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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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**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 Landings¹**



By
the Staff of the
1954

¹ Submitted for publication September, 1953.



FIGURE 1

FIGURE 1

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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."

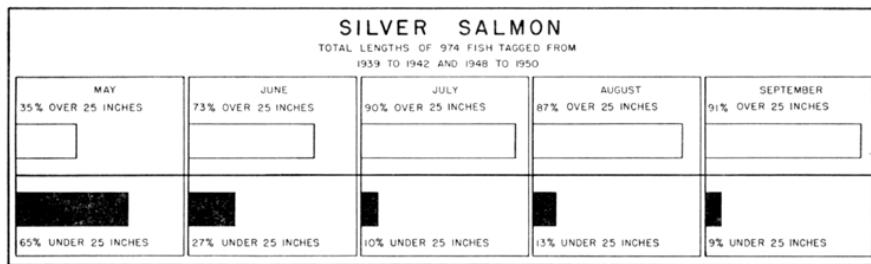


FIGURE 2. Proportion of legal sized and undersized silver salmon throughout the season. All marketable silver salmon are in their third year of life and are growing rapidly as the season progresses. Silvers in their second year are far below the 25-inch legal size limit, and almost no California silver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

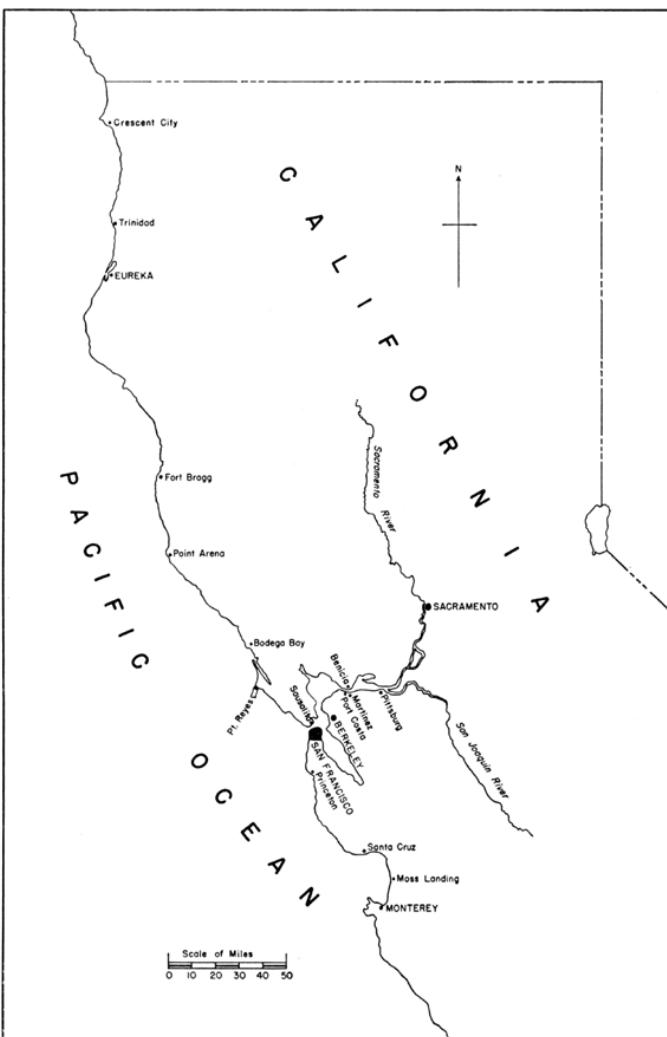


FIGURE 3. Salmon ports of California. This map shows only those ports which received more than 10,000 pounds of salmon during 1952.

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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		1,730,269 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	444,843	192,339	69,793	9,089		1,107,063 lbs.
	Silver.....		0	459	991	0	0		1,450 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.....		900,611	1,800,478	1,968,152	757,373	620,432		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 I
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. 0 lbs.
	Silver.....	0	0	0	0	0
	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 4,819	1,800,478 55,100	1,668,152 317,761	781,193 317,206	1,348,457 55,749
	Silver.....	0	0	0	0	0
	Total.....	11,376	919,380	1,855,578	1,985,913	1,098,399	1,404,206
	Percent Silver...	0	0.5	3.0	16.0	28.9	4.0

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.....	King.....	7,417	59,815	120,637	101,302	21,215	310,386 lbs.
(includes Crescent City only)	Silver.....	222	4,295	244,940	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.....	King.....	12,309	198,104	79,109	119,163	16,598	425,283 lbs.
(includes Trinidad and Field's Landing)	Silver.....	150	38,297	45,081	35,994	1,443	120,565 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.....	King.....	154,387	287,407	364,401	175,339	33,066	1,014,600 lbs.
(includes from Shelter Cove to Point Arena)	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.....	4,810	53,016	314,943	310,034	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.

