | — | — | — | — | — | — | — | — | 605 | |
| Sole, black | 6,299 | 8,626 | 9,036 | 2,180 | 5,103 | 24,880 | 23,916 | 19,987 | 3,999 | 1,412 | 2,977 | 1,561 | 108,235 | |
| Sole, staghorn | 69 | — | — | — | — | — | — | — | 125 | 305 | 403 | 308 | 1,291 | |
| Sea bass, black | 18,402 | 22,514 | 40,014 | 37,303 | 11,612 | 33,998 | 4,083 | 14,243 | 31,111 | 411 | 57,982 | 51,330 | 365,157 | |
| Seahorse, white | 14,916 | 35,092 | 39,981 | 10,235 | 18,153 | 91,299 | 63,436 | 178,739 | 202,141 | 88,212 | 61,639 | 21,350 | 914,865 | |

THE MARINE FISH CATCH OF CALIFORNIA

41

| | | | | | | | | | | | | | | |
|----------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|------------|-------------|-------------|
| Seatrout, greenling..... | 193 | 61 | 13,292 | 113,306 | 351,020 | 746 | 183 | 123 | 59 | 87 | 36 | ----- | 475,454 | |
| Shad..... | 33,051 | 56,180 | 29,305 | 52,427 | 35,630 | 26,760 | 317,32 | 60,666 | 34,643 | 40,178 | 138,601 | 57,201 | 13,162 | |
| Shark..... | 2,194 | 3,060 | 1,805 | 680 | 61 | 199 | 225 | 832 | 76 | 814 | 1,587 | 1,719 | 4,240 | |
| Sheep-head..... | 3,980 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | |
| Sierra..... | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | |
| Skate..... | 19,395 | 22,684 | 22,225 | 11,836 | 19,135 | 4,595 | 4,418 | 13,355 | 9,288 | 8,255 | 9,358 | 159,622 | 159,622 | |
| Smelt..... | 29,384 | 106,247 | 159,035 | 111,320 | 98,836 | 1,325 | 4,595 | 1,355 | 1,035 | 1,035 | 1,035 | 1,035 | 1,035 | |
| Sole, Dover..... | 52,065 | 63,447 | 89,755 | 89,639 | 80,962 | 1,235 | 1,544 | 1,455 | 1,455 | 1,455 | 1,455 | 1,455 | 1,455 | |
| Sole, petrale..... | 313,332 | 390,121 | 313,805 | 313,805 | 313,805 | 1,255 | 862 | 1,455 | 1,455 | 1,455 | 1,455 | 1,455 | 1,455 | |
| Sole, petrale..... | 388,664 | 125,288 | 187,577 | 187,577 | 187,577 | 182,006 | 367,573 | 288,575 | 432,241 | 349,875 | 321,232 | 568,139 | 413,506 | |
| Sole, rex..... | 101,613 | 87,733 | 129,855 | 97,857 | 70,578 | 95,110 | 73,802 | 80,470 | 88,696 | 103,480 | 98,805 | 66,288 | 3,763 | |
| Sole, sand..... | 10,008 | 14,250 | 4,827 | 3,053 | 8,206 | 1,289 | 87 | 21,283 | 16,106 | 16,694 | 17,651 | 4,056 | 92,572 | |
| Sole, unclassified..... | 972 | 2,193 | 5,997 | 1,231 | 1,117 | 2,845 | 1,628 | 1,126 | 1,254 | 1,254 | 1,254 | 1,254 | 1,254 | |
| Splittail..... | 831 | 681 | 22 | 25 | 82 | ----- | ----- | ----- | 571 | 313 | 185 | 185 | 1,690 | |
| Squawfish..... | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 114 | |
| Swordfish..... | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | |
| Tonocod..... | ----- | ----- | ----- | ----- | 97 | ----- | ----- | 3,052 | 34,656 | 62,557 | 39,004 | 5,410 | 134,650 | |
| Tuna, albacore..... | 1,377 | 54,517 | 137,617 | 111,477 | 12,286,126 | 8,530,329 | 1,372,014 | 1,602 | 8,033,982 | 7,203,156 | 108 | 108 | 108 | 29,005,268 |
| Tuna, bluefin..... | 241,839 | 9,944,573 | 6,156,204 | 10,100,934 | 10,100,934 | 10,100,934 | 1,650,735 | 7,247,060 | 8,47,550 | 4,053,530 | 2,32,023 | 1,251,091 | 1,251,091 | 13,906,177 |
| Tuna, skipjack..... | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | |
| Tuna, yellowfin..... | 4,692,625 | 2,811,549 | 3,668,043 | 8,037,519 | 16,571,519 | 12,282,536 | 24,562,482 | 1,152,059 | 16,240,149 | 2,377,468 | 13,433,476 | 16,096,631 | 17,656,327 | 122,291,864 |
| Turbot..... | 14,705 | 19,453 | 6,709 | 3,136 | 10,670 | 875 | 5,174 | 1,032 | 7,967 | 13,010 | 8,549 | 7,450 | 6,810 | 104,486 |
| Wahoo..... | 1,470 | 1,470 | 1,470 | 1,470 | 1,470 | 1,470 | 1,470 | 1,470 | 1,470 | 1,470 | 1,470 | 1,470 | 1,470 | 22,862 |
| Whitebait..... | 38,391 | 36,149 | 12,581 | 16,704 | 27,447 | 45,823 | 16,807 | 9,804 | 4,389 | 692 | 965 | 4,726 | 214,558 | |
| Whitefish, ocean..... | 45,330 | 6,833 | 26,508 | 1,512 | 7,406 | 11,290 | 924 | 32 | 15,501 | 365 | 29,910 | 13,166 | 16,322 | |
| Yellowtail..... | 62 | 333 | 117 | 960 | 2,588 | 286 | 34 | 34 | 34 | 10 | 11,470 | 11,177 | 16,436 | |
| Miscellaneous fish..... | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | |
| Crustacean: | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | |
| Crab, rock..... | 860,044 | 594,401 | 429,801 | 155,126 | 128,326 | 183,168 | 277,359 | 286 | 3,387 | 3,112 | 5,342 | 1,686,030 | 1,814,709 | |
| Lobster, spiny..... | 82,770 | 6,349 | 3,049 | 1,834 | 4,564 | 4,112 | 16,218 | 16,218 | 16,218 | 16,218 | 16,218 | 16,218 | 16,218 | |
| Prawn..... | 145,483 | 110,476 | 102,443 | 117 | 117 | 117 | 23 | 13 | 13 | 200 | 143,726 | 139,807 | 850,125 | |
| Shrimp, bay..... | 22,398 | 30,686 | 38,985 | 42,935 | 76,578 | 92,556 | 91,273 | 113 | 113 | 113 | 113 | 113 | 113 | |
| Shrimp, ocean..... | ----- | ----- | ----- | ----- | 91,523 | 247,401 | 216,264 | 165,222 | 112,121 | 112,121 | 112,121 | 112,121 | 112,121 | |
| Mollusk: | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | |
| Aalone..... | 184,013 | 440 | 387,236 | 212,778 | 509,305 | 521,118 | 422,664 | 384,218 | 480,068 | 346,420 | 407,705 | 330,230 | 4,185,875 | |
| Clam, gaper..... | 130 | 140 | 3,309 | 3,309 | 4,002 | 2,230 | 2,230 | 2,230 | 6,012 | 3,134 | 1,986 | 1,986 | 5,051 | |
| Clam, jackknife..... | 1,302 | 1,302 | 2,693 | 2,693 | 2,235 | 4,939 | 6,458 | 6,458 | 6,458 | 6,458 | 6,458 | 6,458 | 34,832 | |
| Clam, Washington..... | 6,733 | 8,181 | 5,835 | 1,474 | 1,668 | 1,414 | 1,234 | 1,355 | 518 | 441 | 461 | 461 | 4,491 | |
| Octopus..... | 3,719 | 3,719 | 3,719 | 3,719 | 3,719 | 3,719 | 3,719 | 3,719 | 3,719 | 3,719 | 3,719 | 3,719 | 26,346 | |
| Oyster, eastern..... | 13,201 | 12,045 | 14,835 | 13,452 | 11,400 | 9,930 | 8,095 | 4,228 | 11,656 | 14,082 | 13,767 | 13,767 | 14,091,918 | |
| Oyster, native..... | 678 | 170,466 | 141,707 | 115,815 | 165 | 1,403 | 4,084 | 3,586 | 5,172 | 5,684 | 175,171 | 175,171 | 175,171 | |
| Oyster, giant Pacific..... | 165,310 | 394,180 | 409,535 | 4,985,723 | 1,411,040 | 988,067 | 44,184 | 49,706 | 94,710 | 17,809 | 399,060 | 1,835,067 | 1,835,067 | |
| Squid..... | 20,545 | 394,180 | 409,535 | 3 | 3 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | |
| Miscellaneous mollusk..... | 37 | 40 | 20 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 169 | |
| Total pounds..... | 26,213,290 | 20,798,290 | 29,750,393 | 36,807,586 | 38,472,098 | 48,193,485 | 48,853,715 | 60,296,098 | 23,865,750 | 44,545,047 | 126,266,543 | 68,824,094 | 603,117,120 | |

TABLE 16—Cont'd.

TABLE 16—Continued
Monthly Landings and Shipments Into California During 1955

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|--------------|
| Shipments ¹ | | | | | | | | | | | | | |
| Bonito..... | | | | | 9,542 | 2,935 | | | | | | | 2,835 |
| Catfish..... | | | | | 2,609 | 1,206 | | | | | | | 16,244 |
| Fish, total..... | | | | 27 | 4,370 | 3,053 | 3,015 | | | | | | 10,465 |
| Grouper Halibut, California..... | 2,130 | | 8,065 | 3,327 | | | | | | | | | 10,469 |
| Haddock, Pacific..... | 3,079 | | 3,091 | | | 3,413 | | 3,000 | | 13,999 | 14,000 | | 49,529 |
| Mackerel, Pacific..... | | | | | | 399 | | | | | | | |
| Sablefish..... | 18,736 | | 48,089 | 36,094 | 81,144 | 12,055 | 56,288 | 52,929 | 41,580 | 32,281 | 26,722 | 41,343 | 432,470 |
| Salmon..... | 36,000 | | 85,168 | 72,480 | 993 | 83,063 | 6,097 | 6,673 | 20,242 | 20,389 | 44,841 | 6,000 | 639,000 |
| Sealions..... | | | | | | | 674 | | | | | | 674 |
| Seahorse, white..... | | | | 263 | | | | | | | | | 263 |
| Shad..... | | | | | 6,905 | 10,647 | 4,115 | 6,385 | | | | | 37,453 |
| Sturgeon..... | | | | 1,724 | 1,985 | | 10,416 | 1,334 | | | | | 21,091 |
| Swordfish..... | | 125 | | 149 | | 292 | 514 | | | | | | 1,091 |
| Tuna, albacore..... | 4,488,611 | 5,364,268 | 5,887,901 | 5,715,333 | 4,156,850 | 2,104,395 | 5,099,872 | 7,232,460 | 427,269 | 247,492 | 1,696,469 | 2,425,754 | 44,841,675 |
| Tuna, bigeye..... | | 12,186 | | | | 40,600 | 216,330 | 58,035 | | | | | 81,783 |
| Tuna, skipjack..... | 182,281 | | | | 180,062 | | | | | | | | 512,504 |
| Tuna, yellowfin..... | 1,083,678 | 1,071,942 | 3,091,955 | 1,899,587 | 1,900,342 | 2,326,297 | 2,328,231 | 1,711,295 | | | | | 1,082,222 |
| Wahoo..... | 2,654,058 | 1,370,369 | 3,310,275 | 3,884,654 | 4,897,922 | 6,392,678 | 4,051,913 | 5,614,820 | 1,537,071 | 699,255 | 2,750,621 | 3,378,497 | 10,453,143 |
| Miscellaneous fish..... | 17,750 | 2,195 | 25,700 | | 39,000 | | 500 | | 18,400 | 29,000 | | 3,000 | 131,365 |
| Mollusk: | | | | | | | | | | | | | |
| Clam, Pismo..... | 54,816 | 332,160 | | | | 535,000 | | 640,000 | | | | | 1,578,976 |
| Total pounds..... | 9,421,240 | 8,228,818 | 12,448,014 | 11,231,540 | 10,985,723 | 10,997,455 | 12,421,481 | 14,811,892 | 2,688,640 | 2,777,411 | 4,737,037 | 7,024,643 | 107,206,403 |
| Grand total fishing boat landings and shipments..... | 35,631,530 | 29,038,678 | 42,198,407 | 48,039,126 | 49,337,773 | 59,100,640 | 61,375,166 | 73,317,606 | 26,552,310 | 47,322,458 | 131,027,500 | 105,836,649 | 710,713,823 |

¹ For origin of shipments refer to Table 14.

DEPARTMENT OF FISH AND GAME

TABLE 16
Monthly Landings and Shipments Into California During 1955

TABLE 17
Monthly Landings of the Commercial Fishing Boats in the Eureka Region During 1955

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|---|-----------|----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|----------|-----------|--------------|
| Fishing boat landings from California waters | | | | | | | | | | | | | |
| Flounder..... | 688 | 1,217 | 9,953 | 997 | 29,334 | 19,332 | 20,010 | 36,357 | 24,262 | 5,496 | 7,845 | 651 | 17,045 |
| Hake..... | 22,057 | 5,655 | 17,725 | 70,339 | 10,492 | 43,696 | 69,307 | 88,317 | 44,569 | 95,746 | 35,737 | 22,588 | 321,148 |
| Haddock, north..... | 17,000 | 5,068 | 13,384 | 83,974 | 22,027 | 80,271 | 139,717 | 84,341 | 41,590 | 86,745 | 42,069 | 13,912 | 632,511 |
| Haddock, Pacific..... | 36,137 | 42,471 | — | — | 21,344 | 10,650 | 9,665 | 210 | 5,922 | 131 | — | — | 34,642 |
| Herring, Pacific..... | — | — | — | — | — | — | 619 | — | — | — | — | — | 79,227 |
| Lingcod..... | 3,466 | 11,354 | 37,580 | 22,659 | 41,110 | 91,561 | 85,342 | 65,811 | 36,629 | 31,822 | 8,013 | 306 | 446,153 |
| Mackerel, jack..... | — | — | — | — | — | — | — | 5 | 182 | — | — | — | 190 |
| Percy..... | 2,426 | 2,673 | 7,714 | 8,181 | — | — | — | 148 | 8,885 | 5,102 | 1,132 | 561 | 37,260 |
| Rockfish..... | 143,868 | 202,637 | 214,851 | 136,282 | 224,721 | 270,028 | 233,716 | 421,901 | 297,417 | 318,303 | 111,027 | 24,710 | 2,695,830 |
| Sablefish..... | 52,868 | 51,553 | 163,269 | 135,630 | 86,000 | 148,000 | 113,073 | 46,009 | 58,607 | 72,806 | 28,515 | 10,921 | 987,493 |
| Salmon..... | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sanddab..... | 3,863 | 4,021 | — | 6,458 | 34,352 | 1,168,005 | 1,841,000 | 983,013 | 580,987 | — | — | — | 4,773,203 |
| Shark..... | 35 | 43 | 306 | 40 | 22,829 | 59,454 | 24,415 | 22,829 | — | — | 7,284 | 60 | 134,460 |
| Seal..... | — | — | — | — | — | — | — | — | — | — | — | — | 484 |
| Seerfish..... | 176 | 44 | 547 | 430 | 2,140 | 7,863 | 2,259 | 7,331 | 7,384 | 1,147 | — | — | 29,994 |
| Sole, Dover..... | 23,409 | 1,951 | 167,729 | 663,024 | 715,302 | 1,041,436 | 1,020,507 | 896,774 | 645,018 | 1,062,771 | 238,162 | 174,459 | 6,641,917 |
| Sole, English..... | 41,046 | 62,152 | 87,520 | 66,652 | 142,761 | 119,967 | 120,800 | 103,571 | 97,562 | 121,214 | 80,532 | 31,432 | 1,075,702 |
| Sole, Pacific..... | 21,456 | 24,178 | 21,456 | 42,426 | 40,400 | 131,770 | 130,600 | 115,196 | 121,238 | 84,547 | 62,978 | 1,325,598 | — |
| Sole, sand..... | — | — | 31,138 | 36,017 | 32,421 | 43,635 | 35,270 | 50,461 | 27,697 | 56,321 | 21,117 | 11,427 | 2,538 |
| Tuna, albacore..... | 46 | — | 3,429 | — | — | — | — | 70 | — | — | — | — | 3,515 |
| Tuna, yellowfin..... | 253 | 781 | 556 | 25 | 1,172 | — | — | — | 10,426 | 12,232 | 34,710 | — | 57,308 |
| Whitebait..... | 2,661 | 6,009 | 9,991 | 14,604 | 21,274 | 23,082 | 9 | 30 | 15 | — | — | 51 | 14,457 |
| Miscellaneous fish..... | — | — | — | — | — | — | — | — | — | — | — | — | 95,469 |
| Cryptacanthodes..... | — | — | — | — | — | — | — | — | — | — | — | — | 74 |
| Oval fish..... | 418,883 | 410,694 | 321,005 | 114,483 | 87,694 | 79,364 | 29,153 | — | — | — | — | — | 1,540,028 |
| Shrimp, ocean..... | 35,066 | — | — | — | 35,066 | 97,732 | 130,798 | 124,561 | 112,121 | 6,125 | — | — | 506,433 |
| Mollusk: | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Clams, Washington..... | 613 | 777 | 2,653 | 2,250 | — | — | — | — | — | 221 | 416 | 448 | 7,378 |
| Oysters..... | — | — | — | — | — | — | — | — | — | — | 20 | 258 | — |
| Miscellaneous mollusk..... | — | — | — | — | — | — | — | — | — | — | — | — | 3 |
| Total pounds..... | 1,034,719 | 842,179 | 1,138,343 | 1,437,545 | 2,09,203 | 3,411,540 | 3,786,656 | 3,138,173 | 2,141,820 | 2,081,694 | 790,063 | 437,293 | 22,315,569 |

TIDE, MARINE FISH CATCH OF CALIFORNIA

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TABLE 17
Monthly Landings of the Commercial Fishing Boats in the Eureka Region During 1955

TABLE 17—Continued
Monthly Landings of the Commercial Fishing Boats in the Eureka Region During 1955

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|---|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|--------------|
| Fishing boat landings from waters north of the state boundary | | | | | | | | | | | | | |
| Flounder | 484 | 112 | 295 | | | 2,295 | | 42 | | 699 | 2,237 | | 3,232 |
| Hake | 2,540 | 3,349 | | | 7,639 | 8,565 | 11,955 | 31,121 | | | | | 71,488 |
| Hake, arrowtooth | 5,956 | 4,784 | | | 15,315 | 12,614 | 12,279 | 13,275 | | | | | 64,126 |
| Lingcod | 130 | 441 | 3,742 | 9,164 | 2,715 | 2,562 | 9,039 | 1,500 | 1,500 | 108 | | | 30,726 |
| Rockfish | 27,494 | 3,959 | 26,679 | 94,394 | 18,313 | 33,123 | 70,942 | 1,821 | 1,821 | 894 | | | 209,004 |
| Sablefish | | | | | | | | | | | | | |
| Sanddabs | | | | | | | | | | | | | |
| Sanddab | 108 | | | | | | | 402 | 1,200 | 974 | | | 3,228 |
| Sole | 132,710 | 184,710 | 121,726 | 273,093 | 70,147 | 66,091 | 101,511 | 100,741 | 100,741 | 5,353 | | | 2,658 |
| Sole, English | 3,068 | 770 | 4,735 | 2,121 | 2,042 | 1,414 | 4,705 | 2,870 | 2,870 | 1,354 | | | 9,431 |
| Sole, petrale | 1,868 | 1,659 | 89,147 | 89,781 | 18,869 | 29,730 | 73,586 | 13,837 | 13,837 | 616 | | | 274,533 |
| Sole, rex | 1,193 | 710 | 2,909 | 7,110 | 1,453 | 1,355 | 7,314 | 1,600 | 1,600 | | | | 21,661 |
| Sole, rock | 141 | 138 | | | | | | | | 708 | | | 968 |
| Turbot | 210 | 279 | | | | | | | | | | | 505 |
| Crayfish: | | | | | | | | | | | | | |
| Crab | | | | | | | | | | | | | |
| Shrimp, ocean | | | | | | | | | | | | | |
| Total pounds | 195,098 | 213,169 | 212,855 | 512,289 | 158,273 | 176,355 | 337,979 | 34,713 | 34,713 | 10,517 | | | 1,850,978 |
| Grand totals, Eureka region | 1,034,719 | 842,179 | 1,333,441 | 1,631,014 | 2,306,286 | 3,856,869 | 3,944,929 | 3,314,828 | 2,699,799 | 2,116,207 | 711,490 | 437,293 | 24,169,544 |

TABLE 17
Monthly Landings of the Commercial Fishing Boats in the Eureka Region During 1955

TABLE 18
Monthly Landings of the Commercial Fishing Boats in the Sacramento Region During 1955

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|---|---------|----------|--------|---------|---------|--------|--------|---------|-----------|---------|----------|----------|--------------|
| Fishing boat landings from California waters: | | | | | | | | | | | | | |
| Carp..... | 48,985 | 43,639 | 46,283 | 73,801 | 62,287 | 38,011 | 31,967 | 23,008 | 70,118 | 92,223 | 62,831 | 118,521 | 734,670 |
| Haddock..... | 5,813 | 13,427 | 13,930 | 2,238 | 5,279 | 68 | 10 | 50 | 50 | 37 | 11,216 | 1,007 | 61,430 |
| Salmon..... | 3,974 | 903 | 891 | 9,145 | 19,609 | 4,825 | | 182,895 | 2,003,514 | | 2,012 | 2,974 | 2,320,246 |
| Shad..... | | | 13,292 | 113,394 | 351,620 | 746 | | | | | | | 478,454 |
| Sole..... | 831 | 682 | 22 | 26 | | | | | | | | | 1,493 |
| Squawfish..... | | 2 | | 25 | 82 | | | | | | | | 114 |
| Miscellaneous fish..... | | | | | | | | | | | 56 | 56 | 56 |
| Total pounds, Sacramento region. | 59,691 | 51,872 | 71,128 | 201,416 | 439,177 | 43,616 | 32,097 | 207,901 | 2,163,698 | 96,111 | 76,093 | 133,481 | 3,999,496 |

TABLE 18
Monthly Landings of the Commercial Fishing Boats in the Sacramento Region During 1955

TABLE 19
Monthly Landings and Shipments of Commercial Fish Into the San Francisco Region During 1955

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds | DEPARTMENT OF FISH AND GAME |
|---|---------|----------|---------|---------|---------|---------|--------|---------|-----------|---------|-----------|----------|--------------|-----------------------------|
| Fishing boat landings from California waters: | | | | | | | | | | | | | | |
| Abalone | | | | | | | | | | | | | | |
| Cabezon | 361 | 299 | 220 | 56 | 62 | 284 | 198 | 41 | 1,072 | 6,137 | 72 | 22 | 206,668 | 8,114 |
| Craker, white (kingfish) | | | | | | | | | | | | | | |
| Flounders | 16,113 | 82,347 | 35,851 | 14,781 | 44,271 | 7,808 | 1,585 | 501 | 30,195 | 24,045 | 10,281 | 2,655 | 200,987 | 41,245 |
| Halibut | | | | | | | | | | | | | | |
| Halibut, arrowtooth | 1,770 | 520 | 605 | 475 | 225 | 4,041 | 9,205 | 2,652 | 686 | 820 | 2,700 | 2,517 | 31,306 | |
| Halibut, California | 20,669 | 12,705 | 713 | 1,100 | 461 | 1,577 | 1,251 | 665 | 729 | 1,130 | 405 | 320 | 41,754 | |
| Herring, Pacific | 555,000 | 42,434 | 83,847 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 555,000 | 1,147,563 |
| Lingcod | 7,404 | 16,651 | 35,059 | 53,745 | 23,819 | 10,841 | 26,231 | 43,114 | 23,703 | 28,928 | 10,066 | 9,050 | 9,050 | 175 |
| Mackerel, jack | | | | | | | | | | | | | | |
| Perch | 1,125 | 1,670 | 14,713 | 12,665 | 2 | 810 | 1,701 | 1,253 | 1,231 | 1,083 | 630 | 754 | 37,616 | |
| Pontoppo, California | | | | | | 140 | | | | | | | | |
| Rockfish | 171,300 | 101,900 | 141,941 | 60,980 | 22,728 | 65,200 | 48,820 | 53,200 | 131,800 | 257,114 | 217,802 | 206,544 | 1,460,697 | |
| Sardines | 16,702 | 18,520 | 30,078 | 11,070 | 13,655 | 7,782 | 13,953 | 60,400 | 42,733 | 27,454 | 31,170 | 32,339 | 346,047 | |
| Salmon | | | | | | | | | | | | | | 3,830,928 |
| Sanddab | | | | | | | | | | | | | | |
| Sculpin | 41,144 | 43,251 | 58,105 | 31,800 | 23,215 | 27,479 | 9,653 | 56,380 | 40,511 | 33,191 | 42,451 | 21,250 | 433,205 | 1,201 |
| Seagull | 59 | 30 | 35 | | | | | | | | | | | 1,329 |
| Sebastodes, white | | | | | | | | | | | | | | |
| Shark | 12,334 | 12,720 | 20,281 | 8,455 | 14,710 | 4,410 | 1,700 | 26 | 532 | 705 | | | | |
| Shark, oceanic | 13,334 | 12,720 | 20,281 | 8,455 | 14,710 | 4,410 | 1,700 | 26 | 532 | 705 | | | | |
| Smelt | 0,112 | 97,402 | 118,012 | 60,616 | 25,804 | 21,875 | 13,505 | 21,758 | 21,700 | 5,522 | 4,500 | 5,753 | 447,706 | |
| Sole, Dover | 8,656 | 61,186 | 174,551 | 21,656 | 21,365 | 35,406 | 26,500 | 47,410 | 54,025 | 37,468 | 42,754 | 16,366 | 550,533 | |
| Sole, English | 241,999 | 242,400 | 208,017 | 179,407 | 214,437 | 111,241 | 21,910 | 296,700 | 321,545 | 121,431 | 143,100 | 121,309 | 2,380,803 | |
| Sole, green | 11,116 | 10,900 | 10,900 | 10,900 | 10,900 | 10,900 | 10,900 | 10,900 | 10,900 | 10,900 | 10,900 | 10,900 | 128,180 | |
| Sole, rex | 55,116 | 57,807 | 74,895 | 52,284 | 21,413 | 30,058 | 19,915 | 27,682 | 34,294 | 38,172 | 65,899 | 47,179 | 323,611 | |
| Sole, sand | 7,168 | 13,543 | 3,193 | 2,771 | 8,206 | 1,269 | 65 | 21,283 | 16,109 | 4,964 | 2,773 | 1,523 | 82,864 | |
| Sole, unclassified | | | 51 | | 129 | | | | | 153 | 314 | 140 | 900 | |
| Tuna, albacore | 8,946 | 15,322 | 5,817 | 12,241 | 9,008 | 825 | 825 | 7,721 | 471,875 | 61,884 | 2,471,111 | | 2,960 | |
| Tuna, bluefin | 51,449 | 50 | 1,499 | 2,081 | 4,682 | 3,778 | 3,778 | 1,168 | 304 | 4,281 | 4,410 | 83,839 | 29,109 | |

TABLE 19
Monthly Landings and Shipments of Commercial Fish Into the San Francisco Region During 1955

| | | | | | | | | | | | | | | | | | | | |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|------------|------------|
| Crustaceans: | | | | | | | | | | | | | | | | | | | |
| Crab,.... | \$21,145 | 163,223 | 88,369 | 20,677 | 27,829 | 90,621 | 247,533 | 1,286 | | 92,280 | 48,663 | 1,685,012 | 1,720,358 | 4,866,363 | | | | | |
| Shrimp,.... | | | 28,864 | 22,616 | 75,262 | 55,163 | 140,470 | 55,406 | 40,631 | 113,221 | 211,211 | 11,177 | 18,127 | 11,177 | 330,681 | | | | |
| Shrimp, ocean | | | | | | 765 | 770 | 1,615 | 3,115 | 6,239 | 6,375 | 3,285 | 1,975 | 575 | 215,661 | | | | |
| Ablone | | | | | | | | | | | | | | | | | | | |
| Molluscs: | | | | | | | | | | | | | | | | | | | |
| Clam, Washington | | 29 | 80 | 5 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | |
| Octopus | 2,966 | 1,851 | 2,170 | 759 | 760 | 1,140 | 403 | 785 | 192 | 192 | 192 | 192 | 192 | 192 | 192 | 568 | 11,494 | 11,494 | |
| Oyster, eastern | 13,261 | 12,093 | 14,823 | 13,482 | 11,300 | 9,026 | 3,045 | 4,272 | 11,026 | 11,026 | 11,026 | 11,026 | 11,026 | 11,026 | 11,026 | 13,522 | 13,522 | 13,522 | |
| Oyster, western | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 745 | 745 | 745 | |
| Oyster, giant Pacific | 16,510 | 24,216 | 18,917 | 21,868 | 15,051 | 11,984 | 10,048 | 8,506 | 12,969 | 16,371 | 13,109 | 12,855 | 17,522 | 17,522 | 17,522 | 2,900 | 2,900 | 2,900 | |
| Squid | | | | | 2,600 | | | | | | | | | | | | | | |
| Micromesistius mitsukurii | | 20 | | | | | | | | | | | | | | | | | |
| Total pounds..... | 1,790,175 | 1,664,670 | 1,319,589 | 732,058 | 1,090,400 | 2,167,382 | 1,693,063 | 2,206,677 | 1,830,838 | 2,772,305 | 2,822,739 | 2,428,315 | 22,638,951 | | | | | | |
| Fishing boat landings from waters south of the International Boundary: | | | | | | | | | | | | | | | | | | | |
| Tuna, albacore | | | | | | | | | | | | | 611 | 611 | 611 | 611 | 611 | 611 | |
| Tuna, bluefin | | | | | | | | | | | | | 424,431 | 192,220 | 424,431 | 424,431 | 424,431 | 424,431 | |
| Tuna, yellowfin | | | | | | | | | | | | | 121,487 | 11,694 | 121,487 | 121,487 | 121,487 | 121,487 | |
| Total pounds..... | | | | | | | | | | | | | 411,487 | 228,083 | 411,487 | 411,487 | 411,487 | 411,487 | |
| Skates/rays: | | | | | | | | | | | | | | | | | | | |
| Habitat, Pacific..... | 3,070 | | 3,011 | | 3,415 | | 3,045 | | 13,990 | 14,000 | 14,000 | 14,000 | 14,000 | 14,000 | 14,000 | 40,529 | 40,529 | 40,529 | |
| Saltwater..... | 18,196 | 13,000 | 30,064 | 43,421 | 11,760 | 29,888 | 21,000 | 21,000 | 15,022 | 15,022 | 15,022 | 15,022 | 15,022 | 15,022 | 15,022 | 10,553 | 10,553 | 10,553 | |
| Saltwater | | 37,212 | 3,184 | 651 | 3,091 | 1,760 | 1,760 | 1,760 | 1,760 | 1,760 | 1,760 | 1,760 | 1,760 | 1,760 | 1,760 | 8,000 | 8,000 | 8,000 | |
| Shad..... | | | | | | 6,908 | 16,647 | 4,115 | 4,285 | 4,285 | 4,285 | 4,285 | 4,285 | 4,285 | 4,285 | 27,833 | 27,833 | 27,833 | |
| Tuna, albacore..... | 562,112 | 357,000 | 62,115 | 489,630 | 20,247 | 460,160 | 1,872,884 | 1,872,884 | 150,123 | 150,123 | 150,123 | 150,123 | 150,123 | 150,123 | 150,123 | 288,388 | 288,388 | 288,388 | |
| Tuna, bigeye | 12,156 | 12,156 | 12,156 | 12,156 | 12,156 | 12,156 | 12,156 | 12,156 | 12,156 | 12,156 | 12,156 | 12,156 | 12,156 | 12,156 | 12,156 | 112,663 | 112,663 | 112,663 | |
| Tuna, skipjack | 337,618 | 87,941 | 711,150 | 711,150 | 100,277 | 100,277 | 100,277 | 100,277 | 100,277 | 100,277 | 100,277 | 100,277 | 100,277 | 100,277 | 100,277 | 1,136,730 | 1,136,730 | 1,136,730 | |
| Tuna, yellowfin | 768,679 | 270,214 | 185,765 | 613,169 | 661,383 | 1,165,590 | 295,130 | 454,606 | 629,553 | 541,822 | 943,415 | 941,049 | 7,966,713 | 7,966,713 | 7,966,713 | 7,966,713 | 7,966,713 | 7,966,713 | |
| Micromesistius mitsukurii | | | | | | | | | | | | | 3,860 | 3,860 | 3,860 | 3,860 | 3,860 | 3,860 | |
| Total pounds..... | 1,337,397 | 1,046,319 | 293,388 | 1,291,293 | 1,891,240 | 1,440,092 | 929,220 | 1,843,939 | 630,355 | 742,209 | 1,720,358 | 1,720,358 | 1,720,358 | 1,720,358 | 1,720,358 | 1,616,636 | 13,986,722 | 13,986,722 | 13,986,722 |
| Grand totals, San Francisco region: | 3,147,372 | 2,710,040 | 1,613,177 | 2,023,947 | 2,981,642 | 3,608,071 | 2,623,283 | 3,850,613 | 3,015,924 | 3,739,643 | 4,088,094 | 3,863,001 | 37,363,214 | | | | | | |

³ See Table 14 for origin of shipments.

