

# UC San Diego

## Fish Bulletin

### Title

Fish Bulletin No. 95. The Commercial Fish Catch of California For the Year 1952 with Proportion of King and Silver Salmon in California's 1952 Landings

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### Author

Staff of the Marine Fisheries Branch

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**STATE OF CALIFORNIA DEPARTMENT OF FISH AND GAME  
MARINE FISHERIES BRANCH  
FISH BULLETIN No. 95  
The Commercial Fish Catch of California For the Year 1952  
*with*  
Proportion of King and Silver Salmon in California's 1952 Landings<sup>1</sup>**



By  
*the Staff of the*  
1954

<sup>1</sup> Submitted for publication September, 1953.



FIGURE 1

FIGURE 1

## TABLE OF CONTENTS

	Page
Proportion of King and Silver Salmon in California's 1952 Landings -----	7
List of Common and Scientific Names of Fishes, Crustaceans and Mollusks -----	17
Explanation of Tables -----	20
Tables:	
Annual Landings and Shipments, 1916 through 1952 -----	20
Commercial Fish Landings and Shipments, 1952 -----	21
Value Commercial Fish Landings and Shipments, 1952 -----	22
Licensed Commercial Fishermen -----	23
Registered Commercial Fishing Vessels -----	24
Origin of Shipments, 1952 -----	26
Origin of Commercial Fish Landings, 1952 -----	28
Monthly Landings and Shipments, 1952—State-wide -----	30
Monthly Landings and Shipments, 1952, by Regions -----	33
Value and Poundage, Annual Landings by Regions, 1952 -----	48
Value and Poundage by Ports and Regions, 1952 -----	54
Marine Sport Catch, 1936-1940 and 1946-1952 -----	63
Live Bait Catch, 1948-1952 -----	64



## **FOREWORD**

It has been the purpose of the Catch Bulletins to present consistent tables of the commercial fish landings in California continuously from year to year. This bulletin is the fifteenth in the series which carries the historic record of the fisheries from 1926 through 1952. There is included in text and tables relevant information on such subjects as the marine sport catch, the live bait fishery and the census of the fleet and fishermen.

Credit for the collection of an increasingly improved record goes to the staff of the Wildlife Protection Branch and the Marine Fisheries representatives in the field offices. The compilation of material and publication of the bulletin is the responsibility of the staff of the statistical unit at the laboratory of the Marine Fisheries Branch at Terminal Island.

September, 1953



## **1. SPECIES PRESENT IN THE CALIFORNIA CATCH**

For all practical purposes the California salmon catch is composed of only two species. The king salmon, *Oncorhynchus tshawytscha*, usually comprises about 90 percent of the State's catch and 100 percent of the commercial river catch. The silver salmon, *Oncorhynchus kisutch*, makes up the remainder. In California a specimen of one of the other species of Pacific salmon is usually regarded as a mild curiosity.

The two California salmon are similar in appearance to anyone who is not thoroughly familiar with them, but they are quite different in habits and present radically different management problems. Some examples of these differences are given below:

California rivers produce the great bulk of the king salmon landed here, while Oregon streams produce most of the silvers landed in California. King salmon prefer larger rivers and are exceedingly abundant in the Sacramento-San Joaquin River system. Silver salmon prefer the smaller coastal streams, and it is rare for even a stray to be taken in the Sacramento-San Joaquin River system. The majority of California king salmon migrate to the ocean within a few months after they are hatched. All silver salmon stay in a stream until they are more than a year old. Most king salmon mature at four years; many at three years and many at five years; a few at two and six years of age. Silver salmon have a much less variable life history. In California practically all mature at three years except a few precocious males which spawn a year earlier. King salmon of the Sacramento River will average about 20 pounds at maturity and 40-pounders are not uncommon. Silver salmon will average 7 to 12 pounds at maturity and anything over 15 pounds is uncommon.

## **2. SEPARATION OF SPECIES BY DEALERS**

Legally each fish buyer is required to make a receipt for all fish purchased from the fishermen. This receipt must show, among other things, the pounds and price of each species delivered. The separation of salmon into the two species is, unfortunately, not at all trustworthy. It varies in reliability from dealer to dealer, port to port, and month to month. One reason for this is that the fish buyer is frequently a hurried and harried man. Salmon boats often arrive en masse and all of them want to be unloaded as quickly as possible. Market prices may force the dealer to separate the catch into silver salmon, small kings, medium kings, and large kings. There may be one or two "shorts" (salmon



below the legal size limit) which the dealer cannot legally purchase. Occasionally the job may be complicated still further by the presence of a halibut, lingcod, or rockfish in the catch, or by fish in such poor condition that the dealer will not accept them at the full market price. All of this has to be resolved in a very few minutes, and the temptation to simplify the paper work is understandable even though it is exasperating to people who need reliable statistics. Early in the season, when silvers are relatively scarce, many buyers will pay for them as small kings rather than weigh them out separately. If the market price for the two species is the same, the chances of the buyer weighing them separately are still further reduced. If the catch in an area is running over 90 percent kings, it will be classified as "salmon" without any prefix. It is not unusual for a month's catch receipts for a port to list perhaps 5,000 pounds of silvers, 5,000 pounds of kings, and 300,000 pounds of "salmon" (unclassified). It would be easy to assume from such figures that the unclassified salmon would be half silvers and half kings, but actually it would be more apt to be 95 to 99 percent kings.

In general, the greater the proportion of silver salmon being landed, the more reliable are the buyers' receipts. In Crescent City the proportion of silvers often exceeds 50 percent for extended periods, and the dealers do a reasonably good job of separation. Further south the proportion of silvers and the reliability of species separation decreases.

Until the buyers can be induced to fill out their individual receipts with more reliability, it will probably continue to be necessary for the statistical unit to publish only the combined landings of both species.

Notwithstanding the above difficulties, it has been necessary for the biological staff of the Marine Fisheries Branch to obtain a reasonably accurate idea of the amounts of king and silver salmon in the catches in various areas of the State. As power dams, irrigation canals, and pollution make inroads on the spawning area available to salmon, it becomes more and more necessary for the Pacific Coast states, Canada, and Alaska to manage their salmon supply as carefully as possible. As one phase of this management work, the three states have engaged in a large-scale salmon marking program in order to determine (among many other things) just what streams are producing the king and silver salmon landed in various ocean fisheries. This marking program has necessitated not only marking the small fish while they are still in fresh water, but carefully sampling the ocean catch at various ports from Central California to Alaska.

### **3. SALMON SAMPLING**

The salmon sampler's job includes keeping detailed records of any marked or tagged fish recovered, obtaining length measurements and scales from part of the fish sampled, and recording the number and weight of king and silver salmon in all boat loads which were examined. From the proportion of kings and silvers in the samples, we have calculated the total pounds of each species, area by area and month by month. King and silver salmon poundages included in this article are all for the year 1952. Similar (though somewhat less complete) sampling was done in 1950 and 1951.

#### 4. SEASONAL ABUNDANCE OF KING AND SILVER SALMON

Silver salmon are relatively short-lived fish with a life history which shows little variation. During their second year of life they are invariably far smaller than the 25-inch legal size limit; during their third year they are fished intensively for a few months; and at the end of that season, they spawn and die. When the commercial season opens on May 1st, only a small proportion of the silver salmon have reached 25 inches total length, but by mid-June, the majority are of legal size, and from that time until the close of the trolling season (September 30th) the silver salmon catch is made. In some seasons the fishermen do not seem to encounter any great number of silvers during May and early June. In other years they will encounter numbers of undersized fish which must, of course, be thrown back.

Figure 2 shows the growth of silver salmon during the fishing season. The data were accumulated from 974 fish taken by Fish and Game tagging crews during the periods 1939 to 1942 and 1948 to 1950. All suitable fish taken were tagged regardless of size; hence these measurements give a record of the small fish as well as of those of legal size. Note that 65 percent of the silvers taken in May were undersized. In June the undersized were down to 27 percent of the total, and for the remainder of the season only 9 to 13 percent were "shorts."

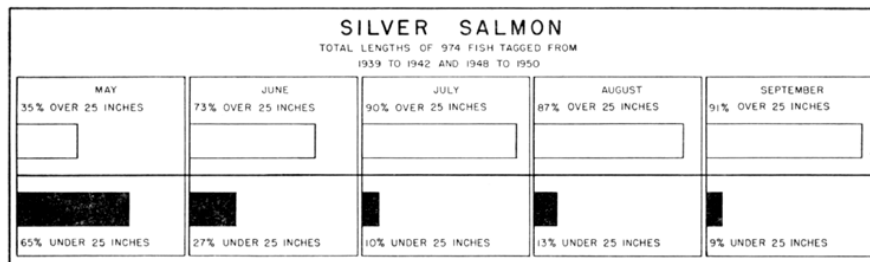


FIGURE 2. Proportion of legal sized and undersized silver salmon throughout the season. All marketable silver salmon are in their third year of life and are growing rapidly as the season progresses. Silvers in their second year are far below the 25-inch legal size limit, and almost no California silver salmon live to be more than three years old.

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As a rule, the king salmon is of legal size for more than a year; hence there are some available to be taken every month the season is open. The fastest growing kings reach the 26-inch size limit while in their second year. The majority of those which are in their third year are legal, and almost all older fish are well above legal size.

#### 5. ABUNDANCE BY AREA

Salmon are taken in numbers from Central California north to Alaska and south along the Asiatic Coast to Japan. California's salmon catch is almost all landed from Monterey north to Crescent City. The fishing boats make these catches from the vicinity of Monterey into southern Oregon. Some salmon are landed south of Monterey each season, but the poundages are always small. In 1952 these southern landings amounted to less than one-fifth of 1 percent of the State's total. Figure 3 shows the principal salmon landing ports of California.

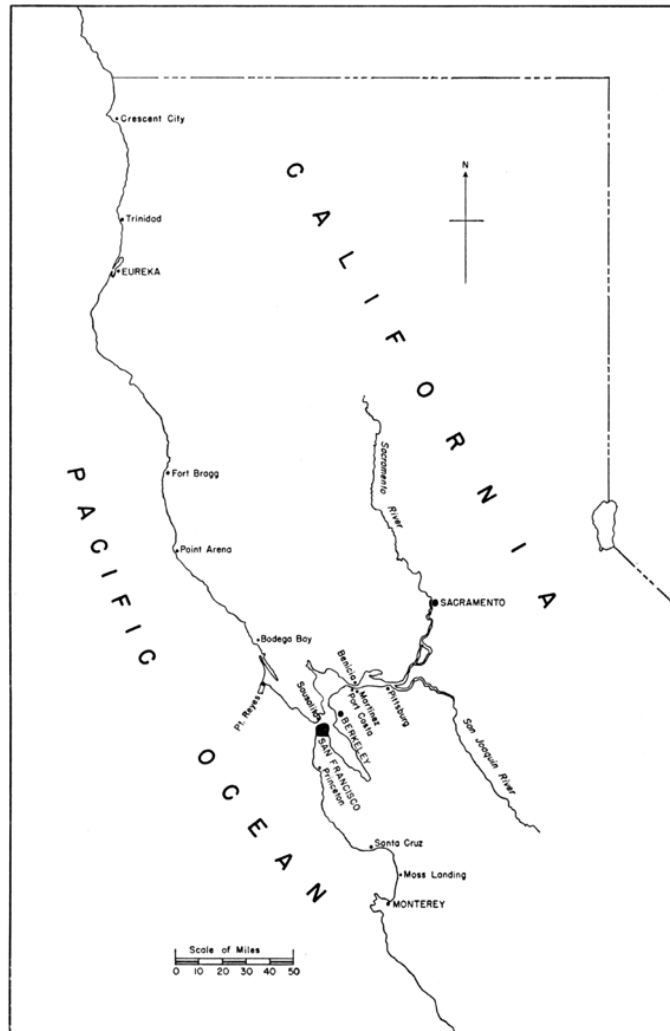


FIGURE 3. Salmon ports of California. This map shows only those ports which received more than 10,000 pounds of salmon during 1952.

*FIGURE 3. Salmon ports of California. This map shows only those ports which received more than 10,000 pounds of salmon during 1952*

On the West Coast of North America king salmon are taken in numbers from Monterey Bay to Alaska, and silver salmon are abundant from the extreme northern part of California north to Alaska. Crescent City is the only California port in which the catch of silver salmon habitually rivals that of kings. In 1952, the Crescent City catch was approximately 65 percent silvers by weight. The abundance of silvers steadily decreases to the south. In the San Francisco and Monterey areas these fish normally amount to less than 1 percent of the salmon catch.

Table 1 shows the 1952 catch of king and silver salmon by statistical regions. Since the variation in abundance of silvers within the Eureka Region is so great, Table 2 has been included to give a more detailed breakdown within this area. The Crescent City landings include only Crescent City, but those listed for Eureka include the nearby ports of Trinidad and Fields Landing. Fort Bragg catches include fish from Shelter Cove to Point Arena.

The sampling of the catches used in this study was done in the following places during the 1952 season:

### **5.1. Eureka Region**

Crescent City area; 9.8 percent of the catch was examined. The season's catch was 64.6 percent silver salmon by weight. Sampling was done at Crescent City and at Eureka. Many loads of fish landed at Crescent City were trucked to Eureka by the dealer and were sampled on arrival. In August the sampling of Crescent City fish was interrupted and the dealers receipts were used to separate kings from silvers.

Eureka area; 13.5 percent of the catch was examined. The season's salmon catch was 22.1 percent silvers by weight. Almost all the sampling was done at Eureka. A few fish were examined at Trinidad.

Fort Bragg area; 16.3 percent of the catch was examined; 5.0 percent by weight were silvers. All the sampling was done at Fort Bragg.

In the Eureka region as a whole, silver salmon were 29.7 percent of the seasonal total.

### **5.2. San Francisco Region**

11.7 percent of the catch was examined. Silver salmon were only 0.3 percent of the total. Most of the sampling was done at Point Reyes because over half of the region's salmon landings were delivered to this tiny port. Additional sampling was done at Princeton and at Bodega Bay. The port of San Francisco was avoided because landing points are so scattered that a sampler could intercept relatively few boat loads in a day. Only 14 percent of the region's salmon landings are delivered to the City of San Francisco.

### **5.3. Monterey Region and Southward**

16.5 percent of the catch was examined. Only 0.1 percent were silvers. Sampling was done at Moss Landing which is the central one of the Monterey region's three salmon ports. The regions south of Monterey received such small catches that they were not sampled.

Small *catches* of salmon were made in the vicinity of Avila and Morro Bay. In addition, a few *landings* of salmon were made in Southern California by boats which made their catches off northern or central

TABLE 1  
King and Silver Salmon Landed in California in 1952

		Jan. thru April	May	June	July	August	September	Oct. thru Dec.	Total
Eureka region.....	King.....	174,113	545,326	564,147	395,804	70,879	.....	1,750,269 lbs.	
	Silver.....	4,819	53,016	314,943	316,034	51,728	.....	740,540 lbs.	
	Total.....	178,932	598,342	879,090	711,838	122,607	.....	2,490,809 lbs.	
	Percent Silver.....	2.7	8.9	35.8	44.4	42.2	.....	29.7	
San Francisco region.....	King.....	343,999	810,809	911,666	291,776	570,464	.....	2,928,714 lbs.	
	Silver.....	0	1,625	1,827	1,172	4,021	.....	8,645 lbs.	
	Total.....	343,999	812,434	913,493	292,948	574,485	.....	2,937,359 lbs.	
	Percent Silver.....	0	0.2	0.2	0.4	0.7	.....	0.3	
Monterey region and south of Monterey.....	King.....	391,499	444,343	192,339	69,793	9,089	.....	1,107,063 lbs.	
	Silver.....	0	439	991	0	0	.....	1,430 lbs.	
	Total.....	391,499	444,802	193,330	69,793	9,089	.....	1,108,513 lbs.	
	Percent Silver.....	0	0.1	0.5	0	0	.....	0.1	
TOTAL OCEAN.....	King.....	909,611	1,800,478	1,668,152	757,373	650,432	.....	5,786,046 lbs.	
	Silver.....	4,819	55,100	317,761	317,206	55,749	.....	750,635 lbs.	
	Total.....	914,430	1,855,578	1,985,913	1,074,579	706,181	.....	6,536,681 lbs.	
	Percent Silver.....	0.5	3.0	16.0	29.5	7.9	.....	11.5	

TABLE 1  
King and Silver Salmon Landed in California in 1952

Sacramento region (inland waters)	King.....	11,376	4,950			23,820	698,025		738,171 lbs.
	Silver.....	0	0			0	0		0 lbs.
	Total.....	11,376	4,950			23,820	698,025		738,171 lbs.
	Percent Silver...	0	0			0	0		0
STATE TOTAL.....	King.....	11,376	914,561	1,800,478	1,668,152	781,193	1,348,457		6,524,217 lbs.
	Silver.....	0	4,819	55,100	317,761	317,206	53,749		750,635 lbs.
	Total.....	11,376	919,380	1,855,578	1,985,913	1,098,399	1,402,206		7,274,852 lbs.
	Percent Silver...	0	0.5	3.0	16.0	28.9	4.0		10.3

COMMERCIAL FISH CATCH OF CALIFORNIA FOR 1952

13

TABLE 1—Cont'd.