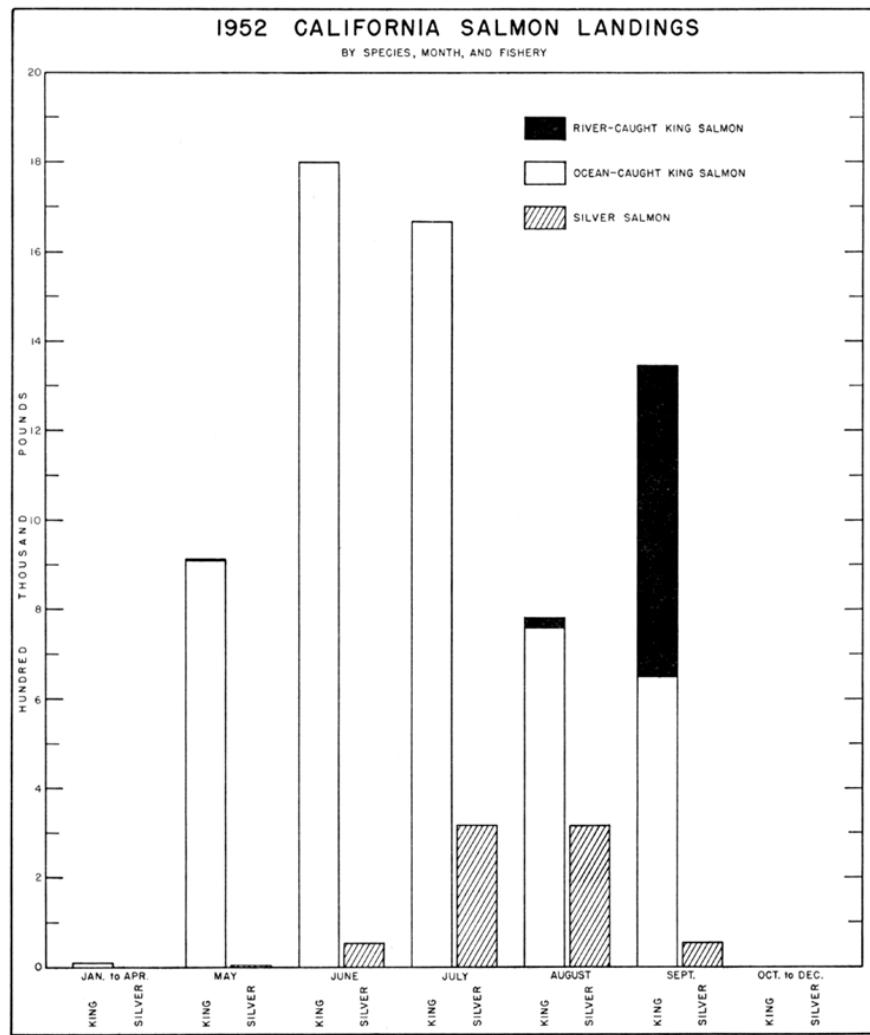


FIGURE 4. 1952 salmon landings by months, separated into ocean-caught kings, river-caught kings, and silvers. All California's commercially caught silver salmon are taken in the ocean. The ocean salmon season is open from May 1st through September 30th. The river season is open from January 1st through 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

Common name	Scientific name
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>Seriphus 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, Califor- nia	<i>Palometa simillima</i>
Rock bass	
Kelp bass	<i>Paralabrax clathratus</i>
Sand bass	<i>Paralabrax nebulifer</i>
Rockfish	All species of <i>Sebastodes</i> and <i>Sebastolobus</i>

Sablefish	<i>Anoplopoma fimbria</i>
Salmon	
King	<i>Oncorhynchus tshawytscha</i>
Silver	<i>Oncorhynchus kisutch</i>
Sanddab	<i>Citharichthys sordidus</i>
Small amounts of other species	
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>Micromugil proximus</i>
Tuna	
Albacore	<i>Thunnus germo</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 starksii</i> Young of several other species
Whitefish, ocean	<i>Caulolatilus princeps</i>
Yellowtail	<i>Seriola dorsalis</i>
Crab	<i>Cancer magister</i>
Crab, rock	Other species of <i>Cancer</i>
Lobster, spiny	<i>Panulirus interruptus</i>
Prawn	<i>Pandalus</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>

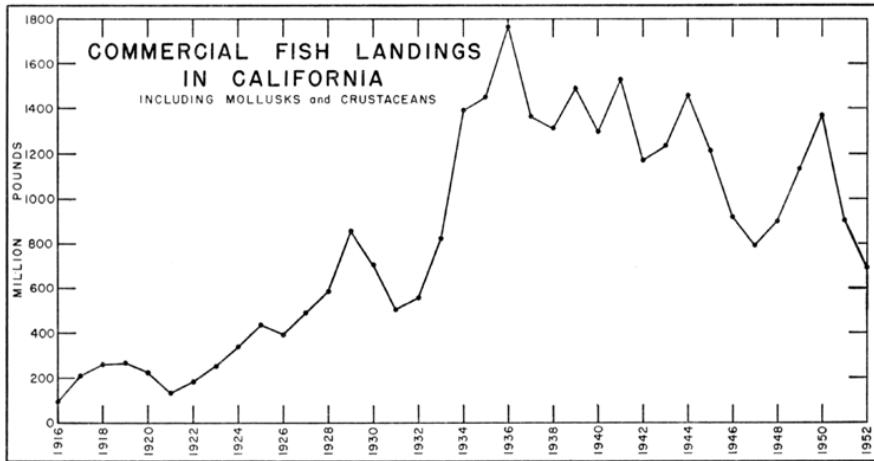


FIGURE 5. Total annual landings and shipments into California of commercial fish, mollusks and crustaceans. Includes sardine deliveries to reduction ships during 1930 through 1938. See Table 3.

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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.

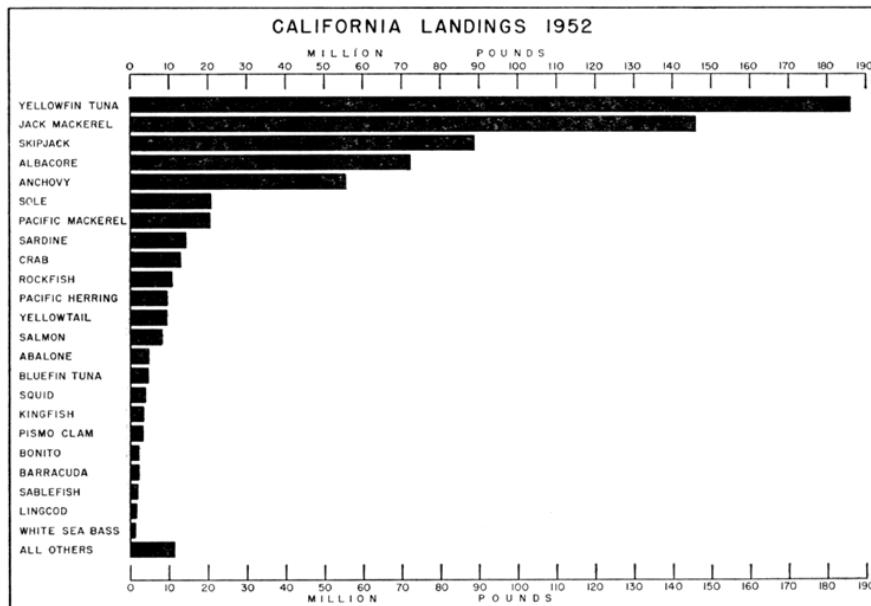


FIGURE 6. The relative landings in 1952 of the more important commercial species. Includes shipments with the catch of the California fleet. See Table 4.

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.....	1,880,589
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

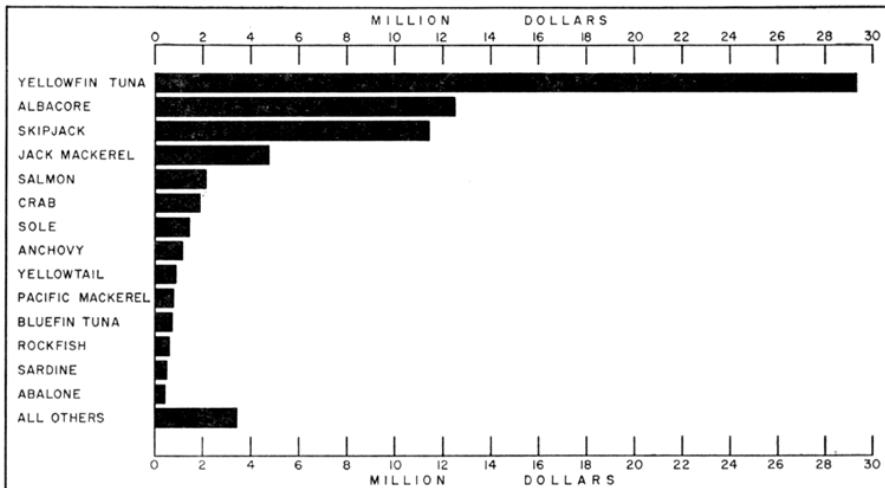


FIGURE 7. The relative value in 1952 of the more important commercial species. This chart is based on the figures in Table 5, which are derived from the comparable figures in Tables 5 and 20.