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TABLE 19—*Cont'd.*

TABLE 20
Monthly Landings and Shipments of Commercial Fish Into the Monterey Region During 1955

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|---------------------------------------|---------|----------|---------|---------|-----------|---------|---------|---------|-----------|---------|----------|----------|--------------|
| Fishing boat landings from California | | | | | | | | | | | | | 6,881,535 |
| Anchovy..... | 23,610 | 367,670 | 789,280 | 905,725 | 1,224,050 | 807,150 | 872,130 | 835,400 | 236,400 | 20,500 | 699,320 | | 1,578 |
| Cabronet..... | 1,905 | 1,612 | 10,525 | 19,147 | 55,219 | 49,188 | 27,788 | 79,506 | 57,974 | 7,838 | 2,459 | 333,367 | 189,367 |
| Cod, white (M. fish)..... | 5,641 | 1,612 | 10,525 | 19,147 | 55,219 | 49,188 | 4,921 | 5,229 | 16,999 | 4,944 | 7,577 | 13,251 | 189,367 |
| Flounder..... | 9,198 | 11,128 | 13,285 | 8,463 | 17,649 | 4,921 | 1,220 | 1,220 | 1,220 | 1,220 | 1,220 | 1,220 | 219,704 |
| Hake..... | 339 | 3,247 | 2,740 | 2,802 | 20,400 | 20,400 | 7,324 | 7,324 | 7,324 | 7,324 | 7,324 | 7,324 | 4,790 |
| Hallibut, California..... | 3,711 | 2,110 | 1,770 | 1,778 | 5,096 | 4,017 | 6,302 | 908 | 499 | 1,124 | 1,699 | | 31,147 |
| Bonefish, Pacific..... | 19 | 2,380 | 25,635 | 94,190 | 230,385 | 109,955 | 184,220 | 34,277 | 37,613 | 3,004 | | | 719,727 |
| Lingcod..... | 5,834 | 12,092 | 17,671 | 3,866 | 4,421 | 9,149 | 1,060 | 1,450 | 11,260 | 8,013 | 16,095 | 12,398 | 101,190 |
| Mackerel, jack..... | | | | 200 | 19,800 | 14,220 | 60,450 | 2,400 | 1,277 | 1,277 | 1,277 | 1,277 | 339 |
| Mullet, Pacific..... | | | | | 339 | | | | | | | | 339 |
| Percy..... | 1,606 | 1,608 | 3,318 | 7,290 | | 3,137 | 9,333 | 1,854 | 829 | 879 | 1,137 | | 31,811 |
| Pompano, California..... | 4 | 37 | 694 | 8,038 | 10,691 | 3,018 | 16,740 | 8,755 | 3,069 | 7,297 | 473 | 12 | 28,433 |
| Ratfish..... | 659 | 349 | 2,200 | 2,200 | 2,200 | 2,200 | 2,200 | 2,200 | 2,200 | 2,200 | 2,200 | 2,200 | 3,183,333 |
| Rockfish..... | 365,437 | 452,355 | 357,102 | 275,138 | 225,720 | 372,335 | 242,729 | 255,600 | 383,303 | 391,418 | 325,116 | 310,270 | 4,160,038 |
| Sablefish..... | 69,940 | 69,156 | 65,310 | 36,018 | 26,696 | 35,725 | 42,942 | 33,850 | 72,704 | 35,051 | 37,694 | 55,339 | 618,949 |
| Salmon..... | 7,339 | 3,219 | 11,969 | 9,349 | 244,744 | 137,474 | 115,710 | 72,538 | 36,003 | 11,243 | 8,006 | | 606,469 |
| Sanddab..... | | | | | 712 | 1,47 | 1,170 | 587 | 1,317 | 114 | 142 | | 937,160 |
| Sardine..... | 724 | 218 | 993 | 25 | 112 | 1,020 | 7,231 | 3,200 | 2,750 | 1,820 | 1,820 | 1,820 | 116,053 |
| Sealions, white..... | 1,197 | 416 | 494 | 1,200 | 1,200 | 1,200 | 1,200 | 1,200 | 1,200 | 1,200 | 1,200 | 1,200 | 103,227 |
| Shark..... | 1,700 | 160 | 733 | 900 | 746 | 150 | 1,700 | 2,200 | 1,224 | 2,415 | 4,835 | 16,730 | 255,362 |
| Skate..... | 18,255 | 8,140 | 5,384 | 23,384 | 69,000 | 19,000 | 35,334 | 23,640 | 8,996 | 11,094 | 11,259 | 9,245 | 2,179 |
| Sole, Dwyer..... | 2,050 | 32,222 | 60,525 | 62,651 | 2,030 | 320 | 945 | 1,355 | 720 | | | | 588,459 |
| Sole, English..... | 2,887 | 2,418 | 6,825 | 14,479 | 10,213 | 4,373 | 11,650 | 12,569 | 38,844 | 10,130 | 7,234 | 6,480 | 127,421 |
| Sole, petrale..... | 9,009 | 7,952 | 5,621 | 992 | 1,165 | 1,513 | 1,190 | 3,638 | 5,514 | 4,474 | 3,411 | 6,786 | 52,303 |
| Sole, mechanized..... | 915 | 216 | 926 | 622 | 170 | 21 | 1,284 | 611 | 137 | 43 | 197 | 183 | 5,025 |
| Tuna, albacore..... | | | 78 | 460 | | 487 | 407 | 500 | 959 | 300 | 300 | 300 | 2,079,841 |
| Tuna, longtail..... | 22,584 | 23,691 | 2,660 | 394 | 1,110 | 16,104 | 2,944 | 3,898 | 3,905 | 692 | | 18 | 1,640 |
| Whitebait..... | | | 59 | | | | | | | | | | 89,990 |
| Miscellaneous fish..... | | | | | | | | | | | | | |

TABLE 20
Monthly Landings and Shipments of Commercial Fish Into the Monterey Region During 1955

| | | | | | | | | | | | | | | | | |
|---|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|---|---|
| Crustacean: | 399 | 854 | 1,914 | 2,460 | 1,439 | 555 | 652 | 13 | 133 | 200 | 85 | 792 | 405 | 9,461 | | |
| Crab..... | 73 | 303 | 147 | — | — | 23 | — | — | — | — | 61 | 123 | 1,164 | — | | |
| Prawn..... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | | |
| Mollusk: | — | — | — | — | — | — | — | — | — | — | — | — | — | — | | |
| Clam, green..... | 150 | 440 | 516 | 300 | 80 | 220 | 116 | — | — | — | 40 | 100 | 40 | 2,002 | | |
| Octopus..... | 3,149 | 1,626 | 2,830 | 280 | 91 | 155 | — | — | — | — | 226 | 461 | 791 | 10,203 | | |
| Murex..... | 392 | 42 | 391,669 | 4,955,073 | 1,400,063 | 934,127 | 950,803 | 1,443,803 | 1,505,140 | 688,773 | 1,437,400 | 194,600 | 18 | 14,110,113 | — | |
| Murex, common mollusk..... | 37 | 65 | — | — | — | — | — | — | — | — | — | — | — | 83 | — | |
| Total pounds..... | 588,888 | 1,312,627 | 1,672,462 | 6,568,185 | 3,660,345 | 2,801,639 | 2,710,147 | 3,091,894 | 3,614,717 | 3,161,944 | 2,650,239 | 700,963 | 32,693,995 | — | — | |
| Fishing boat landings from south of the International Boundary: | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Tuna, albacore..... | — | — | — | — | — | — | — | — | — | — | 72,400 | — | — | 72,400 | — | |
| Tuna, blue..... | — | — | — | — | — | — | — | — | — | — | 132,610 | — | — | 132,610 | — | |
| Tuna, skipjack..... | — | — | — | — | — | — | — | — | — | — | 180,000 | — | — | 180,000 | — | |
| Tuna, yellowfin..... | — | — | — | — | — | — | 204,607 | — | — | — | 338,625 | — | — | 338,625 | — | |
| Total pounds..... | — | — | — | — | — | 204,607 | — | — | — | — | 774,747 | — | 466,051 | 1,445,405 | — | |
| Shipments ¹ : | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Tuna, skipjack..... | — | — | — | — | — | 61,823 | 256,871 | 17,708 | — | — | — | — | — | 375,491 | — | |
| Tuna, yellowfin..... | — | — | — | — | — | 99,145 | 59,669 | 86,045 | — | — | — | — | — | 228,139 | — | |
| Total pounds..... | — | — | — | — | — | 151,369 | 347,537 | 103,793 | — | — | — | — | — | 602,630 | — | |
| Grand totals, Monterey region..... | 588,888 | 1,312,627 | 1,672,462 | 6,568,185 | 3,660,345 | 2,807,545 | 3,057,684 | 3,185,594 | 3,614,717 | 3,936,694 | 2,650,239 | 1,167,044 | 34,742,021 | — | — | — |

¹ See Table 14 for origin of shipments.

TABLE 20—Cont'd.

TABLE 21
Monthly Landings and Shipments of Commercial Fish Into the Santa Barbara Region During 1955

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|--|-----------|----------|---------|---------|---------|---------|---------|---------|-----------|------------|-----------|-----------|--------------|
| Fishing boat landings from California | | | | | | | | | | | | | |
| Anchova | 1,280,000 | 92,600 | 154,440 | 197,460 | 616,230 | 177,600 | 121,900 | 497,740 | 71,400 | 56,440 | 49,760 | 36,000 | 3,261,660 |
| Barracuda, California | 86 | 585 | 2,020 | 31 | 226 | 543 | 203 | 28 | 232 | 23 | 23 | 23 | 3,591 |
| Cod, California | 31 | 64 | 31 | 31 | 3,679 | 3,679 | 3,671 | 3,378 | 4,261 | 8,443 | 7,011 | 3,175 | 61,231 |
| Croaker, white (kingfish) | 1,272 | 7,766 | 8,219 | 13,029 | 3,679 | 1,071 | — | — | — | — | — | 263 | 2,073 |
| Flounder | — | — | 549 | — | — | — | — | — | — | — | — | — | — |
| Hake, California | 24,923 | 17,270 | 11,284 | 9,938 | 16,128 | 7,392 | 6,221 | 7,098 | 4,980 | 2,418 | 7,813 | 18,983 | 136,337 |
| Lake trout | 3,259 | 2,008 | 2,611 | 4,497 | 7,450 | 4,254 | 3,451 | 3,451 | 3,451 | 2,224 | 2,224 | 2,224 | 4,457 |
| Mackerel, jack | — | — | — | — | — | — | 2,063 | 592 | 61,375 | 297,753 | 1,175,175 | 3,233,755 | 5,015,825 |
| Mackerel, Pacific | — | — | — | — | — | — | 1,923 | 2,160 | 1,239 | 755,170 | 163,709 | 65,775 | 133,800 |
| Pike, California | 2,423 | 3,077 | 8,797 | 256 | — | — | 4,059 | 3,434 | 1,014 | 1,014 | 1,014 | 1,014 | 1,448 |
| Pompano, California | — | — | — | — | — | — | 12 | 736 | 1,067 | 437 | 437 | 437 | 2,279 |
| Rockfish | 357,574 | 372,969 | 401,574 | 394,639 | 412,180 | 301,581 | 142,968 | 238,996 | 161,355 | 227,249 | 227,249 | 203,315 | 3,378,523 |
| Sabrefish | 2,059 | 4,640 | 812 | 2,200 | 3,801 | 8,903 | 6,917 | 9,418 | 1,208 | 2,351 | 6,980 | 2,311 | 42,487 |
| Sablefish | — | — | — | — | — | 102,200 | 140,200 | 29,511 | 31,200 | 5,015 | 5,015 | 5,015 | 30,340 |
| Sanddab | 1,807 | 1,168 | 3,101 | 214 | 961 | 102 | 6,736 | 2,584 | 1,333 | 140 | 130 | 404 | 15,824 |
| Sardine | 50,800 | — | — | — | — | — | — | — | — | — | — | — | — |
| Sea bass, black | 93 | — | — | 96 | — | — | — | — | — | — | — | — | 189 |
| Sebastodes | 99 | 142 | 44 | 82 | 94 | 1,149 | 16,390 | 22,361 | 25,484 | 19,914 | 8,454 | 194 | 92,732 |
| Sebastost, greenling | 103 | — | 61 | — | — | — | 193 | 123 | 56 | 87 | 36 | — | — |
| Shark | 2,327 | 10,665 | 30,203 | 9,444 | 20,334 | 12,322 | 2,005 | 212,490 | 366,900 | 26,232,760 | 9,660,910 | 2,772,260 | 30,731,903 |
| Sheep-head | 494 | 878 | 282 | 415 | 211 | 56 | — | — | — | 48 | 10 | — | 3,749 |
| Seatear | 2,121 | 396 | 235 | 415 | 211 | 77 | 140 | 3,559 | 2,922 | 2,857 | 161 | 545 | 4,049 |
| Seaperch | — | — | 70 | — | — | — | — | — | — | — | — | — | 10,035 |
| Sole, Dover | — | — | — | — | — | — | 505 | 219 | 745 | 280 | 4 | — | 1,749 |
| Sole, sand | 7,620 | 13,550 | 7,935 | 3,965 | 7,935 | 11,500 | 16,500 | 10,030 | 22,456 | 3,105 | 8,881 | 116,655 | — |
| Sole, petrale | 28,205 | 21,333 | 36,092 | 21,731 | 29,695 | 31,152 | 23,600 | 7,421 | 9,371 | 18,223 | 61,705 | 12,161 | 205,747 |
| Sole, pera | 13,042 | 11,633 | 12,126 | 5,483 | 1,671 | 639 | 833 | 22 | 172 | 2,192 | 2,047 | 1,281 | 35,391 |
| Sole, sand | 2,840 | 302 | 490 | — | — | — | — | — | — | — | — | 2,833 | 6,187 |
| Sole, vermiculated | 1,700 | 1,240 | 1,440 | 479 | 60 | 571 | 14 | 101 | 21 | — | — | — | 1,114 |
| Swordfish | — | — | — | — | — | — | — | — | — | — | — | — | 1,830 |
| Tuna, albacore | — | — | — | — | — | — | — | — | — | 10,223 | 45,444 | 48,980 | 11,304 |
| Turbot | 5,102 | 3,155 | 120 | — | — | — | — | — | — | — | — | 52 | 116,003 |
| Miscellaneous fish | 23 | 353 | 46 | 46 | 28 | — | — | 2 | — | — | 1,083 | 1,083 | 469 |

TABLE 21
Monthly Landings and Shipments of Commercial Fish Into the Santa Barbara Region During 1955

| | | | | | | | | | | | |
|--|-----------|---------|-----------|-----------|-----------|-----------|---------|-----------|-----------|------------|------------|
| Crab... | 6,608 | 18,930 | 18,562 | 17,309 | 9,985 | 8,542 | | | 2,226 | 15,473 | 97,832 |
| Crab, rock... | 2,119 | 3,345 | 3,345 | 3,345 | 1,307 | 1,252 | | | 388 | 3,345 | 3,345 |
| Lobster, spiny... | 42,023 | 37,375 | 37,375 | 37,375 | 1,162 | 150 | 60 | | 23,103 | 21,361 | 39,246 |
| Shrimp, ocean... | | | | | | | | | | | 1,642 |
| Mollusk... | | | | | | | | | | | |
| Abalone... | 42,769 | | 127,659 | 76,859 | 132,333 | 217,069 | 171,156 | 247,225 | 340,160 | 200,054 | 27,166 |
| Oyster... | | 345 | | 426 | 737 | 70 | 596 | 271 | 103 | 80 | 54 |
| Oysters, giant Pacific... | 140,000 | 146,250 | 123,550 | 94,250 | 28,500 | 32,800 | 36,500 | 41,200 | 81,750 | 158,800 | 187,700 |
| Squid... | | | | | | | | | | | 14,000 |
| Miscellaneous mollusks... | | | | | | | 11 | 4 | | | 18 |
| Total pounds... | 1,923,613 | 773,737 | 996,854 | 851,785 | 1,429,435 | 1,061,241 | 749,816 | 1,339,739 | 2,235,499 | 28,385,385 | 14,029,537 |
| Fishing boat landings from waters south of the International Boundary... | | | | | | | | | | | |
| Tuna, albacore... | | | | | | | | | 3,269 | | |
| Total pounds... | | | | | | | | | 3,269 | | |
| Shipments: ¹ | | | | | | | | | | | |
| Tuna, bigeye... | 94,736 | 42,269 | 249,135 | 213,918 | 254,292 | 311,879 | 115,639 | 280,955 | 178,600 | 184,433 | 306,149 |
| Tuna, yellowfin... | | | | | | | | | | | 2,330 |
| Total pounds... | 94,736 | 42,269 | 249,135 | 213,918 | 254,292 | 311,879 | 115,639 | 283,495 | 178,600 | 154,633 | 306,149 |
| Grand totals, Santa Barbara region... | 2,018,149 | 816,026 | 1,245,979 | 1,069,700 | 1,683,777 | 1,373,070 | 865,455 | 1,623,523 | 2,412,069 | 28,539,518 | 14,321,685 |
| | | | | | | | | | | 9,002,510 | 64,879,740 |

¹ See Table 14 for origin of shipments.

THE MARINE FISH CATCH OF CALIFORNIA

TABLE 21—*Cont'd.*

TABLE 22
Monthly Landings and Shipments of Commercial Fish Into the Los Angeles Region During 1955

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds | DEPARTMENT OF FISHLING | |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|--------------|------------------------|--|
| Fishing boat landings from California waters | | | | | | | | | | | | | | | |
| Anchovy..... | 4,036,679 | 4,187,800 | 6,084,993 | 4,727,313 | 5,758,660 | 1,794,650 | 1,963,768 | 2,032,711 | 480,365 | 348,855 | 1,173,679 | 1,721,853 | 34,333,555 | 310,502 | |
| Baracuda, California..... | | | 126 | 1,241 | 32,460 | 59,118 | 45,775 | 326 | | | | | | | |
| Bonito..... | 32,009 | 830 | 520 | | | 1,000 | 1,000 | 11 | 15 | 60 | 213 | 214 | 35,267 | 118 | |
| Carp..... | | | | | 314 | 101 | | | | | | | | | |
| Cracker, white (Kingfish)..... | 9,143 | 3,395 | 38,183 | 18,129 | 114,898 | 28,130 | 13,262 | 11,127 | 27,311 | 13,425 | 29,050 | 27,477 | 403,669 | | |
| Flyingfish..... | | | | | 4,662 | 10,809 | 3,871 | 688 | 2,531 | | | | | 22,565 | |
| Halibut..... | 1,100 | 3,399 | 3,861 | 620 | 2,412 | 2,778 | 1,427 | 1,379 | 2,982 | 6,849 | 1,831 | 5,335 | 31,059 | | |
| Hake..... | 7,833 | 12,750 | 19,200 | 17,284 | 1,705 | 6,000 | 10,054 | 2,024 | 2,050 | 1,084 | 180 | 180 | 81,592 | | |
| Lamprey, California..... | | | 240 | | 18 | 40 | | | 5 | 47 | 45 | 45 | 205 | | |
| Mackerel, Jack..... | 101,594 | 1,204,171 | 1,024,073 | 1,157,091 | 471,329 | 217,032 | 8,177,311 | 3,948,465 | 306,350 | 260,913 | 3,949,162 | 4,844,142 | 25,745,825 | | |
| Mackerel, Pacific..... | 73,238 | 1,037,551 | 2,017,424 | 159,999 | 1,152,559 | 1,326,151 | 2,869,452 | 3,096,642 | 935,118 | 2,197,955 | 2,673,742 | 2,790,699 | 22,008,621 | 6,117 | |
| Opah..... | 228 | 232 | 471 | | 1,205 | 859 | 115 | | 648 | 2,390 | 827 | 2,790 | 548 | | |
| Pompano, California..... | 25 | | 3,085 | 1,085 | 1,200 | 1,200 | 1,200 | 600 | 600 | 1,200 | 2,250 | 2,250 | 14,000 | | |
| Rockfish..... | 46,471 | 48,812 | 55,556 | 21,887 | 65,651 | 34,703 | 34,517 | 28,855 | 24,538 | 33,065 | 20,042 | 24,731 | 438,581 | | |
| Sablefish..... | 14 | | 620 | 3,078 | 2,609 | 257 | 1,046 | 225 | | 234 | 100 | 70 | 7,666 | | |
| Salmon..... | | | | | 200 | 347 | 335 | 1,055 | 1,379 | 3,153 | 2,211 | 1,085 | | | |
| Seabass..... | 112 | 112 | 1,098 | 1,842 | 4,253 | 3,271 | 1,820 | 1,055 | 1,379 | 3,153 | 2,211 | 1,085 | 20,433 | | |
| Sardine..... | 1,000,812 | 93,400 | 122,433 | 61,342 | 171,933 | 114,901 | 81,100 | 199,392 | 237,928 | 448,340 | 64,284,180 | 28,009,902 | 104,838,684 | 695 | |
| Sargo, California..... | | | | | 678 | | | 20 | | | | | | | |
| Solepin..... | 5,638 | 660 | 2,161 | 889 | 3,744 | 19,279 | 20,718 | 15,690 | 4,669 | 1,178 | 2,922 | 1,868 | 79,335 | | |
| Sole, Mask..... | | 34 | 66 | 43 | 119 | 119 | 119 | 119 | 119 | 119 | 119 | 119 | 412 | | |
| Seahorse, white..... | 1,538 | 7,844 | 17,127 | 7,596 | 41,886 | 55,162 | 20,568 | 17,122 | 70,551 | 14,382 | 411 | 2,560 | 256,000 | | |
| Shark..... | 3,280 | 2,957 | 4,019 | 4,543 | 6,488 | 11,20 | 11,112 | 10,188 | 6,899 | 6,899 | 2,127 | 3,078 | 26,703 | | |
| Shorefish..... | 1,358 | 1,360 | 1,360 | 1,360 | 1,360 | 1,360 | 1,360 | 1,360 | 1,360 | 1,360 | 1,360 | 1,360 | 5,852 | | |
| Skate..... | 181 | 1,618 | 1,010 | 138 | 310 | 35 | 41 | 55 | 80 | 8 | 10 | 3,528 | | | |
| Smelt..... | 1,530 | 265 | 6,706 | 8,790 | 640 | 2,593 | 530 | 2,627 | 2,586 | 1,847 | 6,283 | 3,246 | 37,018 | | |
| Sole, Unclassified..... | 57 | 727 | 158 | 19 | 663 | 179 | 60 | 54 | 20 | | | | 1,597 | | |
| Stargazer..... | | | | | | | | 528 | 21,228 | 11,550 | 11,550 | 11,550 | 56,605 | | |
| Tuna, Albacore..... | 1,372 | | | | | 2,297 | 769,228 | 1,254,502 | 785,000 | 165,144 | 332,761 | 97,341 | 3,420,705 | | |
| Tuna, Bluefin..... | 193,800 | | | | | 33,096 | 854,514 | 273,500 | 431,881 | 91,147 | | 22,200 | 15,000 | 1,017,129 | |
| Tuna, Skipjack..... | | | | | 46 | 188 | 78 | 32 | | | 220 | 635 | 635 | | |
| Whiting, ocean..... | | | | | | | | | | | 200 | 200 | 854 | | |

TABLE 22
Monthly Landings and Shipments of Commercial Fish Into the Los Angeles Region During 1955

| | | | | | | | | | | | |
|--|-----------|-----------|------------|------------|------------|------------|------------|------------|-----------|-----------|------------|
| Yellowtail | | | 210 | 569 | 370 | 141 | 372 | | | | 1,662 |
| Miscellaneous fish | | | 21 | 387 | 2,431 | 231 | 32 | | | | 3,092 |
| Crustacean: | | | | | | | | | | | |
| Crab, rock | 3,318 | 5,103 | 1,917 | 1,534 | 2,405 | 3,312 | 4,112 | 3,387 | 2,920 | 2,832 | 2,112 |
| Lobster, spiny | 88,563 | 57,448 | 41,755 | | | | | | | | |
| Mollusk | | | | | | | | | | | |
| Albacore | 123,055 | | 219,000 | 108,048 | 335,803 | 229,190 | 166,156 | 49,211 | 68,606 | 106,045 | 101,171 |
| Oyster | | 30 | | | 45 | 49 | | | | 25 | |
| Squid | 20,545 | 1,780 | 17,675 | 650 | 8,605 | 19,910 | 63,150 | 2,910 | | | |
| Total pounds | 5,737,825 | 6,762,582 | 9,709,284 | 6,305,621 | 8,285,803 | 5,014,375 | 11,573,377 | 11,664,079 | 3,085,425 | 3,740,099 | 72,708,525 |
| Fishing boat landings from waters south of the international boundary: | | | | | | | | | | | |
| Baja California, California | 25,827 | 169,389 | 150,103 | 26,302 | | 2,055 | 2,281 | 64,471 | 82,606 | 75,687 | 37,370 |
| Bonito | 38,732 | 18,726 | 125 | | | 60 | | | 570 | 1,913 | 22,149 |
| Cod | 14,727 | 5,628 | 17,207 | 2,748 | 3,367 | 12,200 | | 1,199 | | 5,345 | 10,017 |
| Croaker, white (kingfish) | | | | 491 | | | | | | | 491 |
| Grouper | 77,418 | 38,479 | 21,315 | 7,000 | 2,963 | 25,093 | | 3,098 | | 17,063 | 18,141 |
| Haddock | | 366 | | | | | | | | | 366 |
| Hallibut, California | 6,230 | 1,920 | | 462 | | 1,600 | 10,384 | 22,410 | | 21,345 | 5,708 |
| Mackerel, Pacific | 55 | | | | | 62 | | | | | 117 |
| Pompano, California | | | | | | 19 | | | | | 19 |
| Rockfish | 1,920 | 2,142 | 347 | | 95 | | | 375 | 110 | 385 | 5,862 |
| Rudderfish | 15,310 | 19,055 | 7,220 | 5,880 | | 4,270 | | 200 | 290 | 6,010 | 3,725 |
| Swordfish | | | | | | 108 | | | 50 | | 616 |
| Sea bass, black | 18,305 | 20,928 | 38,551 | 37,471 | 11,377 | 32,555 | 2 | 1,511 | 555 | 6,031 | 31,431 |
| Seabream | 7,000 | 203 | 1,089 | | | 105 | 24,149 | 117,055 | 60,182 | 21,898 | 72,121 |
| Shark | 950 | 2,241 | 1,007 | 518 | | 200 | 160 | 100 | 1,165 | 3,340 | 5,470 |
| Sheepshead | | 110 | 250 | 580 | | | | | | | 940 |
| Sterlet | | | 3,680 | | | 110 | | | | | 4,240 |
| Swordfish | | | | | | | | | | | 19,160 |
| Tuna, albacore | | | | | | | | 1,619 | 1,318,018 | 269,011 | 309,761 |
| Tuna, bluefin | 47,820 | **54,517 | 137,017 | | 39,620 | 74,968 | 392,137 | 6,600,648 | 311,031 | 69,511 | 274,151 |
| Tuna, skipjack | 5,123,310 | 3,841,625 | 9,125,660 | 9,508,732 | 8,413,601 | 4,956,503 | 2,408,481 | 5,117,246 | 380,792 | 29,474 | 7,873,424 |
| Tuna, yellowfin | 2,363,343 | 2,748,810 | 3,225,000 | 7,260,408 | 8,513,601 | 17,348,604 | 1,980,961 | 10,372,579 | 320,905 | 9,157,474 | 65,442,248 |
| Wahoo | | | | | 1,470 | | | | | 9,157,474 | 78,241,217 |
| Yellowtail | 2,496 | 5,332 | 24,883 | 1,194 | 524 | 612 | 726 | 650 | 14,759 | 5,458 | 13,363 |
| Total pounds | 7,084,789 | 8,929,316 | 12,758,911 | 17,182,348 | 18,343,141 | 21,758,373 | 11,427,578 | 22,093,196 | 1,003,313 | 566,615 | 18,351,321 |
| | | | | | | | | | | | 20,682,632 |
| | | | | | | | | | | | 18,310,569 |

THE MARINE FISHERIES OF CALIFORNIA

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TABLE 22—Cont'd.