TABLE 2  
King and Silver Salmon Landings in the Eureka Region, 1952, by Local Areas

		May	June	July	August	September	Total
Crescent City area (includes Crescent City only)	King.....	7,417	59,815	120,637	101,302	21,215	310,386 lbs.
	Silver.....	222	4,295	244,946	273,892	43,465	566,820 lbs.
	Total.....	7,639	64,110	365,583	375,194	64,680	877,206 lbs.
	Percent Silver.....	2.9	6.7	67.0	73.0	67.2	64.6
Eureka area (includes Trinidad and Field's Landing)	King.....	12,309	198,104	79,109	119,163	16,598	425,283 lbs.
	Silver.....	150	38,297	45,081	55,594	1,445	120,365 lbs.
	Total.....	12,459	236,401	124,190	154,757	18,041	545,848 lbs.
	Percent Silver.....	1.2	16.2	36.3	23.0	8.0	22.1
Fort Bragg area (includes from Shelter Cove to Point Arena)	King.....	154,387	287,407	364,401	175,339	33,066	1,014,600 lbs.
	Silver.....	4,447	10,424	24,916	6,548	6,820	53,155 lbs.
	Total.....	158,834	297,831	389,317	181,887	39,886	1,067,755 lbs.
	Percent Silver.....	2.8	3.5	6.4	3.6	17.1	5.0
TOTAL.....	King.....	174,113	545,326	564,147	395,804	70,879	1,750,269 lbs.
	Silver.....	4,819	53,016	314,943	316,034	51,728	740,540 lbs.
	Total.....	178,932	598,342	879,090	711,838	122,607	2,490,809 lbs.
	Percent Silver.....	2.7	8.9	35.8	44.4	42.2	29.7

TABLE 2  
*King and Silver Salmon Landings in the Eureka Region, 1952, by Local Areas*

California and then went south to convert to albacore or other fishing. In the tables these catches were combined with those of the Monterey Region.

### 5.4. Sacramento Region

26.8 percent of the catch was examined. Only river-caught salmon are landed in this region. All the salmon are kings; hence there is no problem of species separation. Sampling (to determine the proportion of marked fish) was done during August and September, most of it at Pittsburg, some at Benicia, and a small amount at Martinez.

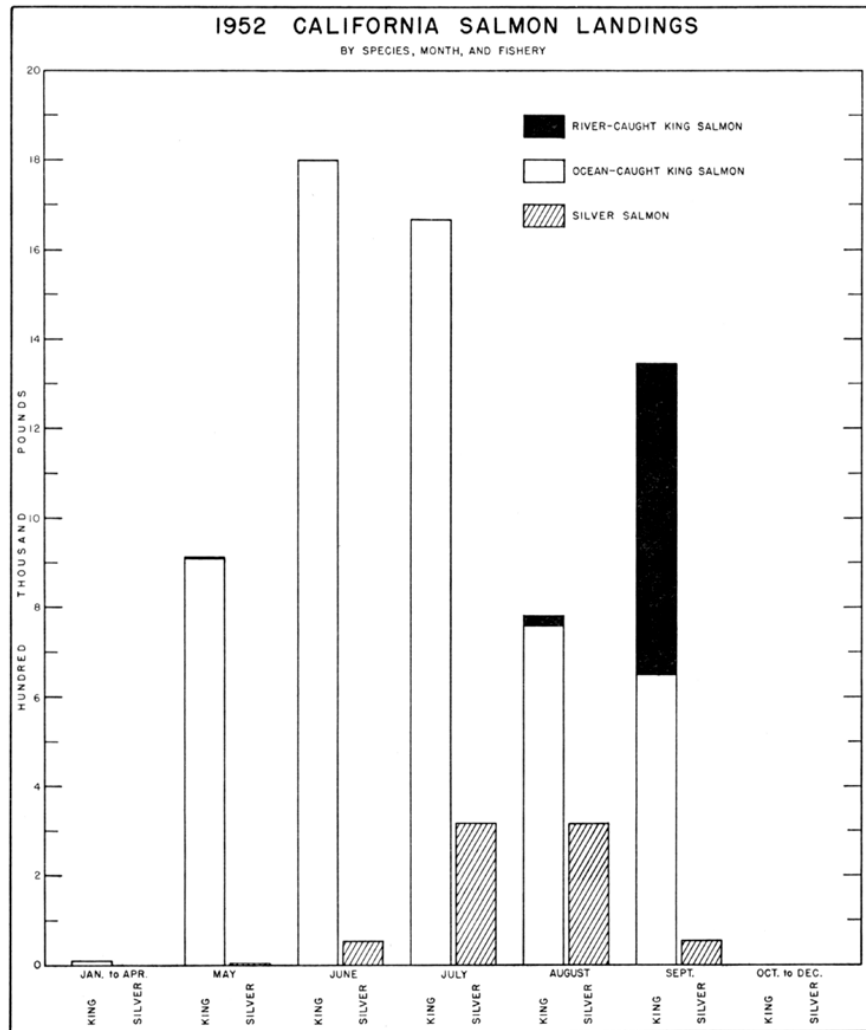


FIGURE 4. 1952 salmon landings by months, separated into ocean-caught kings, river-caught kings, and silvers. All California's commercially caught silver salmon are taken in the ocean. The ocean salmon season is open from May 1st through September 30th. The river season is open from January 1st through June 15th; from August 10th until sunrise September 26th; and from November 15th through December 31st. River fishing is prohibited from sunrise Saturday until sunset on the following Sunday.

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The combined poundages of king and silver salmon shown in Tables 1 and 2 were taken from dealers' landing receipts as are practically all records of California commercial fish landings. The proportion of king and silver salmon was obtained from the samplers' records, and the catch of each species calculated by applying this proportion to the combined landings of species. Being obtained from samples, such calculations can be no better than good approximations. The poundages of kings and silvers given in the tables were carried to the nearest pound only to make the tables balance.

## 6. 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	<i>Sphyraena argentea</i>
Bonito	<i>Sarda lineolata</i>
Cabezon	<i>Scorpaenichthys marmoratus</i>
Cabrilla	<i>Epinephelus analogus</i>
Carp	<i>Cyprinus carpio</i>
Catfish	
White catfish	<i>Ictalurus catus</i>
Brown bullhead	<i>Ameiurus nebulosus</i>
Corvina, Mexican	
Gulf corvina	<i>Cynoscion othonopterus</i>
Orangemouth corvina	<i>Cynoscion xanthulus</i>
Flounder	
Starry flounder	<i>Platichthys stellatus</i>
Small amounts of other flatfishes	
Flyingfish	<i>Cypselurus californicus</i>
Grouper	Species of <i>Mycteroperca</i>
Hake	<i>Merluccius productus</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	<i>Clupea pallasii</i>
Kingfish	
White croaker	<i>Genyonemus lineatus</i>
Queenfish	<i>Seriophilus politus</i>
Lingcod	<i>Ophiodon elongatus</i>
Mackerel, jack	<i>Trachurus symmetricus</i>
Mackerel, Pacific	<i>Pneumatophorus diego</i>
Mullet	<i>Mugil cephalus</i>
Perch	
Blacksmith	<i>Chromis punctipinnis</i>
Halfmoon	<i>Medialuna californiensis</i>
Opaleye	<i>Girella nigricans</i>
Surfperch	Members of family <i>Embiotocidae</i>
Pompano, California	<i>Palometa simillima</i>
Rock bass	
Kelp bass	<i>Paralabrax clathratus</i>
Sand bass	<i>Paralabrax nebulifer</i>
Rockfish	All species of <i>Sebastes</i> and <i>Sebastes</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	
Sardine	<i>Sardinops caerulea</i>
Sculpin	<i>Scorpaena guttata</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 shark	<i>Cetorhinus maximus</i>
Bonito shark	<i>Isurus glaucus</i>
Dogfish	<i>Squalus acanthias</i>
Leopard shark	<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 smelt	<i>Hypomesus pretiosus</i>
Topsmelt	<i>Atherinops affinis</i>
Sole	
English	<i>Parophrys vetulus</i>
Dover	<i>Microstomus pacificus</i>
Petrale	<i>Eopsetta jordani</i>
Rex	<i>Glyptocephalus zachirus</i>
Varying amounts of other species	
Splittail	<i>Pogonichthys macrolepidotus</i>
Sucker	<i>Catostomus occidentalis</i>
Swordfish	<i>Xiphias gladius</i>
Tomcod	<i>Microgadus proximus</i>
Tuna	
Albacore	<i>Thunnus germon</i>
Bigeye	<i>Parathunnus sibi</i>

Bluefin	<i>Thunnus saliens</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 starksi</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</i> sp.
Shrimp, bay	<i>Crago franciscorum</i>  <i>Crago nigricauda</i> <i>Squilla</i> sp.
Shrimp, ocean	<i>Pandalus jordani</i>  <i>Pandalus platyceros</i>
Abalone	
Pink	<i>Haliotis corrugata</i>
Red	<i>Haliotis rufescens</i>
Southern green	<i>Haliotis fulgens</i>
Clam	
Gaper	<i>Schizothaerus nuttalli</i>
Jackknife	<i>Tagelus californianus</i>
Japanese lit- tleneck	<i>Tapes semidecussata</i>
Pismo	<i>Tivela stultorum</i>
Washington	<i>Saxidomus nuttalli</i>
Mussel	<i>Mytilus californianus</i>  <i>Mytilus edulis</i>
Octopus	<i>Paroctopus apollyon</i>
Oyster	
Eastern	<i>Crassostrea virginica</i>
Pacific	<i>Crassostrea gigas</i>
Squid	<i>Loligo opalescens</i>

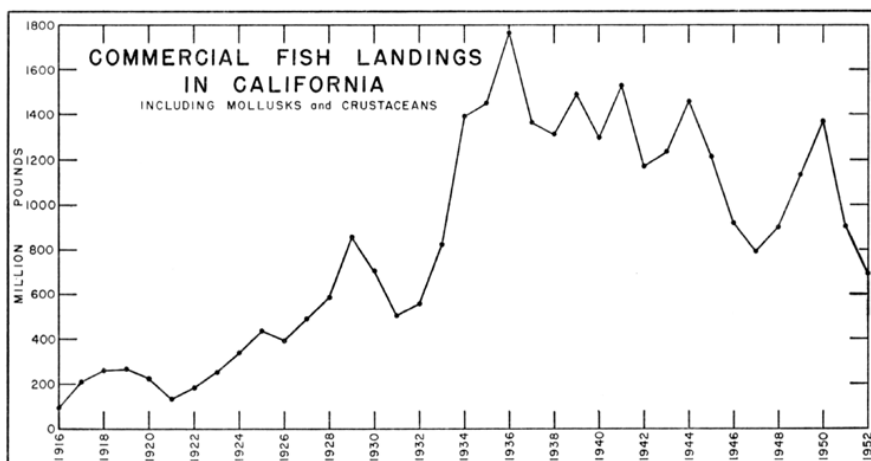


FIGURE 5. Total annual landings and shipments into California of commercial fish, mollusks and crustaceans. Includes sardine deliveries to reduction ships during 1930 through 1938. See Table 3.

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TABLE 3

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	182,343,333	1942	1,173,414,078
1923	253,874,581	1943	1,234,049,119
1924	340,445,919	1944	1,459,445,859
1925	437,502,232	1945	1,216,467,433
1926	394,964,393	1946	919,850,476
1927	487,166,143	1947	795,498,998
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	556,139,053	1952	694,976,990
1933	821,805,007		
1934	1,390,798,650		
1935	1,448,016,584		

TABLE 3

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

## 7. EXPLANATION OF TABLES

Beginning with records for the year 1926 we have published in the Catch Bulletins a series of tables which present all available records of landings of commercial fish, mollusks and crustaceans in California. We have also published tables on relevant subjects such as the number of boats in the fleet, a census of the commercial fishermen and the value of the catch to the fishermen.

The landing totals include two integrals, the poundage caught and landed by the California fleet of fishing vessels fishing in waters exploited by the fleet, and the shipments. The California fleet includes the California vessels plus those vessels from Oregon, Washington and Alaska which register to fish in California waters and deliver to California ports. The shipments include poundages originating in other states or foreign countries and delivered by common carrier to California ports. In the 1952 tables there is also included with the shipments a small poundage taken by California vessels in waters not currently exploited by the fleet.

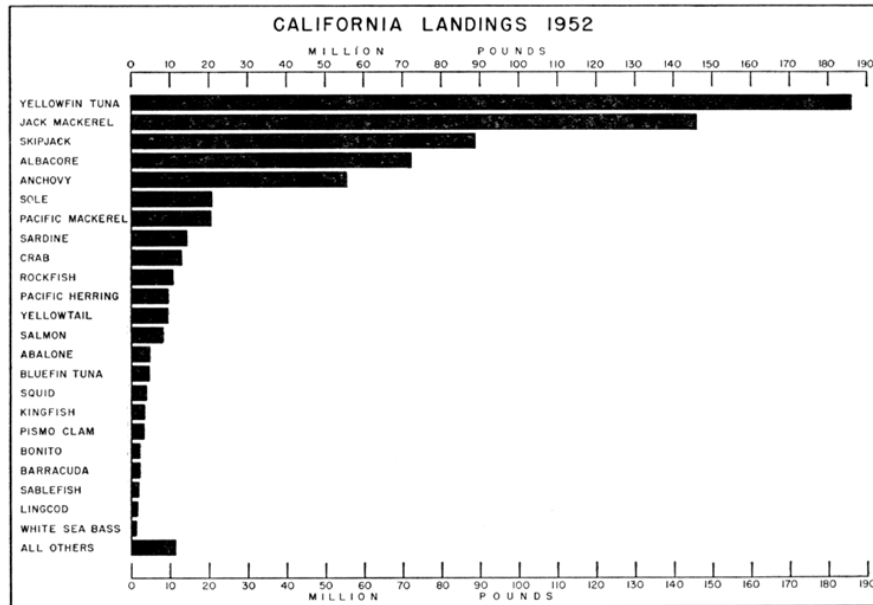


FIGURE 6. The relative landings in 1952 of the more important commercial species. Includes shipments with the catch of the California fleet. See Table 4.

FIGURE 6. The relative landings in 1952 of the more important commercial species. Includes shipments with the catch of the California fleet. See Table 4

TABLE 4  
Total Commercial Fish Landings and Shipments Into California During 1952

Species	Pounds	Species	Pounds
Yellowfin tuna	185,517,690	Squid	3,670,923
Jack mackerel	146,521,673	Kingfish	3,273,524
Skipjack	88,891,667	Pismo clam	3,192,254
Albacore	72,328,039	Bonito	2,144,823
Anchovy	55,782,870	Barracuda	2,094,793
Sole	20,920,033	Sablefish	1,889,589
Pacific mackerel	20,604,671	Lingcod	1,365,601
Sardine	14,330,420	White seabass	1,148,706
Crab	12,997,411	All others	11,149,189
Rockfish	10,722,880	Total pounds	694,976,990
Pacific herring	9,495,386		
Yellowtail	9,446,979		
Salmon	8,127,151		
Abalone	4,784,033		
Bluefin tuna	4,576,685		

TABLE 4  
Total Commercial Fish Landings and Shipments Into California During 1952

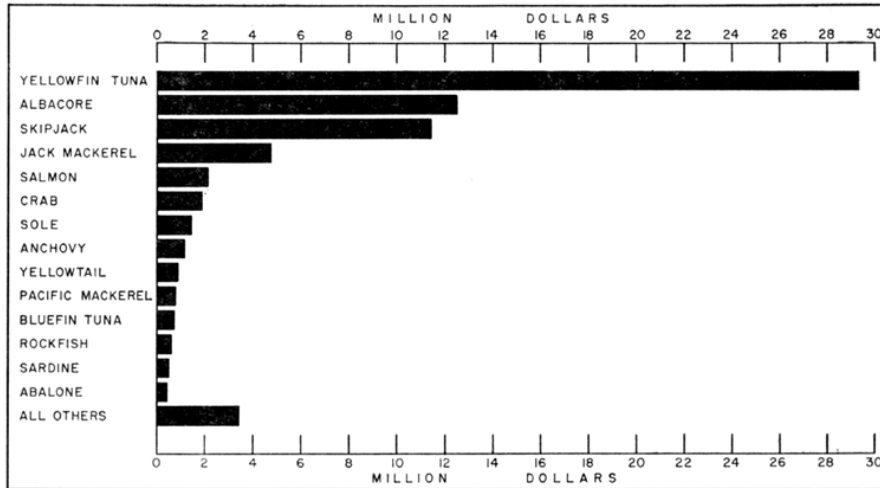


FIGURE 7. The relative value in 1952 of the more important commercial species. This chart is based on the figures in Table 5, which are derived from the comparable figures in Tables 5 and 20.

FIGURE 7. The relative value in 1952 of the more important commercial species. This chart is based on the figures in Table 5, which are derived from the comparable figures in Tables 5 and 20

TABLE 5  
Value of Commercial Fish Landings and Shipments Into California During 1952

Species	Value	Species	Value
Yellowfin tuna.....	\$29,336,957	Bluefin tuna.....	\$733,224
Albacore.....	12,515,283	Rockfish.....	610,175
Skipjack.....	11,424,498	Sardine.....	523,120
Jack mackerel.....	4,754,969	Abalone.....	431,004
Salmon.....	2,109,077	All others.....	3,408,534
Crab.....	1,893,011	Total value.....	\$71,982,774
Sole.....	1,429,984		
Anchovy.....	1,153,156		
Yellowtail.....	874,228		
Pacific mackerel.....	785,464		

TABLE 5  
Value of Commercial Fish Landings and Shipments Into California During 1952

The shipments are composed chiefly of frozen tuna destined for canning in the California plants. Our record does not include all of the fresh fish and shellfish brought into California for use in fresh state or the imported frozen packaged goods.