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.....	431,094
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.....	99	295	99	7	4	665	
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	144	
Los Angeles.....	343	1,040	433	127	45	28	2,016
San Diego.....	124	313	174	25	51	120	807
Alaska, Washington and Oregon.....	31	305	57	6	6	405
Other registry.....	4	4
Total number of boats.....	820	2,779	1,311	272	109	163	5,454 ¹

¹ The owners of 987 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

Shipped from	Shipped to					Total pounds
	Sacramento region	San Francisco region	Monterey region	Los Angeles region	San Diego region	
Continental United States:						
Carp.....	478	977	2,784	2,784
Catfish.....	1,455
Dolphinfish.....	2,350	2,350
Tuna, albacore.....	10,537	10,537
Miscellaneous fish.....	188,665	188,665
Oregon, Washington, British Columbia and Alaska:						
Catfish.....	215	215
Hake, Pacific.....	4,000	255,338	259,338
Sablefish.....	178,429	367,302	545,722
Salmon.....	17,463	834,662	832,125
Sole.....	240	240
Tuna, albacore.....	201,172	201,172
Miscellaneous fish.....	5,630	5,630
South of the international boundary:						
Barracuda.....	587	587
Bonefish.....	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
Shrimps.....	563	563
Tuna, albacore.....	16,084	16,084
Tuna, skipjack.....	271,626	271,626
Tuna, yellowfin.....	2,332,818	2,332,818
Mollusk:						
Clam, Pismo.....	3,192,254	3,192,254

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.....	2,435,117	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 ¹	40,825	36,000	76,825
Total pounds.....	693	4,853,287	2,466,289	30,300,626	1,332,664	38,953,559

	Pounds		Pounds
Recapitulation:			
Barreuda.....	587	Salmon.....	852,125
Bonito.....	2,306	Sea bass, black.....	4,556
Carp.....	2,784	Seabass, white.....	1,663
Catfish.....	1,644	Sheld.....	533
Cod, California, Mexican.....	4,243	Sole.....	240
Eel.....	2,350	Swordfish.....	47,540
Halibut, California.....	219	Tuna, albacore.....	22,532,548
Halibut, Pacific.....	259,538	Tuna, skipjack.....	4,155,541
Rockfish.....	2,695	Tuna, yellowfin.....	7,080,107
Sablefish.....	545,722	Miscellaneous fish.....	194,703
		Mollusk:	
		Clam, Japanese ¹	76,825
		Clam, Pismo.....	3,192,254
		Total pounds.....	38,953,559

¹ Cleaned weight, no conversion factor available.

TABLE 10—Cont'd.

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

Species	Fishing boat landings			Shipments ^a	Total pounds of fishing boat landings and shipments combined	
	California	North of the state boundary	South of the international boundary			
Anchovy.....	55,782,870	----	----	55,782,870	55,782,870	
Barracuda.....	747,667	----	1,346,539	587	2,094,733	
Bonito.....	7,504	----	2,135,013	2,306	2,144,823	
Cabezon.....	34,494	----	34,494	----	34,494	
Calico.....	-----	574,333	574,333	-----	574,333	
Carp.....	809,735	----	809,735	2,784	812,519	
Catfish.....	178,630	----	178,630	1,670	180,300	
Corvina, Mexican.....	-----	-----	-----	4,233	4,233	
Eel.....	-----	-----	-----	2,350	2,350	
Flounder.....	595,470	1,719	597,189	-----	597,189	
Flyingfish.....	50,736	-----	50,736	-----	50,736	
Grouper.....	-----	829,807	829,807	-----	829,807	
Hake.....	6,145	-----	6,145	-----	6,145	
Halibut, California.....	473,620	-----	51,691	219	525,330	
Halibut, Pacific.....	242,123	-----	242,123	259,538	501,661	
Haddock.....	1,550	-----	1,550	-----	1,550	
Herring, Pacific.....	9,209,386	286,000	9,495,386	-----	9,495,386	
Kingfish.....	3,273,384	140	3,273,524	-----	3,273,524	
Lingcod.....	1,350,931	12,603	1,365,601	-----	1,365,601	
Mackerel, jack.....	146,382,562	-----	136,511	146,621,673	146,621,673	
Mackerel, Pacific.....	20,264,451	-----	340,220	20,604,671	20,604,671	
Mullet.....	90,212	-----	90,212	-----	90,212	
Pewit.....	20,227	-----	20,227	-----	20,227	
Pompano, California.....	32,124	-----	32,124	-----	32,124	
Rock bass.....	39,165	-----	47,580	86,745	86,745	
Roefish.....	10,430,723	250,007	66,235	10,430,183	2,695	10,722,880
Sablefish.....	1,234,151	21,416	1,342,267	1,342,267	1,342,267	
Salmon.....	7,259,499	15,527	7,275,026	852,125	8,127,151	
Sanddab.....	658,742	1,132	659,874	-----	659,874	
Sardine.....	14,189,20	-----	141,000	13,830,150	14,330,150	
Sealipite.....	83,610	-----	83,610	-----	83,610	
Sea bass, black.....	5,272	-----	308,222	313,494	4,556	318,050
Seabass, white.....	692,232	-----	454,811	1,147,043	1,663	1,148,706
Seatrat, greenling.....	483	-----	483	483	483	

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

COMMERCIAL FISH CATCH OF CALIFORNIA FOR 1952

Sword.....	640,377	----	640,277	----	640,277
Shark.....	611,841	----	621,238	----	621,238
Sheep-head.....	32,676	3,555	36,231	----	36,231
Stern.....	-----	2,549	2,549	2,549	2,549
Skate.....	138,624	92	138,716	----	138,716
Sole.....	646,116	-----	540,116	563	540,079
Sole.....	19,581,827	1,337,966	20,919,763	240	20,920,033
Splittail.....	1,450	-----	1,450	----	1,450
Stickleback.....	1,074	-----	1,074	1,074	1,074
Swordfish.....	262,474	3,216	265,690	47,540	312,230
Tomcod.....	976	976	976	976	976
Tuna, albacore.....	23,102,341	3,389	26,697,001	49,892,791	22,525,248
Tuna, bonita.....	907,175	3,669,470	4,576,355	4,576,355	4,576,355
Tuna, skipjack.....	534	84,733,592	84,736,126	4,155,541	88,891,697
Tuna, yellowfin.....	-----	178,437,493	178,437,493	7,080,197	185,517,690
Turbot.....	81,884	-----	81,884	-----	81,884
Whiting.....	-----	5,883	5,883	5,883	5,883
Whitebait.....	152,115	-----	152,115	-----	152,115
Whitefish, ocean.....	2,083	6,725	8,808	-----	8,808
Yellowtail.....	51,116	9,395,543	9,446,979	9,446,979	9,446,979
Miscellaneous fish.....	137,231	4,366	299	141,896	194,703
Total pounds.....	344,664,488	1,956,102	309,402,841	656,023,431	38,933,559
					694,976,990

¹For origin of shipments refer to Table 10.²Cleaned weight, no conversion factor available.