TABLE 22—Continued
Monthly Landings and Shipments of Commercial Fish Into the Los Angeles Region During 1955

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|----------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|-----------|-----------|------------|------------|--------------|
| Shipments: ¹ | | | | | | | | | | | | | |
| Bonito | | | | | | | | | | | | | 2,055 |
| Caballa | | | | | | | | | | | | | 15,362 |
| Eel | | | | | | | | | | | | | 568 |
| Grouper | | | | | | | | | | | | | 34,341 |
| Sablefish | | | | | | | | | | | | | 230,741 |
| Salmon | 30,000 | 47,056 | 60,206 | 342 | 77,070 | 6,907 | 4,673 | 44,526 | 39,286 | 30,641 | | | 357,307 |
| Sturgeon | | | | | | 1,721 | 1,955 | 610 | 10,493 | 1,334 | 1,140 | | 21,665 |
| Swordfish | | | 158 | | | | | | | | | | 4,490 |
| Tuna, albacore | 3,271,675 | 4,763,014 | 5,887,904 | 5,073,218 | 3,694,054 | 1,855,148 | 4,297,349 | 6,158,474 | 426,180 | 97,356 | 1,407,484 | 1,049,701 | 39,181,519 |
| Tuna, bigeye | | | | | | | | | | | | | 397,511 |
| Tuna, bluefin | 162,384 | | | | 180,962 | | | | | | | | 343,316 |
| Tuna, skipjack | 1,144,122 | 1,244,234 | 2,303,614 | 2,303,788 | 2,162,418 | 3,074,135 | 4,388,900 | 3,143,166 | 1,600,132 | 220,741 | 1,087,277 | 10,323,000 | |
| Tuna, yellowfin | 1,548,172 | 1,626,876 | 2,303,788 | 2,303,788 | 2,162,418 | 3,074,135 | 4,388,900 | 3,143,166 | 1,667,333 | 220,741 | 1,087,277 | 26,170,000 | |
| Walrus | | | | | | 152 | | | | | | | 132 |
| Miscellaneous fish | 12,750 | 158 | 26,760 | | 27,760 | | | | 560 | | 18,420 | 26,000 | 11,275 |
| Mollusk: | | | | | | | | | | | | | |
| Clam, Pismo | 54,816 | 332,160 | | | | | | 552,000 | | 610,000 | | | 1,373,970 |
| Total pounds | 6,495,098 | 6,933,248 | 10,736,139 | 8,010,170 | 8,247,901 | 7,198,250 | 9,233,712 | 12,631,310 | 1,858,677 | 137,797 | 2,111,089 | 5,531,689 | 70,058,958 |
| Grand totals, Los Angeles region | 20,147,697 | 22,627,513 | 33,224,317 | 31,828,139 | 31,870,745 | 31,027,998 | 33,236,667 | 47,290,545 | 6,847,115 | 4,465,103 | 93,200,629 | 74,538,107 | 431,808,915 |

¹ See Table 14 for origin of shipments.

DEPARTMENT OF FISHERIES AND GAME

TABLE 22
Monthly Landings and Shipments of Commercial Fish Into the Los Angeles Region During 1955

TABLE 23
Monthly Landings and Shipments of Commercial Fish Into the San Diego Region During 1955

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|---------------------------------------|---------|----------|---------|--------|---------|---------|---------|---------|-----------|---------|----------|----------|--------------|
| Fishing boat landings from California | | | | | | | | | | | | | |
| Anchovy | | | | | | | | | | | | | 6,352 |
| Bass, California | | | | | | | | | | | | | 17,778 |
| Bonito, California | | | | | | | | | | | | | 6,657 |
| Croaker, white (Kingfish) | 932 | 199 | 278 | 10 | 975 | 649 | 57 | 155 | 1788 | 455 | 216 | 10,594 | |
| Hallibut, California | 12,613 | 7,347 | 12,631 | 8,404 | 2,000 | 1,343 | 201 | 492 | 4,819 | 257 | 4,813 | 9,341 | 69,663 |
| Lingcod | | | | | | | | | | | | | 118 |
| Mackerel, jack | | | | | | | | | | | | | 20,200 |
| Mackerel, Pacific | 21,769 | 11,924 | 3,538 | 232 | 2,555 | 13,192 | 969 | 56,992 | 10,332 | 17,009 | 11,713 | 162,309 | |
| Rockfish | | | | | | | | | | | | | 106,390 |
| Sablefish | | | | | | | | | | | | | 439 |
| Salmon | | | | | | | | | | | | | 466 |
| Solepiano | 761 | 2,976 | 6,872 | 1,300 | 1,253 | 5,091 | 505 | 4,278 | 1,300 | 204 | 55 | 633 | 25,829 |
| Sea bass, black | | | | | | | | | | | | | 2,362 |
| Sebastodes, white | 2,530 | 15,331 | 16,979 | 120 | 61,313 | 37,728 | 2,479 | 3,245 | 3,245 | 29,601 | 11,040 | 4,819 | 187,473 |
| Shark | 12,449 | 2,818 | 13,846 | 14,371 | 28,514 | 8,769 | 2,342 | 5,123 | 6,112 | 15,156 | 22,613 | 24,814 | 133,627 |
| Sheepshead | 1,215 | 202 | 189 | | | 121 | | | | 641 | | 1,533 | 5,530 |
| Sole | 39 | | | | | 12 | | | | | | 85 | 144 |
| Sole, pelagic | | | | | | | | | | | | | 144 |
| Sole, unclassified | | | | | 6 | 61 | 182 | 2,374 | 301 | 142 | 112 | 327 | 3,534 |
| Swordfish | | | | | | | | | | | | | 44,194 |
| Tuna, albacore | | | | | | | | | | | | | 1,167,001 |
| Tuna, bonito | | | | | | | | | | | | | 560,000 |
| Tuna, skipjack | | | | | | | | | | | | | 691 |
| Whiting, ocean | | | | | | | | | | | | | 250 |
| Yellowtail, ocean | | | | | | | | | | | | | 412 |
| Miscellaneous fish | 37 | 42 | | 63 | 2,326 | 976 | 63 | 348 | 19 | 45 | | | 3,006 |
| | | | | | 545 | 148 | 5 | | | | | | 735 |
| Crustacean: | | | | | | | | | | | | | |
| Crab, rock | 2,236 | 1,535 | 580 | | | | | | | 192 | 2,202 | 1,108 | 2,482 |
| Lobster, spiny | 13,587 | 15,285 | 13,922 | | | | | | | | 82,709 | 43,434 | 22,055 |
| Mollusca: | | | | | | | | | | | | | |
| Avalon | 18,318 | | 40,530 | 30,089 | 40,589 | 72,955 | 45,243 | 81,410 | 65,018 | 30,396 | 31,293 | 52,038 | 507,789 |
| Clam, jackknife | 1,302 | 1,399 | 2,487 | 3,417 | 4,090 | 4,929 | 6,408 | 6,042 | 3,134 | 1,366 | 979 | 684 | 39,837 |
| Micromesistius mollusk | | | | | | | | | 33 | | | | 33 |
| Total pounds | 88,821 | 62,651 | 127,885 | 83,072 | 341,692 | 558,380 | 603,413 | 688,380 | 197,921 | 311,271 | 195,316 | 121,827 | 3,180,878 |

TABLE 23
Monthly Landings and Shipments of Commercial Fish Into the San Diego Region During 1955

TABLE 23—Continued
Monthly Landings and Shipments of Commercial Fish Into the San Diego Region During 1955

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|--|-----------|----------|-----------|-----------|-----------|------------|------------|------------|-----------|-----------|------------|------------|--------------|
| Fishing boat landings from waters south of the International Boundary: | | | | | | | | | | | | | |
| Barracuda, California..... | 10,595 | 4,675 | 1,468 | | 1,849 | 40 | | 1,113 | 1,232 | 10,510 | 21,350 | 32,220 | 58,082 |
| Bonito..... | 7,107 | | 2,545 | | | | | | | 245 | 2,200 | 6,972 | 19,521 |
| Cabilla..... | | | | | | 216 | | 380 | | | | | 2,645 |
| Grouper..... | | 2,046 | | | | | | | | | | | 8,342 |
| Jacks, California..... | | 690 | 4,867 | | | | | | | | | | 61,399 |
| Mackerel, Pacific..... | | | 180 | | | | | | | | | | 180 |
| Morayfish..... | 995 | 272 | 4,471 | | | | 177 | 132 | | 93 | | | 645 |
| Sailfin..... | | | | | | | | | | | | | 6,735 |
| Sargo, black..... | 1,495 | 1,292 | | | | | | | | | | | 2,740 |
| Seara, white..... | 2,135 | 1,503 | 4,556 | | | | 18 | 520 | 18,491 | 13,070 | 17,109 | 28,958 | 94,691 |
| Shark..... | 740 | 320 | 1,765 | | | | | | | 20 | 1,313 | 1,200 | 1,315 |
| Sheep-head..... | | | 419 | | | | | | | | 720 | 46 | 1,126 |
| Seviche..... | | | | | | | | | | | 330 | 7,190 | 10,112 |
| Tuna, albacore..... | | | | | | | | | | | | | 16,272 |
| Tuna, bluefin..... | | | | | | | | | | | | | 302,820 |
| Tuna, skipjack..... | 4,821,565 | 314,579 | 975,274 | 2,489,394 | 2,006,628 | 2,781,723 | 2,301,623 | 2,469,132 | 1,297,851 | 871,934 | 6,100,465 | 7,403,359 | 56,172,822 |
| Tuna, yellowfin..... | 2,099,092 | 65,780 | 441,218 | 247,963 | 3,441,082 | 6,539,202 | 6,539,202 | 6,539,202 | 6,539,202 | 6,539,202 | 6,539,202 | 6,539,202 | 56,887,772 |
| Whiting, ocean..... | | | | | 4,309 | | | 8,174 | | | | | 9,483 |
| Yellowtail, ocean..... | 42,514 | 1,560 | 1,623 | 15 | 3,861 | 9,332 | | | | 58 | 663 | 8,907 | 1,045 |
| Crustaceans: | | | | | | | | | | | | | 75,814 |
| Lobster, spiny..... | | | | | | | | | | | | | 109 |
| Total pounds..... | 6,983,053 | 399,566 | 1,437,456 | 3,227,499 | 5,555,239 | 10,729,974 | 13,029,375 | 15,028,810 | 8,800,046 | 2,394,500 | 14,694,290 | 16,779,355 | 94,669,434 |
| Shipments: | | | | | | | | | | | | | |
| Cabilla..... | | | | | | | | | | 982 | | | |
| Grouper..... | | | | | | | | | | | 84 | | |
| Jacks, California..... | 2,130 | | | 27 | | | | | | | | | 10,660 |
| Mackerel, Pacific..... | | | 3,003 | 3,262 | | | | | | | | | 909 |
| Sailfin..... | | | | | | | | | | | | | 674 |
| Seara, white..... | | | | | 283 | | | | | | | | 823 |
| Tuna, albacore..... | 664,241 | 214,245 | | | | 2,676 | | | | | | | 875,155 |
| Tuna, yellowfin..... | 664,355 | | 573,569 | 296,377 | 215,412 | 1,068,482 | 1,342,342 | 113,380 | 1,086 | | | | 6,786,900 |
| Total pounds..... | 1,563,824 | 214,245 | 1,149,162 | 1,684,125 | 472,400 | 1,803,384 | 1,791,343 | 149,363 | 1,086 | 1,722,983 | 1,031,274 | | 3,901,907 |
| Grand totals, San Diego region..... | 8,637,701 | 675,472 | 2,714,603 | 4,996,655 | 6,369,351 | 13,093,738 | 15,516,131 | 18,864,859 | 8,999,047 | 4,428,844 | 15,940,590 | 16,911,212 | 111,148,603 |

¹ See Table 14 for origin of shipments.

TABLE 23
Monthly Landings and Shipments of Commercial Fish Into the San Diego Region During 1955

TABLE 24
The Value, by Region, of the Annual Landings and Shipments of Commercial Fish
Into California During 1955

| Species | Eureka region | | Sacramento region | | San Francisco region | | Monterey region | |
|--------------------------------|---------------|-----------|-------------------|----------|----------------------|-----------|-----------------|----------|
| | Pounds | Value | Pounds | Value | Pounds | Value | Pounds | Value |
| Fishing boat landings: | | | | | | | | |
| Anchoovy..... | | | | | 206,650 | \$7,357 | 6,883,535 | \$90,174 |
| Barracuda, California..... | | | | | | | | |
| Bonito..... | | | | | | | | |
| Cabezon..... | | | | | 759 | 19 | 4,578 | 150 |
| Cabrilla..... | | | | | | | | |
| Carp..... | | | 734,070 | \$44,045 | | | | |
| Croaker, white (kingfish)..... | | | | | 8,114 | 797 | 335,367 | 20,957 |
| Flounder..... | 178,277 | \$7,505 | | | 360,987 | 14,693 | 108,841 | 6,454 |
| Flyingfish..... | | | | | | | | |
| Grouper..... | | | | | | | | |
| Hake..... | 594,686 | 9,991 | | | 41,245 | 425 | 319,704 | 2,942 |
| Halfmoon..... | | | | | | | | |
| Halibut, arrowtooth..... | 716,943 | 14,124 | | | 31,306 | 860 | | |
| Halibut, California..... | | | | | 41,754 | 8,559 | 31,147 | 6,467 |
| Halibut, Pacific..... | 51,942 | 10,019 | | | | | | |
| Hardhead..... | | | | | | | | |
| Herring, Pacific..... | 79,227 | 2,060 | 64,436 | 27,707 | 1,147,567 | 27,886 | 719,727 | 19,740 |
| Lingcod..... | 476,879 | 33,382 | | | 335,668 | 23,423 | 104,275 | 10,271 |
| Mackerel, jack..... | 190 | 20 | | | 175 | 7 | 129,190 | 7,623 |
| Mackerel, Pacific..... | | | | | | | 330 | 33 |
| Opahye..... | | | | | | | | |
| Perch..... | 37,500 | 5,042 | | | 37,646 | 5,535 | 31,811 | 3,335 |
| Pompano, California..... | | | | | 148 | 56 | 58,858 | 14,337 |
| Ratfish..... | | | | | | | 18,533 | 222 |
| Rock bass..... | | | | | | | | |
| Rockfish..... | 2,967,837 | 91,691 | | | 1,562,607 | 58,755 | 4,160,038 | 182,317 |
| Sablefish..... | 1,043,118 | 95,863 | | | 346,047 | 10,589 | 615,980 | 20,882 |
| Salmon..... | 4,811,641 | 1,681,535 | 2,320,746 | 600,841 | 3,936,028 | 1,348,893 | 606,469 | 216,667 |
| Sanddab..... | 157,184 | 8,299 | | | 435,902 | 19,414 | 140,729 | 8,965 |
| Sardine..... | | | | | | | 937,160 | 22,398 |
| Sargo, California..... | | | | | | | | |
| Solepin..... | | | | | | | | |
| Solepin, staghorn..... | | | | | 1,201 | 60 | | |
| Sea bass, black..... | | | | | | | | |
| Seabass, white..... | | | | | 1,329 | 437 | 6,641 | 1,686 |
| SeatROUT, greenling..... | | | | | | | | |
| Shad..... | | | 478,454 | 29,282 | | | | |
| Shark..... | 484 | 28 | | | 60,173 | 3,170 | 116,095 | 6,594 |
| Sheep-head..... | | | | | | | | |
| Sierra..... | | | | | | | | |
| Skate..... | 6,172 | 74 | | | 122,293 | 1,500 | 16,720 | 182 |
| Smelt..... | 29,994 | 2,310 | | | 447,706 | 24,418 | 255,392 | 14,835 |
| Sole, Dover..... | 7,627,049 | 376,013 | | | 559,533 | 19,214 | 6,170 | 139 |
| Sole, English..... | 1,098,805 | 64,611 | | | 2,330,860 | 124,235 | 588,459 | 41,663 |
| Sole, petrale..... | 1,603,919 | 136,333 | | | 1,581,864 | 142,938 | 127,421 | 12,806 |
| Sole, rex..... | 463,190 | 25,522 | | | 523,641 | 23,302 | 52,305 | 2,595 |
| Sole, sand..... | 3,521 | 269 | | | 82,864 | 7,135 | | |
| Sole unclassified..... | 3,545 | 191 | | | 900 | 90 | 6,052 | 488 |
| Splittail..... | | | 1,590 | 490 | | | | |
| Squawfish..... | | | 114 | 5 | | | | |
| Swordfish..... | | | | | | | | |
| Tomcod..... | | | | | 2,869 | 96 | | |
| Tuna, albacore..... | 57,368 | 8,823 | | | 2,471,722 | 351,479 | 2,152,341 | 315,318 |
| Tuna, bluefin..... | | | | | 436,959 | 57,504 | 183,619 | 22,640 |
| Tuna, skipjack..... | | | | | 68,829 | 8,211 | 361,301 | 45,632 |
| Tuna, yellowfin..... | | | | | | | | |
| Turbot..... | 4,957 | 299 | | | 133,171 | 19,976 | 827,985 | 119,064 |
| Wahoo..... | | | | | 83,639 | 3,488 | 1,640 | 68 |
| Whitelsuit..... | 95,409 | 8,492 | | | 29,159 | 3,246 | 89,990 | 5,913 |
| Whitelish, ocean..... | | | | | | | | |
| Yellowtail..... | | | | | | | | |
| Miscellaneous fish..... | | | 74 | 4 | 56 | 6 | | |
| | | | | | | | 50 | 1 |

TABLE 24
The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1955

TABLE 24—Continued
The Value, by Region, of the Annual Landings and Shipments of Commercial Fish
Into California During 1955

| Species | Santa Barbara region | | Los Angeles region | | San Diego region | | Total | |
|--------------------------------|----------------------|----------|--------------------|------------|------------------|-----------|-------------|------------|
| | Pounds | Value | Pounds | Value | Pounds | Value | Pounds | Value |
| Fishing boat landings: | | | | | | | | |
| Anchovy..... | 3,261,660 | \$59,362 | 34,333,355 | \$439,467 | 6,382 | \$224 | 44,691,582 | \$596,584 |
| Barracuda, California..... | 3,591 | 901 | 872,548 | 140,219 | 264,820 | 36,420 | 1,140,959 | 177,510 |
| Bonito..... | | | 112,809 | 6,690 | 24,181 | 1,318 | 136,990 | 8,008 |
| Cabezon..... | 1,607 | 80 | | | | | 6,944 | 249 |
| Cabrilla..... | | | 98,224 | 14,615 | 2,545 | 305 | 100,769 | 14,620 |
| Carp..... | | | 448 | 27 | | | 734,518 | 44,072 |
| Croaker, white (kingfish)..... | 61,251 | 3,503 | 404,160 | 16,431 | 10,596 | 1,069 | 819,488 | 42,757 |
| Flounder..... | 2,075 | 133 | | | | | 650,180 | 28,785 |
| Flyingfish..... | | | 22,565 | 1,869 | | | 22,565 | 1,869 |
| Grouper..... | | | 239,678 | 46,665 | 5,842 | 929 | 245,520 | 47,594 |
| Hake..... | | | 910 | 16 | | | 956,545 | 13,374 |
| Halfmoon..... | | | 34,410 | 8,410 | | | 34,410 | 8,410 |
| Haddock, porpoise..... | | | | | | | 748,249 | 14,984 |
| Halibut, California..... | 186,337 | 32,313 | 169,502 | 35,375 | 131,062 | 26,772 | 509,502 | 109,486 |
| Halibut, Pacific..... | | | | | | | 51,942 | 10,019 |
| Hardhead..... | | | | | | | 64,436 | 27,707 |
| Herring, Pacific..... | | | | | | | 1,946,521 | 49,686 |
| Lingcod..... | 47,671 | 4,352 | 395 | 49 | 138 | 17 | 964,926 | 71,494 |
| Mackerel, jack..... | 9,809,510 | 151,066 | 25,785,875 | 551,817 | 29,767 | 1,191 | 35,754,707 | 711,724 |
| Mackerel, Pacific..... | 1,103,845 | 17,331 | 22,038,638 | 506,888 | 167,489 | 7,336 | 23,310,302 | 531,588 |
| Opah..... | | | 6,117 | 920 | | | 6,117 | 920 |
| Perch..... | 29,597 | 3,444 | | | | | 136,554 | 17,356 |
| Pompano, California..... | 2,279 | 550 | 18,019 | 4,959 | | | 79,304 | 19,902 |
| Ratfish..... | | | | | | | 18,533 | 222 |
| Rock bass..... | | | 5,862 | 928 | | | 5,862 | 928 |
| Rockfish..... | 3,378,233 | 120,611 | 499,431 | 51,588 | 113,551 | 8,889 | 12,681,697 | 513,851 |
| Sablefish..... | 52,487 | 2,288 | 7,666 | 449 | 439 | 56 | 2,065,737 | 130,127 |
| Salmon..... | 301,305 | 105,057 | 1,085 | 468 | 468 | 214 | 11,977,742 | 3,953,675 |
| Sanddab..... | 18,824 | 954 | 29,488 | 5,358 | | | 781,527 | 42,990 |
| Sardine..... | 39,731,905 | 675,442 | 104,938,684 | 2,371,613 | | | 145,607,749 | 3,069,453 |
| Sargo, California..... | | | 695 | 139 | | | 695 | 139 |
| Sculpin..... | | | 79,493 | 18,284 | 28,532 | 5,712 | 108,025 | 23,996 |
| Sculpin, staghorn..... | | | | | | | 1,201 | 60 |
| Sea bass, black..... | 189 | 28 | 346,063 | 51,356 | 19,235 | 2,629 | 365,487 | 54,013 |
| Seabass, white..... | 92,446 | 20,200 | 352,121 | 126,920 | 282,328 | 69,919 | 914,865 | 218,262 |
| SeatROUT, greenling..... | 752 | 38 | | | | | 752 | 38 |
| Shad..... | | | | | | | 478,454 | 29,282 |
| Shark..... | 139,884 | 9,159 | 93,201 | 11,930 | 166,364 | 17,211 | 576,201 | 48,092 |
| Sheep-head..... | 1,749 | 174 | 4,627 | 281 | 6,776 | 504 | 13,152 | 959 |
| Sierra..... | | | 4,240 | 549 | | | 4,240 | 549 |
| Skate..... | 3,765 | 229 | 3,528 | 328 | 144 | 14 | 152,622 | 2,417 |
| Smelt..... | 10,035 | 478 | 37,045 | 1,520 | | | 780,172 | 43,561 |
| Sole, Dover..... | 1,749 | 86 | | | | | 8,185,501 | 385,452 |
| Sole, English..... | 116,655 | 9,088 | | | | | 4,134,779 | 239,597 |
| Sole, petrale..... | 305,787 | 29,172 | | | 512 | 61 | 3,619,503 | 321,310 |
| Sole, rex..... | 55,301 | 2,920 | | | | | 1,094,437 | 54,339 |
| Sole, sand..... | 6,187 | 560 | | | | | 92,572 | 7,964 |
| Sole, unclassified..... | 3,514 | 240 | 1,907 | 187 | 3,534 | 411 | 19,452 | 1,607 |
| Splittail..... | | | | | | | 1,590 | 490 |
| Squawfish..... | | | | | | | 114 | 5 |
| Swordfish..... | 1,850 | 775 | 78,502 | 34,157 | 54,307 | 23,395 | 134,659 | 58,327 |
| Tomeod..... | | | | | | | 2,869 | 96 |
| Tuna, albacore..... | 119,272 | 18,046 | 6,810,733 | 1,127,857 | 17,390,856 | 2,378,189 | 29,002,298 | 4,699,712 |
| Tuna, bluefin..... | | | 12,065,063 | 1,727,716 | 923,536 | 332,897 | 13,609,177 | 1,940,757 |
| Tuna, skipjack..... | | | 65,442,885 | 8,821,712 | 36,017,943 | 4,819,201 | 101,890,956 | 13,694,756 |
| Tuna, yellowfin..... | | | 78,282,731 | 12,024,228 | 43,047,977 | 6,582,036 | 122,291,864 | 18,745,304 |
| Turbot..... | 10,250 | 525 | | 13,379 | 4,403 | 9,483 | 3,319 | 100,486 |
| Wahoo..... | | | | | | | 22,862 | 7,722 |
| Whitebait..... | | | | | | | 214,558 | 17,651 |
| Whitefish, ocean..... | | | 854 | 62 | 1,458 | 136 | 2,312 | 198 |
| Yellowtail..... | | | 81,880 | 7,295 | 82,442 | 6,166 | 164,322 | 13,461 |
| Miscellaneous fish..... | 469 | 26 | 3,102 | 334 | 735 | 140 | 4,486 | 511 |

TABLE 24
The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1955

TABLE 24—Continued
*The Value, by Region, of the Annual Landings and Shipments of Commercial Fish
 Into California During 1955*

| Species | Eureka region | | Sacramento region | | San Francisco region | | Monterey region | |
|------------------------------|---------------|-------------|-------------------|-----------|----------------------|-------------|-----------------|-------------|
| | Pounds | Value | Pounds | Value | Pounds | Value | Pounds | Value |
| Crustacean: | | | | | | | | |
| Crab..... | 1,545,464 | \$274,009 | | | 4,466,563 | \$681,151 | 9,461 | \$1,872 |
| Crab, rock..... | | | | | | | | |
| Lobster, spiny..... | | | | | | | | |
| Prawn..... | | | | | | | 1,164 | 466 |
| Shrimp, bay..... | | | | | 682,731 | \$50,913 | | |
| Shrimp, ocean..... | 506,533 | 48,324 | | | 330,681 | 23,276 | | |
| Mollusk: | | | | | | | | |
| Abalone..... | | | | | 23,664 | 3,313 | | |
| Clam, gaper..... | | | | | | | 2,002 | 185 |
| Clam, jackknife..... | | | | | | | | |
| Clam, Washington..... | 7,378 | 853 | | | 113 | 34 | | |
| Octopus..... | 255 | 14 | | | 11,694 | 427 | 10,203 | 1,021 |
| Oyster, eastern..... | | | | | 140,918 | 36,188 | | |
| Oyster, native..... | | | | | 18,580 | 3,007 | | |
| Oyster, giant Pacific..... | | | | | 179,462 | 19,920 | | |
| Squid..... | | | | | 2,500 | 75 | 14,118,013 | 230,123 |
| Miscellaneous mollusk..... | | | | | 20 | 2 | 95 | 28 |
| Total pounds and value | 24,169,544 | \$2,905,700 | 3,599,466 | \$702,376 | 23,278,521 | \$3,136,163 | 34,139,391 | \$1,457,253 |
| Shipments: ¹ | | | | | | | | |
| Bonito..... | | | | | | | | |
| Cabrilula..... | | | | | | | | |
| Eel..... | | | | | | | | |
| Grouper..... | | | | | | | | |
| Halibut, California..... | | | | | | | | |
| Halibut, Pacific..... | | | | | 40,529 | 8,106 | | |
| Mackerel, Pacific..... | | | | | | | | |
| Sablefish..... | | | | | 221,689 | 38,174 | | |
| Salmon..... | | | | | 81,656 | 24,930 | | |
| Sealpin..... | | | | | | | | |
| Seabass, white..... | | | | | | | | |
| Shad..... | | | | | 27,853 | 29,246 | | |
| Sturgeon..... | | | | | | | | |
| Swordfish..... | | | | | | | | |
| Tuna, albacore..... | | | | | 4,787,991 | 798,158 | | |
| Tuna, bigeye..... | | | | | 112,463 | 12,405 | | |
| Tuna, bluefin..... | | | | | | | | |
| Tuna, skipjack..... | | | | | 1,136,739 | 139,705 | 376,491 | 46,271 |
| Tuna, yellowfin..... | | | | | 7,560,713 | 1,069,841 | 226,139 | 31,999 |
| Wahoo..... | | | | | | | | |
| Miscellaneous fish..... | | | | | 17,090 | 3,994 | | |
| Mollusk: | | | | | | | | |
| Clam, Pismo..... | | | | | | | | |
| Total pounds and value | | | | | 13,986,723 | \$2,124,559 | 602,630 | \$78,270 |
| Grand totals..... | 24,169,544 | \$2,905,700 | 3,599,466 | \$702,376 | 37,265,244 | \$5,260,722 | 34,742,021 | \$1,535,523 |

¹ See Table 14 for origin of shipments.