Weights are for whole fish and no adjustment is made when the original record occasionally shows items have been cleaned. In a few cases where it is known that all of the landings of a given species are cleaned in a like manner the cleaning loss can be estimated. This is true in the case of catfish where there is a known loss of 50 percent and the reported weight can safely be doubled to cover cleaning loss. Shellfish are frequently reported in numbers and the following conversion factors have been used to report the weight in the shell.

Crab, market	2 pounds each
Abalone, red	50 pounds per dozen
Abalone, pink	35 pounds per dozen
Abalone, green	35 pounds per dozen
Clam, gaper	2 pounds each
Clam, Mexican Pismo	8 pounds round weight per 1 pound cleaned weight
Clam, Washington	7 pounds per dozen

Halibut delivered in the San Francisco region is not always separated by species. Hence the total landed in that region is reported as 90 percent Pacific halibut and 10 percent California halibut. This proportion has been determined through periodic sampling of the landings by the biological staff.

The marine sport catch in Table 28 is given in numbers of fish for the reason that it is difficult to obtain the weight of catches made by the recreational fishermen. This record covers only that sport fish taken by the charter and party boats operating under permit and does not include the catch made from privately owned boats, from wharves or by the surf fishermen. The live bait record in Table 29 covers only that bait caught for the use of the marine sport fishermen by a group of boats which fish only for bait. The regular commercial fishing vessels catch and use their own bait and no record is available of the quantity.

## 7.1. Statistical Regions

The boundaries of the regions of landings shown in Figure 1 and in the tables are as follows:

Eureka region: Del Norte, Humboldt and Mendocino Counties.

Sacramento region: Sacramento and San Joaquin River systems with the delta areas, including Suisun Bay and Lake County.

San Francisco region: Sonoma, Marin, San Francisco and San Mateo Counties, including San Francisco and San Pablo Bays; Alameda and Contra Costa Counties to Carquinez Straits.

Monterey region: Monterey and Santa Cruz Counties.

Santa Barbara region: San Luis Obispo, Santa Barbara and Ventura Counties.

Los Angeles region: Los Angeles and Orange Counties.

San Diego region: San Diego and Imperial Counties.

TABLE 6

Yearly Number of Licensed Commercial Fishermen in California

1943-1944	11,804	1948-1949	14,261
1944-1945	10,871	1949-1950	14,962
1945-1946	11,747	1950-1951	14,600
1946-1947	12,312	1951-1952	13,193
1947-1948	12,894	1952-1953	11,566

TABLE 6

Yearly Number of Licensed Commercial Fishermen in California

TABLE 7

Number of Commercial Fishermen Licensed by Region in the 1952-1953 License Year

Region of residence	Number of fishermen, 1952-1953
Eureka	862
Sacramento	413
San Francisco	1,281
Monterey	940
Santa Barbara	448
Los Angeles	3,808
San Diego	2,746
Alaska, Washington and Oregon fishermen licensed in California	983
Mexican nationals licensed in California	85
Total	11,566

TABLE 7

Number of Commercial Fishermen Licensed by Region in the 1952-1953 License Year



TABLE 8  
 Yearly Number of Fishing Boats, Grouped According to Length

Season	Under 40 feet	40 to 84 feet	85 feet and over	Total
1943-1944.....	2,929	750	47	3,726
1944-1945.....	2,852	870	60	3,782
1945-1946.....	3,103	943	99	4,145
1946-1947.....	3,558	1,144	155	4,857
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

TABLE 8  
 Yearly Number of Fishing Boats, Grouped According to Length

**TABLE 9**  
**Number of Fishing Boats, Grouped by Length and Region of Home Port, During the 1952-1953 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.....	90	265	99	7	----	4	465
Sacramento.....	75	190	10	2	----	----	277
San Francisco.....	43	576	148	21	----	1	789
Monterey.....	106	243	61	30	7	----	447
Santa Barbara.....	39	121	81	3	----	----	244
Los Angeles.....	343	1,040	433	127	45	28	2,016
San Diego.....	124	313	174	25	31	120	807
Alaska, Washington and Oregon.....	----	31	305	37	6	6	405
Other registry.....	----	----	----	----	----	4	4
Total number of boats.....	820	2,779	1,311	272	109	103	5,454 <sup>1</sup>

<sup>1</sup> The owners of 587 of these vessels were issued fishing party permits.

**TABLE 9**  
**Number of Fishing Boats, Grouped by Length and Region of Home Port, During the 1952-1953 Season**

TABLE 10  
Origin of Shipments of Fresh Fish Into California During 1952

Shipped from	Shipped to					Total pounds
	Sacramento region	San Francisco region	Monterey region	Los Angeles region	San Diego region	
<b>Continental United States:</b>						
Carp.....	.....	.....	.....	2,784	.....	2,784
Calfish.....	478	977	.....	.....	.....	1,455
Eel.....	.....	.....	.....	2,350	.....	2,350
Tuna, albacore.....	.....	.....	.....	10,537	.....	10,537
Miscellaneous fish.....	.....	.....	.....	188,665	.....	188,665
<b>Oregon, Washington, British Columbia and Alaska:</b>						
Calfish.....	215	.....	.....	.....	.....	215
Halibut, Pacific.....	.....	4,000	.....	255,538	.....	259,538
Sablefish.....	.....	178,420	.....	367,302	.....	545,722
Salmon.....	.....	17,463	.....	834,662	.....	852,125
Sole.....	.....	.....	.....	240	.....	240
Tuna, albacore.....	.....	.....	.....	201,172	.....	201,172
Miscellaneous fish.....	.....	.....	.....	5,630	.....	5,630
<b>South of the international boundary:</b>						
Barracuda.....	.....	.....	.....	.....	587	587
Bonito.....	.....	.....	.....	.....	2,306	2,306
Corvina, Mexican.....	.....	.....	.....	.....	4,233	4,233
Halibut, California.....	.....	.....	.....	.....	219	219
Rockfish.....	.....	.....	.....	.....	2,695	2,695
Sea bass, black.....	.....	.....	.....	.....	4,556	4,556
Seabass, white.....	.....	.....	.....	.....	1,663	1,663
Smelt.....	.....	.....	.....	.....	563	563
Tuna, albacore.....	.....	.....	.....	.....	16,084	16,084
Tuna, skipjack.....	.....	.....	.....	.....	271,626	271,626
Tuna, yellowfin.....	.....	.....	.....	.....	2,332,818	2,332,818
<b>Mollusk:</b>						
Clam, Pismo.....	.....	.....	.....	3,192,284	.....	3,192,284

26 CALIFORNIA DEPARTMENT OF FISH AND GAME

TABLE 10  
Origin of Shipments of Fresh Fish Into California During 1952

South America:						
Swordfish.....	47,540					47,540
Tuna, skipjack.....	1,203,495	117,718	2,075,773	222,683		3,619,669
Tuna, yellowfin.....	736,540	1,160,498	2,718,361			4,615,399
Hawaii:						
Tuna, yellowfin.....			91,195			91,195
Japan:						
Tuna, albacore.....	2,483,117	1,152,073	17,583,190	1,077,075		22,297,455
Tuna, skipjack.....	118,887		145,359			264,246
Tuna, yellowfin.....	20,023		20,762			40,785
Miscellaneous fish.....			408			408
Mollusk:						
Clam, Japanese <sup>1</sup> .....	40,825	36,000				76,825
Total pounds.....	693	4,833,287	2,466,289	30,900,626	1,332,664	38,933,559

COMMERCIAL FISH CATCH OF CALIFORNIA FOR 1952

	Pounds		Pounds
Recapitulation:			
Barracuda.....	587	Salmon.....	832,125
Bonito.....	2,206	Sea bass, black.....	4,556
Carp.....	2,784	Sebass, white.....	1,663
Catfish.....	1,670	Smelt.....	563
Corvina, Mexican.....	4,253	Sole.....	249
Eel.....	2,350	Swordfish.....	47,540
Halibut, California.....	219	Tuna, albacore.....	22,325,548
Halibut, Pacific.....	259,538	Tuna, skipjack.....	4,155,541
Rockfish.....	2,695	Tuna, yellowfin.....	7,080,197
Sablefish.....	545,722	Miscellaneous fish.....	194,703
		Mollusk:	
		Clam, Japanese <sup>1</sup> .....	76,825
		Clam, Pismo.....	3,192,254
		Total pounds.....	38,933,559

<sup>1</sup> Cleaned weight, no conversion factor available.

27

TABLE 10—Cont'd.

TABLE 11  
Origin of the Commercial Fish Landings and Shipments Into California During 1952

Species	Fishing boat landings				Shipments <sup>a</sup>	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.....	55,782,870	-----	-----	55,782,870	-----	55,782,870
Barramunda.....	747,667	-----	1,346,539	2,094,206	587	2,094,793
Bonito.....	7,564	-----	2,135,013	2,142,577	2,206	2,144,783
Calceon.....	34,494	-----	-----	34,494	-----	34,494
Calhella.....	-----	-----	-----	374,333	-----	374,333
Carp.....	809,735	-----	574,353	809,735	2,784	812,519
Catfish.....	178,630	-----	-----	178,630	1,670	180,300
Corvina, Aleutian.....	-----	-----	-----	-----	4,233	4,233
Eel.....	-----	-----	-----	-----	2,330	2,330
Flounder.....	595,470	1,719	-----	597,189	-----	597,189
Flatfish.....	30,736	-----	-----	30,736	-----	30,736
Grouper.....	-----	-----	829,807	829,807	-----	829,807
Hake.....	6,145	-----	-----	6,145	-----	6,145
Halibut, California.....	473,629	-----	51,691	525,320	219	525,539
Halibut, Pacific.....	242,123	-----	-----	242,123	250,538	501,661
Hardhead.....	15,530	-----	-----	15,530	-----	15,530
Herring, Pacific.....	9,206,386	286,000	-----	9,492,386	-----	9,492,386
Kingfish.....	3,273,384	-----	140	3,273,524	-----	3,273,524
Lingcod.....	1,359,961	12,663	2,067	1,395,691	-----	1,395,691
Mackerel, jack.....	146,383,362	-----	136,311	146,521,673	-----	146,521,673
Mackerel, Pacific.....	20,604,451	-----	340,220	20,944,671	-----	20,944,671
Mullet.....	90,212	-----	-----	90,212	-----	90,212
Perch.....	297,227	-----	-----	297,227	-----	297,227
Pompano, California.....	32,124	-----	-----	32,124	-----	32,124
Rock bass.....	39,165	-----	47,580	86,745	-----	86,745
Rockfish.....	10,420,723	233,227	66,235	10,720,185	2,695	10,722,880
Sablefish.....	1,322,451	21,416	-----	1,343,867	845,722	1,889,589
Salmou.....	7,259,469	15,527	-----	7,275,026	862,125	8,137,151
Sanddab.....	658,742	1,132	-----	659,874	-----	659,874
Sardine.....	14,189,420	-----	141,000	14,330,420	-----	14,330,420
Sculpin.....	83,610	-----	-----	83,610	-----	83,610
Sea bass, black.....	5,372	-----	308,222	313,494	4,556	318,050
Sea bass, white.....	692,232	-----	451,811	1,144,043	1,663	1,145,706
Seatrout, greenling.....	483	-----	-----	483	-----	483

58 CALIFORNIA DEPARTMENT OF FISH AND GAME

TABLE 11  
Origin of the Commercial Fish Landings and Shipments Into California During 1952

Shad.....	640,277	----	----	640,277	----	640,277
Shark.....	611,831	----	11,407	623,238	----	623,238
Sheep-head.....	32,676	----	3,555	36,231	----	36,231
Sierra.....	----	----	2,549	2,549	----	2,549
Skate.....	138,624	----	92	138,716	----	138,716
Smelt.....	646,116	----	----	646,116	563	646,679
Sole.....	19,581,827	1,337,966	----	20,919,793	240	20,920,033
Split-tail.....	1,450	----	----	1,450	----	1,450
Sucker.....	6,674	----	3,216	6,674	47,540	6,674
Swordfish.....	202,474	----	----	265,690	----	313,290
Tonnoed.....	976	----	----	976	----	976
Tuna, albacore.....	23,102,341	3,389	26,697,091	49,802,791	22,525,248	72,328,039
Tuna, bluefin.....	607,215	----	3,669,470	4,276,685	----	4,276,685
Tuna, skipjack.....	534	----	84,735,592	84,736,126	4,155,541	88,891,667
Tuna, yellowfin.....	----	----	178,437,493	178,437,493	7,080,197	185,517,690
Turbot.....	81,884	----	----	81,884	----	81,884
Wahoo.....	----	----	5,383	5,383	----	5,383
Whitefish.....	132,115	----	----	152,115	----	152,115
Whitefish, ocean.....	2,083	----	6,725	8,808	----	8,808
Yellowtail.....	51,116	----	9,365,863	9,446,979	----	9,446,979
Miscellaneous fish.....	137,231	4,366	299	141,896	194,703	336,599
Crustacean:						
Crab.....	12,958,654	38,757	----	12,997,411	----	12,997,411
Crab, rock.....	16,977	----	----	16,977	----	16,977
Lobster, spiny.....	807,070	----	167	807,237	----	807,237
Penaeid.....	3,016	----	----	3,016	----	3,016
Shrimp, bay.....	912,558	----	----	912,558	----	912,558
Shrimp, ocean.....	205,485	----	----	205,485	----	205,485
Mollusk:						
Abalone.....	4,784,033	----	----	4,784,033	----	4,784,033
Clam, gaper.....	1,202	----	----	1,202	----	1,202
Clam, jackknife.....	50,096	----	----	50,096	----	50,096
Clam, Japanese <sup>1</sup> .....	----	----	----	76,823	----	76,823
Clam, Pismo.....	----	----	----	3,192,254	----	3,192,254
Clam, Washington.....	9,256	----	----	9,256	----	9,256
Mussel.....	552	----	----	552	----	552
Octopus.....	18,592	----	----	18,592	----	18,592
Oyster, eastern.....	160,757	----	----	160,757	----	160,757
Oyster, Pacific.....	188,655	----	----	188,655	----	188,655
Squid.....	3,670,923	----	----	3,670,923	----	3,670,923
Total pounds.....	344,664,488	1,956,102	309,402,841	656,023,431	38,953,559	694,976,990

<sup>1</sup> For origin of shipments refer to Table 10.  
<sup>2</sup> Cleaned weight, no conversion factor available.

TABLE 11—Cont'd.

TABLE 12  
Monthly Landings and Shipments Into California During 1952

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total lbs.
Fishing boat landings:													
Anchovy.....	19,266	88,783	1,888	626,191	1,327,226	3,819,538	6,368,251	6,018,493	2,528,819	19,857,671	11,705,680	4,029,991	55,782,870
Barracuda.....	178,843	195,682	271,000	294,488	401,027	303,999	61,107	181,238	150,021	96,735	21,675	105,359	2,091,296
Bonito.....	1,266	31,704	1,269	808	899	164	211,833	689,187	983,217	55,033	189,111	28,514	2,142,517
Californian.....	6,526	9,992	5,505	3,303	1,701	1,888	1,492	398	645	88	1,259	3,053	44,664
Califris.....	56,838	74,251	106,133	82,031	6,705	40,180	25,924	.....	.....	.....	51,708	.....	130,543
Carp.....	39,220	68,225	103,855	138,632	63,400	47,945	137,928	37,179	49,344	44,806	29,618	49,583	899,735
Cyllah.....	12,480	3,792	8,002	26,788	495	.....	.....	.....	.....	.....	.....	.....	178,600
Flounders.....	73,824	109,397	51,634	28,511	31,883	37,751	41,211	63,556	67,603	67,227	17,977	2,901	927,189
Flyingfish.....	.....	.....	.....	13,182	6,837	16,431	.....	.....	10,517	35	.....	.....	90,736
Groupers.....	120,666	100,684	95,951	83,747	9,984	17,621	30,535	.....	.....	.....	219	.....	829,897
Hake.....	.....	.....	1,405	455	.....	.....	.....	4,000	285	.....	.....	.....	6,145
Haitbat, California.....	40,769	98,799	70,747	67,923	43,698	26,475	27,019	37,989	19,710	35,778	30,285	27,148	525,311
Haitbat, Pacific.....	15,562	83,063	7,239	5,179	4,893	48,471	21,442	3,048	2,454	3,314	5,527	40,339	241,123
Hardhead.....	.....	.....	50	.....	.....	.....	.....	.....	.....	.....	2,355	.....	13,245
Herring, Pacific.....	1,667,722	1,698,421	155,750	291,191	1,637,491	1,317,000	1,777,135	481,093	583,100	2,750	17,691	34,619	9,495,386
Kingfish.....	12,482	67,953	48,614	113,293	130,385	283,411	220,008	589,084	656,614	715,169	219,460	226,734	3,273,554
Lingcod.....	32,979	67,288	57,862	101,635	113,132	170,904	225,206	189,591	157,699	190,878	103,093	26,944	1,368,651
Mackerel, jack.....	5,491,684	554,331	2,382,363	7,681,666	5,814,195	5,096,497	8,418,959	17,224,767	38,260,024	19,299,483	32,073,188	3,299,346	146,551,673
Mackerel, Pacific.....	397,510	18,829	51,223	100,716	327,471	1,925,757	6,286,000	3,561,916	2,217,780	3,297,794	1,723,137	152,588	20,694,671
Mullet.....	23,510	16,058	7,132	6,316	.....	.....	.....	.....	.....	.....	22,839	14,337	90,212
Pereh.....	13,393	14,412	41,017	49,212	1,911	60,625	42,106	25,221	14,366	14,922	12,270	7,471	297,227
Pompano, California.....	181	1,049	1,149	14,305	6,257	1,731	567	1,034	982	919	3,470	149	32,124
Rock bass.....	9,686	29,299	6,717	1,243	2,776	11,983	9,223	4,568	3,231	3,929	1,439	2,498	86,745
Rockfish.....	612,955	1,133,327	972,392	1,239,472	1,912,166	841,573	786,383	708,657	965,669	1,044,284	898,109	494,998	10,729,185
Salifish.....	69,903	128,481	71,153	168,677	100,235	174,803	191,928	109,219	188,244	123,600	64,460	22,334	1,481,867
Salmon.....	383	1,860	2,480	6,651	919,389	1,855,655	1,988,000	1,098,399	1,404,206	.....	.....	.....	7,275,026
Sardina.....	47,388	41,342	35,109	81,720	63,792	59,729	76,381	81,706	62,224	31,591	17,294	.....	659,874
Sardines.....	2,875,813	425,465	267,453	403,532	411,775	322,155	351,418	585,257	537,785	4,529,685	2,067,148	1,406,157	18,201,420
Scuprin.....	1,128	4,464	3,859	14,874	6,603	10,633	9,880	11,592	7,399	4,587	4,289	4,071	83,610
Sea bass, black.....	12,415	29,086	9,088	21,166	34,387	21,989	37,452	1,167	24,115	84,804	29,578	11,847	315,494
Seaman, white.....	26,847	75,681	24,691	38,411	152,505	122,629	206,419	188,838	144,538	111,546	18,243	36,912	1,147,043
Seatrout, greenling.....	15	216	.....	85	.....	.....	.....	.....	.....	.....	.....	.....	83
Shad.....	.....	.....	.....	296,829	299,486	.....	.....	.....	.....	.....	.....	.....	640,277
Shark.....	49,652	63,823	57,154	36,479	113,012	70,880	60,415	36,685	33,192	22,162	28,215	51,168	623,228
Sheep-head.....	8,892	3,032	381	65	.....	.....	.....	.....	.....	.....	.....	.....	38,231