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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	88,753	1,888	626,191	1,327,326	3,619,538	6,268,254	6,018,493	2,528,819	19,557,671	11,705,680	4,020,961	55,782,870
Barracuda.....	176,032	192,327	27,080	234,488	401,027	203,999	181,407	159,093	66,735	21,675	165,393	12,094,936	12,094,936
Beach, sand.....	1,792	31,704	1,209	1,080	1,080	1,080	1,080	211,940	89,157	90,217	130,130	118,314	12,417
Cabron.....	6,526	8,992	5,508	3,203	1,701	1,888	1,888	1,888	1,888	545	58	1,239	3,033
Catrilla.....	56,858	74,251	106,135	82,031	67,055	40,180	25,924	—	—	—	51,708	130,543	57,433
Carr.....	39,200	68,225	103,202	138,632	63,490	47,945	137,928	37,178	49,344	44,896	29,618	49,533	809,735
Cuttlefish.....	12,480	12,480	3,802	1,000	1,000	1,000	1,000	1,000	1,000	1,000	31,048	54,282	179,030
Flounder.....	72,824	109,307	51,034	28,513	31,895	37,781	44,211	65,895	67,603	67,527	2,501	507,189	—
Flyingfish.....	—	—	—	—	—	—	—	—	—	—	—	—	507,189
Grouper.....	120,669	160,634	95,915	48,547	36,984	17,421	36,850	—	—	—	419	100,112	239,534
Hake.....	—	—	—	1,403	455	—	—	4,000	285	—	—	—	6,145
Hallibut, California.....	40,760	98,799	70,747	67,223	43,693	26,475	27,010	37,080	19,710	35,778	30,265	27,148	525,311
Hallibut, Pacific.....	15,592	83,963	7,238	5,170	4,890	48,471	21,143	3,048	2,424	3,314	5,627	4,929	242,123
Haddock.....	—	—	—	—	—	—	—	—	—	—	—	—	15,590
Herring, Pacific.....	1,367,722	1,658,421	155,750	261,194	1,637,491	1,317,000	1,777,155	481,098	555,100	2,750	17,091	34,619	9,495,386
Kingfish.....	12,482	57,953	45,934	113,293	130,355	283,411	220,200	589,084	656,614	715,166	219,460	226,734	3,271,534
Lingcod.....	32,676	67,358	57,892	101,625	113,132	170,594	225,206	185,591	157,409	150,378	103,093	26,644	1,365,601
Mackerel, jack.....	5,897	50,440	22,000	7,000	4,000	5,000	5,000	5,000	17,200	50,000	10,000	32,000	146,000
Mackerel, Pacific.....	397,510	18,839	51,223	103,716	927,471	1,925,737	6,254,000	3,594,916	2,217,780	3,207,784	1,723,137	182,558	20,604,971
Mullet.....	23,510	16,958	7,132	6,316	—	—	—	—	—	—	22,839	14,337	90,212
Porpoise.....	13,393	14,412	41,017	49,212	1,911	60,628	42,106	25,221	14,366	14,922	12,570	7,471	297,227
Pompano, California.....	10,149	14,750	6,257	6,257	6,257	6,257	6,257	6,257	6,257	6,257	6,257	6,257	37,714
Rock bass.....	9,689	29,259	6,717	1,243	2,776	11,985	9,223	4,588	3,231	3,231	3,239	1,639	2,698
Rockfish.....	612,955	1,135,327	97,502	1,330,472	1,012,166	841,573	758,383	708,657	905,659	1,044,284	898,199	494,959	10,720,185
Sablefish.....	65,953	128,464	77,100	100,000	100,000	100,000	100,000	100,000	100,000	100,000	64,460	22,334	1,341,477
Salmon.....	38,460	9,880	9,880	9,880	9,880	1,025,380	1,986,009	1,099,009	1,099,009	1,099,009	1,099,009	1,099,009	7,050,056
Seadragon.....	47,388	41,342	35,000	81,270	35,792	59,729	78,284	81,706	61,834	62,224	31,561	53,874	538,874
Sardine.....	2,875,815	425,465	267,453	460,332	441,775	332,153	354,415	588,237	521,785	4,529,655	2,067,148	1,466,157	14,330,420
Seal.....	14,541	14,541	14,541	14,541	14,541	14,541	14,541	14,541	14,541	14,541	14,541	14,541	14,541
Sea bass, black.....	12,415	20,366	9,000	24,166	34,837	21,089	37,452	1,167	24,115	84,894	29,678	18,847	313,494
Seabass, white.....	26,547	75,951	24,501	38,414	152,505	122,629	206,419	188,838	144,538	111,546	18,243	36,912	1,147,043
Seatrat, greenling.....	15	216	5,952	85	381	381	381	10	18	119	20	483	483
Shad.....	49,652	63,823	57,354	266,829	389,454	70,880	60,415	39,086	33,192	22,162	28,215	51,168	628,298
Sheepshead.....	8,892	3,032	381	65	357	993	559	248	172	5,921	9,000	6,641	36,231