TABLE 24
The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1955

TABLE 24—Continued
*The Value, by Region, of the Annual Landings and Shipments of Commercial Fish
 Into California During 1955*

| Species | Santa Barbara region | | Los Angeles region | | San Diego region | | Total | |
|----------------------------|----------------------|-------------|--------------------|--------------|------------------|--------------|-------------|--------------|
| | Pounds | Value | Pounds | Value | Pounds | Value | Pounds | Value |
| Crustacean: | | | | | | | | |
| Crab..... | 97,832 | \$19,273 | | | | | 6,119,320 | \$976,305 |
| Crab, rock..... | 9,043 | 223 | 33,928 | \$3,359 | 11,080 | \$281 | 54,051 | 3,868 |
| Lobster, spiny..... | 200,914 | 93,263 | 466,080 | 237,281 | 192,131 | 103,175 | 859,125 | 433,719 |
| Prawn..... | | | | | | | 1,164 | 466 |
| Shrimp, bay..... | | | | | | | 682,731 | 50,913 |
| Shrimp, ocean..... | 1,442 | 144 | | | | | 838,656 | 71,744 |
| Mollusk: | | | | | | | | |
| Abalone..... | 2,044,046 | 260,168 | 1,610,376 | 119,635 | 507,789 | 40,137 | 4,185,875 | 423,253 |
| Clam, gaper..... | | | | | | | 2,002 | 185 |
| Clam, jackknife..... | | | | | | | 36,837 | 13,217 |
| Clam, Washington..... | | | | | | | 7,491 | 887 |
| Octopus..... | 4,025 | 262 | 169 | 23 | | | 26,346 | 1,737 |
| Oyster, eastern..... | | | | | | | | |
| Oyster, native..... | | | | | | | 140,618 | 36,188 |
| Oyster, giant Pacific..... | 1,455,605 | 29,549 | | | | | 18,560 | 3,007 |
| Squid..... | 14,000 | 315 | 137,455 | 3,740 | | | 1,635,067 | 49,469 |
| Miscellaneous mollusk..... | 18 | 11 | | | | | 14,271,968 | 234,253 |
| Total pounds and value .. | 62,638,956 | \$1,672,329 | 355,749,930 | \$28,527,217 | 99,541,312 | \$14,783,498 | 603,117,120 | \$53,184,536 |
| Shipments: ¹ | | | | | | | | |
| Bonito..... | | | 2,935 | 242 | | | 2,835 | 242 |
| Cabrilla..... | | | 15,362 | 2,234 | 982 | 143 | 16,414 | 2,377 |
| Eel..... | | | 508 | 183 | | | 508 | 183 |
| Grouper..... | | | 9,544 | 1,967 | | | 190 | 10,465 |
| Halibut, California..... | | | | | 921 | | 10,460 | 10,460 |
| Halibut, Pacific..... | | | | | 10,460 | | 1,638 | 1,638 |
| Mackerel, Pacific..... | | | | | | | 40,529 | 8,106 |
| Sablefish..... | | | 230,781 | 39,740 | | | 909 | 69 |
| Salmon..... | | | 357,397 | 109,114 | | | 452,470 | 77,914 |
| Sculpin..... | | | | | 674 | 101 | 439,053 | 134,044 |
| Seabass, white..... | | | | | 263 | 57 | 283 | 57 |
| Shad..... | | | | | | | 27,833 | 29,246 |
| Sturgeon..... | | | 21,665 | 6,928 | | | 21,665 | 6,928 |
| Swordfish..... | | | 1,081 | 194 | | | 1,081 | 194 |
| Tuna, albacore..... | | | 39,181,549 | 6,531,564 | 875,135 | 145,885 | 44,844,675 | 7,475,607 |
| Tuna, bigeye..... | 2,530 | 279 | 397,541 | 43,849 | | | 512,534 | 56,533 |
| Tuna, bluefin..... | | | 343,346 | 44,635 | | | 343,346 | 44,635 |
| Tuna, skipjack..... | | | 10,333,893 | 1,269,390 | 6,786,900 | 834,110 | 18,634,023 | 2,289,476 |
| Tuna, yellowfin..... | 2,338,254 | 330,863 | 26,470,000 | 3,745,505 | 3,931,037 | 556,242 | 40,526,143 | 5,734,450 |
| Wahoo..... | | | | 132 | 40 | | 132 | 40 |
| Miscellaneous fish..... | | | 114,275 | 26,706 | | | 131,365 | 30,700 |
| Mollusk: | | | | | | | | |
| Clam, Pismo..... | | | 1,578,976 | 35,211 | | | 1,578,976 | 35,211 |
| Total pounds and value .. | 2,340,784 | \$331,142 | 79,058,985 | \$11,857,502 | 11,607,281 | \$1,538,435 | 107,596,403 | \$15,929,908 |
| Grand totals..... | 64,979,740 | \$2,003,471 | 434,808,915 | \$40,384,719 | 111,148,593 | \$16,321,933 | 710,713,523 | \$69,114,444 |

¹ See Table 14 for origin of shipments.

TABLE 24
The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1955

TABLE 25
*Landings of the Commercial Fishing Boats in the Eureka Region During 1955, Shown by
 Port of Landing With the Corresponding Values*

| | | Value | Pounds |
|---------------------------|-------------|-------------|------------|
| Eureka region totals..... | | \$2,905,700 | 24,169,544 |
| Eureka..... | | | |
| Salmon..... | \$619,322 | 1,772,344 | |
| Dover sole..... | 177,002 | 3,590,313 | |
| Crab..... | 60,517 | 341,326 | |
| Petrale sole..... | 47,625 | 560,295 | |
| Rockfish..... | 37,504 | 1,205,929 | |
| English sole..... | 37,125 | 631,371 | |
| Sablefish..... | 34,176 | 371,880 | |
| Rex sole..... | 12,734 | 231,109 | |
| Pacific halibut..... | 9,894 | 51,292 | |
| Lingcod..... | 8,669 | 123,849 | |
| Albacore..... | 7,220 | 46,942 | |
| Sanddab..... | 5,636 | 106,748 | |
| All other..... | 18,151 | 445,839 | |
| Totals..... | \$1,075,575 | 9,479,237 | |
| Fort Bragg..... | | | |
| Salmon..... | \$661,154 | 1,884,487 | |
| Dover sole..... | 81,151 | 1,646,062 | |
| Sablefish..... | 50,742 | 552,142 | |
| Petrale sole..... | 33,231 | 390,949 | |
| Rockfish..... | 15,286 | 501,605 | |
| Lingcod..... | 13,175 | 188,209 | |
| English sole..... | 12,696 | 205,712 | |
| Rex sole..... | 6,660 | 120,869 | |
| Crab..... | 2,778 | 15,670 | |
| All other..... | 5,847 | 122,659 | |
| Totals..... | \$882,120 | 5,628,364 | |
| Crescent City..... | | | |
| Salmon..... | \$342,227 | 985,831 | |
| Crab..... | 150,140 | 846,816 | |
| Ocean shrimp..... | 48,254 | 505,803 | |
| Dover sole..... | 4,671 | 94,748 | |
| All other..... | 11,071 | 161,958 | |
| Totals..... | \$556,363 | 2,595,156 | |
| Fields Landing..... | | | |
| Dover sole..... | \$113,180 | 2,295,926 | |
| Petrale sole..... | 54,256 | 638,311 | |
| Rockfish..... | 37,810 | 1,223,103 | |
| Salmon..... | 25,356 | 73,197 | |
| English sole..... | 14,048 | 238,904 | |
| Crab..... | 13,719 | 77,377 | |
| Arrowtooth halibut..... | 11,279 | 572,518 | |
| Sablefish..... | 10,368 | 112,814 | |
| Lingcod..... | 9,102 | 130,031 | |
| Hake..... | 8,341 | 496,497 | |
| Rex sole..... | 5,824 | 105,702 | |
| All other..... | 6,529 | 124,011 | |
| Totals..... | \$309,821 | 6,090,391 | |
| Trinidad..... | | | |
| Crab..... | \$46,842 | 264,199 | |
| Salmon..... | 9,906 | 29,201 | |
| All other..... | 7 | 142 | |
| Totals..... | \$56,755 | 293,542 | |
| Point Arena..... | | | |
| Salmon..... | \$22,860 | 64,546 | |
| All other..... | 72 | 919 | |
| Totals..... | \$22,932 | 65,465 | |
| All other ports..... | | | |
| All other..... | \$2,134 | 17,389 | |
| Totals..... | \$2,134 | 17,389 | |

TABLE 25
*Landings of the Commercial Fishing Boats in the Eureka Region During 1955, Shown by Port of Landing With
 the Corresponding Values*

TABLE 26
Landings of the Commercial Fishing Boats in the Sacramento Region During 1955, Shown by Port of Landing With the Corresponding Values

| | | Value | Pounds |
|-------------------------------|----------------|-----------|-----------|
| Sacramento region totals..... | | \$702,482 | 3,599,466 |
| Pittsburg..... | Salmon..... | \$298,686 | 1,153,673 |
| | Shad..... | 22,584 | 370,709 |
| | All other..... | 421 | 7,012 |
| | Totals..... | \$321,691 | 1,540,394 |
| Sacramento..... | Salmon..... | \$91,556 | 353,633 |
| | Hardhead..... | 3,199 | 7,379 |
| | All other..... | 622 | 3,933 |
| | Totals..... | \$95,377 | 364,945 |
| Benicia..... | Salmon..... | \$92,356 | 356,726 |
| | All other..... | 1,713 | 26,068 |
| | Totals..... | \$94,069 | 382,794 |
| Port Costa..... | Salmon..... | \$70,231 | 271,268 |
| | Totals..... | \$70,231 | 271,268 |
| Martinez..... | Salmon..... | \$47,871 | 184,900 |
| | Shad..... | 4,950 | 71,939 |
| | Totals..... | \$52,821 | 256,839 |
| Clear Lake..... | Carp..... | \$26,945 | 449,083 |
| | Hardhead..... | 16,277 | 37,854 |
| | Totals..... | \$43,222 | 486,937 |
| Turlock..... | Carp..... | \$10,668 | 176,908 |
| | All other..... | 719 | 1,701 |
| | Totals..... | \$11,387 | 178,609 |
| All other ports..... | All other..... | \$13,684 | 117,680 |
| | Totals..... | \$13,684 | 117,680 |

TABLE 26
Landings of the Commercial Fishing Boats in the Sacramento Region During 1955, Shown by Port of Landing With the Corresponding Values

TABLE 27

*Landings of the Commercial Fishing Boats and Shipments Into the San Francisco Region During 1955,
Shown by Port of Landing With the Corresponding Values*

| | | Value | Pounds |
|----------------------------------|-------------|-------------|------------|
| San Francisco region totals..... | | \$5,200,722 | 37,265,244 |
| San Francisco..... | | | |
| Yellowfin tuna..... | \$1,089,817 | 7,693,884 | |
| Albacore..... | 952,665 | 5,874,535 | |
| Crab..... | 408,539 | 2,678,945 | |
| Salmon..... | 290,121 | 855,471 | |
| Skipjack..... | 147,916 | 1,205,568 | |
| Petrile sole..... | 97,067 | 1,074,442 | |
| English sole..... | 81,455 | 1,528,237 | |
| Bluefin tuna..... | 57,504 | 436,959 | |
| Sablefish..... | 45,925 | 474,985 | |
| Rockfish..... | 36,508 | 922,514 | |
| Shad..... | 29,246 | 27,853 | |
| Bay shrimp..... | 16,591 | 222,700 | |
| Smelt..... | 14,823 | 346,008 | |
| Dover sole..... | 13,915 | 398,711 | |
| Sanddab..... | 12,831 | 287,695 | |
| Bigeye tuna..... | 12,405 | 112,463 | |
| Rex sole..... | 12,348 | 277,483 | |
| Lingcod..... | 12,066 | 172,870 | |
| Flounder..... | 10,203 | 250,680 | |
| Pacific herring..... | 9,794 | 403,047 | |
| Pacific halibut..... | 8,106 | 40,529 | |
| Anchovy..... | 7,357 | 206,650 | |
| Sand sole..... | 6,494 | 75,420 | |
| All other..... | 22,651 | 323,289 | |
| Totals..... | \$3,396,347 | 25,890,938 | |
| Point Reyes (Drakes Bay)..... | | | |
| Salmon..... | \$583,915 | 1,703,865 | |
| Crab..... | 53,124 | 348,352 | |
| Petrile sole..... | 24,358 | 246,232 | |
| English sole..... | 16,042 | 317,862 | |
| Rockfish..... | 10,602 | 342,322 | |
| Rex sole..... | 5,008 | 112,544 | |
| All other..... | 18,530 | 388,133 | |
| Totals..... | \$712,760 | 3,482,310 | |
| Bodega Bay..... | | | |
| Salmon..... | \$375,390 | 1,095,391 | |
| Crab..... | 78,398 | 514,087 | |
| English sole..... | 25,838 | 484,761 | |
| Petrile sole..... | 21,532 | 238,190 | |
| Ocean shrimp..... | 21,730 | 308,725 | |
| Rockfish..... | 11,307 | 296,883 | |
| Smelt..... | 8,471 | 89,767 | |
| Lingcod..... | 6,387 | 91,504 | |
| Rex sole..... | 5,946 | 133,614 | |
| All other..... | 12,497 | 333,576 | |
| Totals..... | \$567,496 | 3,586,498 | |
| Sausalito..... | | | |
| Albacore..... | \$152,736 | 1,074,091 | |
| Crab..... | 82,983 | 544,152 | |
| Salmon..... | 77,931 | 227,403 | |
| All other..... | 7 | 78 | |
| Totals..... | \$313,657 | 1,845,724 | |
| Oakland..... | | | |
| Albacore..... | \$44,215 | 310,936 | |
| Crab..... | 28,838 | 189,100 | |
| Salmon..... | 20,422 | 59,585 | |
| All other..... | 1,529 | 20,519 | |
| Totals..... | \$95,004 | 580,140 | |
| Tomales Bay (Marshall)..... | | | |
| Eastern oyster..... | \$30,188 | 140,918 | |
| Giant Pacific oyster..... | 18,005 | 176,322 | |
| Pacific herring..... | 18,092 | 744,520 | |
| All other..... | 8,160 | 64,963 | |
| Totals..... | \$81,345 | 1,120,723 | |

TABLE 27

*Landings of the Commercial Fishing Boats and Shipments Into the San Francisco Region During 1955, Shown
by Port of Landing With the Corresponding Values*

TABLE 27—Continued

**Landings of the Commercial Fishing Boats and Shipments Into the San Francisco Region During 1955,
Shown by Port of Landing With the Corresponding Values**

| | | Value | Pounds |
|----------------------|-----------------|----------|---------|
| Princeton..... | Crab..... | \$24,992 | 163,879 |
| | Salmon..... | 20,846 | 60,828 |
| | All other..... | 4,171 | 32,132 |
| | Totals..... | \$50,009 | 256,839 |
| Richmond..... | Bay shrimp..... | \$31,311 | 420,280 |
| | All other..... | 653 | 5,119 |
| | Totals..... | \$31,964 | 425,399 |
| Berkeley..... | Salmon..... | \$5,180 | 15,089 |
| | Crab..... | 3,516 | 23,058 |
| | Totals..... | \$8,696 | 38,147 |
| All other ports..... | All other..... | \$3,444 | 38,526 |
| | Totals..... | \$3,444 | 38,526 |

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TABLE 27

**Landings of the Commercial Fishing Boats and Shipments Into the San Francisco Region During 1955, Shown
by Port of Landing With the Corresponding Values**

TABLE 28
*Landings of the Commercial Fishing Boats and Shipments Into the Monterey Region During 1955,
 Shown by Port of Landing With the Corresponding Values*

| | | Value | Pounds |
|--------------------------------|-----------|-------------|------------|
| Monterey region totals..... | | \$1,535,523 | 34,742,021 |
| Monterey | | | |
| Squid | \$201,566 | 12,366,028 | |
| Rockfish | 175,716 | 4,061,808 | |
| Yellowfin tuna | 151,063 | 1,054,124 | |
| Skipjack | 91,903 | 737,792 | |
| Anchovy | 66,895 | 5,106,520 | |
| Salmon | 39,409 | 110,420 | |
| Albacore | 35,991 | 245,669 | |
| English sole | 28,452 | 401,867 | |
| Bluefin tuna | 22,640 | 183,619 | |
| Sardine | 12,317 | 515,376 | |
| Sablefish | 11,933 | 352,019 | |
| White croaker (kingfish) | 11,825 | 189,252 | |
| Lingcod | 7,654 | 77,701 | |
| Petrale sole | 7,175 | 71,391 | |
| Sanddab | 6,918 | 108,604 | |
| Smelt | 6,894 | 114,764 | |
| Jack mackerel | 6,136 | 103,995 | |
| Pacific herring | 5,078 | 186,565 | |
| All other | 26,919 | 579,444 | |
| Totals..... | \$916,484 | 26,566,758 | |
| Moss Landing..... | | | |
| Albacore | \$275,795 | 1,882,560 | |
| Salmon | 106,961 | 299,332 | |
| Squid | 28,476 | 1,747,000 | |
| Anchovy | 22,912 | 1,749,000 | |
| Sardine | 10,062 | 421,000 | |
| Pacific herring | 9,988 | 363,200 | |
| Shark | 5,014 | 65,690 | |
| All other | 10,273 | 140,579 | |
| Totals..... | \$469,481 | 6,698,361 | |
| Santa Cruz..... | | | |
| Salmon | \$70,297 | 196,717 | |
| English sole | 11,739 | 165,803 | |
| California pompano | 9,493 | 38,971 | |
| Sablefish | 8,931 | 263,442 | |
| Smelt | 7,126 | 124,583 | |
| Rockfish | 6,424 | 94,494 | |
| White croaker (kingfish) | 5,413 | 86,605 | |
| Petrale sole | 5,339 | 53,120 | |
| All other | 24,796 | 453,167 | |
| Totals..... | \$149,558 | 1,476,902 | |

TABLE 28
*Landings of the Commercial Fishing Boats and Shipments Into the Monterey Region During 1955, Shown by
 Port of Landing With the Corresponding Values*

TABLE 29

*Landings of the Commercial Fishing Boats and Shipments Into the Santa Barbara Region During 1955,
Shown by Port of Landing With the Corresponding Values*

| | | Value | Pounds |
|---|---------------------------|-------------|------------|
| Santa Barbara region totals..... | | \$2,003,471 | 64,979,740 |
| Port Hueneme..... | Sardine..... | \$570,967 | 33,586,295 |
| | Jack mackerel..... | 138,334 | 8,982,720 |
| | Anchovy..... | 56,188 | 3,087,260 |
| | Pacific mackerel..... | 15,524 | 988,777 |
| | California halibut..... | 8,445 | 35,632 |
| | All other..... | 3,342 | 35,236 |
| | Totals..... | \$792,800 | 46,715,920 |
| Port San Luis (Avila, Grover City)..... | Yellowfin tuna..... | \$330,863 | 2,338,254 |
| | Salmon..... | 87,164 | 249,968 |
| | Abalone..... | 12,479 | 93,334 |
| | Rockfish..... | 10,284 | 263,999 |
| | Petrale sole..... | 6,077 | 63,703 |
| | All other..... | 23,865 | 305,559 |
| | Totals..... | \$470,732 | 3,314,817 |
| Santa Barbara..... | Abalone..... | \$139,915 | 1,136,365 |
| | Sardine..... | 102,808 | 6,047,535 |
| | Spiny lobster..... | 88,926 | 191,569 |
| | California halibut..... | 19,433 | 81,994 |
| | White seabass..... | 18,396 | 84,191 |
| | Jack mackerel..... | 12,656 | 821,842 |
| | Shark..... | 7,213 | 106,490 |
| | Petrale sole..... | 5,561 | 55,288 |
| | All other..... | 13,312 | 399,199 |
| | Totals..... | \$407,320 | 8,927,473 |
| Morro Bay..... | Rockfish..... | \$108,913 | 3,073,382 |
| | Abalone..... | 43,090 | 322,291 |
| | Giant Pacific oyster..... | 29,549 | 1,455,605 |
| | Salmon..... | 17,753 | 50,938 |
| | Petrale sole..... | 17,534 | 183,796 |
| | Crab..... | 14,608 | 74,153 |
| | Albacore..... | 13,265 | 87,673 |
| | All other..... | 20,813 | 280,361 |
| | Totals..... | \$265,525 | 5,528,199 |
| San Simeon..... | Abalone..... | \$63,628 | 475,900 |
| | Totals..... | \$63,628 | 475,900 |
| All other ports..... | All other..... | \$3,466 | 17,431 |
| | Totals..... | \$3,466 | 17,431 |

TABLE 29

*Landings of the Commercial Fishing Boats and Shipments Into the Santa Barbara Region During 1955, Shown
by Port of Landing With the Corresponding Values*

TABLE 30

*Landings of the Commercial Fishing Boats and Shipments Into the Los Angeles Region During 1955,
Shown by Port of Landing With the Corresponding Values*

| | | Value | Pounds |
|--------------------------------|-------------------------------|--------------|-------------|
| Los Angeles region totals..... | | \$40,384,719 | 434,808,915 |
| Terminal Island..... | Yellowfin tuna..... | \$15,739,458 | 104,555,473 |
| | Skipjack..... | 10,091,102 | 75,776,776 |
| | Albacore..... | 7,595,661 | 45,625,372 |
| | Sardine..... | 2,174,209 | 96,203,945 |
| | Bluefin tuna..... | 1,681,331 | 11,772,790 |
| | Jack mackerel..... | 468,367 | 21,886,303 |
| | Pacific mackerel..... | 295,011 | 12,569,392 |
| | Anchovy..... | 48,807 | 3,813,747 |
| | Bigeye tuna..... | 43,849 | 397,541 |
| | Bonito..... | 5,671 | 94,480 |
| | All other..... | 6,275 | 32,928 |
| | Totals..... | \$38,155,831 | 373,119,574 |
| San Pedro..... | Barracuda..... | \$137,028 | 852,695 |
| | White seabass..... | 114,592 | 483,888 |
| | Spiny lobster..... | 100,045 | 196,514 |
| | Bluefin tuna..... | 89,395 | 624,270 |
| | Pacific mackerel..... | 53,650 | 2,306,533 |
| | Black sea bass..... | 51,034 | 343,896 |
| | Anchovy..... | 49,935 | 3,901,142 |
| | Grouper..... | 44,670 | 229,431 |
| | Rockfish..... | 36,801 | 363,422 |
| | Abalone..... | 36,693 | 484,504 |
| | Sardine..... | 36,660 | 1,622,129 |
| | Jack mackerel..... | 34,836 | 1,627,865 |
| | California halibut..... | 32,270 | 154,626 |
| | Yellowfin tuna..... | 29,990 | 195,245 |
| | Albacore..... | 16,345 | 98,704 |
| | Sculpin..... | 14,929 | 61,907 |
| | White croaker (kingfish)..... | 13,831 | 343,151 |
| | Cabrilla..... | 13,455 | 90,426 |
| | Swordfish..... | 10,968 | 25,207 |
| | Halfmoon..... | 8,403 | 34,382 |
| | Shark..... | 7,639 | 65,584 |
| | Yellowtail..... | 5,297 | 59,451 |
| | All other..... | 19,646 | 264,523 |
| | Totals..... | \$957,512 | 14,432,495 |
| Newport Beach..... | Pacific mackerel..... | \$129,197 | 5,017,275 |
| | Abalone..... | 81,677 | 1,108,687 |
| | Albacore..... | 41,625 | 251,358 |
| | Spiny lobster..... | 41,195 | 80,918 |
| | Anchovy..... | 38,760 | 3,028,811 |
| | Swordfish..... | 18,912 | 43,466 |
| | Sardine..... | 15,000 | 663,730 |
| | White seabass..... | 9,109 | 38,451 |
| | Jack mackerel..... | 8,773 | 409,937 |
| | All other..... | 16,564 | 98,319 |
| | Totals..... | \$400,821 | 11,340,952 |
| Long Beach..... | Anchovy..... | \$155,460 | 12,145,290 |
| | Sardine..... | 91,698 | 4,057,430 |
| | Spiny lobster..... | 59,138 | 116,181 |
| | Rockfish..... | 11,230 | 94,611 |
| | Pacific mackerel..... | 5,491 | 238,744 |
| | Jack mackerel..... | 5,156 | 240,940 |
| | All other..... | 14,936 | 99,594 |
| | Totals..... | \$343,109 | 16,992,770 |
| Los Angeles..... | Salmon..... | \$109,886 | 359,051 |
| | Sablefish..... | 39,740 | 230,731 |
| | Pismo clam..... | 35,211 | 1,578,976 |
| | Sturgeon..... | 6,928 | 21,665 |
| | All other..... | 26,889 | 114,783 |
| | Totals..... | \$217,654 | 2,302,856 |

TABLE 30

*Landings of the Commercial Fishing Boats and Shipments Into the Los Angeles Region During 1955, Shown by
Port of Landing With the Corresponding Values*

TABLE 30—Continued

*Landings of the Commercial Fishing Boats and Shipments Into the Los Angeles Region During 1955,
Shown by Port of Landing With the Corresponding Values*

| | | Value | Pounds |
|----------------------|-----------------------|-----------|----------------|
| Wilmington..... | Anchovy..... | \$122,932 | 9,681,431 |
| | Jack mackerel..... | 27,982 | 1,307,584 |
| | Pacific mackerel..... | 20,760 | 902,623 |
| | Sardine..... | 11,692 | 517,365 |
| | All other..... | 914 | 21,290 |
| Totals..... | | \$185,270 | 12,430,293 |
| Santa Monica..... | Sardine..... | \$42,354 | 1,874,085 |
| | Anchovy..... | 22,501 | 1,757,875 |
| | Spiny lobster..... | 18,578 | 36,492 |
| | Jack mackerel..... | 6,703 | 313,236 |
| | All other..... | 8,537 | 101,102 |
| Totals..... | | \$98,673 | 4,082,790 |
| Redondo Beach..... | Spiny lobster..... | \$6,167 | 12,113 |
| | All other..... | 2,801 | 30,561 |
| | Totals..... | | \$8,968 42,674 |
| Dana Point..... | Spiny lobster..... | \$8,098 | 15,906 |
| | All other..... | 35 | 239 |
| | Totals..... | | \$8,133 16,145 |
| All other ports..... | All other..... | \$8,748 | 48,366 |
| | Totals..... | | \$8,748 48,366 |

TABLE 30

*Landings of the Commercial Fishing Boats and Shipments Into the Los Angeles Region During 1955, Shown by
Port of Landing With the Corresponding Values*

TABLE 31
*Landings of the Commercial Fishing Boats and Shipments Into the San Diego Region During 1955,
 Shown by Port of Landing With the Corresponding Values*

| | | Value | Pounds |
|------------------------------|-------------|--------------|-------------|
| San Diego region totals..... | | \$16,321,933 | 111,148,593 |
| San Diego..... | | | |
| Yellowfin tuna..... | \$7,138,278 | 46,979,014 | |
| Skipjack..... | 5,653,311 | 42,304,843 | |
| Albacore..... | 3,023,813 | 18,264,393 | |
| Bluefin tuna..... | 132,897 | 923,536 | |
| Spiny lobster..... | 98,599 | 183,611 | |
| White seabass..... | 56,030 | 226,244 | |
| Abalone..... | 39,670 | 501,824 | |
| Barracuda..... | 36,394 | 284,633 | |
| California halibut..... | 28,036 | 139,695 | |
| Swordfish..... | 23,031 | 53,461 | |
| Shark..... | 16,597 | 160,429 | |
| Rockfish..... | 8,785 | 112,358 | |
| Pacific mackerel..... | 7,375 | 167,716 | |
| Jackknife clam..... | 6,668 | 18,585 | |
| Yellowtail..... | 6,156 | 82,303 | |
| Sculpin..... | 5,553 | 27,907 | |
| All other..... | 12,934 | 133,591 | |
| | Totals..... | \$16,294,127 | 111,044,143 |
| Encinitas..... | | | |
| White seabass..... | \$5,105 | 20,626 | |
| All other..... | 4,273 | 11,809 | |
| | Totals..... | \$9,378 | 32,435 |
| Oceanside..... | | | |
| White seabass..... | \$5,119 | 20,683 | |
| All other..... | 1,815 | 10,531 | |
| | Totals..... | \$6,934 | 31,214 |
| Mission Beach..... | | | |
| Jackknife clam..... | \$6,376 | 17,770 | |
| | Totals..... | \$6,376 | 17,770 |
| All other ports..... | | | |
| All other..... | \$5,118 | 23,031 | |
| | Totals..... | \$5,118 | 23,031 |

TABLE 31
*Landings of the Commercial Fishing Boats and Shipments Into the San Diego Region During 1955, Shown by
 Port of Landing With the Corresponding Values*

TABLE 32
Origin of Shipments of Fresh Fish Into California During 1956

| Shipped from | Shipped to | | | | | Total pounds |
|--|---------------|----------------------|----------------------|--------------------|------------------|--------------|
| | Eureka region | San Francisco region | Santa Barbara region | Los Angeles region | San Diego region | |
| Continental United States: | | | | | | |
| Carp..... | 1,535 | | | | | 1,535 |
| Eel..... | | 2,950 | | | | 2,950 |
| Sablefish..... | | 110,280 | | | | 110,280 |
| Shad..... | 3,317 | | | | | 3,317 |
| Sturgeon..... | | 3,069 | | | | 3,069 |
| Tuna, skipjack..... | | 70 | | | | 70 |
| Tuna, yellowfin..... | 2,362 | 52,473 | | | | 54,835 |
| Miscellaneous fish..... | 22,540 | 131,049 | | | | 153,589 |
| Oregon, Washington, Canada and Alaska: | | | | | | |
| Halibut, Pacific..... | 45,916 | 290 | | | | 46,206 |
| Sablefish..... | 293,440 | 199,692 | | | | 493,132 |
| Salmon..... | 6,438 | 64,738 | 117,090 | | | 188,866 |
| Shad..... | 33,259 | | | | | 33,259 |
| Sturgeon..... | | 20,532 | | | | 20,532 |
| Miscellaneous fish..... | | 36,568 | | | | 36,568 |
| South of the international boundary: | | | | | | |
| Seabass, white..... | | | | 9,487 | | 9,487 |
| Crustacean: | | | | | | |
| Shrimp, unclassified..... | | 5,103 | | | | 5,100 |
| Mollusk: | | | | | | |
| Clam, Pismo..... | | 83,840 | 1,190,472 | | | 1,274,312 |
| South America: | | | | | | |
| Tuna, albacore..... | | | 380,649 | | | 389,649 |
| Tuna, bigeye..... | | 2,500 | 10,709 | | | 13,209 |
| Tuna, bluefin..... | | | 162,875 | | | 162,875 |
| Tuna, skipjack..... | | 11,994,244 | 3,290,627 | | | 15,284,871 |
| Tuna, yellowfin..... | | 4,083,810 | 7,326,047 | | | 11,409,857 |
| Japan: | | | | | | |
| Sardine..... | 6,800 | | | | 6,800 | |
| Swordfish..... | 9,762 | | 310 | | | 10,072 |
| Tuna, albacore..... | 4,077,481 | 2,000 | 15,820,775 | 32,870 | | 19,933,126 |
| Tuna, bigeye..... | | | 654,873 | | | 654,873 |
| Tuna, skipjack..... | 492,344 | | 64,927 | | | 557,271 |
| Tuna, yellowfin..... | 9,313,573 | 3,190,944 | 30,635,204 | | | 43,139,821 |
| Total pounds..... | 6,438 | 14,367,167 | 3,284,384 | 65,681,911 | 10,659,031 | 93,998,931 |