CALIFORNIA DEPARTMENT OF FISH AND GAME

TABLE 12  
Monthly Landings and Shipments Into California During 1952

Sierra.....	809	501	708	416	115	2,549							
Skate.....	12,693	18,172	13,366	16,436	7,723	6,657	6,061	16,877	8,815	11,783	7,521	10,079	18,516
Snout.....	76,983	60,662	50,251	35,808	30,353	62,954	64,287	60,932	66,013	63,768	32,035	49,463	646,116
Sole.....	705,343	983,069	808,274	2,241,502	2,642,958	2,828,693	2,050,519	2,031,830	2,050,624	1,906,864	1,765,855	904,591	20,919,793
Spratling.....	296	266	120	30	20	20	20	20	20	20	20	20	1,490
Sucker.....	4,450	2,224	2,271	854	1,244	23,789	102,688	50,310	64,108	19,626	.....	.....	6,674
Swedfish.....	691	24	170	.....	.....	.....	.....	.....	.....	.....	.....	.....	285,690
Tanoid.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	676
Tuna, albacore.....	150	.....	.....	11,964	294,840	873,196	3,263,631	11,718,805	7,671,610	2,405,245	.....	528,331	49,892,791
Tuna, bluefin.....	1,290,800	1,874,972	2,455,430	3,383,035	4,599,461	6,872,619	8,061,612	10,804,841	12,160,995	12,223,620	8,130,012	12,869,820	84,736,126
Tuna, yellowfin.....	7,622,952	5,779,873	16,116,845	20,339,247	18,564,788	26,657,955	16,384,460	16,479,831	17,897,593	12,828,113	8,331,731	13,214,008	178,847,493
Turbot.....	4,482	15,257	7,879	10,992	6,032	1,660	8,121	5,263	6,381	6,655	7,203	1,950	81,884
Wahoo.....	7,640	15,812	15,839	29,103	314	3,292	1,837	20,874	3,847	243	1,053	18	5,353
Whitefish.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	189
Whitefish, ocean.....	2,023	2,738	1,177	245	49	339	11	105	14	304	838	805	8,508
Yellowtail.....	18,448	117,116	91,297	398,074	161,269	861,115	870,099	3,387,875	2,714,016	244,692	256,555	350,376	9,446,979
Miscellaneous fish.....	8,008	27,400	8,335	12,193	8,431	7,110	10,445	5,642	1,221	47,832	3,830	1,449	141,596
Crustacean:	2,046,782	2,021,526	1,508,834	1,901,208	1,180,925	352,903	315,731	.....	.....	2,048,488	1,624,044	12,997,411	.....
Crab.....	1,154	945	112	.....	.....	.....	.....	.....	.....	6,583	6,298	.....	10,927
Crab, rock.....	133,310	124,827	37,910	.....	.....	.....	.....	.....	.....	202,872	158,529	149,989	807,237
Crab, spiny.....	222	854	62	467	54	887	48	188	249	377	652	46	3,016
Crab, white.....	12,830	11,035	19,133	44,531	41,140	61,790	145,799	132,865	177,043	136,811	68,662	60,029	912,558
Shrimp, bay.....	.....	.....	.....	1,983	31,943	36,595	43,061	39,669	.....	42,187	.....	.....	295,455
Shrimp, ocean.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mollusk:	331,690	.....	304,098	499,010	762,398	458,275	600,471	337,514	414,452	417,636	348,982	309,697	4,784,033
Alaloe.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Clam, gaper.....	158	.....	270	229	276	220	.....	.....	.....	.....	89	89	1,302
Clam, geckho.....	920	1,705	2,538	3,719	8,696	6,883	7,372	7,847	5,319	2,711	1,391	977	50,096
Clam, Washington.....	385	4,424	1,441	378	.....	.....	.....	.....	.....	.....	653	653	957
Mussel.....	2,279	3,236	2,118	2,423	1,332	63	122	200	167	.....	.....	.....	582
Ostrea.....	17,779	16,440	18,548	18,874	14,033	7,710	8,746	7,879	9,999	12,471	11,983	16,328	160,737
Oyster, eastern.....	11,277	17,228	17,544	18,415	10,187	14,561	12,286	20,172	15,239	19,055	16,783	15,338	138,655
Oyster, Pacific.....	.....	555	37,098	291,497	118,835	518,780	648,010	697,075	871,088	151,671	323,244	380,560	3,670,923
Squid.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total pounds.....	24,422,340	16,344,544	26,437,136	41,211,095	42,019,992	54,460,811	69,370,456	85,082,911	97,230,219	85,171,653	74,321,433	39,953,051	656,023,431
Shipments:	.....	.....	.....	.....	72	.....	.....	.....	.....	.....	.....	.....	857
Barrameda.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,396
Bonito.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,784
Chop.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,670
Catfish.....	1,670	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4,233
Corvina, Mexican.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

COMMERCIAL FISH CATCH OF CALIFORNIA FOR 1952

31

TABLE 12—Cont'd.



TABLE 12—Continued  
Monthly Landings and Shipments Into California During 1952

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total lbs.
Eel										2,350			2,350
Halibut, California													219
Halibut, Pacific	45,910		26,148		26,281	12,968	51,473	74,855			17,853	4,000	239,538
Rockfish					1,660	1,055							2,715
Sablefish	20,160	30,708		54,758	35,591	29,060	35,140	43,369	110,049	80,885	55,467		545,722
Salmon	144,948	37,549	137,179	30,697	112,469	38,783	43,525	95,337	13,880	2,005	81,532	94,201	832,125
Sea bass, black							2,490	2,156					4,646
Sea bass, white							15						1,518
Snuff		563											563
Squid	240												240
Swordfish						47,849							47,849
Tuna, albacore	203,605	1,220,470	1,743,052	2,848,488	3,117,108	1,614,800	4,372,876	3,905,585	375,698		224,678	895,998	22,523,248
Tuna, skipjack	48,182	10,307	14,841	1,187,409	437,337	1,291,678	364,334	139,722	445,440	147,780			98,449
Tuna, yellowfin	284,698	345,725	418,733	591,554	1,191,588	599,945	487,999	373,154	1,479,862	739,678	40,154		135,950
Miscellaneous fish	28,810	5,514			8,350	35,273	2,005	438	23,811	20,420	55,650		14,490
Mollusk:													
Class, Japanese <sup>1</sup>				40,000	825								39,000
Class, Pismo	199,628	331,336	70,872		428,920	515,494	775,218	698,144	185,944	47,418			31,920
Total pounds	946,281	2,075,526	2,416,359	4,822,924	5,660,321	4,129,473	6,234,997	7,245,420	2,636,728	1,931,081	477,740	1,276,709	38,953,559
Grand total fishing boat landings and shipments	25,368,621	18,417,970	28,853,495	46,033,929	47,680,313	58,599,284	75,905,433	92,328,331	99,896,947	86,292,734	74,799,173	41,230,660	694,976,990

<sup>1</sup> For origin of shipments refer to Table 10.  
<sup>2</sup> Cleaned weight, no conversion factor available.

CALIFORNIA DEPARTMENT OF FISH AND GAME

TABLE 12  
Monthly Landings and Shipments Into California During 1952

TABLE 13  
Monthly Landings of the Commercial Fishing Boats in the Eureka Region During 1952

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total lbs.
Fishing boat landings from California waters:													
Carp.....	33,206	12,731	3,877	1,638	15,956	39,600	79,976	41,115	37,133	36,345	5,720	200	79,376
Halibut, Pacific.....	55,441	5,100	18,531	34,939	3,523	46,340	13,917	333	775	56,157	-----	-----	253,629
Herring, Pacific.....	2,132	18,531	9,101	34,939	71,630	83,140	70,125	84,124	84,678	93,325	50,060	4,614	60,541
Langcod.....	117	682	13,741	11,854	3,001	-----	3,001	6,191	1,233	1,518	438	60	38,785
Rockfish.....	90,615	241,161	116,411	346,597	191,761	307,727	155,128	196,337	237,772	315,217	278,645	51,306	2,401,967
Sablefish.....	15,604	32,610	21,361	53,107	50,290	102,265	59,336	41,832	96,437	107,923	45,379	9,932	630,685
Salmon.....	10,239	9,581	3,087	11,198	178,932	598,342	898,927	708,863	120,218	107,923	2,363	200	2,475,282
Sandlabb.....	77	150	17	90	9,301	15,609	16,221	12,330	13,635	7,784	2,363	200	111,608
Shark.....	-----	-----	-----	-----	-----	-----	-----	10	586	650	4,311	40	5,691
Skate.....	-----	649	-----	868	8,727	18,612	23,789	26,700	19,427	2,620	490	-----	400
Smelt.....	327,048	418,118	299,442	1,053,492	1,898,810	2,039,650	1,378,099	1,432,830	1,514,183	1,462,464	1,442,512	637,518	104,401
Sole.....	635	-----	170	-----	-----	-----	-----	-----	-----	-----	-----	-----	13,631,266
Tomcod.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	806
Tuna, albacore.....	1,377	3,121	697	85	-----	-----	1,300	762,069	2,081,799	576,093	29,865	2,822	3,452,648
Turbot.....	4,658	12,499	8,968	13,160	14,116	10,002	13,087	2,721	375	1,372	744	250	9,422
Whitebait.....	2,901	4,752	1,115	4,851	3,369	1,434	649	81	154	41,839	3,326	-----	85,191
Miscellaneous fish.....	1,788,132	1,796,056	1,440,407	1,791,766	1,121,834	255,883	100,007	1,501	140	-----	35,869	599,247	61,601
Crustacean:	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	8,959,221
Crab.....	-----	-----	-----	-----	1,466	830	239	-----	-----	-----	-----	-----	3,876
Shrimp, ocean.....	385	4,434	1,441	378	-----	-----	-----	-----	325	652	663	987	9,256
Mollusk: Washington.....	233	148	889	125	-----	-----	-----	-----	-----	75	73	-----	1,073
Octopus.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Total pounds.....	2,332,941	2,568,273	1,920,224	3,324,148	3,570,864	3,448,324	2,819,826	3,290,237	4,236,160	2,648,658	1,908,978	1,307,276	33,370,609

TABLE 13  
Monthly Landings of the Commercial Fishing Boats in the Eureka Region During 1952

TABLE 13—Continued  
 Monthly Landings of the Commercial Fishing Boats in the Eureka Region During 1952

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total lbs.
Fishing boat landings from waters north of State boundary:													
Pounder.....	325	2,344	1,406	1,565	1,552	779	539	732	75	858	363	41	1,719
Lingcod.....	1,112	38,886	7,269	3,151	2,693	1,056	1,544	10,691	1,262	1,262	180	41	12,603
Rockfish.....	158,820	2,640	7,123	1,784	2,639	4,477	9,395	1,119	542	2,549	2,549	---	233,227
Salmon.....	---	---	---	---	---	10,163	492	2,973	2,339	---	---	---	21,416
Sanddab.....	241	---	160	---	---	279	452	---	---	---	---	---	1,132
Sole.....	44,997	80,166	341,441	91,448	168,886	167,447	186,720	76,088	42,687	42,687	90,785	44,288	1,337,966
Miscellaneous fish.....	---	---	---	2,394	---	---	2,364	1,025	1,972	---	---	---	3,389
Crustacean:													
Crab.....	---	---	5,697	23,137	8,420	---	1,233	---	---	---	---	---	38,757
Total pounds.....	292,466	150,036	380,536	108,795	175,170	185,926	208,108	93,433	47,396	93,877	44,309	44,309	1,670,102
Grand totals, Eureka region.....	2,332,941	2,765,769	3,704,684	3,679,659	3,623,494	3,065,752	3,408,345	4,329,613	2,696,054	2,696,054	2,092,865	1,351,585	35,041,011

TABLE 13  
 Monthly Landings of the Commercial Fishing Boats in the Eureka Region During 1952

TABLE 14  
 Monthly Landings and Shipments of Commercial Fish Into the Sacramento Region During 1952

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total lbs.
Fishing boat landings from California waters:													
Carp.....	36,368	51,510	75,446	119,871	54,937	38,763	46,189	27,679	39,384	27,896	14,818	48,483	581,305
Catfish.....	12,480	3,792	6,626	26,788	406	.....	.....	.....	30,082	31,040	34,628	31,322	177,464
Hardhead.....	.....	.....	.....	6,657	4,950	.....	.....	.....	.....	.....	2,255	13,245	25,590
Shad.....	385	1,860	2,180	.....	.....	.....	.....	23,820	698,025	.....	.....	.....	730,825
Spittail.....	285	366	3,817	206,727	306,486	.....	.....	.....	648	.....	.....	.....	611,040
Tuna, albacore.....	.....	.....	120	30	.....	.....	.....	.....	.....	1,510	8,000	.....	9,510
Miscellaneous fish.....	.....	.....	.....	118	19	.....	.....	.....	265	8	.....	.....	410
Total pounds.....	49,519	57,528	88,789	420,245	420,798	38,763	46,189	51,499	788,404	60,424	59,701	93,050	2,163,900
Shipments: <sup>1</sup>													
Catfish.....	693	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	693
Total pounds.....	693	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	693
Grand totals, Sacramento region.....	50,212	57,528	88,789	420,245	420,798	38,763	46,189	51,499	788,404	60,424	59,701	93,050	2,164,593

<sup>1</sup> See Table 10 for origin of shipments.