CALIFORNIA DEPARTMENT OF FISH AND GAME

COMMERCIAL FISH CATCH OF CALIFORNIA FOR 1952

Sierra.....	809	501	15,266	708	7,723	416	6,657	6,304	16,977	8,015	11,783	7,821	10,757	138,716	2,549	
Skate.....	12,693	18,172	15,266	16,626	7,723	416	6,657	6,304	16,977	8,015	11,783	7,821	10,757	4,018	6,674	
Sole.....	70,343	90,722	35,223	35,223	2,241,502	2,642,938	2,828,693	2,030,519	2,031,530	2,030,624	1,906,564	1,763,833	901,291	20,919,792	255,600	
Soletail.....	286	366	120	30	2,241,502	2,642,938	2,828,693	2,030,519	2,031,530	2,030,624	1,906,564	1,763,833	901,291	20,919,792	4,018	
Stingray.....	4,450	2,224	2,771	834	1,244	23,789	102,988	30,310	64,157	19,659	70	—	—	—	—	
Swordfish.....	69	24	170	—	—	—	—	—	—	—	—	—	—	—	576	
Tomalley.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Tuna, albacore.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Tuna, bluefin.....	156	—	—	—	11,064	234,840	875,199	5,263,631	178,124	10,513	3,167	—	—	—	4,376,855	
Tuna, skipjack.....	1,290,800	1,872,972	2,453,430	3,393,035	4,398,461	6,872,510	8,093,612	10,801,841	12,160,955	12,223,629	8,130,342	12,869,820	8,473,126	17,845,463	2,549	
Dana, yellowtail.....	72,000	67,700	16,110	20,200	18,560,000	25,600,000	16,800,000	16,470,000	17,200,000	12,520,000	8,200,000	8,751,731	12,720,000	17,845,463	255,600	
Turbot.....	4,482	15,237	7,759	10,992	6,032	8,121	5,263	6,381	6,955	7,203	1,359	51,884	—	—	—	
Wahoo.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Whiting.....	7,649	15,812	15,539	29,103	27,362	29,235	20,874	5,957	243	1,953	18	189	—	—	152,115	
Whitefish, ocean.....	2,023	2,738	1,177	315	49	330	11	195	14	301	538	805	8,908	—	—	
Yellowtail.....	15,448	117,118	51,397	396,074	161,369	861,118	870,038	3,387,875	2,734,919	244,602	256,635	350,276	9,446,970	141,896	—	
Miscellaneous fish.....	8,098	27,490	8,335	12,193	8,431	7,110	10,445	5,646	1,221	47,832	3,830	1,449	—	—	—	
Crustacean.....	2,046,782	2,021,520	1,508,834	1,601,208	1,180,025	332,900	315,231	—	—	—	2,046,488	1,621,041	12,997,411	—	—	
Crab, rock.....	1,154	345	112	—	—	—	—	—	—	—	5,583	6,288	3,515	16,977	—	
Lobster, spiny.....	133,310	124,827	37,910	—	—	—	—	—	—	—	202,872	158,529	149,989	807,237	—	
Prawns.....	23	34	44	457	41	887	48	105	84	43	43	43	43	43	43	
Shrimp, bay.....	12,830	11,035	19,153	44,831	41,140	61,760	145,799	132,865	177,943	136,811	65,692	60,029	912,538	205,485	—	
Shrimp, ocean.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Mollusk.....	331,680	—	304,008	499,010	762,308	458,275	600,471	337,514	414,452	417,636	348,982	309,697	4,784,033	—	—	
Oakah.....	—	138	270	229	276	230	230	1,901	276	532	40	40	1,202	—	—	
Clam, paper.....	920	1,705	2,558	3,719	8,696	6,884	7,847	7,847	5,319	2,711	1,391	977	50,996	—	—	
Clam, jackknife.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Clam, Washington.....	389	4,424	1,441	378	—	—	—	—	—	—	635	665	981	9,455	—	
Mussel.....	—	—	—	—	—	—	—	—	—	—	—	—	352	—	—	
Otterfish.....	2,675	3,228	2,118	2,473	1,332	1,901	122	209	167	167	1,165	1,404	869	18,592	—	
Oyster, eastern.....	17,779	16,440	15,548	18,874	14,003	7,710	8,748	7,879	9,099	12,471	11,980	16,328	169,757	—	—	
Oyster, Pacific.....	11,277	17,282	37,848	18,116	10,347	12,396	27,159	15,720	15,720	15,720	15,720	15,720	15,720	141,553	—	
Squid.....	553	57,008	291,497	118,835	618,780	648,610	607,075	571,088	151,671	325,244	389,569	3,670,023	—	—	—	
Total pounds.....	24,422,340	16,341,544	26,437,139	41,211,005	42,019,992	54,400,811	89,370,499	85,092,911	97,230,219	85,171,653	74,321,433	39,835,951	556,023,431	—	—	—
Shipments ¹	—	—	—	—	—	72	—	—	—	—	515	—	587	—	—	—
Barracuda.....	—	—	—	—	—	—	—	—	—	—	—	—	2,306	—	—	—
Bonito.....	—	—	—	—	—	—	—	—	—	—	—	—	2,741	—	—	—
Catfish.....	—	—	—	—	—	—	—	—	—	—	—	—	1,670	—	—	—
Codfish, Mexican.....	1,670	—	—	—	—	—	—	—	—	—	—	—	4,233	4,233	4,233	—

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.
Ed... Halibut, California													2,350
Halibut, Pacific	45,910	26,148			26,251	12,908	51,473	74,855				219	219
Rockfish...					1,660	1,035						17,933	25,558
Sablefish...	20,190	80,706		34,738	33,591	29,000	35,140	43,909	110,049	80,885	55,467		2,658
													545,722
Salmon...	144,948	57,549	137,179	30,697	112,469	38,783	43,925	95,537	13,880	2,005	81,532	94,201	852,125
Sea bass, black													1,456
Seabass, white...								15					1,648
Smelt...													563
Sole...		563											563
		240											240
Swordfish...													47,840
Tuna, albacore	203,605	1,220,470	1,743,052	2,848,488	3,117,108	1,617,800	4,372,576	5,905,685	375,698				22,525,248
Tuna, skipjack	48,182	10,267	14,841	1,187,400	437,537	1,291,678	364,334	130,722	445,140	147,750			68,140
Tuna, yellowfin	284,609	3,825	415,225	1,601,551	1,491,200	509,942	567,099	375,154	1,479,862	72,640	10,154		4,155,511
Miscellaneous fish...		28,810	5,514			8,350	38,275	2,000	438	25,841	20,420	55,650	7,086,175
													194,703
Mollusks:													
Clam, Japanese ¹													
Clam, Pismo	196,928	331,836	70,872		40,000	825	518,494	273,218	698,114	185,944	47,418		36,000
Total pounds...	946,281	2,075,829	2,416,359	4,822,924	5,660,321	4,129,473	6,234,997	7,245,420	2,636,728	1,031,081	477,740	1,276,709	38,953,569
Grand total fishing boat landings and shipments...	25,368,621	18,417,070	28,853,495	46,033,929	47,680,313	58,590,284	75,605,433	92,325,331	99,869,947	86,202,734	74,799,173	41,230,660	694,976,960

¹For origin of shipments refer to Table 10.

²Cleaned weight, no conversion factor available.