Recapitulation

| | Pounds | | Pounds |
|-----------------------|---------|---------------------------|------------|
| Carp..... | 1,535 | Tuna, albacore..... | 20,322,775 |
| Eel..... | 2,950 | Tuna, bigeye..... | 668,082 |
| Halibut, Pacific..... | 46,206 | Tuna, bluefin..... | 162,875 |
| Sablefish..... | 603,412 | Tuna, skipjack..... | 15,842,212 |
| Salmon..... | 188,266 | Tuna, yellowfin..... | 54,604,513 |
| Sardine..... | 6,800 | Miscellaneous fish..... | 190,157 |
| Seabass, white..... | 9,487 | Crustacean: | |
| Shad..... | 36,576 | Shrimp, unclassified..... | 5,100 |
| Sturgeon..... | 23,601 | Mollusk: | |
| Swordfish..... | 10,072 | Clam, Pismo..... | 1,274,312 |
| | | Total pounds..... | 93,998,931 |

TABLE 32
Origin of Shipments of Fresh Fish Into California During 1956

TABLE 33
Origin of the Commercial Fish Landings and Shipments Into California During 1956

| Species | Fishing boat landings | | | | Shipments ¹ | Total pounds of fishing boat landings and shipments combined |
|---------------------------|-----------------------|-----------------------------|-------------------------------------|-----------------------------|------------------------|--|
| | California | North of the state boundary | South of the international boundary | Total fishing boat landings | | |
| Anchovy | 56,920,585 | | | 56,920,585 | | 56,920,585 |
| Barracuda, California | 50,153 | | 702,374 | 752,527 | | 752,527 |
| Bonito | 22,491 | | 105,123 | 127,614 | | 127,614 |
| Cabezon | 12,397 | | | 12,397 | | 12,397 |
| Cabrilla | | | 63,438 | 63,438 | | 63,438 |
| Carp | 855,576 | | | 855,576 | 1,535 | 857,111 |
| Corvina, shortfin | | | 430 | 430 | | 430 |
| Croaker, white (kingfish) | 889,850 | | | 889,850 | | 889,850 |
| Dolphinfish, common | 149 | | | 149 | | 149 |
| Eel | 430 | | | 430 | 2,950 | 3,380 |
| Flounder | 374,114 | 996 | | 375,110 | | 375,110 |
| Flyingfish | 50,724 | | | 50,724 | | 50,724 |
| Grouper | | | 211,594 | 211,594 | | 211,594 |
| Hake | 1,317,103 | 59,114 | | 1,376,217 | | 1,376,217 |
| Halfmoon | 15,108 | | | 15,108 | | 15,108 |
| Halibut, arrowtooth | 1,011,411 | 59,186 | | 1,070,597 | | 1,070,597 |
| Halibut, California | 382,006 | | 73,793 | 455,799 | | 455,799 |
| Halibut, Pacific | 39,007 | 11 | | 39,018 | 46,206 | 85,224 |
| Hardhead | 76,750 | | | 76,750 | | 76,750 |
| Herring, Pacific | 1,735,776 | | | 1,735,776 | | 1,735,776 |
| Lingcod | 909,006 | 22,255 | 50 | 931,311 | | 931,311 |
| Mackerel, jack | 75,762,110 | | | 75,762,110 | | 75,762,110 |
| Mackerel, Pacific | 50,012,780 | | 229 | 50,013,009 | | 50,013,009 |
| Needlefish, California | 525 | | | 525 | | 525 |
| Opaleye | 3,433 | | | 3,433 | | 3,433 |
| Perch | 187,681 | | | 187,681 | | 187,681 |
| Pompano, California | 76,679 | | | 76,679 | | 76,679 |
| Ratfish | 8,245 | | | 8,245 | | 8,245 |
| Rock bass | | | 3,432 | 3,432 | | 3,432 |
| Rockfish | 14,656,584 | 242,332 | 44,599 | 14,943,515 | | 14,943,515 |
| Sablefish | 2,809,315 | 59,092 | | 2,868,407 | 603,412 | 3,471,819 |
| Salmon | 11,401,372 | 13,115 | | 11,414,487 | 188,266 | 11,602,753 |
| Sanddab | 787,972 | 828 | | 788,800 | | 788,800 |
| Sardine | 69,554,345 | | | 69,554,345 | 6,800 | 69,561,145 |
| Seulpin | 100,232 | | | 100,232 | | 100,232 |
| Seulpin, staghorn | 1,565 | | | 1,565 | | 1,565 |
| Sea bass, black | 30,610 | | 201,708 | 331,318 | | 331,318 |
| Seabass, white | 413,956 | | 667,267 | 1,081,223 | 9,487 | 1,090,710 |
| SeatROUT, greenling | 1,187 | | | 1,187 | | 1,187 |
| Shad | 431,125 | | | 431,125 | 36,576 | 467,701 |
| Shark | 1,045,634 | | 39,680 | 1,085,314 | | 1,085,314 |
| Sheep-head | 4,965 | | 1,610 | 6,575 | | 6,575 |
| Sierra | | | 995 | 995 | | 995 |
| Skate | 175,546 | | 205 | 175,751 | | 175,751 |
| Smelt | 466,333 | | | 466,333 | | 466,333 |
| Sole, Dover | 7,241,572 | 1,023,852 | | 8,268,424 | | 8,268,424 |
| Sole, English | 3,769,360 | 55,502 | | 3,824,952 | | 3,824,952 |
| Sole, petrale | 2,536,234 | 293,824 | | 2,830,058 | | 2,830,058 |
| Sole, rex | 1,134,867 | 12,506 | | 1,147,373 | | 1,147,373 |
| Sole, sand | 77,062 | 250 | | 77,312 | | 77,312 |
| Sole, unclassified | 22,856 | | | 22,856 | | 22,856 |
| Splittail | 127 | | | 127 | | 127 |
| Sturgeon | | | | | 23,601 | 23,601 |
| Swordfish | 273,294 | | 1,880 | 275,174 | 10,072 | 285,246 |
| Tomeod | 1,153 | | | 1,153 | | 1,153 |
| Tuna, albacore | 15,874,652 | 115,985 | 21,064,574 | 37,055,211 | 20,322,775 | 57,377,986 |
| Tuna, bigeye | | | | | 668,082 | 668,082 |
| Tuna, bluefin | 2,612,046 | | 10,013,922 | 12,625,968 | 162,875 | 12,788,843 |
| Tuna, skipjack | 875 | | 120,152,347 | 120,153,222 | 15,842,212 | 135,995,434 |
| Tuna, yellowfin | 102 | | 149,280,874 | 149,280,976 | 54,604,513 | 203,885,489 |

TABLE 33
Origin of the Commercial Fish Landings and Shipments Into California During 1956

TABLE 33—Continued
Origin of the Commercial Fish Landings and Shipments Into California During 1956

| Species | Fishing boat landings | | | | Shipments ¹ | Total pounds of fishing boat landings and shipments combined |
|----------------------------|-----------------------|-----------------------------|-------------------------------------|-----------------------------|------------------------|--|
| | California | North of the state boundary | South of the international boundary | Total fishing boat landings | | |
| Turbot..... | 83,294 | | | 83,294 | | 83,294 |
| Wahoo..... | | 12,258 | 12,258 | 12,258 | | 12,258 |
| Whitebait..... | 148,820 | | | 148,820 | | 148,820 |
| Whitefish, ocean..... | 990 | | 830 | 1,820 | | 1,820 |
| Yellowtail..... | 18,598 | | 352,289 | 370,887 | | 370,887 |
| Miscellaneous fish..... | 2,000 | | 346 | 2,346 | 190,157 | 192,503 |
| Crustacean: | | | | | | |
| Crab, rock..... | 14,320,169 | 290 | | 14,320,459 | | 14,320,459 |
| Lobster, spiny..... | 735,869 | | 125 | 735,994 | | 735,994 |
| Prawn..... | 12,233 | | | 1,233 | | 1,233 |
| Shrimp, bay..... | 718,968 | | | 718,968 | | 718,968 |
| Shrimp, ocean..... | 1,168,179 | 340 | | 1,168,519 | 5,100 | 1,168,519 |
| Shrimp, unclassified..... | | | | | 5,100 | 5,100 |
| Mollusk: | | | | | | |
| Abalone..... | 4,284,063 | | | 4,284,063 | | 4,284,063 |
| Clam, gaper..... | 688 | | | 688 | | 688 |
| Clam, jackknife..... | 26,683 | | | 26,683 | | 26,683 |
| Clam, Pismo..... | | | | | 1,274,312 | 1,274,312 |
| Clam, Washington..... | 10,629 | | | 10,629 | | 10,629 |
| Octopus..... | 16,217 | | | 16,217 | | 16,217 |
| Oyster, eastern..... | 142,181 | | | 142,181 | | 142,181 |
| Oyster, giant Pacific..... | 6,101,220 | | | 6,101,220 | | 6,101,220 |
| Oyster, Kumamoto..... | 23,965 | | | 23,965 | | 23,965 |
| Oyster, native..... | 6,234 | | | 6,234 | | 6,234 |
| Squid..... | 19,483,984 | | | 19,483,984 | | 19,483,984 |
| Miscellaneous mollusk..... | 66 | | | 66 | | 66 |
| Total pounds..... | 373,504,251 | 1,950,568 | 303,085,972 | 678,549,791 | 93,998,931 | 772,548,722 |

¹ For origin of shipments refer to Table 32.

TABLE 33
Origin of the Commercial Fish Landings and Shipments Into California During 1956

THE MARINE FISH CATCH OF CALIFORNIA

TABLE 34
Monthly Landings and Shipments Into California During 1956

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|--------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|--------------|
| Fishing boat landings: | | | | | | | | | | | | | |
| Anchova | 3,461,340 | 5,585,200 | 9,288,452 | 9,114,893 | 3,337,915 | 2,929,954 | 4,086,655 | 5,779,630 | 2,453,225 | 2,432,085 | 4,763,206 | 3,575,000 | 56,320,585 |
| Barreduda, California | 35,787 | 17,274 | 63,941 | 7,802 | 31,966 | 11,588 | 49,301 | 43,561 | 70,288 | 121,745 | 33,430 | 75,527 | |
| Bouto | 21,473 | 6,942 | 1,004 | 120 | 1,886 | 77 | 284 | 4,834 | 34,791 | 40,682 | 14,832 | 12,614 | |
| Cabezon | 150 | 918 | 638 | 744 | 1,973 | 1,691 | 669 | 50 | 866 | 1,378 | 23,125 | 15,387 | |
| Cabrilla | 11,184 | 9,599 | 13,307 | 111 | 2,635 | 788 | 1,380 | 540 | 768 | 63,385 | | | |
| Carp | 115,260 | 91,277 | 132,976 | 117,391 | 34,998 | 30,471 | 34,756 | 19,671 | 71,507 | 62,220 | 69,022 | 55,576 | |
| Corvina, shortfin | 3,047 | 2,776 | 6,813 | 27,766 | 73,338 | 67,757 | 92,748 | 42,968 | 27,303 | 27,009 | 87,411 | 88,450 | |
| Craker, white (kingfish) | 17,308 | 30,506 | 75,103 | 64,813 | 277,666 | 150 | 90 | 149 | 100 | 100 | 149 | 149 | |
| Dolphin, common | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 430 | |
| Eel | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | |
| Flounder | 8,170 | 25,027 | 46,234 | 26,556 | 67,352 | 13,347 | 6,717 | 17,394 | 22,310 | 61,596 | 44,121 | 33,396 | 375,110 |
| Fluke | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 125 | 4,780 | 37,182 | 73,444 |
| Grouper | 31,948 | 10,766 | 47,980 | 9,408 | 21,071 | 20,245 | 4,035 | 1,325 | 1,325 | 143,144 | 114,144 | 21,594 | 1,371,217 |
| Hake | 7,950 | 25,101 | 46,373 | 99,954 | 145,021 | 180,654 | 133,657 | 181,711 | 139,521 | 138,404 | 143,144 | 114,144 | 3,500 |
| Halibut | 2,668 | 2,668 | 3,667 | 315 | 225 | 514 | 20 | 4,139 | 4,139 | 4,139 | 4,139 | 4,139 | 13,08 |
| Hallibut, arrowtooth | 4,069 | 17,731 | 11,713 | 51,517 | 88,578 | 117,116 | 118,111 | 191,700 | 141,934 | 122,393 | 120,297 | 84,409 | 1,070,507 |
| Hallibut, California | 28,818 | 45,315 | 60,723 | 36,109 | 36,024 | 144,849 | 48,210 | 27,851 | 16,437 | 27,161 | 32,021 | 45,799 | |
| Haddock | 7,380 | 13,459 | 5,076 | 5,076 | 36,146 | 2,338 | 4,499 | 889 | 50 | 50 | 35,021 | 35,018 | |
| Herring, Pacific | 77,805 | 733,874 | 122,760 | 93,796 | 226,419 | 134,639 | 165,078 | 75,080 | 49,200 | 463 | 347 | 66,335 | 76,750 |
| Lingcod | 23,414 | 16,345 | 45,759 | 56,814 | 100,288 | 100,817 | 150,047 | 98,734 | 81,064 | 80,244 | 76,519 | 98,166 | 181,311 |
| Mackerel, jack | 9,535,735 | 9,985,538 | 4,466,037 | 3,175,002 | 5,501,062 | 2,384,923 | 1,543,647 | 2,060,521 | 6,354,456 | 10,338,456 | 14,51,421 | 5,12,583 | 75,763,110 |
| Mackerel, Pacific | 4,654,569 | 1,280,471 | 631,734 | 388,578 | 1,705,129 | 1,157,740 | 6,098,539 | 5,771,031 | 2,81,252 | 9,57,739 | 8,288,215 | 50,01,509 | 50,01,509 |
| Needlefish, California | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 525 | 525 | 525 | 525 | |
| Opahs | 632 | 826 | 339 | 665 | 39 | 39 | 39 | 39 | 366 | 18 | 18 | 529 | 3,433 |
| Perch | 3,446 | 9,821 | 31,286 | 48,070 | 6 | 7,461 | 16,550 | 29,230 | 13,262 | 10,214 | 16,960 | 8,857 | 187,681 |
| Pompano, California | 1,435 | 1,166 | 3,157 | 1,653 | 2,090 | 2,354 | 7,461 | 5,883 | 12,869 | 10,211 | 11,885 | 12,600 | 6,963 |
| Rock bass | 1,435 | 1,166 | 3,157 | 1,653 | 2,090 | 2,354 | 7,461 | 5,883 | 12,869 | 10,211 | 11,885 | 12,600 | 6,963 |
| Roefish | 1,281 | 1,281 | 1,176 | 1,176 | 2,090 | 2,090 | 2,090 | 2,090 | 2,090 | 2,090 | 2,090 | 2,090 | 8,245 |
| Solefish | 1,082,443 | 1,205,034 | 1,350,043 | 1,31,695 | 1,401,851 | 934,646 | 1,270,558 | 1,174,488 | 1,280,850 | 1,151,516 | 1,151,516 | 1,151,516 | 1,151,516 |
| Salmon | 176,481 | 146,738 | 232,692 | 231,568 | 275,180 | 258,543 | 211,096 | 170,844 | 210,359 | 275,125 | 442,070 | 237,712 | 2,988,407 |
| Sardine | 64,439 | 112 | 362 | 15,027 | 2,450,014 | 15,027 | 2,450,014 | 1,963,613 | 3,341,435 | 2,068,279 | 1,963,613 | 28,632 | 51,655 |
| Schuppin | 4,013,807 | 165,250 | 165,630 | 88,717 | 58,404 | 72,289 | 58,177 | 69,426 | 88,021 | 59,708 | 65,898 | 53,914 | 8,468,889 |
| Sealip | 678 | 1,985 | 2,330 | 2,330 | 2,330 | 2,330 | 2,330 | 2,330 | 2,330 | 2,330 | 2,330 | 2,330 | 3,422,724 |
| | | | | | | | | | | | | | 100,232 |
| | | | | | | | | | | | | | 581 |

TABLE 34
Monthly Landings and Shipments Into California During 1956

DEPARTMENT OF FISH AND GAME

TABLE 34—Continued
Monthly Landings and Shipments Into California During 1956

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|---------------------|-----------|-----------|-----------|-----------|-----------|---------|----------|------------|------------|---------|----------|-----------|--------------|
| Southern sturgeon | 27,157 | 8,482 | 11,847 | 1,072 | 25,471 | 42,387 | 30,447 | 890 | 280 | 20,908 | 81,068 | 300 | 33,324 |
| Sea bass, black | 28,022 | 22,431 | 19,842 | 16,301 | 82,232 | 107,462 | 50,940 | 140,167 | 148,441 | 205,348 | 155,814 | 53,173 | 148,223 |
| Seabass, white | 70 | 78 | 45 | 74,333 | 350,206 | 6,586 | 95 | — | — | 352 | 403 | 144 | 43,1187 |
| Seatrout, greenling | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Shad | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Shark | 118,363 | 77,384 | 420,431 | 63,590 | 50,524 | 76,672 | 62,014 | 30,614 | 28,821 | 37,942 | 61,091 | 57,986 | 1,085,314 |
| Sheep-head | 168 | 334 | 288 | 115 | 181 | 200 | — | — | 794 | 1,397 | 1,677 | 1,411 | 6,375 |
| Sierra | 80 | 26,500 | 5,75 | — | — | — | — | — | — | — | — | — | 6,995 |
| Skate | 14,892 | 25,361 | 26,094 | 11,009 | 11,027 | 10,475 | 10,060 | 7,430 | 12,415 | 20,115 | 175,311 | — | — |
| Smelt | 4,814 | 12,147 | 24,929 | 43,065 | 88,144 | 10,187 | 68,662 | 47,401 | 26,437 | 14,549 | 2,065 | 406,433 | — |
| Sole, unclassified | 600 | 17 | — | — | — | — | — | — | — | — | — | — | — |
| Spitfish | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Swordfish | — | — | 538 | 45 | 65 | 436 | 203,517 | 11,186,341 | 10,115,668 | 26,915 | 100,368 | 26,224 | 516 |
| Tomcod | — | 365,722 | 22,849 | — | — | — | — | — | — | — | — | — | 47,153 |
| Tuna, albacore | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Tuna, bluefin | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Tuna, skipjack | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Tuna, yellowfin | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Turbot | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Wahoo | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Whitebait | 832 | 5,567 | 9,088 | 11,825 | 32,126 | 40,384 | 28,886 | 14,676 | 609 | 146 | 181 | 4,510 | 148,820 |
| Whiting, ocean | 19,650 | — | 8,735 | 1,240 | 261 | 1,299 | 1,06,927 | 18 | 220 | 6 | 16,125 | 1,75 | 1,820 |
| Yellowtail | — | — | — | 4,183 | 387 | 1,290 | 71,379 | 37,363 | 50,255 | 32,703 | 18 | 1,790 | 37,087 |
| Miscellaneous fish | — | — | 146 | 54 | 1215 | 738 | 49 | 2 | 20 | — | — | 12 | 2,346 |
| Crustacean: | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Crab rock | 2,002,003 | 2,206,943 | 2,031,683 | 1,645,860 | 1,485,890 | 317,905 | — | 5,301 | — | 7,432 | — | 1,719,331 | 14,320,459 |
| Lobster, spiny | 3,958 | 3,861 | 1,567 | 508 | 1,232 | 2,871 | 6,808 | — | — | 6,590 | 10,519 | 3,018,844 | 59,171 |
| Prawn | 119,233 | 120,948 | 47,329 | 221 | 243 | 37 | — | — | 184 | 217,434 | 74,632 | 135,357 | 735,994 |
| Shrimp, bay | — | — | 6,420 | 15,770 | 8,439 | 21,044 | 33,337 | 103,474 | 74 | 28 | 82 | 71,233 | 31,382 |
| Shrimp, ocean | 3,610 | — | — | — | — | — | — | — | — | — | — | — | 718,998 |
| | — | — | — | — | — | — | — | — | — | — | — | — | 1,168,519 |

TABLE 34
Monthly Landings and Shipments Into California During 1956

THE MARINE FISH CATCH OF CALIFORNIA

| Mollusk: | Total pounds. | Shipments: | Total pounds. |
|---|--------------------|------------|--------------------|
| Absalone..... | 282,388 | 196,486 | 47,4985 |
| Clam, gaper..... | 140 | 220 | 57,737 |
| Clam, jackknife..... | 406 | 1,936 | 2,300 |
| Clam, Washington..... | 235 | 2,716 | 6,193 |
| Otopus..... | 1,908 | 1,582 | 2,542 |
| Oyster, eastern..... | 12,870 | 12,115 | 13,714 |
| Oyster, giant Pacific..... | 231,956 | 190,726 | 325,08 |
| Oyster, gammaront..... | 461 | 445 | 530 |
| Oyster, native..... | 44,305 | 5,305 | 75,020 |
| Squid..... | 44,395 | 12 | 5 |
| Miscellaneous mollusk..... | 52,948,881 | 44,386,612 | 47,122,401 |
| Total pounds. | 52,948,881 | 44,386,612 | 47,122,401 |
| Crab: | | | |
| Ed. | | | |
| Habitat, Pacific..... | | | |
| Saddled..... | 87,078 | 11,281 | 68,325 |
| Salmon..... | 2,162 | 15,000 | 42,106 |
| Sardine..... | | | |
| Sardines, white..... | | | |
| Shad..... | | | |
| Sturgeon..... | | | |
| Swordfish..... | | | |
| Tuna, albacore..... | 78 | 2,406 | 3,507 |
| Tuna, bigeye..... | 504 | 5,256 | 138 |
| Tuna, bluefin..... | 4,006,474 | 3,006,250 | 2,176,758 |
| Tuna, skipjack..... | | | |
| Tuna, yellowfin, etc..... | 2,492,461 | 1,269,721 | 1,62,875 |
| Tuna, yellowtail..... | 5,712,143 | 3,943,288 | 5,448,170 |
| Miscellaneous fish, etc..... | 3,000 | 11,060 | 72,808 |
| Crustacean: | | | |
| Shrimp, unclassified..... | | | |
| Mollusk: | | | |
| Clam, Pismo..... | | | |
| Total pounds. | 12,807,890 | 8,292,963 | 10,219,454 |
| Grand total fishing boat landings and shipments. | 65,656,771 | 52,673,905 | 56,730,091 |

¹ See Table 32 for origin of shipments.

TABLE 35
Monthly Landings and Shipments of Commercial Fish Into the Eureka Region During 1956

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds | |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|----------|
| Fishing boat landings from California waters: | | | | | | | | | | | | | | |
| Flounder..... | 746 | 4,581 | 5,205 | 19,547 | 14,615 | 1,080 | 1,097 | 6,035 | 8,151 | 19,442 | 17,583 | 5,151 | 103,233 | |
| Hake..... | 5,750 | 2,351 | 17,108 | 43,445 | 100,327 | 115,835 | 75,562 | 161,326 | 138,403 | 114,711 | 128,155 | 104,327 | 1,093,560 | |
| Haddock, arrowtooth..... | 3,169 | 17,311 | 10,259 | 49,872 | 74,195 | 102,635 | 106,140 | 181,149 | 140,494 | 109,350 | 109,451 | 73,284 | 983,390 | |
| Halibut, California..... | | | | | | | | | | | | | 39,007 | |
| Halibut, Pacific..... | | | | | | | | | | | | | 17,175 | |
| Herring, Pacific..... | 68,968 | | 20 | 5,076 | 26,146 | 2,338 | 4,488 | 889 | 50 | | | | 68,885 | |
| Lingcod..... | 612 | 2,789 | 6,511 | 17,055 | 34,829 | 67 | 60,546 | 53,807 | 36,517 | 22,082 | 30,881 | 53,312 | 350,672 | |
| Perch..... | 25,312 | 210,133 | 257,961 | 11,896 | 368,170 | 172,644 | 7,796 | 9,298 | 4,766 | 5,837 | 3,803 | 72,221 | 2,876,497 | |
| Rockfish..... | 25,318 | 17,395 | 21,112 | 48,472 | 77,908 | 82,960 | 71,122 | 71,316 | 256,477 | 280,477 | 245,997 | 182,268 | 125,789 | 1,09,779 |
| Sablefish..... | 4,731 | | | | | | | | 104,550 | 160,050 | 267,334 | 267,334 | | |
| Salmon..... | 323 | 3,170 | 11,959 | 11,689 | 7,784 | 7,962 | 6,402 | 1,466,779 | 2,421,607 | 1,466,779 | 2,421,607 | 2,421,607 | 6,298,493 | |
| Sanddab..... | | | | | | | | | | | | | 97,334 | |
| Shark..... | | | | | | | | | | | | | 14,004 | |
| Smelt..... | | | 160 | 6,650 | 3,146 | 23,632 | 36,458 | 27,215 | 6,653 | 1,306 | 1,306 | 55 | 70 | |
| Sole, Dover..... | 5,718 | 5,131 | 4,687 | 122,155 | 141,561 | 167,186 | 184,186 | 722,323 | 759,404 | 1,128,308 | 871,135 | 723,426 | 819,406 | |
| Sole, English..... | 12,857 | 81,164 | 122,588 | 67,931 | 50,316 | 93,420 | 76,931 | 108,927 | 133,447 | 108,886 | 128,151 | 128,151 | 1,295,503 | |
| Sole, petrale..... | 51,359 | 62,171 | 67,392 | 35,341 | 43,054 | 30,064 | 89,833 | 71,388 | 72,339 | 62,174 | 118,670 | 185,621 | 989,823 | |
| Sole, rock..... | 6,112 | 7,392 | 23,784 | 4,684 | 935 | 30,064 | 39,039 | 62,351 | 52,968 | 48,177 | 62,070 | 45,679 | 496,276 | |
| Sole, sand..... | 15 | 206 | 329 | | 90 | | 265 | 2,419 | 3,080 | 885 | 1,075 | 14,115 | | |
| Sole, unclassified..... | 30 | 220 | | | | | 155 | 4,295 | 4,900 | 330 | 10,120 | 501,063 | | |
| Tuna, albacore..... | | | | | | | 43,019 | 285,556 | 170,574 | 160 | 160 | 160 | 7,806 | |
| Turbot..... | 193 | 301 | 43 | 508 | 121 | 70 | 23,233 | 288 | 288 | 10,841 | 4,517 | 1,359 | 88,177 | |
| Whitebait..... | 11 | 2,677 | 4,764 | 6,297 | 17,318 | 23,239 | 11 | 10,841 | 29 | | | | 11 | |
| Miscellaneous fish..... | | | | | | | | | | | | | | |
| Crustacean: | | | | | | | | | | | | | | |
| Crab..... | 1,295,701 | 1,796,424 | 1,901,183 | 1,558,196 | 1,115,089 | 317,905 | 108,575 | 169,180 | 177,310 | 309,744 | 100,487 | | 40 | |
| Shrimp, ocean..... | | | | | | | | | | | | | 4,146 | |
| Mollusk: | | | | | | | | | | | | | | |
| Chin, Washington..... | 235 | | 325 | 2,716 | 6,193 | 26 | | | 241 | 326 | 189 | 378 | 10,629 | |
| Otter, Oregon..... | 64 | | 128 | 210 | 209 | 262 | 23,150 | 23,150 | 153 | 88 | 180 | 1,228,750 | 1,174 | |
| Oyster, Giant Pacific..... | | | 144,000 | 255,550 | 241,800 | 42,450 | | | 248,500 | 755,000 | 1,402,000 | 4,381,050 | 23,965 | |
| Oyster, Kumamoto..... | | | | | | | | | 1,880 | 5,750 | 7,988 | 8,128 | | |
| Total pounds..... | 1,477,389 | 2,255,633 | 2,612,492 | 2,783,438 | 4,080,986 | 3,083,796 | 4,342,646 | 3,984,264 | 2,780,929 | 2,642,127 | 3,363,695 | 2,429,491 | 35,816,766 | |

TABLE 35
Monthly Landings and Shipments of Commercial Fish Into the Eureka Region During 1956

THE MARINE FISH CATCH OF CALIFORNIA

¹ See Table 32 for origin of shipments.