TABLE 14  
 Monthly Landings and Shipments of Commercial Fish Into the Sacramento Region During 1952

TABLE 15  
Monthly Landings and Shipments of Commercial Fish Into the San Francisco Region During 1952

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total lbs.
Fishing boat landings from California waters:													
Anchovy.....	4,080	385	25,560	133,830	67,990	19,480	500,393	1,169,409	2,219,615	1,690,343	5,831,115		5,831,115
Cabezon.....	179	2,444	81	301	660	394	50			83	1,590		6,132
Calfish.....	1,196	49,968	23,461	11,164	4,710	6,162	23,989	30,937	31,204	11,434	2,965		1,196
Flounder.....	39,062	93,346	565	455				285					39,062
Hake.....													1,905
Halibut, California.....	1,732	9,266	804	140	237	836	345	183	351	659	4,482		19,659
Halibut, Pacific.....	15,592	83,693	7,239	5,170	2,131	7,626	3,285	1,649	3,157	5,027	40,339		176,938
Herring, Pacific.....	1,910	1,683,264	9,145	731	885	523	1,332	1,369	2,958	1,715	1,715		33,334
Lingcod.....	22,960	39,763	40,050	49,086	31,198	67,634	131,005	60,748	58,789	48,390	32,115		563,863
Mackerel, jack.....	3,710	5,682	11,751	23,982			142	1,969	382				2,111
Mackerel, Pacific.....	23	28	205	100			4,082	10,333	6,382	6,984	2,908		8,792
Pompano, California.....	69						20	80	27				598
Rock bass.....													96
Rockfish.....	195,810	266,482	374,394	387,801	471,131	290,100	189,340	146,501	287,223	329,720	329,835		3,580,330
Salmon.....	13,197	2,114	8,863	32,927	33,699	812,413	933,589	292,948	574,485	7,728	3,785		4,830
Sanddab.....	23,630	21,073	15,621	28,740	30,063	23,113	34,990	47,709	25,071	30,535	24,929		2,457,333
Seabass, white.....	1,691	258					223	785	1,288	1,335	1,115		332,637
Shark.....	94,677	97,069	19,676	1,949	135	5,728	5,197	90,595	17,265	7,908	1,940		192,602
Sheepshead.....	11,655	16,355	12,586	11,615	6,130	5,356	6,830	11,160	6,848	9,688	7,625		114,878
Snout.....	32,647	45,719	36,652	24,664	21,794	16,415	21,935	27,126	31,088	31,088	3,731		281,560
Sole.....	358,791	417,130	283,006	463,204	416,468	330,837	335,496	295,138	333,007	302,347	105,182		3,967,804
Tomcod.....	55	24								21	70		170
Tuna, albacore.....	2,905	11,607	6,083	8,431	5,413	1,669	2,517	73,871	2,043,166	2,676,127	269,631		5,199,884
Turbot.....	3,002	3,232	6,432	15,605	13,401	13,198	6,821	5,032	5,071	5,261	4,336		64,304
Miscellaneous fish.....	4,886	10,116	6,790	1,085	414	435	9,473	5,483	793	568	290		64,712
													41,552

TABLE 15  
Monthly Landings and Shipments of Commercial Fish Into the San Francisco Region During 1952

Crustacean:	251,915	186,560	40,187	62,124	42,763	65,533	214,129	132,865	177,943	480	2,011,683	1,020,041	3,894,965
Crab, rock.....	12,830	11,035	19,153	44,531	41,140	61,790	145,799	132,865	177,943	136,811	68,662	60,029	480
Shrimp, bay.....	.....	.....	.....	.....	.....	.....	2,850	815	.....	.....	.....	.....	912,558
Shrimp, ocean.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3,065
Mollusk:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Alakone.....	1,060	1,838	920	550	.....	330	1,205	975	.....	1,275	588	.....	4,923
Octopus.....	17,770	16,440	18,548	521	308	224	550	375	104	442	368	155	6,865
Oyster, eastern.....	11,277	17,328	17,844	18,574	14,003	7,710	8,746	7,879	9,999	12,471	11,980	16,328	190,757
Oyster, Pacific.....	.....	.....	.....	18,415	10,187	10,581	5,821	11,072	7,560	11,682	9,176	6,735	137,468
Total pounds.....	2,562,060	2,076,358	978,761	1,280,115	1,612,018	1,842,397	2,133,472	1,702,576	4,814,999	5,882,558	4,706,453	1,876,168	32,268,405
Shipments: <sup>1</sup>	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Halibut.....	977	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	977
Salmon.....	10,190	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4,000
Sablefish.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	178,430
Swedfish.....	.....	4,846	8,308	.....	2,000	.....	.....	.....	79,945	50,745	37,540	.....	17,463
Tuna, albacore.....	.....	100,000	.....	.....	.....	47,540	.....	.....	.....	.....	.....	.....	47,540
Tuna, skipjack.....	.....	.....	.....	.....	.....	40,450	492,297	970,983	108,680	.....	.....	684,698	2,484,117
Tuna, yellowfin.....	.....	.....	.....	.....	.....	1,155,200	79,340	.....	48,295	.....	.....	.....	1,322,382
Mollusk:	.....	.....	.....	.....	.....	133,960	.....	.....	202,580	.....	20,023	.....	756,563
Clam, Japanese <sup>2</sup> .....	.....	.....	.....	40,000	825	.....	.....	.....	.....	.....	.....	.....	40,825
Total pounds.....	11,167	104,846	8,308	40,000	441,772	1,377,150	572,237	970,983	527,509	50,745	59,872	688,698	4,853,287
Grand totals, San Francisco region.....	2,573,227	3,081,204	987,069	1,320,115	2,053,790	3,219,517	2,705,709	2,673,559	5,342,508	5,933,303	4,766,825	2,564,866	37,221,692

<sup>1</sup> See Table 10 for origin of shipments.  
<sup>2</sup> Cleaned weight, no conversion factor available.

TABLE 15—Cont'd.

TABLE 16  
Monthly Landings and Shipments of Commercial Fish Into the Monterey Region During 1952

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total lbs.
Fishing boat landings from California waters:													
Anchovy.....		920		1,425	9,500	2,512,960	4,926,001	4,256,354	161,810	15,696,108	9,085,504	3,084,373	39,735,555
Brexit.....		3,524	4,036	2,316	849	865	1,220	202	480	58	1,033	1,408	18,699
Calceon.....		1,193	405	181	11	21	384	72	25		793	46	3,131
Flounder.....								4,000					4,840
Hake.....													
Halibut, California.....	1,919	1,626	718	1,028	140	1,288	4,833	871	1,746	550	2,467	5,838	23,074
Herring, Pacific.....		8,863	10,020	30,339	8,855	21,443	17,777,330	481,063	585,100	37,648	44,191	21,512	5,901,212
Kingfish.....	4,539	4,216	5,029	11,512	5,186	10,255	11,284	8,530	12,087	6,727	8,782	6,961	370,663
Langcod.....	4,781	88	60,160	12,894	485	38	180,375	805	145	188			95,371
Mackerel, jack.....													273,778
Mackerel, Pacific.....				8,250			226,646	17,520					252,416
Perch.....	621	794	2,706	7,724	10		6,343	394	785		1,136	283	21,649
Pompano, California.....	10	57	608	11,621	287	192	24	22	22	27	3,050	29	15,927
Rockfish.....	231,531	330,652	376,469	450,583	256,223	291,575	368,232	354,238	332,785	365,978	251,747	113,845	3,666,588
Sablefish.....	38,448	93,337	41,047	74,708	35,506	22,713	36,115	31,413	33,221	6,172	10,690	7,711	433,081
Salmon.....					391,484	434,579	189,885	69,518	9,089	16,918	3,288		1,093,955
Sanddab.....	9,644	8,013	14,846	38,162	17,284	20,578	24,709	20,761	22,211			1,649	188,003
Sardine.....		3,600	25	8,340	850	650	8,400	5,621	1,500	340	1,400		24,740
Seabass, white.....	73					71	12,417	10	18	119	1,669	1,719	23,096
SeatROUT, greenling.....		137		85									369
Shad.....			145	92									237
Shark.....	1,655	9,144	400	725	54	1,976	4,271	3,174	1,042	56	997	14,524	28,018
Skate.....	149	325	1,988	3,601	1,308	965	65	4,660	1,260	1,137	11,887	945	16,540
Swordfish.....	1,110	573	93,116	7,074	160,391	17,355	18,292	4,396	37,687	86,030	28,084	3,494	101,360
Sole.....	12,340	59,169		221,860		199,379	103,393	74,666					1,069,812
Swordfish.....													127
Tuna, albacore.....		160		113			120,316	173,236	1,059,795	1,002,796	521,801	100,505	2,978,549
Whalefish.....		81		306	45		110	110	110	1,330	18	21	1,184
Whitetail.....				396	112	58							2,732
Miscellaneous fish.....													

TABLE 16  
Monthly Landings and Shipments of Commercial Fish Into the Monterey Region During 1952

Crustacean:	3,352	3,477	1,130	881	180	40	2	108	249	377	708	1,689	11,549
Crab.....	222	354	62	497	54	387	48	.....	.....	.....	632	46	3,016
Prawn.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mollusk:	1,110	136	270	229	276	220	.....	.....	.....	.....	40	40	1,202
Clam, gaper.....	.....	.....	.....	1,326	845	1,250	17	.....	.....	.....	.....	.....	1,253
Onoypus.....	.....	899	57,698	291,497	118,855	518,759	648,019	600,445	598,198	126,700	323,824	289,785	3,456,553
Squid.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total pounds.....	315,098	591,464	635,976	1,310,044	2,622,148	5,287,707	8,694,220	6,123,655	3,043,335	17,369,573	10,307,912	3,697,444	59,598,516
Fishing boat landings from waters south of the international boundary:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tuna, skipjack.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tuna, yellowfin.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tuna, yellowfin.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total pounds.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Shrimps:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tuna, albacore.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tuna, skipjack.....	.....	.....	.....	.....	.....	.....	442,854	799,219	.....	.....	.....	.....	1,132,073
Tuna, yellowfin.....	.....	.....	.....	.....	.....	.....	.....	.....	117,718	.....	.....	.....	117,718
Clam, Japanese <sup>2</sup> .....	.....	.....	.....	164,138	162,504	.....	.....	.....	693,782	99,187	.....	130,887	1,160,498
Total pounds.....	.....	.....	.....	164,138	162,504	.....	442,854	799,219	721,500	99,187	.....	166,887	2,495,289
Grand totals Monterey region.....	315,098	591,464	635,976	1,474,182	2,784,652	5,287,707	9,137,074	6,842,957	3,794,835	17,599,656	10,307,912	3,834,331	62,575,844

<sup>1</sup> See Table 10 for origin of shipments.  
<sup>2</sup> Cleaned weight, no conversion factor available.

TABLE 16—Cont'd.



TABLE 17  
Monthly Landings of the Commercial Fishing Boats in the Santa Barbara Region During 1952

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total lbs.
Fishing boat landings from California waters:													
Anchovy.....	14,450	1,023	102	130,085	478,055	851,255	879,835	1,098,675	912,080	1,278,572	650,570	740,020	7,933,577
Barracuda.....	3,041	3,024	1,388	16,509	73	785	785	6,400	682	118	118	23,123	49,766
Chubmuss.....	25,882	35,743	14,046	14,429	11,066	8,830	9,237	21,413	10,968	12,713	12,247	14,860	10,063
Habitat, California.....	155	100	9	499	56	18,300	61,384	61,384	14	14	100	642	18,555
Herring, Pacific.....	105	487	1,300	499	3,146	7,190	12,635	14,380	85	85	1,100	1,100	63,437
Kingfish.....	2,087	3,056	311,330	1,321,365	1,162,140	2,482,000	326,969	144,380	1,082,200	1,182,265	725,065	50,430	10,676,770
Mackerel, jack.....	2,008	1,089	1,827	1,218	1,600	17,946	3,089	5,071	1,118	424	256	352	16,432
Mackerel, Pacific.....	465	398	12	30,185	45,716	37,297	26,307	13,025	5,029	5,300	4,883	6,684	3,373
Perch.....	17,269	24,120	14,446	30,185	45,716	37,297	26,307	13,025	5,029	5,300	4,883	6,684	298,438
Rock bass.....	29	105	154	154	15	3,176	3,618	275	32	32	25	25	7,084
Salmon.....	87	141	137	905	324	63	124	236	289	677	75	125	4,543
Sanddab.....	106,287	11	2,103	9,065	196,352	196,352	15,869	112,000	275,700	1,054,582	766,937	77,235	2,606,524
Sea bass, black.....	29	105	154	154	15	3,176	3,618	275	32	32	25	25	7,084
Sea bass, white.....	9,773	35,009	8,632	2,448	13,282	25,349	42,387	14,080	20,319	5,929	1,656	6,283	185,747
Shadout, greenling.....	15	70	70	6,466	50,574	11,007	6,684	1,620	1,765	1,811	1,941	5,520	114
Shadout, greenling.....	3,444	16,625	36,468	6,466	50,574	11,007	6,684	1,620	1,765	1,811	1,941	5,520	146,846
Sheep-head.....	1,602	627	40	40	96	300	326	165	197	2,484	4,124	3,657	12,551
Shake.....	484	723	95	100	320	2,617	326	70	3,100	85	59	124	2,380
Snelt.....	500	369	369	2,361	619	219	4,267	202,277	731,081	1,146,431	316,665	16,052	2,419,773
Sole.....	7,136	43,551	52,426	131,018	105,447	128,833	66,114	38,872	10,026	13,321	9,272	5,862	611,888
Swordfish.....	200	369	369	2,361	619	219	4,267	202,277	731,081	1,146,431	316,665	16,052	2,419,773
Tuna, albacore.....	200	369	369	2,361	619	219	4,267	202,277	731,081	1,146,431	316,665	16,052	2,419,773
Turbot.....	200	369	369	2,361	619	219	4,267	202,277	731,081	1,146,431	316,665	16,052	2,419,773
Whitefish, ocean.....	200	369	369	2,361	619	219	4,267	202,277	731,081	1,146,431	316,665	16,052	2,419,773
Yellowtail.....	169	11,456	215	21	453	340	256	52	4	4	200	361	361
Miscellaneous fish.....	169	11,456	215	21	453	340	256	52	4	4	200	361	13,204

TABLE 17  
Monthly Landings of the Commercial Fishing Boats in the Santa Barbara Region During 1952



TABLE 18  
Monthly Landings and Shipments of Commercial Fish into the Los Angeles Region During 1952

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total lbs.
Fishing boat landings from California waters:													
Anchovy.....	16,950	60,203	561	460,091	702,223	186,133	442,338	160,131	278,701	338,086	276,712	196,598	3,157,427
Barracuda.....	27	870	1,674	49,223	307,509	195,281	29,187	52,614	9,760	3,275	1,142	.....	651,062
Bonito.....	2,832	16,732	15,871	18,767	8,163	9,182	12,372	9,300	9,660	68	631	1,100	1,069
Flounder.....	396	48	10	4	.....	.....	14	11	0	16,940	.....	.....	136,319
Flyingsh.....	4,281	47,413	62,908	44,580	13,162	6,357	15,434	5,231	10,317	35	33	552	50,738
Halibut, California.....	719	47,719	36,142	79,146	24,881	11,457	7,164	880	890	835	.....	.....	195,611
Kingfish.....	1,119	4,779	36,142	79,146	115,861	290,740	194,569	514,572	507,358	671,357	173,544	203,660	2,816,015
Mackerel, jack.....	5,491,566	494,371	2,051,293	6,350,407	4,681,570	2,698,879	7,690,094	17,076,440	36,830,710	17,882,892	32,248,093	3,149,256	136,587,691
Mackerel, Pacific.....	397,407	18,261	50,608	95,401	927,233	1,881,232	5,977,942	3,286,123	2,123,755	2,476,573	1,712,371	152,558	19,099,564
Parrot.....	6,938	6,255	7,962	4,432	1,001	60,620	24,692	3,332	4,640	5,911	494	1,145	135,677
Pompano, California.....	58	964	336	2,921	5,070	1,650	1,054	1,054	690	892	7,430	111	7,585
Rock bass.....	309	286	.....	277	1,342	9,164	6,488	3,501	2,652	3,482	1,351	396	29,248
Rockfish.....	65,638	74,751	43,082	90,694	42,072	40,020	14,424	16,038	30,872	22,884	20,936	17,489	481,911
Sardine.....	1,694	360	192	212	216	5,746	474	286	156	2,625	57	136	6,198
Sanddab.....	3,788	2,434	1,546	1,297	790	336	61	158	478	310	506	187	11,991
Sardine.....	2,627,885	421,895	297,453	447,952	440,225	135,155	330,155	476,237	244,585	3,448,962	1,298,789	1,360,753	11,500,716
Seahorse.....	747	4,209	1,535	6,939	2,328	9,771	9,917	11,487	7,209	4,369	3,902	3,217	65,690
Sea bass, black.....	280	78	126	270	115,110	85,632	59,620	46,960	16,806	10,064	5,578	4,317	407,178
Sea bass, white.....	3,358	27,602	6,659	25,291	115,110	85,632	59,620	46,960	16,806	10,064	5,578	4,317	407,178
Shark.....	5,344	6,194	7,128	12,270	36,127	24,396	26,520	9,532	4,653	2,678	6,972	8,868	145,682
Sheep-head.....	1,421	610	381	65	272	893	559	248	172	835	493	158	6,207
Skate.....	405	677	898	1,370	109	49	0	0	40	14	14	710	4,293
Snout.....	36,628	13,200	12,112	1,773	643	2,376	5,495	4,882	4,277	12,283	17,318	30,946	140,028
Sole.....	28	71	85	394	444	8	.....	14	.....	.....	.....	8	1,057
Sucker.....	.....	4,450	.....	2,224	.....	1,244	20,752	75,939	36,017	56,995	18,330	.....	6,074
Swordfish.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	299,277
Tuna, albacore.....	.....	.....	.....	.....	.....	397	1,501,249	2,309,616	1,125,102	1,140,447	1,129,015	249,067	7,454,893
Tuna, bluefin.....	.....	.....	.....	.....	.....	20,818	289,138	442,296	23,730	130	.....	.....	776,169
Tuna, skipjack.....	.....	.....	.....	.....	.....	.....	.....	329	.....	45	.....	.....	374

TABLE 18  
Monthly Landings and Shipments of Commercial Fish Into the Los Angeles Region During 1952

Whitefish, ocean.....	605	19	23	120	11	105	14	66	57	1,044
Yellowtail.....	52	151	15,878	16,328	776	1,105	102	3,019	34,996	
Miscellaneous fish.....	57,427	6,812	1,444	4,668	67	26	9		16,293	
Crustacean:										
Crab, rock.....	57,427	68,419	17,760					477	308	796
Lobster, spiny.....								97,002	78,088	66,602
Total.....										380,718
Mollusk:										
Abalone.....	231,905	228,916	535,114	287,174	354,882	209,300	205,942	296,511	306,214	267,230
Oysters.....	145	144	98	140				10	10	10
Squid.....						6,660	2,880	23,971	1,419	90,775
Total.....	8,964,891	1,324,617	7,986,451	5,867,348	17,016,455	24,732,065	41,572,984	26,432,761	37,323,289	5,801,641
Total pounds.....										188,013,075
Fishing boat landings from waters north of the state boundary:										
Herring, Pacific.....		146,000								286,000
Total.....		146,000								286,000
Fishing boat landings from waters south of the international boundary:										
Bass, rock.....	121,078	171,783	206,063	142,226	437	31,642	145,233	57,534	28,837	1,065,319
Bonito.....	701	28,673	1,269	641	186	211,828	615,947	991,300	8,416	13,999
Cabrilla.....	52,081	65,057	102,165	80,019	6,360	36,538	25,924		14,618	1,857,638
Grouper.....	116,639	149,085	86,911	47,983	9,328	36,665		519	51,063	540,520
Halibut, California.....			360			12,860	6,255		99,589	788,115
Langud.....	8,777									200
Rock bass.....	2,433	26,382	6,266	511	485			78	1,788	44,287
Rockfish.....	141,000	50						825	21,791	32,744
Sardine.....	11,068	16,789	8,542	14,886	14,031	689	11,825	72,071	7,640	13,740
Sea bass, black.....					19,475				26,076	223,717
Sea bass, white.....	90	200	215	6,710	3,220	34,790	49,769	37,300	3,835	220,889
Shark.....		83		20	20	670	745	700	454	3,416
Sheep-head.....									1,940	990
Sterra.....	899	501		518				115	50	2,849
Swordfish.....				854						854
Tuna, albacore.....	150			577	1,946,703	2,529,005	1,088,967	103,685	8,402	5,647,339
Tuna, bluefin.....				184,803	439,704	2,670,833	140,634			8,444,824
Tuna, skipjack.....	1,173,997	1,833,644	1,956,668	2,390,903	3,806,265	5,374,393	7,100,381	6,019,234	3,859,637	18,939,470
Tuna, yellowfin.....	7,113,374	6,280,939	11,959,359	14,112,331	17,231,372	12,275,138	9,786,319	7,327,389	3,499,724	126,326,403
Wahoo.....			344	1,837						5,383
Total.....	2,157	260	124,047	700,834	633,501	3,288,142	2,647,216	130,644	6,328	1,133
Whitefish, ocean.....										200
Yellowtail.....	8,746,887	7,625,768	14,410,395	19,545,001	18,465,893	22,144,837	21,633,423	26,405,949	23,389,676	15,235,507
Total pounds.....										7,550,236
Total.....										15,800,994
Total.....										200,976,636

TABLE 18—Cont'd.