TABLE 12
Monthly Landings and Shipments Into California During 1952

COMMERCIAL FISH CATCH OF CALIFORNIA FOR 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.	
<i>Fishing boat landings from California waters:</i>														
Carp.....	33,296	12,731	3,877	1,638	16,956	32,690	79,376	41,115	37,423	36,248	5,730	200	79,376	
Flounder.....	5,100	18,631	9,101	34,939	71,630	83,140	70,125	84,124	84,078	93,325	59,060	4,614	60,541	
Haddock, Pacific.....	2,132	3,633	46,340	13,917	333	775	157	615,359	
Herring, Pacific.....	55,441	5,100	12,731	3,877	16,956	32,690	79,376	41,115	37,423	36,248	5,730	200	65,185	
Lingcod.....	3,633	46,340	13,917	333	775	157	
Percy.....	90,117	632	13,741	11,854	19,761	207,727	30,001	6,191	1,223	1,518	438	60	35,785	
Poachfish.....	90,615	24,161	116,411	316,867	191,761	30,001	158,357	207,727	207,727	315,477	278,645	51,206	2,401,967	
Sablefish.....	15,604	32,610	21,361	33,107	30,009	102,265	35,336	41,512	96,323	107,323	45,379	9,352	638,858	
Sabine.....	17,832	30,912	8,921	7,021	7,021	13,218	13,218	2,417,632	2,417,632	
Sand dab.....	10,239	9,581	3,087	11,198	9,201	15,639	15,221	12,390	13,653	7,784	2,263	200	111,908	
Shark.....	77	150	17	90	10	586	650	40	5,931	
Shore.....	619	400	400	400	104,401	
Skate.....	13,431,266	
Snell.....	806	806	
Sole.....	327,018	418,118	289,442	1,053,492	1,898,10	2,039,650	1,374,090	1,432,850	1,541,183	1,462,464	1,442,512	637,618
Toniced.....	636	170	
Tuna, albacore.....	
Turbot.....	1,377	3,121	697	85	13,160	14,116	16,092	1,300	101	2,981,799	576,093	2,822	3,452,648	
Whitefish.....	4,638	12,499	8,968	13,619	4,851	3,399	1,534	639	2,711	1,372	744	250	9,422	
Miscellaneous fish.....	2,901	4,752	1,115	81	154	41,839	3,526	85,191	
Crustacean:	61,601	
Crab.....	1,788,152	1,796,056	1,440,407	1,791,766	1,121,834	285,883	100,007	1,591	1,591	140	35,869	569,247	
Shrimp, ocean.....	1,466	530	239	8,959,221	
Mollusk:	2,875	
Clam, Washington.....	385	4,424	1,441	378	325	653	987	9,256	
Octopus.....	233	158	389	125	75	73	1,073	1,073	
Total pounds.....	2,392,941	2,563,273	1,920,224	3,324,148	3,570,861	3,448,324	2,816,826	3,290,237	4,236,160	2,648,658	1,908,978	1,307,276	33,370,909	

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 the state boundary:													
Flounder	326	2,344	1,066	1,555	779	539	75	858	75	363	41	1,719	12,603
Lingcod	1,112	3,886	3,151	2,063	1,552	1,544	732	1,262	1,261	235,227	—	—	235,227
Rockfish	155,820	2,640	7,769	7,123	2,639	4,477	9,395	10,601	2,328	542	2,549	2,416	13,327
Seabream	—	—	—	—	—	—	10,163	1,119	2,975	2,389	—	—	—
Salmon	—	—	—	—	—	—	—	—	—	—	—	—	—
Sandab	241	160	341,441	91,448	165,888	167,447	180,730	452	—	42,687	90,785	44,268	1,132
Sole	44,997	80,199	—	—	—	—	—	—	—	—	—	—	1,337,966
Tuna, albacore	—	—	—	—	—	—	—	—	—	—	—	—	3,388
Miscellaneous fish	—	—	—	—	—	—	—	—	—	—	—	—	4,366
Crustacean:	—	—	—	—	—	—	—	—	—	—	—	—	—
Crab	5,967	23,137	8,420	—	—	1,233	—	—	—	—	—	—	38,757
Total pounds.	202,496	130,036	380,336	108,795	175,170	185,926	208,108	93,453	47,396	93,877	44,309	1,670,102	—
Grand totals, Eureka region	2,382,941	2,765,709	2,080,260	3,704,084	3,679,659	3,023,494	3,009,732	3,498,345	4,329,613	2,696,054	2,002,585	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:	26,368	51,510	75,446	119,571	54,937	38,763	46,180	27,679	29,384	27,866	14,818	48,483	581,305
Catfish:	12,480	3,732	6,326	26,788	406	30,082	31,010	34,628	31,222	177,464
Hardhead:	6,451	4,950	2,255	13,245	15,550	73,171
Salmon:	385	1,860	2,480	3,817	266,737	369,486	23,820	698,025	640,010
Shad:	286	336	120	30	648
Splittail:	1,510	8,000	1,450
Tuna, albacore:	118	19	265	8	9,510
Miscellaneous fish:	410
Total pounds:	49,519	57,528	88,789	420,245	129,788	38,763	46,180	51,469	798,404	60,124	59,701	93,050	2,163,900
Shipments: ¹	693	693	693
Total pounds:	693	693	693
Grand totals, Sacramento region:	50,212	57,528	88,789	420,245	129,788	38,763	46,180	51,469	798,404	60,124	59,701	93,050	2,164,563

¹ 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.
<i>Fishing boat landings from California waters:</i>													
Ashorry	4,080	385	25,560	133,830	67,990	16,480	500,283	1,169,409	2,219,615	1,690,343	83	5,831,115	6,132
Angler	2,444	81	350	301	660	394	50	1,166,409	1,169,409	1,169,409	83	1,166	1,166
Catiron	1,106	—	—	—	—	—	—	—	—	—	—	—	1,106
Catfish	93,236	45,908	23,464	11,104	4,710	6,62	23,989	30,027	31,204	11,134	2,265	322,675	322,675
Flounder	—	—	—	—	365	455	—	255	—	—	—	—	1,305
Hake	—	—	—	—	—	—	—	—	—	—	—	—	—
Hallibut, California	1,722	9,296	804	574	140	237	86	305	183	351	659	4,482	19,650
Hallibut, Pacific	15,562	82,663	7,239	5,170	1,290	2,131	2,538	3,235	1,649	3,157	5,927	40,339	175,938
Herring, Pacific	5,101,336	1,653,221	9,115	131	—	—	—	—	—	—	1,175	1,175	3,223,14
Kinifish	565	744	168	864	731	885	523	1,232	1,260	2,958	1,741	12,455	12,455
Lingcod	22,960	39,763	40,050	49,086	31,198	67,634	131,005	60,748	58,759	48,380	32,115	12,155	563,685
Mackerel, Jack	—	—	—	—	—	—	—	—	—	—	—	—	—
Mackerel, Pacific	—	—	—	—	—	—	—	—	—	—	—	—	—
Pompano, California	3,719	5,682	14,751	23,963	—	—	—	—	—	—	—	—	2,111
Pompano, Pacific	33	28	205	160	—	—	—	—	—	—	—	—	392
Perch	69	—	—	—	—	—	—	—	—	—	—	—	81,714
Rock bass	—	—	—	—	—	—	—	—	—	—	—	—	526
Rockfish	195,816	206,182	374,394	367,801	471,131	290,100	186,340	146,501	287,233	329,720	329,815	282,197	3,580,150
Sablefish	13,197	21,114	8,893	17,114	16,155	17,114	15,211	15,211	25,550	25,550	25,550	24,630	24,630
Salmonid	—	—	—	—	32,927	31,690	81,211	91,580	22,918	55,485	—	—	2,697,332
Sanddab	23,630	21,073	15,621	28,740	36,093	23,113	3,990	41,700	25,071	36,535	24,620	15,133	323,637
Seahus, white	1,681	238	—	—	—	—	223	755	1,285	135	128	1,115	5,620
Shark	24,677	27,299	12,376	1,242	125	5,728	5,127	20,598	17,595	1,219	9,478	132,902	132,902
Skate	11,655	16,355	12,380	11,615	6,120	6,330	12,150	6,518	9,980	7,625	8,300	114,575	114,575
Smelt	32,647	45,170	36,352	24,664	14,548	21,794	21,935	31,088	27,126	31,088	3,731	281,560	281,560
Sole	358,791	417,130	283,006	493,204	416,468	330,937	335,996	295,138	333,007	302,347	195,182	207,098	3,967,804
Tomcod	55	24	—	—	—	—	—	—	—	21	70	—	170
Tuna, albacore	2,995	11,667	6,683	8,410	5,115	1,669	2,917	72,874	243,166	2,676,127	299,631	105,569	5,199,884
Turbot	3,002	3,022	6,432	16,155	13,403	6,521	5,262	6,511	5,262	5,262	1,075	64,772	64,772
Whitefish	4,836	10,116	6,750	1,085	414	433	5,173	5,173	5,173	5,173	5,173	4,356	41,552
Miscellaneous fish	—	—	—	—	—	—	—	—	—	—	—	—	290
													1,249