TABLE 35—*Cont'd.*

TABLE 36
Monthly Landings of the Commercial Fishing Boats in the Sacramento Region During 1956

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|---|---------|----------|---------|---------|---------|--------|---------|---------|-----------|---------|----------|----------|--------------|
| | | | | | | | | | | | | | |
| Fishing boat landings from California waters: | | | | | | | | | | | | | |
| Carp..... | 115,980 | 91,777 | 132,976 | 117,691 | 34,968 | 30,171 | 34,117 | 19,471 | 71,507 | 75,597 | 62,220 | 68,922 | 855,907 |
| Hardhead..... | 7,380 | 13,359 | 12,940 | 14,210 | 1,065 | 1,338 | 449 | 14,227 | 11,073 | 76,750 | 6,794 | 5,139 | 76,585 |
| Salmon..... | 112 | 335 | 15,311 | 74,333 | 20,035 | 6,730 | 148,986 | 873,454 | 28,632 | 51,634 | 431,125 | 431,125 | 431,125 |
| Saltwater..... | 17 | ----- | 350,296 | 6,586 | ----- | ----- | 110 | ----- | ----- | ----- | 110 | ----- | 110 |
| Miscellaneous fish..... | 110 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Total pounds, Sacramento region..... | 122,732 | 105,196 | 145,916 | 211,735 | 407,404 | 37,765 | 35,166 | 168,601 | 949,239 | 89,824 | 10,925 | 127,051 | 2,502,794 |

TABLE 36
Monthly Landings of the Commercial Fishing Boats in the Sacramento Region During 1956

TABLE 37
Monthly Landings and Shipments of Commercial Fish Into the San Francisco Region During 1956

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|--|---------|----------|---------|---------|---------|---------|-----------|---------|-----------|---------|----------|-----------|-----------|
| | | | | | | | | | | | | | pounds |
| Fishing boat landings from California waters: | | | | | | | | | | | | | |
| Anchoa | 22,326 | 21,050 | 300 | 100 | 5,750 | 30,225 | 16,100 | 122,950 | 15,280 | ----- | ----- | ----- | 387,981 |
| Cabazon | ----- | ----- | 75 | ----- | ----- | 157 | 4,134 | 70 | 440 | 474 | 336 | 570 | 479 |
| Carp | ----- | ----- | 300 | 50,181 | 9,480 | 2,362 | 3,000 | 1,381 | 9,544 | 41,623 | 22,062 | 16,929 | 9,637 |
| Cracker, white (kingfish) | ----- | ----- | 5,790 | 5,966 | 5,790 | 2,844 | 4,681 | 1,500 | 5,319 | 1,440 | 363 | 883 | 725 |
| Flounder | ----- | 19,410 | 19,410 | 420 | 1,454 | 1,665 | 329 | 377 | 1,897 | 141 | 198 | 2,160 | 1,883 |
| Hake | ----- | ----- | 1,288 | 706 | 655 | 5,790 | 7,083 | 7,083 | 5,319 | 1,440 | 363 | 883 | 725 |
| Halibut, arrowtooth | 900 | ----- | 122,634 | 122,735 | 3,278 | 32,092 | 50,364 | 71,809 | 16,733 | 30,025 | 32,856 | 11,375 | 27,777 |
| Haddock, California | 4,396 | ----- | 21,167 | 8,855 | 13,692 | 5,790 | 5,790 | 5,790 | 5,319 | 1,440 | 363 | 883 | 725 |
| Herring | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 60,325 | 925,121 |
| Lingcod | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 13,820 | 317,065 |
| Mackerel, jack | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 3,299 |
| Parch | 1,613 | 228,904 | 283,848 | 312,257 | 173,537 | 17,607 | 32,285 | 46,767 | 334 | 774 | 536 | 2,200 | 1,703 |
| Rockfish | 89,645 | 55,873 | 90,896 | 95,470 | 122,361 | 71,536 | 27,644 | 96,770 | 10,247 | 330,975 | 485,975 | 42,723 | 44,497 |
| Sablefish | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 55,626 | 33,913 | 326,185 | 942,336 |
| Salmon | ----- | ----- | ----- | ----- | 682,436 | 736,139 | 1,062,802 | 35,184 | 114,375 | ----- | 81,490 | 61,832 | 37,910 |
| Sanddab | ----- | 57,832 | 53,480 | 49,232 | 32,480 | 41,430 | 22,561 | 22,565 | 31,392 | 24,069 | 37,792 | 42,029 | 40,235 |
| Seafish, staghorn | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 280 | 285 | 690 | 300 |
| Seakiss, white | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 116 | 31 | 116 | 1,665 |
| Shark | ----- | 3,690 | 8,568 | 9,035 | 8,501 | 80 | 217 | 2,994 | 99 | 3,166 | 7,268 | 2,008 | 43,282 |
| Skate | 7,785 | 10,390 | 13,840 | 12,400 | 7,106 | 3,970 | 4,530 | 5,380 | 7,520 | 9,615 | 5,375 | 10,230 | 96,940 |
| Smelt | 600 | 4,145 | 24,630 | 15,207 | 10,675 | 32,251 | 17,548 | 21,939 | 17,432 | 7,134 | 1,660 | 62 | 147,492 |
| Sole, Dover | 206,264 | 192,136 | 192,443 | 251,008 | 103,822 | 46,571 | 20,874 | 61,501 | 62,734 | 61,038 | 50,776 | 8,385 | 14,456 |
| Sole, English | 181,378 | 120,768 | 121,514 | 217,016 | 146,969 | 86,213 | 72,699 | 87,062 | 173,649 | 171,892 | 161,013 | 184,256 | 1,730,489 |
| Sole, petraleo | 93,756 | 42,372 | 77,105 | 54,711 | 70,698 | 91,532 | 86,767 | 97,924 | 69,302 | 51,286 | 52,731 | 92,529 | 883,773 |
| Sole, rex | 98,410 | 82,238 | 55,948 | 32,694 | 38,528 | 12,729 | 9,838 | 18,080 | 21,889 | 29,388 | 51,582 | 46,780 | 505,104 |
| Sole, sand - unclassified | 3,180 | 6,297 | 7,509 | 8,535 | 7,463 | 1,841 | 2,493 | 2,038 | 14,947 | 6,230 | 1,895 | 419 | 62,847 |
| Tomcod | 405 | 750 | 45 | 60 | 65 | 438 | ----- | ----- | 299 | 120 | ----- | ----- | 1,043 |
| Tuna, albacore | ----- | 538 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| Turbot | 6,462 | 6,223 | 5,671 | 2,450 | 1,653 | 2,616 | 1,488 | 973,445 | 1,730,782 | 482,771 | 55,838 | 3,260 | 3,213,539 |
| Whiting | 811 | 2,590 | 4,046 | 5,439 | 14,506 | 16,761 | 13,525 | 1,909 | 9,911 | 6,372 | 9,334 | 61,628 | 11,111 |
| Miscellaneous fish | ----- | ----- | ----- | 22 | 22 | ----- | ----- | ----- | ----- | ----- | ----- | 181 | 4,510 |
| Crustacean: | ----- | 72,716 | 451,436 | 94,193 | 32,591 | 47,217 | ----- | ----- | 103,474 | 217,434 | 74,632 | 1,684,660 | 5,974,661 |
| Crab | 3,610 | 6,420 | 15,70 | 8,439 | 21,044 | 33,337 | 55,493 | 55,493 | 137,916 | 22,025 | 31,362 | 718,968 | 272,583 |
| Shrimp, bay | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Shrimp, ocean | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |

TABLE 37
Monthly Landings and Shipments of Commercial Fish Into the San Francisco Region During 1956

TABLE 37—Continued
Monthly Landings and Shipments of Commercial Fish Into the San Francisco Region During 1956

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds | |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------------------|---------|
| | | | | | | | | | | | | | DEPARTMENT OF FISH AND GAME | |
| Mollusk: | | | | | | | | | | | | | | |
| Abalone: | | | | | | | | | | | | | | |
| Octopus: | 680 | 418 | 950 | 2,090 | 2,575 | 1,725 | 3,050 | 1,925 | 1,750 | 1,500 | 1,375 | 1,025 | 17,965 | |
| Oyster, eastern: | 12,870 | 12,115 | 13,714 | 10,557 | 430 | 425 | 11,087 | 8,459 | 100 | 534 | 148 | 538 | 5,249 | |
| Oyster, giant Pacific: | 12,906 | 18,250 | 21,943 | 22,909 | 17,693 | 16,537 | 17,693 | 16,749 | 13,715 | 11,100 | 15,056 | 13,354 | 142,181 | |
| Oyster, native: | 461 | 445 | 1,313 | 1,370 | 1,500 | 720 | 294 | 69 | 25 | 50,672 | 50,672 | 57 | 32,108 | 325,145 |
| Total pounds: | 1,785,635 | 1,995,703 | 1,817,291 | 1,043,863 | 1,656,946 | 1,352,331 | 1,834,391 | 2,254,286 | 3,020,062 | 1,680,171 | 2,763,455 | 3,871,688 | 24,573,740 | |
| Fishing boat landings from waters north of the state boundary | | | | | | | | | | | | | | |
| Tuna, albacore: | | | | | | | | | | | | | | |
| Total pounds: | | | | | | | | | | | | | | |
| Fishing boat landings from waters south of the international boundary: | | | | | | | | | | | | | | |
| Tuna, skipjack: | | | | | | | | | | | | | | |
| Tuna, yellowfin: | | | | | | | | | | | | | | |
| Total pounds: | | | | | | | | | | | | | | |
| Shipments ¹ : | | | | | | | | | | | | | | |
| Carp: | | | | | | | | | | | | | | |
| Halibut, Pacific: | | | | | | | | | | | | | | |
| Sablefish: | | | | | | | | | | | | | | |
| Salmon: | | | | | | | | | | | | | | |
| Sardine: | | | | | | | | | | | | | | |
| Shad: | | | | | | | | | | | | | | |
| Swordfish: | | | | | | | | | | | | | | |
| Tuna, albacore: | | | | | | | | | | | | | | |
| Tuna, skipjack: | | | | | | | | | | | | | | |
| Tuna, yellowfin: | | | | | | | | | | | | | | |
| Miscellaneous fish: | | | | | | | | | | | | | | |
| Total pounds: | | | | | | | | | | | | | | |
| Grand totals, San Francisco region: | 3,446,403 | 3,239,366 | 3,291,323 | 2,682,600 | 3,096,769 | 2,261,619 | 3,293,881 | 2,869,322 | 3,501,116 | 2,632,584 | 4,049,614 | 4,787,538 | 39,158,735 | |

¹ See Table 32 for origin of shipments.

TABLE 37
Monthly Landings and Shipments of Commercial Fish Into the San Francisco Region During 1956

TABLE 38
Monthly Landings of the Commercial Fishing Boats in the Monterey Region During 1956

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|---|---------|-----------|-----------|-----------|---------|---------|---------|---------|-----------|---------|----------|----------|--------------|
| Fishing boat landings from California waters: | | | | | | | | | | | | | |
| Aubury | 1,600 | 2,515,212 | 3,985,667 | 1,217,886 | 105,000 | 4,850 | 704,750 | 373,425 | 200,750 | 589,200 | 1,378 | 1,384 | 9,658,359 |
| Cabazon | 50 | 6,273 | 6,133 | 639 | 863 | 400 | 1,380 | 521 | 777 | 7,032 | 452 | 452 | 9,762 |
| Creaker, white (kingfish) | 2,463 | 5,606 | 7,380 | 12,835 | 21,324 | 41,176 | 29,071 | 74,770 | 30,566 | 11,496 | 244,421 | 244,421 | 450 |
| Elf | | | | | | | | | | | | | 45,638 |
| Flounder | 2,372 | 1,036 | 1,841 | 4,015 | 2,180 | 2,597 | 2,620 | 9,039 | 4,610 | 531 | 4,446 | 11,181 | |
| Hake | 2,200 | 3,750 | 29,265 | 56,500 | 35,704 | 49,945 | 51,200 | 13,550 | 16,400 | 14,500 | 6,030 | 4,200 | 283,253 |
| Hallibut, arrowtooth | | | | | | | | | | | 235 | | |
| Hallibut, California | | | | | | | | | | | 1,416 | | |
| Herring | | | | | | | | | | | 330 | | |
| Lingcod | 6,439 | 1,838 | 11,295 | 256 | 344 | 266,419 | 2280 | 3,658 | 1,646 | 119 | 100 | 100 | 14,615 |
| Mackerel, jack | | | | | | | | | | | 4,724 | 10,287 | 73,498 |
| Mackerel, Pacific | | | | | | | | | | | 21,493 | 20,296 | 144,946 |
| Needlefish, California | | | | | | | | | | | | | |
| Perci | | | | | | | | | | | | | |
| Pompano, California | 270 | 180 | 1,520 | 11,580 | 6 | 6 | 3,448 | 3,840 | 145 | 525 | 525 | 525 | 325 |
| Ratfish | | | | | | | | | | | 7,139 | 7,139 | |
| Rockfish | 1,175 | 36 | 3,400 | 2,000 | 708 | 1,323 | 585 | 4,392 | 11,582 | 6,451 | 3,607 | 3,607 | 29,311 |
| Rockfish | 468,055 | 200 | 487,841 | 510,534 | 637,528 | 70 | 70 | 500,788 | 701,188 | 1,400 | | | |
| Sablefish | 84,428 | 65,432 | 110,060 | 70,583 | 62,157 | 94,363 | 106,208 | 54,945 | 38,907 | 327,102 | 273,378 | 273,378 | 5,616,156 |
| Salmon | | | | | | | | | | | 97,350 | 97,350 | 91,214 |
| Sanddab | 3,039 | 4,670 | 20,866 | 12,549 | 510,517 | 113,446 | 30,116 | 72,843 | 26,047 | 36,257 | 67,394 | 67,394 | 73,969 |
| Sardine | | | | | | | | | | | 22,828 | 22,828 | 202,541 |
| Seabass, white | | | | | | | | | | | | | |
| Seabass, wild | | | | | | | | | | | | | |
| Sealord, greenling | | | | | | | | | | | | | |
| Shark | | | | | | | | | | | | | |
| Shark | | | | | | | | | | | | | |
| Shark, State | 108,690 | 9,560 | 360,885 | 29,138 | 1,113 | 2,996 | 19,059 | 718 | 5,812 | 3,681 | 3,275 | 3,275 | 27,556 |
| Sole, Dover | 5,120 | 6,773 | 13,560 | 8,1446 | 234 | 1,124 | 2,560 | 402 | 116 | 6,550 | 6,550 | 6,550 | 52,411 |
| Sole, Snell | | | | | | | | | | | | | 9,385 |
| Sole, Dover | 250 | 5,713 | 1,290 | 4,455 | 29,649 | 41,343 | 25,013 | 11,75 | 22,389 | 15,384 | 9,002 | 1,863 | 168,246 |
| Sole, English | 30,115 | 445 | 40,220 | 52,778 | 59,069 | 40,784 | 41,486 | 73,420 | 80 | 1,165 | 1,110 | 1,110 | 13,890 |
| Sole, petrale | 8,052 | 16,804 | 17,769 | 22,456 | 13,933 | 10,609 | 6,522 | 25,572 | 23,757 | 11,364 | 42,032 | 42,032 | 58,722 |
| Sole, rex | 22,031 | 9,781 | 9,246 | 5,284 | 6,133 | 7,857 | 6,625 | 4,731 | 6,405 | 6,969 | 14,145 | 14,145 | 18,241 |
| Sole, sand | | | | | | | | | | | | | 105,357 |
| Sole, blossomed | | | | | | | | | | | | | |
| Tuna, albacore | | | | | | | | | | | | | |
| Tuna, yellowfin | | | | | | | | | | | | | |
| Turbot | | | | | | | | | | | | | |

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TABLE 38
Monthly Landings of the Commercial Fishing Boats in the Monterey Region During 1956

DEPARTMENT OF FISH AND GAME

TABLE 38.—Continued
Monthly Landings of the Commercial Fishing Boats in the Monterey Region During 1956

| Species | Total pounds | | | | | | | | | | | |
|--|--------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| | January | February | March | April | May | June | July | August | September | October | November | December |
| Whitebait..... | 400 | 278 | 29 | 302 | 324 | 2,320 | 2,424 | 580 | 146 | | | 7,303 |
| Crustacean:..... | 906 | 4,600 | 4,157 | 521 | 521 | | | | 8,328 | 12,193 | 31,205 | 1,233 |
| Crab..... | 221 | 235 | 243 | 53 | 53 | | | 74 | 32 | 77 | 1,233 | 1,233 |
| Prawn..... | | | | | | 184 | 184 | | 82 | | | |
| Mollusk:..... | 140 | 220 | 160 | 60 | 20 | | | 74 | 32 | | | |
| Clam, razor..... | 140 | 220 | 160 | 60 | 20 | | | 74 | 32 | | | |
| Ostrea..... | 713 | 1,299 | 463 | 306 | 164 | 101 | 101 | 20 | 48 | 20 | 688 | 688 |
| Squid..... | 713 | 518 | 1,299 | 258,115 | 3,882,551 | 4,333,170 | 2,113,125 | 1,229,190 | 314,960 | 2,607,865 | 2,297,630 | 18,544,241 |
| Miscellaneous mollusk..... | 1,990 | 5 | 5 | | | | | | | | 17 | 17 |
| Total pounds..... | 564,118 | 564,118 | 3,620,831 | 5,105,732 | 6,747,731 | 5,516,977 | 3,421,477 | 5,704,308 | 6,418,813 | 1,635,610 | 3,766,491 | 2,892,158 |
| Fishing boat landings from south of the international boundary:..... | | | | | | 19,860 | 19,860 | | | | | 46,168,260 |
| Tuna, bluefin..... | | | | | | 270,446 | 270,446 | 2,123 | | | | 19,869 |
| Tuna, skipjack..... | | | | | | 90,063 | 90,063 | | | | | 2,169 |
| Tuna, yellowfin..... | | | | | | | | | | | | 300,051 |
| Total pounds..... | 564,118 | 564,118 | 3,620,831 | 5,105,732 | 6,747,731 | 5,516,977 | 3,421,477 | 5,704,308 | 6,418,813 | 1,635,610 | 3,766,491 | 2,892,158 |
| Grand totals, Monterey region..... | 754,014 | 754,014 | 3,620,831 | 5,105,732 | 6,747,731 | 5,516,977 | 3,421,477 | 5,704,308 | 6,418,813 | 1,635,610 | 3,766,491 | 2,892,158 |
| Grand totals, Monterey region..... | 754,014 | 754,014 | 3,620,831 | 5,105,732 | 6,747,731 | 5,516,977 | 3,421,477 | 5,704,308 | 6,418,813 | 1,635,610 | 3,766,491 | 2,892,158 |

TABLE 38
Monthly Landings of the Commercial Fishing Boats in the Monterey Region During 1956

TABLE 39
Monthly Landings and Shipments of Commercial Fish Into the Santa Barbara Region During 1956

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|---|-----------|----------|---------|---------|---------|---------|--------|---------|-----------|-----------|-----------|------------|--------------|
| Fishing boat landings from California waters: | | | | | | | | | | | | | |
| Anchovy | 12,160 | 27,000 | 19,460 | 39,680 | 98,120 | 25,300 | 87,280 | 138,940 | 108,510 | 800 | 200 | 557,450 | 557,450 |
| Capeon | 645 | 125 | 205 | 738 | 151 | 549 | 358 | 70 | 1,863 | 160 | 79 | 14,157 | 14,157 |
| Creaker, white (kingfish) | 2,493 | 1,746 | 3,645 | 3,381 | 151 | 190 | 87 | 87 | 5 | 5 | 65 | 55 | 55 |
| Flounder | 37 | 28 | 8 | 17,510 | 16,698 | 10,907 | 16,681 | 13,657 | 11,033 | 5,587 | 5,587 | 1,202 | 1,202 |
| Haddock, California | 7,114 | 10,689 | 14,240 | 17,510 | 16,698 | 10,907 | 16,681 | 13,657 | 11,033 | 5,587 | 5,587 | 143,505 | 143,505 |
| Herring, Pacific | 550 | 2,134 | 5,522 | 12,823 | 10,604 | 5,565 | 4,563 | 4,557 | 11,296 | 12,727 | 11,786 | 4,634 | 4,634 |
| Lingcod, jack | 3,716 | 2,134 | 5,522 | 12,823 | 10,604 | 5,565 | 4,563 | 4,557 | 11,296 | 12,727 | 11,786 | 55,315 | 55,315 |
| Mackerel, jack | 1,511,280 | 519,360 | 863,220 | 581,000 | 42,100 | 26,702 | 40,575 | 182,056 | 223,236 | 4,841,171 | 2,168,992 | 14,056,984 | 14,056,984 |
| Mackerel, Pacific | 1,321 | 2,757 | 4,728 | 7,077 | 5,760 | 9,000 | 42,000 | 213,350 | 188,000 | 4,633,705 | 4,713,868 | 2,099,070 | 2,099,070 |
| Percob | | | | | | | | | | | | | |
| Pompano, California | 320,311 | 194,141 | 249,062 | 282,568 | 196,800 | 188,792 | 61,122 | 147,811 | 70 | 140 | 295,005 | 316,119 | 2,576,483 |
| Rockfish | 877 | 5,063 | 6,132 | 12,184 | 7,329 | 5,603 | 1,036 | 1,785 | 800 | 185 | 2,255 | 4,252 | 4,252 |
| Sablefish | | | | | | | | | | | | | |
| Salmon | | | | | | | | | | | | | |
| Sanddak | 1,586 | 2,667 | 782 | 157 | 1,245 | 672 | 285 | 611 | 111 | 111 | 111 | 470 | 470 |
| Sardine | | | | | | | | | | | | | |
| Sea bass, black | 12,000 | | | | | | | | | | | | |
| Seabass, white | 388 | 694 | 227 | 20 | 87 | 7,918 | 9,196 | 10,853 | 5,572 | 1,072 | 4,176 | 557 | 557 |
| Seabream, greenfinch | 1,489 | 43,970 | 34,649 | 42,712 | 48,110 | 25,336 | 20,490 | 6,625 | 1,352 | 1,352 | 1,403 | 1,022 | 1,022 |
| Shark | | | | | | | | | | | | | |
| Sheephead | 88 | 116 | 645 | 138 | 34 | 361 | 210 | 210 | 120 | 120 | 120 | 920 | 920 |
| Skate | 1,147 | 1,874 | 645 | 120 | 452 | 1,012 | 2,512 | 2,708 | 120 | 120 | 120 | 1,192 | 1,192 |
| Sole, Dover | 3,874 | 1,075 | 175 | 12,317 | 10,188 | 12,317 | 8,171 | 8,754 | 19,582 | 15,020 | 15,020 | 9,985 | 9,985 |
| Sole, English | 11,716 | 10,678 | 24,301 | 10,494 | 10,188 | 12,317 | 8,171 | 8,754 | 19,582 | 15,020 | 15,020 | 13,836 | 13,836 |
| Sole, petrale | 29,618 | 25,115 | 24,041 | 27,064 | 44,278 | 30,676 | 14,421 | 16,803 | 42,600 | 18,655 | 111,731 | 405,180 | 405,180 |
| Sole, unclassified | 9,178 | 11,312 | 10,387 | 6,078 | 2,166 | 802 | 2,071 | 4,035 | 6,185 | 8,586 | 6,101 | 68,130 | 68,130 |
| Swordfish | 92 | 92 | 285 | 33 | 112 | 384 | 563 | 19 | 106 | 154 | 74 | 27 | 27 |
| Tuna, albacore | | | | | | | | | | | | | |
| Turbot | 648 | 2,089 | 2,076 | 75 | 1,431 | 2,797 | 684 | 1,361 | 28,633 | 125,627 | 138,879 | 25,284 | 25,284 |
| Miscellaneous fish | | 541 | 2,089 | 2,076 | 75 | 1,431 | 2,797 | 684 | 1,361 | 28,633 | 125,627 | 138,879 | 25,284 |
| Miscellaneous fish | | | | | | | | | | | | | |

TABLE 39
Monthly Landings and Shipments of Commercial Fish Into the Santa Barbara Region During 1956

DEPARTMENT OF FISH AND GAME

TABLE 39—Continued
Monthly Landings and Shipments of Commercial Fish Into the Santa Barbara Region During 1956

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|--------------|
| Crustacean: | | | | | | | | | | | | | |
| Crab..... | 57,680 | 51,483 | 31,860 | 54,552 | 23,584 | 60 | 337 | 162 | 217 | 858 | 25,803 | 80,657 | 325,619 |
| Crab, rock..... | 988 | 1,152 | 198 | --- | --- | --- | --- | --- | --- | 1,164 | 1,164 | 4,862 | 10,928 |
| Lobster, spiny..... | 47,372 | 45,164 | 19,484 | --- | --- | --- | --- | --- | --- | 20,486 | 28,003 | 31,021 | 198,340 |
| Mollusk: | | | | | | | | | | | | | |
| Abalone..... | 186,448 | 181,366 | 97,960 | 267,860 | 363,710 | 256,077 | 286,420 | 265,110 | 200,462 | 212,537 | 226,088 | 246,142 | 2,708,793 |
| Octopus..... | 219,060 | 181,460 | 159,825 | 97,117 | 444 | 446 | 323 | 55,050 | 7,000 | 26,200 | 39,250 | 30,300 | 134,257 |
| Oyster, giant Pacific..... | --- | --- | --- | 97,600 | 55,150 | 53,050 | 55,050 | 55,050 | 55,050 | 55,050 | 55,050 | 55,050 | 237,175 |
| Squid..... | --- | --- | --- | --- | --- | --- | --- | --- | --- | 545 | 545 | 545 | 12,545 |
| Total pounds..... | 2,413,060 | 1,142,855 | 1,665,212 | 1,438,555 | 1,065,109 | 1,006,011 | 900,775 | 1,361,789 | 1,338,295 | 23,084,347 | 8,910,950 | 6,545,065 | 51,041,943 |
| Shipments ¹ : | | | | | | | | | | | | | |
| Tuna, albacore..... | --- | --- | --- | --- | 2,500 | 242,174 | 272,000 | 339,300 | 248,000 | 380,700 | 155,500 | 2,000 | 2,000 |
| Tuna, bigeye..... | --- | --- | --- | --- | 397,826 | 339,950 | 447,790 | 447,790 | 447,790 | 447,790 | 447,790 | 447,790 | 447,790 |
| Tuna, yellowfin..... | 208,204 | 208,204 | 208,204 | 208,204 | 208,204 | 208,204 | 208,204 | 208,204 | 208,204 | 208,204 | 208,204 | 208,204 | 208,204 |
| Crustacean: | | | | | | | | | | | | | |
| Shrimp, unclassified..... | --- | --- | --- | --- | 1,350 | --- | --- | --- | --- | 2,500 | 2,500 | 1,250 | 5,100 |
| Mollusk: | | | | | | | | | | | | | |
| Cham., Pismo..... | 208,204 | 208,204 | 208,204 | 208,204 | 208,204 | 208,204 | 208,204 | 208,204 | 208,204 | 208,204 | 208,204 | 208,204 | 83,840 |
| Total pounds..... | 2,451,264 | 1,390,645 | 1,906,512 | 1,830,361 | 1,649,783 | 1,281,011 | 1,140,075 | 1,009,789 | 1,718,955 | 23,275,847 | 8,945,530 | 6,725,515 | 54,329,327 |
| Grand totals, Santa Barbara region..... | | | | | | | | | | | | | |

¹ See Table 32 for origin of shipments.

TABLE 39
Monthly Landings and Shipments of Commercial Fish Into the Santa Barbara Region During 1956

THE MARINE FISH CATCH OF CALIFORNIA

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TABLE 40
Monthly Landings and Shipments of Commercial Fish Into the Los Angeles Region During 1956

TABLE 40
Monthly Landings and Shipments of Commercial Fish Into the Los Angeles Region During 1956

TABLE 40—Continued
Monthly Landings and Shipments of Commercial Fish Into the Los Angeles Region During 1956

| Species | Total pounds | | | | | | | | | | | Total pounds |
|--|--------------|------------|------------|-----------|------------|------------|------------|------------|------------|------------|------------|--------------|
| | January | February | March | April | May | June | July | August | September | October | November | |
| Crustacean: | | | | | | | | | | | | |
| Crab, rock | 2,282 | 2,429 | 885 | 1,232 | 2,811 | 6,471 | 5,139 | 7,185 | 4,612 | 8,073 | 2,382 | 43,989 |
| Lobster, spiny | 57,128 | 56,021 | 18,209 | — | — | — | — | — | 9,769 | 68,506 | 49,550 | 347,184 |
| Mollusk: | | | | | | | | | | | | |
| Oyster | 55,411 | — | — | 80,800 | 122,441 | 161,251 | 187,134 | 158,954 | 97,690 | 54,355 | 144,205 | 75,608 |
| Squid | — | — | — | 60 | 78,020 | 80,008 | 115 | 255,170 | 296,295 | 60,446 | 47,377 | 44,560 |
| Miscellaneous mollusk | — | 12,405 | 5,305 | — | — | 20 | 12 | 10 | — | 7 | — | — |
| Total pounds | 20,313,073 | 16,641,064 | 11,512,713 | 8,682,379 | 9,324,610 | 6,439,151 | 12,577,513 | 14,410,346 | 12,212,832 | 52,569,623 | 29,277,569 | 15,277,050 |
| Fishing boat landings from waters north of the state boundary: | | | | | | | | | | | | 209,902,223 |
| Tuna, albacore | — | — | — | — | — | — | — | — | — | — | — | — |
| Total pounds | — | — | — | — | — | — | — | — | 52,280 | 58,978 | — | 111,538 |
| Fishing boat landings from waters south of the international boundary: | | | | | | | | | | | | 111,538 |
| Barracuda, California | 35,005 | 92,822 | 56,391 | — | — | — | 2,356 | 43,465 | 40,911 | 56,802 | 93,040 | 123,134 |
| Bonito | 13,765 | 4,491 | 9,569 | 13,367 | — | — | 2,535 | — | — | 11,390 | 10,038 | 10,563 |
| Cabrilla | 11,184 | — | — | — | — | — | — | — | — | 768 | 860 | 25,125 |
| Shortfin, corvina | — | 31,948 | 10,551 | 47,989 | — | — | 4,035 | 1,325 | — | — | 125 | 47,80 |
| Groupers | — | — | — | — | — | — | — | — | — | — | 430 | 211,479 |
| Hallibut, California | 1,848 | — | — | — | — | — | — | — | — | — | 430 | — |
| Ling | — | 1,381 | — | — | — | — | — | — | — | — | — | 9,433 |
| Rock bass | — | 1,560 | 16,540 | 1,335 | — | — | 605 | — | 4,540 | — | — | 3,307 |
| Rockfish | — | 26,181 | 5,570 | 10,217 | — | 23,103 | 41,285 | 26,140 | — | 155 | 2,080 | 8,775 |
| Sea bass, black | — | — | — | — | — | — | — | — | — | — | — | 283,960 |
| Seahass, white | — | 1,892 | 4,555 | 12,841 | 506 | — | 12,094 | 7,685 | 88,041 | 53,295 | 15,278 | 92,047 |
| Shark | — | — | 2,765 | 1,170 | 82 | 51 | 2,899 | — | 121 | 4,750 | 4,412 | 18,016 |
| Sheep-head | — | 80 | — | — | 575 | — | — | — | — | 500 | 500 | 320 |
| Sherna | — | — | — | — | — | — | — | — | — | 340 | — | 995 |
| Swordfish | — | — | — | — | — | — | — | — | 976 | — | — | 976 |
| Tuna, albacore | 74,970 | 8574 | — | — | — | — | — | — | — | — | — | — |
| Tuna, bluefin | — | 5,929,253 | 4,007,270 | 4,000,382 | 4,007,297 | 5,886,207 | 3,152,706 | 3,075,305 | 2,011,176 | 10,362 | 450 | 2,067 |
| Tuna, yellowfin | — | 6,11,450 | 7,22,368 | 9,832,428 | 12,912,573 | 12,411,786 | 12,090,482 | 11,132,355 | 5,683,236 | 4,692,963 | 453,103 | 4,865,155 |
| Wahoo | — | — | — | — | — | 6,560 | — | — | — | — | — | 6,560 |

TABLE 40
Monthly Landings and Shipments of Commercial Fish Into the Los Angeles Region During 1956

| | | | | | | | | | | | | |
|-------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| Whitefish, ocean... | 19,468 | 4,478 | 3,480 | 3,754 | 103,698 | 60,647 | 790 | 51,615 | 8,185 | 12,907 | 1,045 | 480 |
| Yellowtail... | ... | ... | 3,750 | 30 | 144 | ... | ... | ... | ... | ... | ... | 270,257 |
| Miscellaneous fish... | ... | ... | ... | 30 | ... | ... | ... | ... | ... | ... | ... | 164 |
| Total pounds | 12,867,015 | 13,211,638 | 14,886,051 | 17,350,458 | 18,450,907 | 22,880,269 | 21,387,310 | 17,849,052 | 12,286,291 | 1,746,777 | 8,337,036 | 10,341,930 |
| Shipments? | | | | | | | | | | | | |
| Fish: | | | | | | | | | | | | |
| Hake, Pacific... | 63,777 | 10,281 | 12,600 | 35,000 | 69,695 | 4,930 | 21,485 | 47,067 | 27,618 | 9,570 | 2,950 | 2,950 |
| Sablefish... | 2,152 | 16,000 | 37,100 | 7,854 | 16,355 | 55 | ... | 13,988 | 36,732 | 4,104 | ... | 290 |
| Salmon... | 78 | 2,406 | 3,507 | 15,359 | 576 | ... | ... | 1,585 | ... | ... | ... | 117,090 |
| Sturgeon... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 25,001 |
| Seaperch... | | | | | | | | | | | | |
| Tuna, albacore... | 3,762,957 | 2,841,820 | 1,911,498 | 2,597,978 | 1,813,346 | 1,531,472 | 388,691 | 303,643 | 288,510 | 809,569 | 16,210,421 | 665,532 |
| Tuna, bigeye... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 162,875 |
| Tuna, bluefin... | 1,627,825 | 1,235,560 | 484,199 | 971,317 | 539,023 | 466,152 | 708,551 | 785,025 | 625,324 | 419,991 | 12,050,241 | 12,050,241 |
| Tuna, skipjack... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 34,771,487 |
| Tuna, yellowfin... | 2,786,188 | 2,034,510 | 2,410,729 | 4,079,568 | 3,927,223 | 2,704,632 | 3,522,125 | 2,782,544 | 3,124,112 | 2,714,762 | 2,148,132 | 34,771,487 |
| Miscellaneous fish... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 167,617 |
| Mollusk: | | | | | | | | | | | | |
| Clam, Pismo... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1,190,472 |
| Total pounds | 8,165,977 | 6,140,187 | 5,579,646 | 7,650,095 | 6,373,221 | 4,854,496 | 5,635,389 | 4,196,551 | 3,822,751 | 4,133,962 | 5,729,462 | 3,391,204 |
| Grand totals, Los Angeles Region... | 41,376,065 | 35,992,889 | 31,978,410 | 33,691,932 | 34,348,738 | 34,682,886 | 39,591,212 | 36,455,919 | 28,371,124 | 58,447,740 | 43,740,067 | 29,010,184 |
| | | | | | | | | | | | | 417,690,196 |

¹ See Table 32 for origin of shipments.