TABLE 18—Continued  
Monthly Landings and Shipments of Commercial Fish Into the Los Angeles Region During 1952

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total lbs.
Shipments:													
Carp.....									2,784				2,784
Eel.....	45,910				26,291	2,608	51,473	71,855		2,350			2,350
Flatfish, Pacific.....	10,000	80,706	26,148	54,785	35,391	23,000	35,140	43,669	30,104	30,140	17,653		245,538
Sablefish.....											17,327		17,327
Salmon.....	144,948	52,703	128,871	30,697	110,469	38,783	43,325	45,357	13,880	2,005	79,223	94,201	834,692
Sole.....	240												240
Tuna, albacore.....	203,605	1,120,470	1,733,022	2,749,157	2,908,386	1,447,890	2,825,432	4,217,132	174,407	117,540	224,678	181,000	17,794,869
Tuna, skipjack.....	1,628	1,472	1,472	694	694	694	694	694	694	694	694	694	6,936
Tuna, other.....	284,608	345,725	418,753	407,417	629,084	375,648	587,294	375,134	672,720	620,491	20,131	25,033	5,185,138
Miscellaneous fish.....		28,810	5,314		8,320	35,275	2,005	438	23,811	20,420	55,650	14,400	194,703
Mollusk:													
Clam, Pismo.....	166,928	331,336	70,872		428,620	515,394	775,248	693,144	185,944	47,448		31,620	3,192,254
Total pounds.....	934,421	1,970,117	2,408,051	4,296,772	4,845,501	2,591,503	4,605,213	5,554,711	1,383,117	880,634	415,562	415,024	30,390,626
Grand totals, Los Angeles region.....	18,616,169	10,920,502	19,770,489	32,050,303	31,297,845	30,603,688	43,235,091	56,091,825	96,345,777	42,681,902	45,205,087	22,017,659	419,576,337

<sup>1</sup> See Table 10 for origin of shipments.

TABLE 18  
Monthly Landings and Shipments of Commercial Fish Into the Los Angeles Region During 1952

TABLE 19  
Monthly Landings and Shipments of Commercial Fish into the San Diego Region During 1952

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total lbs.
Fishing boat landings from California waters:													
Anchovy.....	2,316		942	2,744	3,118	1,220	1,093	2,040	6,789	5,290	2,451		25,166
Barracuda.....					15,129	8,295	7,694	7,694	656		2,888	8,410	46,839
Bonito.....			12,535			17		62	2,353		5,390		12,535
Coho.....													4,342
Halibut, California.....	6,935	2,045	1,833	7,315	7,381	2,460	987	148	261	3,040	11,382	138	43,795
Herring, Pacific.....	1,790				1,746	111				2,750		1,224	5,764
Kingfish.....		51	2,615	2,162		50	38	368		5,069	460	249	10,944
Mackerel, jack.....		50	13	127		21				110,157		56	112,737
Mackerel, Pacific.....	103	578	615	65	238	26,459	11,343	291,273	73,053	459,090	10,000		872,817
Mullet.....	23,510	16,058	7,192	6,316	704	856	1,315	493	270	12	22,315	14,957	89,718
Rockfish.....	463	8,292	1,297	2,869	1,479	1,493	375	122	587	2,348	1,043	560	33,988
Salmon.....	200					1,301				25,903			20,879
Sardine.....												28,019	1,301
Sculpin.....	86	84	2,324	7,640	3,638	1,182	63	15		138	378		16,322
Seabass, black.....	501				549	549			330	33	88	171	1,672
Seabass, white.....	11,662	12,735	8,670	3,855	7,030	8,627	3,997	1,810	2,294	2,173	2,025	5,903	70,991
Shark.....	14,455	4,101	765	15,845	26,522	27,353	12,403	573	6,581	5,877	11,925	16,122	142,552
Sheep-head.....	5,839	1,465		28						2,692	2,925		13,918
Snelt.....	5,440	1,100	1,752	929	130							233	9,584
Swordfish.....				2,771			1,485	1,149	860	208			6,473
Tuna, albacore.....						5,263	796,820	481,020	142,067	47,283	91,115	24,506	1,587,084
Tuna, bluefin.....						23,435	73,989	9,498	13,790	10,383			131,046
Tuna, skipjack.....									160				160
Whitefish, ocean.....		794				6,391	109	1,266	1,371	253	333		794
Yellowtail.....		10		162	6,127	13					14		15,759
Miscellaneous fish:													
Crustaceans:													
Crab.....	1,154	345	80		96								3,280
Lobster, spiny.....	9,682	8,895	2,863										15,733
													116,408

TABLE 19  
Monthly Landings and Shipments of Commercial Fish Into the San Diego Region During 1952

TABLE 19—Continued  
Monthly Landings and Shipments of Commercial Fish Into the San Diego Region During 1952

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total lbs.
Mullet:													
Albacore	61,040	19,185	10,185	16,640	28,259	26,926	29,092	7,023	4,190	2,760	4,700	6,273	206,178
Chum, jackknife	620	1,705	2,558	3,719	8,696	6,881	7,372	7,847	5,319	2,711	1,391	977	50,096
Mussel					63	122	200		167				552
Total pounds	146,062	65,367	65,191	73,140	110,410	151,518	939,635	813,471	291,193	745,809	195,965	129,023	3,389,424
Fishing boat landings from waters south of the international boundary:													
Barracuda	55,567	20,456	62,861	23,795	5,362		1,400	7,128	6,782	5,244	17,645	44,980	251,220
Bonito	565	2,999	2,683	2,712	315			72,993	19,232	46,549	120,622	14,515	277,375
Chub	4,767	11,546	9,094	764	256	1,990					623	8,528	34,961
Garoupa	4,966	2,676	48			2,183	3,913	372		18,289	3,257	5,746	36,598
Habitat, California												40	30,978
Kingfish									140			578	140
Mongoose							21,330			114,425	1,164		1,867
Mackerel, Pacific							68,069			272,151			340,220
Rock bass		1,928	387	425		298			75			180	3,293
Rockfish	8,445	963	12,648	8,483	858	1,325						831	33,491
Sea bass, black		3,874	358	9,110	1,010	2,649	15,339	268	11,483	12,700	3,322	1,193	54,946
Sea bass, white		227		110	13,886	2,649	52,715	44,401	52,913	55,605	3,352	8,165	233,922
Shark				122		370	2,410		225	3,182	366	1,089	7,991
Sheep-head		330									418	817	1,565
Sierra				190									190
Swordfish		92					566	745	1,051				2,382
Tuna, albacore					11,007	5,794	7,364,306	9,294,320	3,475,803	874,437	30,651		21,039,579
Tuna, bluefin							72,374	132,304			3,167		224,646
Tuna, skipjack	116,832	39,328	459,932	1,093,132	591,346	2,976,254	2,086,019	3,592,051	4,970,454	5,304,350	4,270,045	5,986,488	31,318,222
Tuna, yellowfin	807,558	468,634	4,157,119	3,730,310	4,412,255	8,264,611	4,106,307	6,694,212	6,720,593	4,769,831	4,862,027	3,753,439	52,277,196
Whitefish, ocean	2,023	1,079	1,177	296						304	781		6,465
Yellowtail	13,291	64,794	10,827	64,236	15,317	136,722	235,650	97,392	86,137	119,892	249,994	349,243	1,437,565
Miscellaneous fish										69	239		299
Crustacean:													
Lobster, spiny										167			167
Total pounds	1,013,123	688,090	4,718,299	4,842,082	4,998,689	11,501,463	114,035,398	19,846,386	15,344,891	11,591,876	9,567,707	10,156,949	108,274,985

TABLE 19  
Monthly Landings and Shipments of Commercial Fish Into the San Diego Region During 1952





TABLE 20  
The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1952

Species	Eureka region		Sacramento region		San Francisco region		Monterey region	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Fishing boat landings:								
Anchovy.....					5,831,115	\$124,871	39,735,585	\$834,447
Barracuda.....							102	5
Bonito.....					6,132	155	18,699	548
Cabazon.....								
Cabrilla.....								
Carp.....	79,376	\$4,651	581,305	\$34,064	1,166	261		
Catfish.....			177,464	36,206	322,675	14,876	3,131	260
Flounder.....	260,248	12,987						
Flyingfish.....								
Grouper.....								
Hake.....					1,205	26	4,840	97
Halibut, California.....					19,659	3,994	23,074	5,877
Halibut, Pacific.....	65,185	13,905			176,938	36,166		
Hardhead.....								
Herring, Pacific.....	60,541	1,514	15,550	5,128	3,223,314	49,961	5,901,212	107,004
Kingsfish.....					12,455	925	370,693	30,656
Lingcod.....	628,002	54,009			563,863	40,027	95,371	8,746
MacKenzie.....					2,382	16	33,418	1,523
Macleod, Pacific.....					382	16	252,146	10,829
Mullet.....								
Perch.....	38,785	5,527			84,714	14,664	21,649	2,009
Pompano, California.....					526	27	15,327	7,684
Pompano, Pacific.....					227			
Rockfish.....	2,635,194	128,334			3,580,550	177,237	3,696,988	223,299
Sablefish.....	657,501	62,837			246,257	5,639	433,081	21,567
Salmon.....	2,490,809	595,292			2,697,333	726,745	1,063,655	308,037
Sardine.....	112,740	7,306	738,171	164,907	382,657	16,964	144,633	11,663
Sculpin.....							24,740	1,354
Sea bass, black.....								
Sebass, white.....					5,620	1,329	23,066	5,277
Seatrout, greenling.....							369	13

TABLE 20  
The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1952

COMMERCIAL FISH CATCH OF CALIFORNIA FOR 1952

49

Shad.....	5,831	464	640,040	47,683	132,802	4,396	237	3,250
Shark.....							38,018	
Sheep-head.....								
Sierra.....	460	28			114,878	1,366	16,540	463
Sitka.....	104,401	6,276			281,560	22,620	101,580	5,709
Smelt.....	15,269,232	1,029,145			3,997,804	296,239	1,069,812	77,347
Sole.....			1,450	258				
Splittail.....								
Stocker.....							127	53
Sturgeon.....	806	113			170	10		
Tomcod.....	3,456,037	531,540	9,510	2,204	5,199,884	877,741	2,988,692	489,248
Tuna, albacore.....								
Tuna, bluefin.....								
Tuna, skipjack.....								
Tuna, yellowfin.....	9,422	471			64,304	2,354	130,806	22,252
Turbot.....							1,184	43
Wahoo.....	85,191	8,986			64,712	6,717	2,512	339
Whitebait.....								
Whitefish, ocean.....								
Yellowtail.....								
Miscellaneous fish.....	68,967	1,793	410	59	41,552	1,678	785	28
Crustacean:								
Crab.....	8,997,978	1,334,401			3,894,965	539,452	11,549	2,340
Crab, rock.....					480	53		
Lobster, spiny.....								
Prawn.....								
Shrimp, bay.....					912,558	68,637	3,016	1,206
Shrimp, ocean.....	3,876	431			3,665	289		
Mollusk:								
Abalone.....					4,623	789	1,202	82
Clam, gear.....								
Clam, white.....								
Clam, Washington.....	9,556	1,065						
Mussel.....								
Octopus.....	1,073	50			6,657	600	9,283	847
Oyster, eastern.....					169,757	30,277		
Oyster, Pacific.....					137,468	15,108		
Squid.....							3,545,653	166,291
Total pounds and value.....	35,041,011	\$3,806,175	2,163,900	\$290,549	32,398,405	\$3,032,810	60,109,555	\$2,422,352

TABLE 20—Cont'd.

TABLE 20—Continued  
The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1952

Species	Eureka region		Sacramento region		San Francisco region		Monterey region	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Shipments: <sup>1</sup>								
Barracuda.....								
Bonito.....								
Carp.....			683	\$283	977	\$361		
Catfish.....								
Corvina, Mexican.....								
Eel.....								
Halibut, California.....					4,000	280		
Halibut, Pacific.....								
Rockfish.....								
Sablefish.....					178,420	17,514		
Salmon.....					17,463	5,465		
Sea bass, black.....								
Sea bass, white.....								
Sard.....								
Sole.....								
Swordfish.....					47,510	18,084		
Tuna, albacore.....					2,487,411	460,402	1,152,075	\$230,115
Tuna, bigeye.....					1,329,382	117,718	1,172,718	183,343
Tuna, yellowfin.....					7,565,593	117,775	1,160,498	184,846
Miscellaneous fish.....								
Mollusk: <sup>2</sup>								
Clam.....					40,825	8,165	36,000	7,200
Pismo.....								
Total pounds and value.....			683	\$283	4,853,287	\$823,336	2,466,289	\$437,745
Grand totals.....	35,041,011	\$3,806,175	2,164,593	\$390,832	37,221,692	\$3,876,146	62,375,844	\$2,860,297

<sup>1</sup> See Table 10 for origin of shipments.  
<sup>2</sup> Cleaned weight, no conversion factor available.