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

TABLE 15—*Cont'd.*

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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.
	January	February	March	April	May	June	July	August	September	October	November	December	
Fishing boat landings from California waters:													
Anchoa.....	920	1,425	9,500	2,412,960	4,926,601	4,296,354	161,840	15,696,108	9,085,304	3,084,373	39,735,585	
Banito.....	2,706	3,324	4,036	2,316	819	805	1,220	202	102	58	1,055	1,408	18,699
Catfish.....	1,193	405	811	281	111	21	354	72	25	735	146	3,111
Flounder.....	840	4,000	4,840
Hake.....
Halibut, California.....	1,919	1,625	748	1,028	140	1,288	4,853	871	1,746	550	2,467	5,838	23,074
Herring, Pacific.....	635	12,119	1,637,360	1,288,700	1,77,130	8,855	481,063	555,100	100,100	100,100	100,100	100,100	5,901,212
Kingfish.....	4,639	8,893	30,339	21,433	24,918	11,248	117,207	37,648	44,191	21,512	37,663	37,663	
Lingcod.....	4,781	4,216	5,020	11,512	10,256	11,244	8,630	12,087	6,227	8,782	6,961	6,961	45,371
Mackerel, Jack.....	88	60,160	18,740	12,894	485	38	180,575	805	145	188	660	275,778
Mackerel, Pacific.....
Mullet.....	621	794	2,706	8,250	10	226,616	17,620	233	394	785	1,136	283	252,416
Parmalo, California.....	621	390,57	11,521	287	152	6,943	23	22	22	3,160	29	21,649	
Pacific Cod.....	291,531	330,852	451,583	256,225	201,575	308,332	354,238	332,785	355,178	113,845	254,447	113,29	3,066,988
Sabinefish.....	38,448	93,337	44,047	74,038	33,506	22,713	36,115	31,413	33,221	6,172	10,960	7,711	433,081
Salmon.....	9,644	8,013	14,846	38,162	391,484	434,579	180,285	69,518	9,089	1,063,655
Sardine.....	3,600	25	8,340	800	17,284	20,578	24,769	20,761	22,211	16,618	3,288	1,639	1,088,033
Seabass, White.....	73	137	71	650	8,400	1,161	1,161	1,160	1,400	1,719	24,440
Seatrout, greenling.....	85	10	18	119	339	23,096
Shad.....	1,655	9,144	145	52	54	1,976	4,271	3,174	1,042	56	997	237	
Shark.....	149	325	1,988	400	725	1,308	1,965	1,656	1,260	1,137	137	14,524	38,018
Shate.....	1,910	673	1,974	3,601	1,3074	5,987	17,935	18,262	4,660	17,987	11,887	3,594	16,540
Sole.....	12,340	59,193	93,116	221,0353	130,341	160,379	103,363	74,566	90,420	86,030	28,084	9,737	101,530
Streelish.....	1,068,812
Tuna, albacore.....	160	799	115	338	25	120,316	173,236	1,059,795	1,002,796	127	521,901	100,505	2,978,549
Turbot.....	81	130	300	215	112	58	25	215	1,330	100	215	18	2,212
Miscellaneous fish.....	21	745

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

¹ See Table 10 for origin of shipments.

TABLE 16—*Cont'd.*

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

Species	Total lbs.											
	January	February	March	April	May	June	July	August	September	October	November	December
Fishing boat landings from California Waters:												
Anchovy.....	14,450	15,923	16,300	478,055	891,235	879,835	1,098,675	912,080	1,278,872	650,570	740,020	7,033,577
Barracuda.....	171	171	165	73	7	785	6,400	682	118	49,123	49,166	49,166
Bluefin.....	3,111	3,024	1,388	551	63	68	53	65	122	329	355	9,065
Chubmacker.....	1,160	1,153	834	3,233	314	300	247	21,413	10,368	12,113	14,800	10,486
Flounder, California.....	25,892	35,432	14,046	14,435	11,066	8,850	9,257	—	—	12,247	14,800	19,481
Halluc, California.....	—	—	—	—	—	—	—	—	—	—	—	—
Herring, Pacific.....	155	100	450	56	18,300	—	—	61,384	14	100	642	18,555
Kingfish.....	105	487	9	450	190	12,665	1,335	978	1,117	1,950	63,457	1,950
Lingcod.....	2,487	3,886	1,204	1,321,385	1,182,140	2,485,000	566,990	144,380	1,182,295	725,085	56,430	9,407,135
Mackerel, jack.....	—	—	—	—	—	—	—	—	—	—	—	—
Mackerel, Pacific.....	—	—	—	—	—	—	—	—	—	—	—	—
Peech.....	2,068	1,069	1,827	1,218	—	—	3,089	5,071	1,118	424	256	332
Rock bass.....	565	598	12	640	—	1,667	905	574	234	330	288	16,432
Rohrbach.....	17,969	24,128	14,445	36,185	45,738	37,240	26,307	13,026	5,629	5,890	4,885	5,837
Salmon.....	—	—	—	—	765	40	—	—	—	—	25	283,438
Sardine.....	87	—	—	—	15	3,176	3,618	275	—	—	—	7,084
Sardine, Sardinia.....	106,730	295	4,040	324	1,163	93	124	236	239	475	125	4,543
Sea bass, black.....	29	141	905	157	154	30	196,350	15,860	112,000	275,180	1,064,820	2,600,842
Sea bass, white.....	9,773	35,009	8,632	2,448	13,282	25,349	42,387	14,680	20,319	80	150	1,738
Seabrat, greenling.....	15	79	—	—	—	—	—	—	—	—	—	887
Shark.....	3,444	16,255	36,468	6,466	50,574	11,007	9,684	1,529	1,765	1,811	20	114
Sheep-head.....	1,002	627	—	57	390	—	—	—	—	2,484	4,124	4,124
Shiel.....	484	723	—	40	96	—	—	165	197	59	124	124
Sole.....	360	—	65	100	320	2,617	326	70	3,100	85	3,657	7,073
Swordfish.....	7,136	43,351	52,426	131,018	105,447	128,823	66,114	38,872	10,026	13,321	5,862	611,888
Tuna, albacore.....	200	—	—	—	—	—	—	35,155	12,982	6,778	1,246	1,246
Turbot.....	—	—	—	—	—	—	—	4,267	20,477	73,188	1,146,131	16,032
Whitefish, ocean.....	—	—	—	—	—	—	—	—	225	322	2,123	6,974
Yellowtail.....	169	11,456	215	21	483	372	340	256	52	4	361	13,204