TABLE 40—Cont'd.

TABLE 41
Monthly Landings and Shipments of Commercial Fish Into the San Diego Region During 1956

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|--|---------|----------|-------|--------|--------|--------|--------|---------|-----------|---------|----------|----------|--------------|
| Fishing boat landings from California waters: | | | | | | | | | | | | | |
| Burrfold, California..... | 14 | 48 | 267 | 30,778 | 8,282 | 2,407 | 321 | 64 | 191 | 645 | 565 | 575 | 42,507 |
| Bunto, white (kingfish)..... | 1,065 | 161 | 450 | 186 | 83 | 284 | 56 | 388 | 191 | 562 | 562 | 575 | 1,764 |
| Catfish, common..... | 70 | | | 109 | 104 | 2,503 | 2,137 | | | 196 | 196 | 196 | 8,015 |
| Dolphinfish, common..... | 658 | 6,757 | 9,887 | 16,204 | 13,710 | 14,187 | 149 | 149 | 3,674 | 1,320 | 370 | 370 | 1,149 |
| Hallibut, California..... | 698 | 34 | | | | 1,390 | | | | | 13,773 | 13,773 | 91,770 |
| Lingcod..... | 562 | 562 | 5449 | 5,449 | 12 | | 265 | 265 | 203 | 801 | 172,394 | 172,394 | 13 |
| Mackerel, jack..... | 442 | 288 | 3,627 | 1,759 | 686 | 1,326 | 1,032 | 5,516 | 27,813 | 30,390 | 31,717 | 31,717 | 180,536 |
| Mackerel, Pacific..... | 1,483 | 11,030 | 8,230 | 18,565 | 5,917 | 2,257 | 3,969 | 3,338 | 4,534 | 5,141 | 3,637 | 3,637 | 140,276 |
| Opaleye..... | | | | | | | | | | | 3,012 | 3,012 | 8,506 |
| Rockfish..... | 12 | 16 | | 16 | | 12,324 | 3,463 | | | | | | 77,322 |
| Salmon..... | 1,976 | 2,125 | 3,313 | 1,018 | 9,618 | 9,727 | 9,166 | 868 | 224 | 21 | 21 | 21 | 3,491 |
| Sailfin..... | 164 | 290 | 73 | 290 | 73 | 371 | 371 | 82 | 224 | 21 | 21 | 21 | 38,996 |
| Sea bass, black..... | 12,183 | 1,518 | 3,293 | 5,457 | 40,507 | 6,558 | 13,488 | 1,177 | 7,461 | 14,711 | 292 | 292 | 18,174 |
| Sea bass, white..... | 1,641 | 7,145 | 8,341 | 13,907 | 18,904 | 34,001 | 10,454 | 5,494 | 4,783 | 12,468 | 31,389 | 31,389 | 156,397 |
| Shark..... | 31 | 35 | 34 | 74 | 90 | 27 | | | 46 | 799 | 1,440 | 1,440 | 168,337 |
| Sheep-head..... | | | 485 | 25 | 735 | 37 | | | 120 | 120 | 165 | 165 | 3,176 |
| Skate..... | | | | | | 1,740 | 1,178 | 6,168 | 32,310 | 32,310 | 165 | 165 | 49,006 |
| Smelt..... | | | | | | | | | 7,589 | 7,589 | 7,589 | 7,589 | |
| Swordfish..... | 560 | | | | 1,666 | 52,952 | 44,662 | 174,395 | 1,150,752 | 304,684 | 126,324 | 126,324 | 1,565,9165 |
| Tuna, albacore..... | | | | | 21,611 | 4,886 | 25,653 | 25,653 | 47 | 47 | 162 | 162 | 50,150 |
| Tuna, bluefin..... | | | | | | | | | | | 70 | 70 | 299 |
| Tuna, skipjack..... | | | | | | | 6 | 6 | | | | | 75 |
| Tuna, yellowfin..... | | 261 | | | 165 | | | | | | | | 507 |
| Whitefish, ocean..... | | | 387 | 8,892 | 879 | 339 | 312 | 1,443 | 3,299 | 3,299 | 354 | 354 | 15,935 |
| Yellowtail..... | 36 | | 76 | 234 | 13 | 2 | | | | | 6 | 6 | 367 |
| Miscellaneous fish..... | | | | | | | | | | | 1,120 | 1,120 | 1,260 |
| Crustacean: | | | | | | | | | 84,238 | 84,238 | 35,003 | 35,003 | 5,154 |
| Crab, rock..... | 728 | 290 | 184 | 9,636 | 9,636 | | | | | | 26,863 | 26,863 | 190,255 |
| Lobster, spiny..... | 14,732 | 16,153 | 9,636 | | | | | | | | | | |

TABLE 41
Monthly Landings and Shipments of Commercial Fish Into the San Diego Region During 1956

| Mollusks | | | | | | | | | |
|---|------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Above, Clam, jackknife Octopus | 40,529 406 ----- | 15,677 1,026 ----- | 82,631 2,936 1,388 | 50,261 2,782 ----- | 40,891 3,795 ----- | 17,073 4,352 ----- | 23,705 4,339 ----- | 24,004 3,087 ----- | 13,800 1,335 ----- |
| Below, Clam, jackknife Octopus | 406 ----- | 1,026 ----- | 2,936 1,388 | 2,782 ----- | 3,795 ----- | 4,352 ----- | 3,087 ----- | 1,335 ----- | 1,022 ----- |
| Total pounds | 73,107 | 63,449 | 151,663 | 174,491 | 178,126 | 133,989 | 124,186 | 276,670 | 1,346,082 |
| Fishing boat landings from waters south of the international boundary: Barataria, California | 29,892 7,108 | 24,438 2,491 | 7,535 116 | ----- | ----- | 495 | 139 | 13,427 22,304 | 20,570 13,428 |
| Boatino, California | 2,656 | 299 | 922 | ----- | ----- | 46 | 20,062 | 10,558 13,457 | 3,815 3,467 |
| Grover, California | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Mackerel, Pacific | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Rock Bass | 3,496 | 2,502 | 6,697 | 160 | ----- | 290 | 735 | 47 | 802 |
| Rockfish | 475 | 2,879 | 1,629 | 954 | ----- | 525 | 294 | 503 | 1,206 |
| Sea bass, black | 13,523 | 10,205 | 306 | 1,508 | 420 | 5,335 | 4,898 | 70,363 | 29,296 |
| Seabass, white | 765 | 300 | 765 | 420 | ----- | 373 | 950 | 1,904 | 2,628 |
| Sharks | ----- | ----- | ----- | ----- | ----- | 395 | 640 | 150 | 2,551 |
| Sheephead | ----- | ----- | ----- | ----- | ----- | 355 | 355 | 150 | 205 |
| Skatefish | ----- | ----- | ----- | ----- | ----- | 574,508 | 1,31,676 | 563,820 | 427,321 |
| Swordfish | 287,181 | 13,635 | ----- | 104 | 17,1622 | 6,800,352 | 4,875,153 | 150,559 | 645 |
| Tuna, albacore | 4,621,784 | 4,776,156 | 5,035,386 | 3,615,476 | 4,044,665 | 4,412,367 | 3,485,772 | 8,233,232 | 7,178,536 |
| Tuna, skipjack | 8,021,563 | 3,387,563 | 6,342,254 | 6,381,863 | 5,984,494 | 3,692,641 | 3,450,577 | 6,377,730 | 4,717,607 |
| Tuna, yellowfin | ----- | ----- | ----- | 5,988 | ----- | 5,229,708 | 5,820,016 | 6,377,730 | 5,820,016 |
| Wahoo | ----- | ----- | 350 | ----- | 307 | 148 | 35,805 | 21,063 | 2,864 |
| Yellowtail | 182 | 4,257 | 493 | ----- | 182 | ----- | ----- | ----- | 708 |
| Miscellaneous fish | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 182 |
| Crustacean: | ----- | ----- | ----- | ----- | ----- | ----- | 100 | 25 | 125 |
| Lobster, spiny | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Total pounds | 12,982,896 | 8,22,945 | 11,292,881 | 12,265,579 | 10,432,319 | 4,569,177 | 15,569,480 | 12,749,377 | 12,830,159 |
| Shipments: ¹ | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Seas, white | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Tuna, albacore | 874,636 | 22,871 | 72,475 | 289,668 | 328,639 | 228,475 | 233,705 | 288,799 | 32,870 |
| Tuna, skipjack | 1,898,550 | 435,482 | 986,037 | 384,700 | 1,284,271 | 223,388 | 940,535 | 1,170,311 | 3,286,047 |
| Total pounds | 2,772,961 | 461,333 | 1,710,732 | 67,398 | 1,613,210 | ----- | 467,092 | 1,211,275 | 161,454 |
| Grand totals, San Diego Region | 15,828,904 | 8,235,409 | 13,066,612 | 13,091,410 | 12,220,020 | 4,747,303 | 16,195,561 | 14,084,828 | 13,114,375 |
| | | | | | | | | 10,099,558 | 7,852,005 |
| | | | | | | | | 14,700,620 | 144,645,675 |
| | | | | | | | | 10,099,558 | 30,491,219 |

TABLE 41
Monthly Landings and Shipments of Commercial Fish Into the San Diego Region During 1956

TABLE 42
The Value, by Region, of the Annual Landings and Shipments of Commercial Fish
Into California During 1956

| Species | Eureka region | | Sacramento region | | San Francisco region | | Monterey region | |
|--------------------------------|---------------|-----------|-------------------|----------|----------------------|---------|-----------------|-----------|
| | Pounds | Value | Pounds | Value | Pounds | Value | Pounds | Value |
| Fishing boat landings: | | | | | | | | |
| Anchovy..... | | | | | 387,981 | \$7,760 | 9,658,359 | \$124,592 |
| Barracuda, California..... | | | | | | | | |
| Bonito..... | | | | | 190 | 2 | 9,762 | 387 |
| Cabezon..... | | | | | | | | |
| Cabrilla..... | | | | | | | | |
| Carp..... | | | 855,097 | \$35,914 | 479 | 34 | | |
| Corvina, shortfin..... | | | | | | | | |
| Croaker, white (kingfish)..... | | | | | 9,637 | 877 | 244,421 | 12,978 |
| Dolphinfish, common..... | | | | | | | | |
| Eel..... | | | | | | | 430 | 13 |
| Flounder..... | 104,229 | \$4,232 | | | 223,041 | 9,458 | 46,638 | 2,453 |
| Flyingfish..... | | | | | | | | |
| Grouper..... | | | | | 7,290 | 110 | 283,253 | 2,804 |
| Hake..... | 1,085,674 | 18,999 | | | | | | |
| Halfmoon..... | | | | | | | | |
| Halibut, arrowtooth..... | 1,042,585 | 20,122 | | | 27,777 | 849 | 235 | 7 |
| Halibut, California..... | 175 | 42 | | | 15,801 | 3,379 | 14,615 | 3,220 |
| Halibut, Pacific..... | 39,018 | 9,836 | | | | | | |
| Hardhead..... | | | 76,750 | 32,619 | | | | |
| Herring, Pacific..... | 68,835 | 1,742 | | | 925,121 | 12,582 | 736,498 | 33,510 |
| Lingcod..... | 372,927 | 30,915 | | | 317,665 | 21,030 | 144,946 | 13,088 |
| Mackerel, jack..... | | | | | 3,229 | 95 | 2,454,324 | 58,413 |
| Mackerel, Pacific..... | | | | | | | 43,848 | 2,228 |
| Needlefish, California..... | | | | | | | 525 | 26 |
| Opaheye..... | | | | | | | | |
| Perch..... | 72,221 | 10,610 | | | 44,497 | 6,570 | 28,916 | 2,715 |
| Pompano, California..... | | | | | | | 29,341 | 11,118 |
| Ratfish..... | | | | | | | 8,245 | 79 |
| Rock bass..... | | | | | | | | |
| Rockfish..... | 3,118,829 | 102,335 | | | 2,942,536 | 112,863 | 5,016,156 | 250,325 |
| Sablefish..... | 1,098,871 | 93,953 | | | | | | |
| Salmon..... | 6,311,608 | 2,230,873 | 1,139,585 | 361,933 | 830,216 | 21,917 | 891,214 | 24,686 |
| Sanddab..... | 98,162 | 5,389 | | | 2,938,586 | 983,927 | 752,969 | 259,925 |
| Sardine..... | | | | | 455,097 | 22,665 | 202,541 | 12,153 |
| Sculpin..... | | | | | | | 828 | 117 |
| Sculpin, staghorn..... | | | | | | | | |
| Sea bass, black..... | | | | | 1,565 | 78 | | |
| Seabass, white..... | | | | | 197 | 66 | 1,667 | 461 |
| SeatROUT, greenling..... | | | | | | | 165 | 4 |
| Shad..... | | | 431,125 | 27,279 | | | | |
| Shark..... | 220 | 11 | | | 43,282 | 1,925 | 572,411 | 30,264 |
| Sheep-head..... | | | | | | | | |
| Sierra..... | | | | | | | | |
| Skate..... | 14,004 | 2 | | | 96,940 | 1,338 | 51,620 | 551 |
| Smelt..... | 120,962 | 6,835 | | | 147,492 | 13,513 | 168,246 | 11,610 |
| Sole, Dover..... | 7,105,635 | 349,597 | | | 1,145,950 | 41,025 | 13,890 | 536 |
| Sole, English..... | 1,351,095 | 87,416 | | | 1,730,489 | 102,068 | 589,722 | 40,101 |
| Sole, Petrale..... | 1,263,647 | 126,112 | | | 883,773 | 77,771 | 186,241 | 18,047 |
| Sole, rex..... | 468,782 | 26,346 | | | 505,104 | 24,100 | 105,357 | 5,247 |
| Sole, sand..... | 14,365 | 1,202 | | | 62,847 | 5,492 | 100 | 7 |
| Sole, unclassified..... | 10,120 | 395 | | | 1,643 | 104 | 6,599 | 553 |
| Splittail..... | | | 127 | 13 | | | | |
| Swordfish..... | | | | | | | | |
| Tomeod..... | | | | | 1,153 | 40 | | |
| Tuna, albacore..... | 504,022 | 71,570 | | | 3,244,597 | 517,838 | 4,660,071 | 733,961 |
| Tuna, bluefin..... | | | | | | | 19,869 | 2,583 |
| Tuna, skipjack..... | | | | | 1,369 | 157 | 2,169 | 249 |
| Tuna, yellowfin..... | | | | | 215,691 | 29,118 | 360,983 | 47,975 |
| Turbot..... | 7,806 | 421 | | | 63,985 | 2,661 | 405 | 18 |
| Wahoo..... | | | | | | | | |

TABLE 42
The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1956

TABLE 42—Continued
The Value, by Region, of the Annual Landings and Shipments of Commercial Fish
Into California During 1956

| Species | Santa Barbara region | | Los Angeles region | | San Diego region | | Total | |
|--------------------------------|----------------------|----------|--------------------|------------|------------------|-----------|-------------|------------|
| | Pounds | Value | Pounds | Value | Pounds | Value | Pounds | Value |
| Fishing boat landings: | | | | | | | | |
| Anchovy..... | 557,450 | \$10,480 | 46,316,795 | \$578,969 | | | 56,920,585 | \$721,792 |
| Barracuda, California..... | | | 569,278 | 103,210 | 183,249 | \$31,006 | 752,527 | 134,216 |
| Bonito..... | | | 61,574 | 2,950 | 65,640 | 4,070 | 127,514 | 7,020 |
| Cabezon..... | 2,345 | 117 | 100 | 4 | | | 12,397 | 510 |
| Cabrilla..... | | | 63,438 | 9,395 | | | 63,438 | 9,395 |
| Carp..... | | | 430 | 65 | | | 855,576 | 35,948 |
| Corvina, shortfin..... | | | | | | | 430 | 65 |
| Croaker, white (kingfish)..... | 14,157 | 795 | 613,620 | 21,949 | 8,015 | 691 | 889,850 | 37,290 |
| Dolphinfish, common..... | | | | | 149 | 12 | 149 | 12 |
| Eel..... | | | | | | | 430 | 13 |
| Flounder..... | 1,202 | 70 | | | | | 375,110 | 16,213 |
| Flyingfish..... | | | 50,724 | 5,052 | | | 50,724 | 5,052 |
| Grouper..... | | | 211,379 | 39,710 | 215 | 39 | 211,504 | 39,779 |
| Hake..... | | | | | | | 1,376,217 | 21,913 |
| Halfmoon..... | | | 15,108 | 3,774 | | | 15,108 | 3,774 |
| Halibut, arrowtooth..... | | | | | | | 1,070,597 | 20,978 |
| Halibut, California..... | 143,505 | 32,160 | 125,573 | 32,222 | 156,130 | 34,505 | 455,799 | 105,528 |
| Halibut, Pacific..... | | | | | | | 39,018 | 9,836 |
| Hardhead..... | | | | | | | 76,750 | 32,619 |
| Herring, Pacific..... | 4,634 | 174 | 688 | 14 | | | 1,735,776 | 48,022 |
| Lingcod..... | 95,315 | 8,511 | 144 | 15 | 314 | 28 | 931,311 | 73,587 |
| Mackerel, jack..... | 14,056,984 | 212,260 | 59,067,037 | 1,258,129 | 180,536 | 2,690 | 75,762,110 | 1,531,587 |
| Mackerel, Pacific..... | 11,836,493 | 200,037 | 37,992,163 | 858,624 | 140,505 | 4,623 | 50,013,009 | 1,065,512 |
| Needlefish, California..... | | | | | | | 525 | 26 |
| Opah..... | | | 3,101 | 481 | 332 | 50 | 3,433 | 531 |
| Perch..... | 42,047 | 9,243 | | | | | 187,681 | 29,138 |
| Pompano, California..... | 274 | 66 | 47,064 | 11,338 | | | 76,679 | 22,522 |
| Ratfish..... | | | 3,307 | 538 | 125 | 10 | 8,245 | 79 |
| Rock bass..... | | | | | | | 3,432 | 548 |
| Rockfish..... | 2,576,483 | 96,367 | 597,580 | 61,229 | 91,931 | 7,729 | 149,43,515 | 630,848 |
| Sablefish..... | 47,501 | 1,872 | 605 | 54 | | | 2,868,407 | 14,482 |
| Salmon..... | 264,248 | 95,694 | 4,000 | 1,480 | 3,491 | 1,418 | 11,414,487 | 3,935,459 |
| Sanddab..... | 8,785 | 459 | 24,215 | 3,592 | | | 788,800 | 41,288 |
| Sardine..... | 15,446,144 | 293,477 | 54,089,199 | 1,379,275 | 18,174 | 632 | 69,554,345 | 1,673,501 |
| Sculpin..... | | | 62,136 | 15,193 | 38,096 | 7,677 | 106,232 | 22,870 |
| Sculpin, staghorn..... | | | | | | | 1,565 | 78 |
| Sea bass, black..... | 721 | 96 | 319,046 | 48,973 | 11,551 | 1,524 | 331,318 | 50,593 |
| Seabass, white..... | 41,260 | 11,599 | 658,745 | 157,309 | 379,354 | 86,986 | 1,081,223 | 256,421 |
| SeatROUT, greenling..... | 1,022 | 56 | | | | | 1,187 | 60 |
| Shad..... | | | | | | | 431,125 | 27,279 |
| Shark..... | 169,747 | 11,406 | 118,615 | 12,693 | 181,639 | 17,711 | 1,085,314 | 74,010 |
| Sheep-head..... | 399 | 34 | 1,821 | 15 | 4,355 | 322 | 6,375 | 471 |
| Sierra..... | | | 995 | 69 | | | 995 | 69 |
| Skate..... | 4,152 | 342 | 4,060 | 272 | 1,975 | 132 | 173,751 | 2,637 |
| Smelt..... | 9,985 | 398 | 19,491 | 1,254 | 157 | 16 | 466,333 | 33,626 |
| Sole, Dover..... | 2,949 | 141 | | | | | 8,268,424 | 391,299 |
| Sole, English..... | 153,646 | 9,926 | | | | | 3,821,952 | 239,541 |
| Sole, petrale..... | 495,189 | 48,133 | 1,208 | 79 | | | 2,830,058 | 270,142 |
| Sole, rex..... | 68,130 | 3,672 | | | | | 1,147,373 | 59,965 |
| Sole, sand..... | | | | | | | 77,312 | 6,701 |
| Sole, unclassified..... | 1,849 | 176 | 2,645 | 197 | | | 22,856 | 1,425 |
| Splittail..... | | | | | | | 1,327 | 13 |
| Swordfish..... | 13,199 | 5,046 | 212,065 | 85,208 | 49,910 | 20,733 | 273,174 | 110,987 |
| Tomcod..... | | | | | | | 1,153 | 40 |
| Tuna, albacore..... | 320,084 | 47,469 | 11,624,994 | 2,051,472 | 16,701,443 | 2,911,061 | 37,055,211 | 6,333,371 |
| Tuna, bluefin..... | | | 11,680,385 | 1,525,458 | 925,714 | 121,546 | 12,625,968 | 1,649,587 |
| Tuna, skipjack..... | | | 62,637,213 | 7,190,752 | 57,512,471 | 6,631,188 | 120,153,222 | 13,822,346 |
| Tuna, yellowfin..... | | | 92,064,749 | 12,447,154 | 56,639,553 | 7,657,668 | 149,280,076 | 20,181,915 |
| Turbot..... | 11,098 | 513 | | | | | 83,294 | 3,613 |
| Wahoo..... | | | | | 6,560 | 2,296 | 5,698 | 1,994 |
| | | | | | | | 12,258 | 4,290 |

TABLE 42
The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1956

TABLE 42—Continued
*The Value, by Region, of the Annual Landings and Shipments of Commercial Fish
 Into California During 1956*

| Species | Eureka region | | Sacramento region | | San Francisco region | | Monterey region | |
|-------------------------------|---------------|-------------|-------------------|-----------|----------------------|-------------|-----------------|-------------|
| | Pounds | Value | Pounds | Value | Pounds | Value | Pounds | Value |
| Fishing boat landings:—Contd. | | | | | | | | |
| Whitebait..... | 88,177 | \$6,984 | | | 53,340 | \$7,772 | 7,303 | \$880 |
| Whitefish, ocean..... | | | | | | | | |
| Yellowtail..... | | | | | | | | |
| Miscellaneous fish..... | 11 | 1 | 110 | \$22 | 22 | 6 | | |
| Crustacean: | | | | | | | | |
| Crab..... | 7,988,974 | 1,131,239 | | | 5,074,661 | 633,588 | 31,205 | 4,400 |
| Crab, rock..... | | | | | | | | |
| Lobster, spiny..... | | | | | | | 1,233 | 493 |
| Prawn..... | | | | | | | | |
| Shrimp, bay..... | | | | | 718,968 | 54,354 | | |
| Shrimp, ocean..... | 895,936 | 79,828 | | | 272,583 | 20,117 | | |
| Mollusk: | | | | | | | | |
| Ahalone..... | | | | | 17,965 | 2,842 | 688 | 68 |
| Clam, gaper..... | | | | | | | | |
| Clam, jackknife..... | | | | | | | | |
| Clam, Washington..... | 10,629 | 1,227 | | | 5,249 | 229 | 5,983 | 590 |
| Octopus..... | 1,774 | 68 | | | | | | |
| Oyster, eastern..... | | | | | 142,181 | 37,905 | | |
| Oyster, giant Pacific..... | 4,381,050 | 72,725 | | | 325,145 | 37,555 | | |
| Oyster, Kumamoto..... | 23,965 | 398 | | | | | | |
| Oyster, native..... | | | | | 6,234 | 1,399 | | |
| Squid..... | | | | | | | 18,594,241 | 317,961 |
| Miscellaneous mollusk..... | | | | | | | 17 | 5 |
| Total pounds and value..... | 37,664,308 | \$4,401,425 | 2,502,794 | \$457,780 | 24,791,568 | \$2,817,779 | 46,551,249 | \$2,031,401 |
| Shipments: ¹ | | | | | | | | |
| Carp..... | | | | | 1,535 | \$129 | | |
| Eel..... | | | | | | | | |
| Halibut, Pacific..... | | | | | 45,916 | 11,938 | | |
| Sablefish..... | | | | | 293,440 | 51,939 | | |
| Salmon..... | 6,438 | \$1,916 | | | 64,738 | 31,346 | | |
| Sardine..... | | | | | 6,800 | 204 | | |
| Seabass, white..... | | | | | | | | |
| Shad..... | | | | | 36,576 | 38,405 | | |
| Sturgeon..... | | | | | | | | |
| Swordfish..... | | | | | 9,762 | 3,417 | | |
| Tuna, albacore..... | | | | | 4,077,481 | 733,539 | | |
| Tuna, bigeye..... | | | | | | | | |
| Tuna, bluefin..... | | | | | | | | |
| Tuna, skipjack..... | | | | | 492,344 | 50,761 | | |
| Tuna, yellowfin..... | | | | | 9,316,035 | 1,328,467 | | |
| Miscellaneous fish..... | | | | | 22,540 | 3,167 | | |
| Crustacean: | | | | | | | | |
| Shrimp, unclassified..... | | | | | | | | |
| Mollusk: | | | | | | | | |
| Clam, Pismo..... | | | | | | | | |
| Total pounds and value..... | '6,438 | \$1,916 | | | 14,367,167 | \$2,253,312 | | |
| Grand totals..... | 37,670,746 | \$4,493,341 | 2,502,794 | \$457,780 | 39,158,735 | \$5,071,091 | 46,551,249 | \$2,031,401 |

¹ See Table 32 for origin of shipments.