TABLE 20  
The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1952

TABLE 20—Continued  
The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1952

Species	Santa Barbara region		Los Angeles region		San Diego region		Total	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Fishing boat landings:								
Anchovy.....	7,033,377	\$121,725	3,157,327	\$71,041	25,106	\$1,072	55,782,870	\$1,133,156
Barracuda.....	49,766	7,182	1,775,218	175,218	288,317	27,369	3,149,076	346,652
Bass.....	9,653	371	1,859,698	175,218	288,317	27,369	2,142,517	206,592
Cabezon.....	4,322	778	540,320	81,132	29,491	4,297	34,494	1,074
Cabrilla.....			136,519	4,218	12,535	387	574,333	86,207
Carb.....			449	65			809,735	43,920
Clam.....	10,686	697	50,736	3,794			178,639	33,267
Flyingsh.....	5,094	1,019	788,115	157,228	36,508	6,324	567,189	28,915
Grouper.....			216,324	52,610			50,736	3,794
Halibut.....	191,481	45,401					829,807	164,571
Halibut, California.....			286,000	6,750	74,773	19,186	6,145	123
Halibut, Pacific.....							525,311	127,068
Hardhead.....	18,555	286					242,123	52,071
Herring, Pacific.....	63,437	1,663			5,764	147	15,550	5,128
Kingfish.....	42,800	3,976	2,816,015	93,491	10,924	1,080	9,495,386	225,662
Lingcod.....	9,407,135	270,925	3,357	284	2,208	184	3,273,524	127,815
Mackerel, jack.....	39,262	1,527	136,587,601	4,466,414	249,048	6,276	1,365,601	107,226
Mackerel, Pacific.....			19,099,564	725,784	1,213,087	47,308	146,521,673	4,754,969
Mullet.....			494	69	89,718	8,981	20,604,671	785,464
Perch.....	16,432	2,873	135,647	13,863			90,212	9,050
Pompano, California.....	5,837	687	15,671	3,584			297,227	38,636
Rock bass.....	238,428	19,790	73,535	11,442	7,277	988	32,124	11,489
Rockfish.....	830	38	514,653	55,685	54,370	5,617	86,745	13,124
Sablefish.....			6,198	637			1,348,867	609,962
Salmon.....	7,084	2,224	6,173	2,203	1,301	455	7,275,026	1,802,883
Sanddab.....	4,543	288	11,891	2,319			659,874	40,880
Sardine.....	2,609,842	112,746	11,641,716	407,461			14,330,420	523,120
Scupin.....	301	1,412	63,410	4,312	54,122	3,539	4,481,816	141,416
Sea bass, black.....	1,652	301	226,430	33,277	86,412	12,838	313,494	48,416

TABLE 20  
The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1952

TABLE 20—Continued  
The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1952

Species	Santa Barbara region		Los Angeles region		San Diego region		Total	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Seabass, white.....	185,747	\$49,706	628,067	\$174,037	304,513	\$123,754	1,117,043	\$834,103
Seatrout, greenling.....	114	7					1,483	20
Shad.....	146,846	11,982	149,098	16,847	150,543	15,882	640,277	47,692
Shark.....	12,551	890	8,197	590	15,483	1,623	623,238	52,851
Sheep-head.....							36,231	3,103
Sierra.....	2,380	134	2,359	280	190	13	2,549	293
Skate.....	7,073	364	4,366	311	92		138,716	2,339
Smelt.....	611,888	57,028	141,918	8,019	9,584	800	646,116	44,088
Sole.....			1,057	124			20,919,753	1,429,883
Splittail.....							1,450	238
Sucker.....	46,597	16,505	6,674	206			6,674	206
Swordfish.....			210,131	76,913	8,835	3,737	265,690	100,208
Tomcod.....							49,892,976	8,627,123
Tuna, albacore.....	2,419,773	395,633	13,107,232	2,393,331	22,636,653	3,968,517	8,627,791	1,332,372
Tuna, bluefin.....			4,229,393	672,827	355,692	60,397	4,376,085	733,224
Tuna, skipjack.....			53,517,744	6,866,328	31,218,382	4,024,049	84,736,126	10,890,377
Tuna, yellowfin.....			125,429,401	19,805,302	52,877,196	8,386,323	178,437,493	28,213,877
Turbot.....	6,974	429					81,884	3,277
Whitefish.....			5,383	730			152,115	16,042
Whitebait.....								
Whitefish, ocean.....	245	28	1,304	120	7,259	546	8,898	694
Yellowtail.....	361	54	7,993,294	798,579	1,453,324	135,695	9,446,979	874,228
Miscellaneous fish.....	13,204	735	16,233	881	685	71	141,896	5,245
Crustacean:								
Crab.....	92,919	16,818	796	77	13,035	518	12,997,411	1,893,011
Crab, rock.....	2,696	67					16,977	715
Crab, spiny.....	309,854	111,020	380,718	173,644	116,665	52,925	807,237	337,299
Crab, tanner.....							3,299	206
Shrimp, bay.....							912,558	68,637
Shrimp, ocean.....	197,944	23,278					205,485	23,968
Mollusk:								
Albatross.....	1,229,394	154,780	3,343,538	259,793	206,178	15,732	4,784,033	431,094
Clam, gaper.....							1,202	82
Clam, jackknife.....					50,096	17,345	50,096	17,345
Clam, Washington.....							9,256	1,065

TABLE 20

The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1952

Mussel.....	569	802	111	552	44	552	44
Octopus.....	36	.....	.....	.....	.....	.....	.....
Oyster, eastern.....	51,187	1,024	.....	.....	.....	.....	.....
Oyster, Pacific.....	.....	.....	4,472	.....	.....	.....	.....
Squid.....	.....	.....	.....	.....	.....	.....	.....
Total pounds and value.....	25,100,440	\$1,435,196	\$37,830,803	111,964,400	\$17,001,959	656,023,431	\$65,840,044
Shipments: <sup>1</sup>							
Barnacuda.....	.....	.....	.....	587	63	587	63
Bonito.....	.....	.....	.....	2,506	190	2,506	190
Calappa.....	.....	.....	86	.....	.....	.....	.....
Catfish.....	.....	2,784	.....	.....	.....	.....	.....
Corvina, Mexican.....	.....	.....	.....	4,233	483	4,233	483
Edible fish:							
Halter, California.....	.....	2,350	776	.....	.....	.....	.....
Halter, Pacific.....	.....	.....	.....	210	39	210	39
Rockfish.....	.....	255,538	77,493	2,695	213	259,538	77,773
Sablefish.....	.....	397,302	59,002	.....	.....	.....	.....
Salmon, black.....	.....	834,662	300,729	.....	.....	.....	.....
Salmon, white.....	.....	.....	.....	4,556	657	4,556	657
Seabass, white.....	.....	.....	.....	1,663	446	1,663	446
Smelt.....	.....	.....	.....	563	163	563	163
Sole.....	.....	240	101	.....	.....	.....	.....
Swordfish.....	.....	.....	.....	.....	.....	.....	.....
Tuna, albacore.....	.....	17,794,869	3,018,778	1,093,159	148,121	47,540	240
Tuna, skipjack.....	.....	2,492,758	324,965	222,683	28,672	22,525,248	3,887,806
Tuna, yellowfin.....	.....	5,163,136	820,459	.....	.....	4,155,541	534,121
Miscellaneous fish.....	.....	194,703	46,308	.....	.....	7,080,197	1,123,080
Mollusk:							
Clam, Japanese <sup>2</sup> .....	.....	.....	.....	.....	.....	76,825	15,365
Clam, Pisano.....	.....	3,192,254	52,992	.....	.....	3,192,254	52,992
Total pounds and value.....	25,100,440	\$1,435,196	\$42,533,092	113,297,073	\$17,181,036	694,976,990	\$71,982,774
Grand totals.....	.....	.....	.....	.....	.....	.....	.....
Total pounds and value.....	.....	.....	.....	1,332,064	\$179,077	38,653,559	\$6,142,730
Grand totals.....	.....	.....	.....	.....	.....	.....	.....

<sup>1</sup> See Table 10 for origin of shipments.  
<sup>2</sup> Craned weight, no conversion factor available.

TABLE 20—Cont'd.

TABLE 21  
Landings of the Commercial Fishing Boats in the Eureka Region During 1952, Shown by  
Port of Landing With the Corresponding Values

		Value	Pounds
Eureka region totals		\$3,806,175	35,041,011
Eureka	Sole	\$756,502	11,224,070
	Albacore	360,764	2,345,669
	Crab	322,172	2,172,433
	Salmon	126,458	526,471
	Rockfish	59,234	1,216,298
	Sablefish	32,437	339,301
	Lingcod	16,624	193,303
	Pacific halibut	15,851	64,964
	Flounder	6,824	136,759
	All other	17,246	275,622
	Totals	\$1,714,112	18,494,890
Cresecent City	Crab	\$692,126	4,667,065
	Salmon	210,705	877,206
	Sole	113,694	1,686,850
	Albacore	26,839	174,503
	Lingcod	19,803	231,311
	Rockfish	15,263	313,411
	All other	13,842	207,601
	Totals	\$1,092,362	8,157,947
Fort Bragg	Salmon	\$246,094	1,024,536
	Albacore	118,572	770,949
	Sole	94,299	1,399,100
	Rockfish	48,265	991,065
	Sablefish	26,720	279,494
	Lingcod	13,983	162,594
	Crab	5,623	37,915
	All other	7,768	109,519
	Totals	\$561,324	4,775,172
Fields Landing	Crab	\$124,541	839,794
	Sole	64,306	954,102
	Albacore	25,263	164,256
	Rockfish	5,549	113,933
	All other	8,076	99,491
	Totals	\$227,735	2,171,576
Trinidad	Crab	\$189,771	1,279,641
	Salmon	3,779	15,734
	All other	69	936
	Totals	\$193,619	1,296,311
Point Arena	Salmon	\$9,588	39,918
	All other	825	3,612
	Totals	\$10,413	49,530
All other ports	All other	\$6,610	95,585
	Totals	\$6,610	95,585

TABLE 21  
*Landings of the Commercial Fishing Boats in the Eureka Region During 1952, Shown by Port of Landing With  
the Corresponding Values*

TABLE 22  
**Landings of the Commercial Fishing Boats and Shipments Into the Sacramento Region During 1952,  
 Shown by Port of Landing With the Corresponding Values**

		Value	Pounds
Sacramento region totals .....		\$290,832	2,164,593
Pittsburg .....	Salmon .....	\$101,807	455,716
	Shad .....	31,784	426,631
	Catfish .....	20,971	102,782
	All other .....	2,178	35,952
	Totals .....	\$156,740	1,021,081
Martinez .....	Salmon .....	\$28,874	129,246
	Shad .....	8,013	107,552
	Carp .....	72	1,229
	Totals .....	\$36,959	238,027
Benicia .....	Salmon .....	\$22,840	102,240
	Shad .....	7,505	100,744
	All other .....	272	1,572
	Totals .....	\$30,617	204,556
Sacramento .....	Salmon .....	\$8,938	40,009
	Carp .....	7,811	133,299
	Hardhead .....	5,128	15,550
	Catfish .....	4,792	22,797
	All other .....	519	5,968
	Totals .....	\$27,188	217,623
Clear Lake .....	Carp .....	\$19,397	331,010
	Totals .....	\$19,397	331,010
Bethel Island .....	Catfish .....	\$7,277	35,674
	Totals .....	\$7,277	35,674
Antioch .....	Carp .....	\$4,717	80,493
	Totals .....	\$4,717	80,493
All other ports .....	Catfish .....	\$3,449	16,904
	Salmon .....	2,448	10,960
	All other .....	2,040	8,265
	Totals .....	\$7,937	36,129

TABLE 22  
*Landings of the Commercial Fishing Boats and Shipments Into the Sacramento Region During 1952, Shown by  
 Port of Landing With the Corresponding Values*



TABLE 23

**Landings of the Commercial Fishing Boats and Shipments Into the San Francisco Region During 1952,  
Shown by Port of Landing With the Corresponding Values**

		Value	Pounds
San Francisco region totals .....		\$3,876,146	37,221,692
San Francisco .....	Albacore .....	\$1,101,629	6,105,596
	Crab .....	355,211	2,564,702
	Skipjack .....	165,200	1,322,382
	Sole .....	140,355	2,091,722
	Anchovy .....	124,695	5,826,865
	Yellowfin tuna .....	117,775	756,563
	Salmon .....	108,940	435,719
	Rockfish .....	88,608	1,790,056
	Bay shrimp .....	44,900	596,282
	Pacific halibut .....	28,011	139,671
	Sablefish .....	19,761	276,524
	Swordfish .....	18,084	47,540
	Lingcod .....	14,319	212,445
	Sanddab .....	12,332	241,802
	Smelt .....	10,971	134,775
	All other .....	44,360	1,044,591
	Totals .....	\$2,395,151	23,587,235
Point Reyes .....	Salmon .....	\$396,136	1,601,198
	Crab .....	44,508	321,360
	Sole .....	46,452	692,294
	Rockfish .....	41,565	839,695
	Lingcod .....	14,788	219,404
	Pacific halibut .....	7,137	34,915
	All other .....	11,856	287,485
	Totals .....	\$562,442	3,996,351
Bodega Bay .....	Salmon .....	\$119,917	484,708
	Sole .....	77,263	1,151,466
	Crab .....	71,775	518,234
	Rockfish .....	46,891	947,293
	Albacore .....	30,505	180,715
	Lingcod .....	10,213	151,523
	Smelt .....	9,176	112,722
	All other .....	16,040	292,019
	Totals .....	\$381,780	3,838,680
Sausalito .....	Albacore .....	\$232,886	1,379,659
	Crab .....	44,863	323,923
	Salmon .....	12,919	52,219
	Totals .....	\$290,668	1,755,801
Princeton (Halfmoon Bay) .....	Salmon .....	\$77,699	314,062
	Crab .....	5,827	42,071
	All other .....	7,791	78,058
	Totals .....	\$91,317	434,191
Tomales Bay (Marshall) .....	Pacific herring .....	\$42,191	2,722,036
	Eastern oyster .....	24,461	128,607
	Pacific oyster .....	9,679	88,069
	Perch .....	5,319	30,725
	All other .....	1,943	15,210
	Totals .....	\$83,593	2,984,647

TABLE 23

**Landings of the Commercial Fishing Boats and Shipments Into the San Francisco Region During 1952, Shown  
by Port of Landing With the Corresponding Values**

TABLE 23—Continued  
**Landings of the Commercial Fishing Boats and Shipments Into the San Francisco Region During 1952,  
 Shown by Port of Landing With the Corresponding Values**

		Value	Pounds
Richmond.....	Bay shrimp.....	\$20,422	272,245
	All other.....	77	783
	Totals.....	\$20,499	273,028
Berkeley.....	Salmon.....	\$13,152	53,160
	Crab.....	5,175	37,368
	All other.....	1,185	13,873
	Totals.....	\$19,512	104,401
Drakes Bay.....	Eastern oyster.....	\$6,115	32,150
	Pacific oyster.....	5,429	49,399
	Totals.....	\$11,544	81,549
Oakland.....	Crab.....	\$10,076	72,749
	All other.....	749	4,944
	Totals.....	\$10,825	77,693
All other ports.....	All other.....	\$8,815	88,116
	Totals.....	\$8,815	88,116

TABLE 23  
*Landings of the Commercial Fishing Boats and Shipments Into the San Francisco Region During 1952, Shown  
 by Port of Landing With the Corresponding Values*

TABLE 24

**Landings of the Commercial Fishing Boats and Shipments Into the Monterey Region During 1952, Shown by Port of Landing With the Corresponding Values**

		Value	Pounds
Monterey region totals.....		\$2,860,297	62,575,844
Monterey.....	Anchovy.....	\$784,776	37,370,280
	Albacore.....	372,514	2,020,120
	Yellowfin tuna.....	207,098	1,291,394
	Squid.....	162,747	3,470,084
	Rockfish.....	155,464	2,573,901
	Salmon.....	134,354	477,110
	Pacific herring.....	15,805	558,467
	Skipjack.....	15,284	117,718
	Kingfish.....	14,156	171,169
	Sole.....	13,288	183,795
	Jack mackerel.....	10,617	260,210
	Sablefish.....	10,360	208,029
	Pacific mackerel.....	9,959	232,136
	Clam, Japanese.....	7,200	36,000
	Lingcod.....	5,510	60,089
	All other.....	18,339	201,534
	Totals.....	\$1,937,471	49,232,036
Moss Landing.....	Albacore.....	\$303,362	1,853,159
	Pacific herring.....	143,635	5,075,450
	Salmon.....	85,444	303,425
	Anchovy.....	49,400	2,352,405
	Kingfish.....	12,257	148,214
	Sole.....	4,278	59,166
	All other.....	4,722	56,668
	Totals.....	\$603,098	9,848,487
Santa Cruz.....	Salmon.....	\$88,259	313,420
	Rockfish.....	67,350	1,115,059
	Sole.....	59,781	826,851
	Albacore.....	43,787	267,486
	Sablefish.....	11,192	224,749
	Sanddab.....	9,567	135,319
	Pacific herring.....	7,564	267,295
	California pompano.....	6,589	13,658
	All other.....	25,639	331,484
	Totals.....	\$319,728	3,495,321

TABLE 24

*Landings of the Commercial Fishing Boats and Shipments Into the Monterey Region During 1952, Shown by Port of Landing With the Corresponding Values*

TABLE 25  
Landings of the Commercial Fishing Boats in the Santa Barbara Region During 1952, Shown by  
Port of Landing With the Corresponding Values

		Value	Pounds
Santa Barbara region totals		\$1,435,196	25,100,440
Santa Barbara	Jack mackerel	\$128,453	4,460,170
	Spiny lobster	106,828	298,153
	Sardine	85,611	1,981,732
	Sole	42,375	454,667
	White seabass	36,552	136,592
	California halibut	33,515	141,353
	Anchovy	19,258	1,110,835
	Swordfish	15,210	42,941
	Abalone	11,056	87,815
	Shark	9,011	110,435
	Rockfish	7,912	95,327
	Crab	5,113	28,251
	Albacore	5,086	31,109
	All other	8,375	97,020
	Totals	\$514,355	9,076,400
Morro Bay	Albacore	\$321,225	1,964,676
	Abalone	23,518	186,800
	Ocean shrimp	23,278	197,944
	Crab	8,668	47,890
	Rockfish	5,953	71,719
	All other	5,617	88,923
	Totals	\$388,259	2,557,952
Port Hueneme	Jack mackerel	\$142,472	4,946,965
	Anchovy	92,762	5,361,980
	Sardine	23,411	541,910
	White seabass	10,955	40,938
	Barracuda	6,502	45,057
	California halibut	5,234	22,074
	All other	12,948	163,828
	Totals	\$294,284	11,122,752
Avila	Albacore	\$68,237	417,350
	Sole	13,994	150,151
	Abalone	12,517	99,421
	Anchovy	9,705	560,762
	California halibut	5,741	24,212
	All other	18,601	223,127
	Totals	\$128,795	1,475,023
Channel Islands <sup>1</sup>	Abalone	\$72,948	579,415
	Totals	\$72,948	579,415
San Simeon	Abalone	\$26,508	210,550
	Totals	\$26,508	210,550
Cayucos	Abalone	\$5,724	45,464
	All other	10	112
	Totals	\$5,734	45,576
All other ports	All other	\$4,313	32,772
	Totals	\$4,313	32,772

<sup>1</sup> San Miguel, Santa Rosa, Santa Cruz and Anacapa Islands.