TABLE 42
The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1956

TABLE 42—Continued
*The Value, by Region, of the Annual Landings and Shipments of Commercial Fish
 Into California During 1956*

| Species | Santa Barbara region | | Los Angeles region | | San Diego region | | Total | |
|--------------------------------------|----------------------|-------------|--------------------|--------------|------------------|--------------|-------------|--------------|
| | Pounds | Value | Pounds | Value | Pounds | Value | Pounds | Value |
| Fishing boat landings:—Contd. | | | | | | | | |
| Whitebait | | | | | | | 148,820 | \$15,636 |
| Whitefish, ocean | | | 963 | \$77 | | | 1,820 | 141 |
| Yellowtail | | | 272,960 | 24,867 | 857 | \$64 | 370,887 | 32,006 |
| Miscellaneous fish | 935 | \$186 | 719 | 178 | 97,927 | 7,139 | 2,346 | 503 |
| Crustacean: | | | | | | | | |
| Crab | 325,619 | 46,889 | | | | | 14,320,459 | 1,816,116 |
| Crab, rock | 10,028 | 302 | 43,989 | 3,876 | 5,154 | 137 | 59,171 | 4,315 |
| Lobster, spiny | 198,430 | 98,460 | 347,184 | 184,599 | 190,380 | 101,663 | 735,994 | 384,722 |
| Prawn | | | | | | | 1,233 | 493 |
| Shrimp, bay | | | | | | | 718,968 | 54,354 |
| Shrimp, ocean | | | | | | | 1,168,519 | 99,945 |
| Mollusk: | | | | | | | | |
| Ahalone | 2,708,793 | 350,340 | 1,102,471 | 100,386 | 364,834 | 27,016 | 4,281,063 | 480,581 |
| Clam, paper | | | | | | | 688 | 68 |
| Clam, jackknife | | | | | 26,083 | 9,089 | 26,683 | 9,689 |
| Clam, Washington | | | | | | | 10,629 | 1,227 |
| Otopus | 2,571 | 141 | 502 | 99 | 138 | 17 | 16,217 | 1,144 |
| Oyster, eastern | | | | | | | 142,181 | 37,905 |
| Oyster, giant Pacific | 1,395,025 | 28,010 | | | | | 6,101,220 | 138,320 |
| Oyster, Kumamoto | | | | | | | 23,965 | 398 |
| Oyster, native | | | | | | | 6,234 | 1,369 |
| Squid | 12,545 | 314 | 877,198 | 18,949 | | | 19,483,984 | 337,224 |
| Miscellaneous mollusk | | | 49 | 4 | | | 66 | 9 |
| Total pounds and value | 51,044,943 | \$1,625,461 | 382,008,285 | \$28,243,828 | 133,986,644 | \$17,691,896 | 678,549,791 | \$57,359,570 |
| Shipments: | | | | | | | | |
| Carp | | | | | | | 1,535 | \$129 |
| Eel | | | 2,950 | \$1,180 | | | 2,950 | 1,180 |
| Halibut, Pacific | | | 290 | 107 | | | 46,206 | 12,045 |
| Sablefish | | | 309,972 | 56,884 | | | 603,412 | 108,823 |
| Salmon | | | 117,090 | 62,034 | | | 188,266 | 95,296 |
| Sardine | | | | | | | 6,800 | 204 |
| Seabass, white | | | | | 9,487 | \$912 | 9,487 | 912 |
| Shad | | | | | | | 36,576 | 38,405 |
| Sturgeon | | | 23,601 | 14,734 | | | 23,801 | 14,734 |
| Swordfish | | | 310 | 109 | | | 10,672 | 3,526 |
| Tuna, albacore | 2,000 | \$860 | 16,210,424 | 3,002,163 | 32,870 | 5,124 | 20,322,775 | 3,741,986 |
| Tuna, bigeye | 2,500 | 406 | 605,582 | 85,128 | | | 668,082 | 85,534 |
| Tuna, bluefin | | | 162,875 | 20,392 | | | 162,875 | 20,392 |
| Tuna, skipjack | | | 12,059,241 | 1,278,280 | 3,290,627 | 393,514 | 15,842,212 | 1,722,555 |
| Tuna, yellowfin | 3,190,944 | 543,737 | 34,771,487 | 4,958,414 | 7,326,047 | 991,214 | 54,604,513 | 7,821,832 |
| Miscellaneous fish | | | 167,617 | 43,631 | | | 190,157 | 46,798 |
| Crustacean: | | | | | | | 5,100 | 2,856 |
| Shrimp, unclassified | 5,100 | 2,856 | | | | | | |
| Mollusk: | | | | | | | 1,274,312 | 28,228 |
| Clam, Pismo | 88,840 | 2,633 | 1,100,472 | 25,595 | | | | |
| Total pounds and value | 3,284,384 | \$550,492 | 65,681,911 | \$0,548,651 | 10,659,031 | \$1,391,064 | 93,998,931 | \$13,745,435 |
| Grand totals | 54,329,327 | \$2,175,953 | 447,690,196 | \$37,792,479 | 144,645,675 | \$10,082,960 | 772,548,722 | \$71,105,005 |

¹ See Table 32 for origin of shipments.

TABLE 42
The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1956

TABLE 43
*Landings of the Commercial Fishing Boats and Shipments Into the Eureka Region During 1956,
 Shown by Port of Landing With the Corresponding Values*

| | | Value | Pounds |
|---------------------------|-------------|-------------|------------|
| Eureka region totals..... | | \$4,493,341 | 37,670,746 |
| Eureka..... | | | |
| Salmon..... | \$849,824 | 2,400,142 | |
| Crab..... | 344,362 | 2,431,933 | |
| Dover sole..... | 134,196 | 2,727,555 | |
| Giant Pacific oyster..... | 72,725 | 4,381,050 | |
| Albacore..... | 49,479 | 348,447 | |
| English sole..... | 42,341 | 654,421 | |
| Petrale sole..... | 37,057 | 371,310 | |
| Rockfish..... | 32,208 | 632,577 | |
| Sablefish..... | 18,026 | 210,832 | |
| Rex sole..... | 10,110 | 185,225 | |
| Pacific halibut..... | 9,505 | 37,702 | |
| Perch..... | 8,052 | 54,810 | |
| Lingcod..... | 6,676 | 80,525 | |
| All other..... | 15,413 | 359,571 | |
| Totals..... | \$1,630,274 | 15,176,100 | |
| Fort Bragg..... | | | |
| Salmon..... | \$883,444 | 2,506,058 | |
| Dover sole..... | 102,512 | 2,083,571 | |
| Sablefish..... | 67,695 | 791,406 | |
| Petrale sole..... | 32,373 | 324,378 | |
| Rockfish..... | 26,994 | 896,246 | |
| English sole..... | 22,740 | 351,465 | |
| Lingcod..... | 14,916 | 179,029 | |
| Crab..... | 11,160 | 78,815 | |
| Albacore..... | 9,626 | 67,791 | |
| Rex sole..... | 7,591 | 135,075 | |
| Arrowtooth halibut..... | 7,150 | 370,450 | |
| Hake..... | 6,737 | 384,982 | |
| All other..... | 8,401 | 142,882 | |
| Totals..... | \$1,201,309 | 8,313,051 | |
| Crescent City..... | | | |
| Crab..... | \$532,314 | 3,759,281 | |
| Salmon..... | 429,418 | 1,212,460 | |
| Ocean shrimp..... | 78,472 | 880,713 | |
| Albacore..... | 12,465 | 87,784 | |
| All other..... | 13,130 | 194,530 | |
| Totals..... | \$1,065,799 | 6,134,768 | |
| Field's Landing..... | | | |
| Crab..... | \$143,890 | 1,016,173 | |
| Dover sole..... | 112,247 | 2,281,451 | |
| Petrale sole..... | 55,110 | 552,207 | |
| Rockfish..... | 41,540 | 1,243,937 | |
| English sole..... | 20,618 | 318,664 | |
| Arrowtooth halibut..... | 12,689 | 657,470 | |
| Hake..... | 11,876 | 678,645 | |
| Sablefish..... | 8,223 | 96,181 | |
| Rex sole..... | 7,998 | 142,312 | |
| Lingcod..... | 5,642 | 68,090 | |
| All other..... | 7,397 | 67,376 | |
| Totals..... | \$427,230 | 7,122,476 | |
| Trinidad..... | | | |
| Crab..... | \$97,164 | 686,183 | |
| All other..... | 4,587 | 13,357 | |
| Totals..... | \$101,751 | 699,540 | |
| Point Arena..... | | | |
| Salmon..... | \$30,977 | 87,493 | |
| All other..... | 2,376 | 16,935 | |
| Totals..... | \$33,353 | 104,428 | |
| Shelter Cove..... | | | |
| Salmon..... | \$29,115 | 82,273 | |
| All other..... | 173 | 1,969 | |
| Totals..... | \$29,288 | 84,242 | |
| All other ports..... | | | |
| All other..... | \$4,337 | 36,141 | |
| Totals..... | \$4,337 | 36,141 | |

TABLE 43
*Landings of the Commercial Fishing Boats and Shipments Into the Eureka Region During 1956, Shown by Port
 of Landing With the Corresponding Values*

TABLE 44
*Landings of the Commercial Fishing Boats in the Sacramento Region During 1956,
 Shown by Port of Landing With the Corresponding Values*

| | | Value | Pounds |
|-------------------------------|----------------|-----------|-----------|
| Sacramento region totals..... | | \$457,780 | 2,502,794 |
| Pittsburg..... | Salmon..... | \$176,274 | 555,019 |
| | Shad..... | 16,618 | 265,319 |
| | All other..... | 57 | 1,213 |
| | Totals..... | \$192,949 | 821,551 |
| Sacramento..... | Salmon..... | \$57,581 | 181,301 |
| | Hardhead..... | 17,956 | 42,250 |
| | Shad..... | 5,434 | 90,261 |
| | Carp..... | 5,399 | 128,545 |
| | All other..... | 2 | 17 |
| | Totals..... | \$86,372 | 442,374 |
| Martinez..... | Salmon..... | \$50,881 | 160,203 |
| | All other..... | 1,860 | 28,120 |
| | Totals..... | \$52,741 | 188,323 |
| Benicia..... | Salmon..... | \$42,061 | 132,433 |
| | All other..... | 3,371 | 47,530 |
| | Totals..... | \$45,432 | 179,963 |
| Port Costa..... | Salmon..... | \$35,136 | 110,629 |
| | Totals..... | \$35,136 | 110,629 |
| Clear Lake..... | Carp..... | \$22,943 | 546,260 |
| | Hardhead..... | 10,774 | 25,350 |
| | Totals..... | \$33,717 | 571,610 |
| Turlock..... | Hardhead..... | \$3,889 | 9,150 |
| | Carp..... | 3,883 | 92,442 |
| | All other..... | 22 | 110 |
| | Totals..... | \$7,794 | 101,702 |
| All other ports..... | Carp..... | \$3,639 | 86,642 |
| | Totals..... | \$3,639 | 86,642 |

TABLE 44
*Landings of the Commercial Fishing Boats in the Sacramento Region During 1956, Shown by Port of Landing
 With the Corresponding Values*

TABLE 45

*Landings of the Commercial Fishing Boats and Shipments Into the San Francisco Region During 1956,
Shown by Port of Landing With the Corresponding Values*

| | | Value | Pounds |
|----------------------------------|----------------|-------------|------------|
| San Francisco region totals..... | | \$5,071,091 | 39,158,735 |
| San Francisco..... | | | |
| Yellowfin tuna..... | \$1,357,585 | 9,531,726 | |
| Albacore..... | 899,001 | 5,114,208 | |
| Crab..... | 365,824 | 3,444,675 | |
| Salmon..... | 237,868 | 681,591 | |
| Rockfish..... | 87,877 | 2,262,881 | |
| English sole..... | 75,743 | 1,283,786 | |
| Sablefish..... | 70,457 | 994,873 | |
| Petrale sole..... | 56,195 | 638,581 | |
| Skipjack..... | 50,918 | 493,713 | |
| Shad..... | 38,405 | 36,576 | |
| Dover sole..... | 37,525 | 1,018,190 | |
| Bay shrimp..... | 23,690 | 313,390 | |
| Rex sole..... | 19,859 | 406,122 | |
| Sanddab..... | 16,846 | 338,267 | |
| Lingcod..... | 11,998 | 181,246 | |
| Pacific halibut..... | 11,938 | 45,916 | |
| Anchovy..... | 7,760 | 387,981 | |
| Smelt..... | 6,736 | 73,793 | |
| Flounder..... | 5,576 | 131,506 | |
| Sand sole..... | 5,323 | 60,909 | |
| All other..... | 26,395 | 571,229 | |
| Totals..... | \$3,413,519 | 28,041,132 | |
| Point Reyes (Drakes Bay)..... | | | |
| Salmon..... | \$438,206 | 1,308,850 | |
| Crab..... | 48,283 | 1454,639 | |
| Rockfish..... | 20,558 | 578,439 | |
| Giant Pacific oyster..... | 20,017 | 173,300 | |
| Petrale sole..... | 16,316 | 185,420 | |
| English sole..... | 10,582 | 179,358 | |
| Lingcod..... | 7,058 | 106,603 | |
| All other..... | 14,424 | 392,192 | |
| Totals..... | \$575,444 | 3,348,810 | |
| Bodega Bay..... | | | |
| Salmon..... | \$256,313 | 765,570 | |
| Crab..... | 139,779 | 1,316,191 | |
| Ocean Shrimp..... | 18,309 | 248,088 | |
| English sole..... | 15,767 | 267,245 | |
| Smelt..... | 5,492 | 62,735 | |
| Petrale sole..... | 5,241 | 59,554 | |
| All other..... | 24,294 | 440,468 | |
| Totals..... | \$165,195 | 3,159,851 | |
| Sausalito..... | | | |
| Albacore..... | \$173,606 | 1,087,756 | |
| Salmon..... | 49,986 | 149,159 | |
| Crab..... | 21,140 | 297,713 | |
| All other..... | 393 | 9,142 | |
| Totals..... | \$245,125 | 1,453,770 | |
| Oakland..... | | | |
| Albacore..... | \$174,141 | 1,091,106 | |
| Crab..... | 29,685 | 279,528 | |
| Salmon..... | 20,960 | 62,482 | |
| All other..... | 1,901 | 24,559 | |
| Totals..... | \$226,687 | 1,457,675 | |
| Tomales Bay (Marshall)..... | | | |
| Eastern oyster..... | \$37,905 | 142,181 | |
| Giant Pacific oyster..... | 17,538 | 151,845 | |
| Pacific herring..... | 8,394 | 617,200 | |
| All other..... | 5,255 | 46,549 | |
| Totals..... | \$69,092 | 957,775 | |
| Princeton..... | | | |
| Crab..... | \$28,573 | 269,018 | |
| Salmon..... | 11,936 | 35,632 | |
| All other..... | 4,797 | 33,920 | |
| Totals..... | \$45,306 | 338,620 | |
| Richmond..... | | | |
| Bay shrimp..... | \$28,074 | 371,351 | |
| All other..... | 889 | 6,775 | |
| Totals..... | \$28,963 | 378,126 | |
| All other ports..... | All other..... | \$1,760 | 22,976 |
| | Totals..... | \$1,760 | 22,976 |

TABLE 45

*Landings of the Commercial Fishing Boats and Shipments Into the San Francisco Region During 1956, Shown
by Port of Landing With the Corresponding Values*

TABLE 46
*Landings of the Commercial Fishing Boats in the Monterey Region During 1956,
 Shown by Port of Landing With the Corresponding Values*

| | | Value | Pounds |
|-----------------------------|-------------|-------------|------------|
| Monterey region totals..... | | \$2,031,401 | 49,551,249 |
| Monterey..... | | | |
| Squid..... | \$257,932 | 15,082,766 | |
| Rockfish..... | 226,483 | 5,115,444 | |
| Albacore..... | 165,750 | 1,052,379 | |
| Anchovy..... | 109,629 | 8,498,400 | |
| Salmon..... | 98,232 | 284,567 | |
| Yellowfin tuna..... | 47,975 | 360,983 | |
| Jack mackerel..... | 45,886 | 1,927,978 | |
| English sole..... | 30,748 | 452,176 | |
| Sablefish..... | 15,076 | 544,265 | |
| Petrale sole..... | 10,071 | 103,933 | |
| Lingcod..... | 9,083 | 100,589 | |
| Sanddab..... | 6,761 | 112,675 | |
| All other..... | 33,859 | 767,127 | |
| Totals..... | \$1,057,485 | 34,404,282 | |
| Santa Cruz..... | | | |
| Salmon..... | \$77,950 | 225,810 | |
| Albacore..... | 28,712 | 182,300 | |
| Rockfish..... | 23,834 | 500,512 | |
| Pacific herring..... | 13,011 | 285,953 | |
| Sablefish..... | 9,610 | 346,949 | |
| English sole..... | 9,121 | 134,131 | |
| California pompano..... | 8,348 | 22,031 | |
| Petrale sole..... | 7,944 | 81,981 | |
| Smelt..... | 5,376 | 78,042 | |
| All other..... | 21,184 | 437,589 | |
| Totals..... | \$205,090 | 2,295,298 | |
| Moss Landing..... | | | |
| Albacore..... | \$539,499 | 3,425,392 | |
| Salmon..... | 83,743 | 342,592 | |
| Squid..... | 59,895 | 3,502,615 | |
| Shark..... | 28,089 | 541,033 | |
| Pacific herring..... | 18,499 | 406,580 | |
| Anchovy..... | 13,950 | 1,081,400 | |
| Jack mackerel..... | 11,516 | 483,860 | |
| All other..... | 13,635 | 168,197 | |
| Totals..... | \$768,826 | 9,851,669 | |

TABLE 46
*Landings of the Commercial Fishing Boats in the Monterey Region During 1956, Shown by Port of Landing
 With the Corresponding Values*

TABLE 47

*Landings of the Commercial Fishing Boats and Shipments Into the Santa Barbara Region During 1956,
Shown by Port of Landing With the Corresponding Values*

| | | Value | Pounds |
|---|---------------------------|-------------|------------|
| Santa Barbara region totals..... | | \$2,175,953 | 54,329,327 |
| Port San Luis (Avila, Grover City)..... | Yellowfin tuna..... | \$843,737 | 3,190,944 |
| | Salmon..... | 74,210 | 204,915 |
| | Albacore..... | 21,951 | 148,016 |
| | Petrale sole..... | 15,039 | 154,721 |
| | Crab..... | 14,415 | 100,106 |
| | Abalone..... | 9,507 | 68,642 |
| | Rockfish..... | 8,211 | 154,224 |
| | All other..... | 9,604 | 228,073 |
| | Totals..... | \$696,674 | 4,249,941 |
| Port Hueneme..... | Sardine..... | \$274,358 | 14,439,885 |
| | Jack mackerel..... | 203,051 | 13,447,066 |
| | Pacific mackerel..... | 190,156 | 11,251,815 |
| | Abalone..... | 15,470 | 176,040 |
| | All other..... | 6,351 | 242,636 |
| | Totals..... | \$689,386 | 39,557,342 |
| Santa Barbara..... | Abalone..... | \$116,382 | 945,577 |
| | Spiny lobster..... | 56,411 | 192,284 |
| | California halibut..... | 29,981 | 133,785 |
| | Sardine..... | 16,744 | 881,240 |
| | White seabass..... | 11,349 | 40,373 |
| | Shark..... | 10,595 | 161,156 |
| | Pacific mackerel..... | 9,881 | 584,678 |
| | Petrale sole..... | 9,779 | 100,605 |
| | Jack mackerel..... | 9,179 | 607,892 |
| | English sole..... | 6,737 | 104,285 |
| | Anchovy..... | 6,052 | 321,900 |
| | Rockfish..... | 5,163 | 157,292 |
| | Swordfish..... | 5,046 | 13,199 |
| | All other..... | 8,919 | 138,257 |
| | Totals..... | \$341,218 | 4,382,523 |
| Morro Bay..... | Abalone..... | \$95,688 | 696,680 |
| | Rockfish..... | 82,947 | 2,264,308 |
| | Crab..... | 32,474 | 225,513 |
| | Giant Pacific oyster..... | 28,040 | 1,395,025 |
| | Albacore..... | 25,194 | 169,885 |
| | Petrale sole..... | \$23,315 | 239,863 |
| | Salmon..... | 21,325 | 58,893 |
| | Perch..... | 8,861 | 40,157 |
| | Lingcod..... | 7,093 | 79,429 |
| | All other..... | 7,400 | 139,692 |
| | Totals..... | \$332,337 | 5,309,445 |
| San Simeon..... | Abalone..... | \$111,217 | 806,504 |
| | Totals..... | \$111,217 | 806,504 |
| All other ports..... | All other..... | \$5,121 | 23,572 |
| | Totals..... | \$5,121 | 23,572 |

TABLE 47

*Landings of the Commercial Fishing Boats and Shipments Into the Santa Barbara Region During 1956, Shown
by Port of Landing With the Corresponding Values*

TABLE 48

*Landings of the Commercial Fishing Boats and Shipments Into the Los Angeles Region During 1956,
Shown by Port of Landing With the Corresponding Values*

| | | Value | Pounds |
|--------------------------------|--------------|--------------|-------------|
| Los Angeles region totals..... | | \$37,792,479 | 447,690,196 |
| Terminal Island..... | | | |
| Yellowfin tuna..... | \$17,352,801 | 129,445,944 | |
| Skipjack..... | 8,469,023 | 74,696,374 | |
| Albacore..... | 5,003,051 | 27,548,831 | |
| Bluefin tuna..... | 1,483,716 | 11,367,498 | |
| Sardine..... | 1,226,640 | 48,103,535 | |
| Jack mackerel..... | 994,964 | 46,711,942 | |
| Pacific mackerel..... | 534,754 | 23,661,671 | |
| Anchovy..... | 150,067 | 12,005,371 | |
| Bigeye tuna..... | 85,128 | 665,582 | |
| Pismo clam..... | 15,812 | 735,432 | |
| Yellowtail..... | 13,198 | 144,876 | |
| Grouper..... | 6,248 | 33,232 | |
| All other..... | 3,682 | 61,513 | |
| Totals..... | \$35,330,084 | 372,181,801 | |
| San Pedro..... | | | |
| White seabass..... | \$144,137 | 603,589 | |
| California barracuda..... | 102,498 | 565,353 | |
| Spiny lobster..... | 86,978 | 163,584 | |
| Pacific mackerel..... | 64,565 | 2,856,865 | |
| Bluefin tuna..... | 61,867 | 473,713 | |
| Anchovy..... | 55,656 | 4,452,480 | |
| Yellowfin tuna..... | 53,767 | 380,293 | |
| Sardine..... | 51,358 | 2,014,021 | |
| Black sea bass..... | 45,937 | 299,266 | |
| Jack mackerel..... | 42,857 | 2,012,057 | |
| Rockfish..... | 37,232 | 370,337 | |
| Grouper..... | 33,320 | 177,232 | |
| California halibut..... | 30,402 | 118,479 | |
| Swordfish..... | 24,785 | 61,684 | |
| Albacore..... | 21,036 | 136,179 | |
| White croaker (kingfish)..... | 15,878 | 447,311 | |
| Seuljin..... | 14,632 | 59,845 | |
| Squid..... | 14,630 | 677,298 | |
| Yellowtail..... | 11,532 | 126,582 | |
| California pompano..... | 10,547 | 43,782 | |
| Shark..... | 10,071 | 93,569 | |
| Cabrilla..... | 9,395 | 63,438 | |
| All other..... | 18,119 | 160,581 | |
| Totals..... | \$963,199 | 16,367,537 | |
| Newport Beach..... | | | |
| Pacific mackerel..... | \$166,973 | 7,388,164 | |
| Abalone..... | 98,838 | 1,173,863 | |
| Jack mackerel..... | 75,646 | 3,551,140 | |
| Swordfish..... | 60,070 | 149,503 | |
| Spiny lobster..... | 48,432 | 91,089 | |
| Albacore..... | 22,616 | 128,135 | |
| Sardine..... | 13,511 | 529,835 | |
| White seabass..... | 11,117 | 46,553 | |
| Anchovy..... | 5,935 | 474,810 | |
| All other..... | 7,148 | 41,118 | |
| Totals..... | \$510,286 | 13,574,510 | |
| Long Beach..... | | | |
| Anchovy..... | \$244,778 | 19,582,260 | |
| Sardine..... | 76,559 | 3,002,302 | |
| Jack mackerel..... | 43,875 | 2,059,840 | |
| Spiny lobster..... | 27,944 | 52,556 | |
| Rockfish..... | 17,927 | 152,874 | |
| Pacific mackerel..... | 12,566 | 556,030 | |
| All other..... | 6,504 | 56,544 | |
| Totals..... | \$430,183 | 25,462,406 | |
| Wilmington..... | | | |
| Jack mackerel..... | \$99,931 | 4,691,583 | |
| Anchovy..... | 89,027 | 7,122,145 | |
| Pacific mackerel..... | 79,591 | 3,211,725 | |
| White croaker (kingfish)..... | 5,559 | 152,300 | |
| All other..... | 969 | 37,992 | |
| Totals..... | \$275,077 | 15,525,745 | |

TABLE 48

*Landings of the Commercial Fishing Boats and Shipments Into the Los Angeles Region During 1956, Shown by
Port of Landing With the Corresponding Values*

TABLE 48—Continued
**Landings of the Commercial Fishing Boats and Shipments Into the Los Angeles Region During 1956,
 Shown by Port of Landing With the Corresponding Values**

| | | Value | Pounds |
|-----------------|---------------|------------------|-----------|
| Los Angeles | Salmon | \$61,804 | 116,656 |
| | Sablefish | 56,884 | 309,972 |
| | Sturgeon | 14,734 | 23,601 |
| | Pismo clam | 9,783 | 455,040 |
| | All other | 44,918 | 170,857 |
| | Totals | \$188,123 | 1,076,126 |
| Santa Monica | Anchovy | \$33,375 | 2,669,995 |
| | Sardine | 10,151 | 398,089 |
| | Spiny lobster | 9,880 | 18,581 |
| | All other | 13,636 | 303,979 |
| | Totals | \$67,042 | 3,390,644 |
| Redondo Beach | Spiny lobster | \$5,908 | 11,111 |
| | All other | 4,532 | 62,096 |
| | Totals | \$10,440 | 73,207 |
| All other ports | Spiny lobster | \$5,457 | 10,263 |
| | All other | 3,618 | 27,957 |
| | Totals | \$9,075 | 38,220 |

TABLE 48
**Landings of the Commercial Fishing Boats and Shipments Into the Los Angeles Region During 1956, Shown by
 Port of Landing With the Corresponding Values**

TABLE 49
**Landings of the Commercial Fishing Boats and Shipments Into the San Diego Region During 1956,
 Shown by Port of Landing With the Corresponding Values**

| | | Value | Pounds |
|-------------------------|----------------------|---------------------|-------------|
| San Diego region totals | | \$19,082,960 | 144,645,675 |
| San Diego | Yellowfin tuna | \$8,648,882 | 63,965,600 |
| | Skipjack | 7,024,702 | 60,803,098 |
| | Albacore | 2,916,242 | 16,732,918 |
| | Bluefin tuna | 121,546 | 925,714 |
| | White seabass | 84,110 | 372,320 |
| | Spiny lobster | 56,454 | 105,719 |
| | California halibut | 32,753 | 148,204 |
| | California barracuda | 30,986 | 183,132 |
| | Abalone | 25,942 | 351,149 |
| | Swordfish | 20,733 | 49,910 |
| | Shark | 17,501 | 178,829 |
| | Jackknife clam | 9,689 | 26,683 |
| | Sculpin | 7,305 | 36,251 |
| | Yellowtail | 7,139 | 97,927 |
| | Rockfish | 6,023 | 71,314 |
| | All other | 18,453 | 446,270 |
| | Totals | \$19,028,460 | 144,495,038 |
| La Jolla | Spiny lobster | \$18,293 | 34,257 |
| | Totals | \$18,293 | 34,257 |
| Oceanside | Spiny lobster | \$8,039 | 15,054 |
| | All other | 5,678 | 38,318 |
| | Totals | \$13,717 | 53,372 |
| Cardiff | Spiny lobster | \$11,622 | 21,764 |
| | White seabass | 50 | 220 |
| | Totals | \$11,672 | 21,984 |
| All other ports | Spiny lobster | \$7,255 | 13,586 |
| | All other | 3,563 | 27,438 |
| | Totals | \$10,818 | 41,024 |

TABLE 49
**Landings of the Commercial Fishing Boats and Shipments Into the San Diego Region During 1956, Shown by
 Port of Landing With the Corresponding Values**

TABLE 50
The Recorded Statewide Catch, in Numbers of Fish, Made by Anglers Fishing From Licensed Party Boats¹ and the Number of Angler Days

| Species | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 |
|------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Albacore | 11,445 | 15,414 | 22,692 | 118,087 | 75,924 | 187,267 | 23,333 | 20,098 | 78,688 | 65,814 |
| Barracuda, California | 67,449 | 384,056 | 366,423 | 266,367 | 269,545 | 339,862 | 170,550 | 282,552 | 154,962 | 57,603 |
| Halibut, California | 104,436 | 143,462 | 104,659 | 85,935 | 50,265 | 31,158 | 34,292 | 50,674 | 35,802 | 21,661 |
| Rock bass ² | 689,789 | 630,223 | 796,959 | 619,397 | 781,069 | 535,832 | 711,395 | 876,667 | 497,313 | 470,382 |
| Rockfish | 193,652 | 410,665 | 570,657 | 679,164 | 721,808 | 706,004 | 696,480 | 1,149,367 | 1,737,707 | 2,036,708 |
| Salmon | 5,018 | 11,299 | 23,067 | 56,237 | 71,670 | 86,472 | 98,723 | 119,911 | 128,978 | 114,595 |
| Solefish, "white" | 20,724 | 24,078 | 65,545 | 55,718 | 44,957 | 41,453 | 38,152 | 41,588 | 30,165 | 39,165 |
| Yellowtail | 6,448 | 13,028 | 17,710 | 6,947 | 23,721 | 50,263 | 25,732 | 40,872 | 30,168 | 30,168 |
| All other | 387,971 | 477,884 | 372,132 | 313,437 | 302,405 | 313,971 | 480,471 | 633,808 | 415,832 | 417,388 |
| Total number of fish | 2,070,322 | 2,110,019 | 2,339,744 | 2,190,413 | 2,350,644 | 2,305,575 | 2,280,158 | 3,274,537 | 3,113,883 | 3,262,995 |
| Number of angler days | 359,436 | 407,757 | 469,915 | 544,284 | 556,949 | 562,589 | 562,146 | 532,190 | 496,286 | 523,063 |

¹ Does not include larges.² Rock bass includes two species, kelp bass (*Paralabrax clathratus*) and sand bass (*P. nobilis*).

TABLE 50
The Recorded Statewide Catch, in Numbers of Fish, Made by Anglers Fishing From Licensed Party Boats and the Number of Angler Days

TABLE 51
The Recorded Catch of Live Bait in Southern California Made by the Vessels Supplying the Party Boat Fleet
(Pounds)

| Species | 1952 | 1953 | 1954 | 1955 | 1956 |
|--------------------------------|------------|------------|------------|------------|------------|
| Anchovy..... | 13,620,879 | 12,783,016 | 13,372,042 | 12,250,890 | 12,663,614 |
| Croaker, white (kingfish)..... | 189,171 | 47,992 | 56,650 | 33,155 | 34,050 |
| Mackerel, jack..... | 33,126 | 1,414 | 405 | | |
| Queenfish..... | 233,545 | 94,411 | 67,258 | 57,571 | 6,600 |
| Sar file..... | 227,571 | 19,885 | 137,563 | 80,955 | 15,770 |
| Sardine, "firecrackers"..... | 25,649 | 11,345 | 2,880 | 37,259 | 270 |
| Smelt..... | 28,299 | 19,704 | 26,187 | 21,983 | 7,650 |
| Other species..... | 6,464 | | 8,786 | 3,767 | 225 |
| Total pounds..... | 14,364,704 | 12,977,747 | 13,671,771 | 12,485,580 | 12,728,179 |
| Number of boats reporting..... | 24 | 30 | 23 | 22 | 18 |

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TABLE 51
The Recorded Catch of Live Bait in Southern California Made by the Vessels Supplying the Party Boat Fleet