TABLE 25  
Landings of the Commercial Fishing Boats in the Santa Barbara Region During 1952, Shown by Port of Land-  
ing With the Corresponding Values

TABLE 26

**Landings of the Commercial Fishing Boats and Shipments Into the Los Angeles Region During 1952,  
Shown by Port of Landing With the Corresponding Values**

		Value	Pounds
Los Angeles region totals.....		\$42,533,092	419,576,337
Terminal Island.....	Yellowfin tuna.....	\$19,270,510	122,009,562
	Skipjack.....	6,780,114	52,805,685
	Albacore.....	4,731,089	27,291,909
	Jack mackerel.....	3,293,324	100,713,272
	Yellowtail.....	615,224	6,658,273
	Bluefin tuna.....	553,563	3,472,793
	Pacific mackerel.....	511,378	13,457,326
	Sardine.....	219,856	6,281,598
	Bonito.....	168,731	1,750,319
	All other.....	2,638	31,938
	Totals.....	\$36,146,447	334,472,675
Long Beach.....	Yellowfin tuna.....	\$906,517	5,741,086
	Jack mackerel.....	574,950	17,582,560
	Albacore.....	279,789	1,551,798
	Skipjack.....	273,405	2,130,979
	Yellowtail.....	105,701	1,143,952
	Pacific mackerel.....	92,962	2,446,359
	Pismo clam.....	52,462	3,160,334
	Spiny lobster.....	44,810	98,245
	Bluefin tuna.....	34,180	214,427
	Sardine.....	22,189	633,960
	Kingfish.....	19,058	574,048
	Anchovy.....	9,031	401,383
	Bonito.....	8,853	91,833
	Grouper.....	5,946	29,806
	All other.....	20,621	158,493
	Totals.....	\$2,450,474	35,959,263
Wilmington.....	Jack mackerel.....	\$533,447	16,313,360
	Yellowfin tuna.....	430,206	2,724,548
	Skipjack.....	137,765	1,073,771
	Pacific mackerel.....	82,599	2,173,652
	Albacore.....	69,705	386,604
	Kingfish.....	61,495	1,852,261
	Sardine.....	56,203	1,605,798
	Bluefin tuna.....	36,107	226,519
	Perch.....	8,565	83,811
	Pacific herring.....	6,750	286,000
	All other.....	9,361	161,521
	Totals.....	\$1,432,203	26,887,845
San Pedro.....	Barracuda.....	\$255,910	1,620,709
	White seabass.....	161,292	582,073
	Grouper.....	149,290	748,323
	Sardine.....	102,443	2,926,955
	Cabrilla.....	77,510	516,390
	Abalone.....	76,477	984,255
	Bluefin tuna.....	48,612	304,966
	Albacore.....	47,325	262,480
	Spiny lobster.....	46,556	102,075
	California halibut.....	44,783	184,139

TABLE 26

**Landings of the Commercial Fishing Boats and Shipments Into the Los Angeles Region During 1952, Shown by  
Port of Landing With the Corresponding Values**

TABLE 26—Continued  
**Landings of the Commercial Fishing Boats and Shipments Into the Los Angeles Region During 1952,  
 Shown by Port of Landing With the Corresponding Values**

		Value	Pounds
San Pedro—Continued .....	Jack mackerel .....	\$42,534	1,300,747
	Black sea bass .....	33,827	217,120
	Rockfish .....	31,839	294,265
	Swordfish .....	30,651	80,596
	Pacific mackerel .....	22,929	603,398
	Yellowfin tuna .....	18,430	116,720
	Yellowtail .....	16,374	177,211
	Sculpin .....	14,717	64,605
	Kingfish .....	12,201	367,505
	Rock bass .....	10,277	66,047
	Shark .....	8,292	73,380
	Smelt .....	5,953	105,361
	All other .....	20,521	318,451
	Totals .....	\$1,278,743	12,017,771
Newport Beach .....	Albacore .....	\$248,047	1,375,744
	Abalone .....	177,490	2,284,304
	Swordfish .....	44,088	115,930
	Anchovy .....	22,428	996,811
	Spiny lobster .....	16,413	35,985
	Jack mackerel .....	15,630	477,979
	Pacific mackerel .....	14,785	389,073
	Barracuda .....	10,285	65,137
	White seabass .....	8,511	30,713
	California halibut .....	6,294	25,878
	Shark .....	5,980	52,924
	All other .....	9,164	91,078
Totals .....	\$579,115	5,941,556	
Los Angeles .....	Salmon .....	\$300,729	834,662
	Pacific halibut .....	77,493	255,538
	Sablefish .....	59,880	369,927
	All other .....	49,249	370,225
Totals .....	\$487,351	1,830,352	
Santa Monica .....	Spiny lobster .....	\$35,772	78,430
	Anchovy .....	34,276	1,523,393
	Rockfish .....	9,681	89,474
	Jack mackerel .....	6,340	193,893
	Sardine .....	6,181	176,605
	Albacore .....	4,422	24,526
	All other .....	12,099	115,061
	Totals .....	\$108,771	2,201,382
Dana Point .....	Spiny lobster .....	\$12,839	28,150
	All other .....	2,370	10,917
Totals .....	\$15,209	39,067	
Santa Catalina Island .....	Spiny lobster .....	\$3,609	7,912
	Swordfish .....	1,368	3,598
	All other .....	4,487	42,718
Totals .....	\$9,464	54,228	
All other ports .....	Spiny lobster .....	\$12,902	28,291
	Abalone .....	4,599	59,194
	All other .....	7,814	84,713
Totals .....	\$25,315	172,198	

TABLE 26  
*Landings of the Commercial Fishing Boats and Shipments Into the Los Angeles Region During 1952, Shown by  
 Port of Landing With the Corresponding Values*

**TABLE 27**  
**Landings of the Commercial Fishing Boats and Shipments Into the San Diego Region During 1952,**  
**Shown by Port of Landing With the Corresponding Values**

		Value	Pounds
San Diego region totals.....		\$17,181,036	113,297,073
San Diego.....	Yellowfin tuna.....	\$6,810,988	42,944,440
	Skipjack.....	3,352,140	26,005,988
	Albacore.....	2,835,722	16,404,455
	Yellowtail.....	120,285	1,289,229
	White seabass.....	109,823	270,800
	Bluefin tuna.....	55,471	326,684
	Pacific mackerel.....	47,307	1,212,999
	Barracuda.....	46,194	292,364
	Spiny lobster.....	42,020	92,678
	Bonito.....	20,813	215,795
	California halibut.....	17,864	69,687
	Abalone.....	15,521	203,418
	Shark.....	15,388	145,862
	Black sea bass.....	13,479	89,864
	Grouper.....	6,324	36,598
	Jack mackerel.....	6,276	249,048
	Rockfish.....	5,730	56,101
	Jackknife clam.....	5,374	15,522
	All other.....	21,960	212,784
	Totals.....	\$13,546,679	90,134,316
Point Loma.....	Yellowfin tuna.....	\$1,575,335	9,932,756
	Albacore.....	1,281,741	7,307,531
	Skipjack.....	700,581	5,435,077
	Yellowtail.....	14,963	160,370
	Bonito.....	6,738	69,749
	Bluefin tuna.....	4,926	29,008
	Totals.....	\$3,584,284	22,934,491
Oceanside.....	White seabass.....	\$12,052	29,656
	All other.....	7,700	33,870
	Totals.....	\$19,752	63,526
Mission Beach.....	Jackknife clam.....	\$9,225	26,644
	Totals.....	\$9,225	26,644
Salton Sea.....	Mullet.....	\$8,981	89,718
	Totals.....	\$8,981	89,718
Encinitas.....	Spiny lobster.....	\$5,540	12,219
	All other.....	3,085	12,583
	Totals.....	\$8,625	24,802
All other ports.....	All other.....	\$3,490	23,576
	Totals.....	\$3,490	23,576

**TABLE 27**  
**Landings of the Commercial Fishing Boats and Shipments Into the San Diego Region During 1952, Shown by**  
**Port of Landing With the Corresponding Values**

TABLE 28  
The Recorded State-wide Catch, in Numbers of Fish, Made by Anglers Fishing From Licensed Party Boats and the Number of Angler Days

Species	1936	1937	1938	1939	1940	1946	1947	1948	1949	1950	1951	1952
Albacore.....	410	1,368	3,880	8,730	159	11,061	8,044	15,313	23,461	114,502	75,924	187,267
Barracuda.....	595,062	742,849	374,109	792,878	761,009	388,533	689,640	413,036	363,990	251,040	269,545	336,862
Halibut, California.....	71,366	49,904	35,587	85,708	94,045	134,123	133,187	178,639	106,516	86,998	59,265	34,158
Rock bass <sup>1</sup> .....	353,278	253,423	464,642	458,778	451,679	390,761	693,035	661,085	797,328	616,898	781,009	535,832
Salmon.....	238	1,370	2,610	4,038	7,075	2,650	5,063	11,188	20,404	32,995	71,970	86,472
Sebass, white.....	12,815	12,756	16,406	32,241	17,591	12,635	21,632	25,051	62,370	58,586	44,367	41,043
Yellowtail.....	97,453	62,847	44,974	26,730	96,756	3,051	7,082	12,787	18,023	7,673	23,721	39,263
All other.....	826,857	1,009,665	1,011,396	1,271,220	1,061,169	299,944	861,746	1,279,394	959,101	1,046,901	1,024,213	1,024,978
Total number of fish.....	1,957,479	2,194,182	1,933,604	2,620,323	2,490,983	1,243,558	2,419,429	2,566,493	2,351,393	2,235,593	2,350,644	2,305,875
Number of angler days.....	204,189	328,216	217,211	241,386	273,861	209,043	447,816	533,300	490,943	602,431	556,949	587,898

<sup>1</sup> Rock bass includes two species, kelp bass (*Paralabrax clathratus*) and sand bass (*P. nebulifer*).

TABLE 28  
The Recorded State-wide Catch, in Numbers of Fish, Made by Anglers Fishing From Licensed Party Boats and the Number of Angler Days



TABLE 29

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

Species	Pounds				
	1948	1949	1950	1951	1952
Anchovy.....	7,450,993	5,604,735	7,647,640	10,283,730	13,620,879
Kingfish.....	55,047	101,934	48,545	79,458	189,171
Queenfish.....	498,298	395,769	232,618	204,097	233,545
Sardine.....	1,085,852	2,908,253	3,093,587	2,607,234	227,571
Sardine, "firecrackers".....		1,070	4,251	3,797	25,649
Smelt.....	54,788	58,156	30,824	50,181	28,299
Jack mackerel.....		433			33,126
Total pounds.....	9,144,978	9,070,350	11,057,465	13,228,497	14,358,240
Number of boats reporting...	25	23	25	22	24

TABLE 29

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

**DEPARTMENT OF FISH AND GAME OF CALIFORNIA**  
**MARINE FISHERIES BRANCH**  
**FISH BULLETINS**

- \* No. 1. Report on Fish Conditions. 1913; 48 pp., 3 figs.
- \* No. 2. The Scientific Investigation of Marine Fisheries, as Related to the Work of the Fish and Game Commission in Southern California. By Will F. Thompson. 1919; 27 pp., 4 figs.
- \* No. 3. The Spawning of the Grunion (*Leuresthes tenuis*). By Will F. Thompson, assisted by Julia Bell Thompson. 1919; 29 pp., 9 figs.
- \* No. 4. The Edible Clams, Mussels and Scallops of California. By Frank W. Weymouth. 1921; 74 pp., 19 pls., 26 figs.
- \* No. 5. A Key to the Families of Marine Fishes of the West Coast. By Edwin C. Starks. 1921; 16 pp., 4 figs.
- \* No. 6. A History of California Shore Whaling. By Edwin C. Sarks. 1922; 38 pp., 22 figs.
- \* No. 7. The Life-History and Growth of the Pismo Clam (*Tivela stultorum* Mawe). By Frank W. Weymouth. 1923; 120 pp., 15 figs., 18 graphs.
- \* No. 8. Racial and Seasonal Variation in the Pacific Herring, California Sardine and California Anchovy. By Carl L. Hubbs. 1925; 23 pp., 4 pls.
- \* No. 9. Preliminary Investigation of the Purse Seine Industry of Southern California. By Tage Skogsberg. 1925; 95 pp., 23 figs.
- \* No. 10. The Life History of *Leuresthes tenuis*, an Atherine Fish with Tide Controlled Spawning Habits. By Frances N. Clark. 1925; 51 pp., 6 graphs, 7 pls., front.
- \* No. 11. The California Sardine. By the Staff of the California State Fisheries Laboratory. 1926; 221 pp., 74 figs.
- \* No. 12. The Weight-Length Relationship of the California Sardine (*Sardina caerulea*) at San Pedro. By Frances N. Clark. 1928; 58 pp., 11 figs.
- \* No. 13. Seasonal Average Length Trends at Monterey of the California Sardine (*Sardina caerulea*). By Carroll B. Andrews. 1928; 12 pp., 6 figs.
- \* No. 14. Report on the Seals and Sea Lions of California: 1928. By Paul Bonnot. 1929; 61 pp., 38 figs.
- \* No. 15. The Commercial Fish Catch of California for the Years 1926 and 1927. By the Bureau of Commercial Fisheries. 1929; 93 pp., 52 figs.
- \* No. 16. The Life History of the California Jack Smelt, *Atherinopsis californiensis*. By Frances N. Clark. 1929; 22 pp., 12 figs., front.
- \* No. 17. Sacramento-San Joaquin Salmon (*Oncorhynchus tshawytscha*) Fishery of California. By G. H. Clark. 1929; 73 pp., 32 figs.
- \* No. 18. The Pismo Clam: Further Studies of Its Life History and Depletion. By William C. Herrington. 1930; 67 pp., 16 figs.
- \* No. 19. Sardine Fishing Methods at Monterey, California. By W. L. Scofield. 1929; 61 pp., 27 figs.
- \* No. 20. The Commercial Fish Catch of California for the Year 1928. By the Staff of the Bureau of Commercial Fisheries. 1930; 109 pp., 62 figs.
- \* No. 21. Analysis of Boat Catches of White Sea Bass (*Cynoscion nobilis*) at San Pedro, California. By S. S. Whitehead. 1930; 26 pp., 20 figs.
- \* No. 22. A Bibliography of the Tunas. By Genevieve Corwin. 1930; 103 pp.
- \* No. 23. Success of the Purse Seine Boat in the Sardine Fishery at Monterey, California (1929–1930 Fishing Season). By J. B. Phillips. 1930; 28 pp., 19 figs.
- \* No. 24. An Analysis of the Catch Statistics of the Striped Bass (*Roccus lineatus*) Fishery of California. By J. A. Craig. 1930; 41 pp., 22 figs., front.

\* Out of Print.

- \* No. 25. Fishing Areas Along the California Coast for the Sardine (*Sardina caerulea*). By the California State Fisheries Laboratory. 1930; 44 pp., 25 figs.
- \* No. 26. Seasonal Changes in the Daily Average Length of the California Sardine, *Sardina caerulea*. By Frances N. Clark. 1930; 20 pp., 11 figs.
- \* No. 27. The Ring Net, Half Ring Net, or Purse Lampara in the Fisheries of California. By Donald H. Fry, Jr. 1931; 65 pp., 28 figs.
- \* No. 28. Handbook of Common Commercial and Game Fishes of California. By Lionel A. Walford. 1931; 181 pp., 137 figs., front.
- \* No. 29. The Striped Bass of California (*Roccus lineatus*). By Eugene C. Scofield. 1931; 82 pp., 47 figs.
- \* No. 30. The Commercial Fish Catch of California for the Year 1929. By the Staff of the Bureau of Commercial Fisheries. 1931; 133 pp., 75 figs.
- \* No. 31. Studies of the Length Frequencies of the California Sardine (*Sardina caerulea*). By the California State Fisheries Laboratory. 1931; 53 pp., 24 figs.
- \* No. 32. The California Halibut (*Paralichthys californicus*) and an Analysis of the Boat Catches. By G. H. Clark. 1931; 52 pp., 25 figs., front.
- \* No. 33. Fishing Methods for the Bluefin Tuna (*Thunnus thynnus*) and an Analysis of the Catches. By S. S. Whitehead. 1931; 32 pp., 22 figs.
- \* No. 34. Salmon of the Klamath River, California. By John O. Snyder. 1931; 130 pp., 44 figs.
- \* No. 35. A Distributional List of the Species of Freshwater Fishes Known to Occur in California. By Barton Warren Evermann and Howard Walton Clark. 1931; 67 pp.
- \* No. 36. A Bibliography of the Sardines. By Genevieve C. Wheeler. [1932]; 133 pp., front.
- \* No. 37. The California Barracuda (*Sphyræna argentea*). By Lionel A. Walford. 1932; 120 pp., 32 figs., 6 pls., front.
- \* No. 38. The California Shrimp Industry. By Paul Bonnot. 1932; 20 pp., 11 figs.
- \* No. 39. Fluctuations in the Abundance of Striped Bass (*Roccus lineatus*) in California. By G. H. Clark. 1933; 18 pp., 7 figs.
- \* No. 40. The California Mackerel Fishery. By Richard S. Croker. 1933; 149 pp., 73 figs.
- \* No. 41. Early Life History of the California Sardine (*Sardina caerulea*), with Special Reference to Distribution of Eggs and Larvae. By Eugene C. Scofield. 1934; 48 pp., 24 figs.
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