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

TABLE 17—*Cont'd.*

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:													
Abelone	16,950	69,303	561	469,091	702,823	186,133	442,238	160,131	278,701	358,086	276,712	196,598	3,157,427
Barbula			870	1,974	49,223	307,350	193,281	29,187	52,614	9,960	3,275	1,132	65,1662
Bontio			2,832	16,732	15,874	18,701	8,463	147	12,323	9,182	12,372	9,300	1,160
Carp													136,519
Flounder			366	38	10								449
Flyingfish													
Hallibut, California			4,281	47,413	52,998	44,550	13,162	6,357	15,134	5,231	10,517	825	552
Kingfish			7,273	47,775	36,122	79,518	24,881	11,457	7,164	5,860	67,157	173,544	50,726
Lingcod			119	119	160	248	260,749	118,998	194,439	51,872	507,988	102	195,811
Mackerel, jack			5,491,596	494,371	2,051,293	6,350,407	4,681,570	2,608,579	7,690,094	17,079,440	36,859,710	17,882,892	203,060
Mullet, Pacific			397,407	18,261	50,608	95,401	927,233	1,881,332	5,977,942	3,286,123	2,123,755	2,476,573	3,149,256
Perch			6,928	6,235	7,982	4,453	1,901	60,026	24,991	3,373	4,640	5211	19,099,364
Pompano, California			368	984	336	2,924	5,970	1,659	523	1,054	860	892	1,465
Rock bass			309	286		277	1,312	9,164	6,388	3,501	2,652	1,351	111
Rockfish			65,658	74,751	43,082	90,694	42,072	40,920	14,124	10,98	30,872	22,84	29,248
Sablefish			4,954	390	192	212	216	1,297	5,466	14,274	286	136	481,911
Salmon													6,1973
Sardine			3,788	2,454									11,50,716
Scallop			2,627,885	421,865	267,453	447,952	440,925	135,155	336	61	158	478	596
Sea bass, black			747	4,239	1,535	6,239	2,828	9,771	9,917	11,487	7,309	3,390	3,217
Seabass, white			3,358	27,692	6,959	25,291	115,110	85,933	56,920	46,950	16,896	10,064	65,560
Shark			5,344	6,194	6,10	7,128	12,270	36,127	272	287	4,653	4,678	4,517
Sheep-head			1,421		381	65	65	993	559	248	172	875	349
Shorel			405	677	808	1,370	1,199	42	4,632	4,632	4,672	4,678	2,713
Small			36,638	13,200	12,112	1,173	643	2,376	5,493	4,802	4,277	12,288	4,596
Sole			28	71	85	4,450	2,224	8	144	14	14	5	11,018
Sucker													1,057
Swordfish													6,174
Tuna, albacore													209,277
Tuna, bluefin													7,454,893
Tuna, skipjack													776,169
													374
													45
													329
													130
													25,730
													329
													1129,015
													249,067
													7,454,893
													776,169
													374

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

COMMERCIAL FISH CATCH OF CALIFORNIA FOR 1952

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Whitefish, ocean.....	605	19	151	23	120	11	105	192	14	57	1,044
Yellowtail.....	52	1,066	5,812	1,544	15,78	1,75	75	1,05	192	66	34,996
Albacelous fish.....					4,693	67	26	9	9	3,019	16,293
Crustacean:											
Crab, rock.....	57,427	63,419	17,780						477	208	66,111
Lobster, spiny.....									97,092	78,088	796
Mollusk:											
Abalone.....	231,905	145	138	355	535,114	287,714	351,852	206,300	255,912	296,511	267,230
Octopus.....		355		144	98	140			6,900	2,890	22,971
Squid.....										1,419	90,773
Total pounds.....	8,964,891	1,324,617	2,806,043	8,008,530	7,986,451	5,807,948	17,016,455	24,732,065	41,572,984	37,329,289	5,801,641
Fishing boat landings from waters north of the state boundary:											188,013,075
Herring, Pacific.....											
Total pounds.....					146,000	140,000					
Fishing boat landings from waters south of the international Boundary:											
Barracuda.....	121,078	171,783	209,063	142,226	72,954	437	31,642	114,532	145,233	57,534	28,837
Bonito.....	57,701	28,673	1,269	611	1,269		21,125	615,47	961,300	8,416	14,618
Cabilla.....	52,081	65,067	102,166	80,019	6,380	36,538	25,024			91,063	13,699
Grouper.....				86,911	47,083	9,328	15,731	36,655		99,359	1,887,638
Habitat, California.....	116,630	149,085	300						12,800	6,235	235,684
Linged.....											1,238
Dolphin.....	8,777	26,382	511				485				200
Dorado.....	2,458	50		6,266							200
Goggle fish.....	141,000	11,605	16,759	8,512							1,758
Sea bass, black.....					14,686	15,556	14,034	19,75	689	825	44,857
Seahorse, white.....	90	200	215	6,710	3,220	20	34,760	75,591	49,760	37,300	2,717
Shark.....		83			119			670	745	700	50
Sheep-head.....											1,940
Siesta.....	809	501			518		416			115	
Swordfish.....						854					
Tuna, albacore.....							577	1,946,93	2,326,005	1,056,947	103,685
Tuna, bluefin.....	1,650						1,84,635	1,231,704	1,65,634	8,402	
Tuna, skipjack.....	11,725,967	1,633,644	2,390,608	1,077,116	3,390,603	5,132,345	2,452,432	1,190,331	7,919,224	3,850,997	3,441,324
Tuna, yellowfin.....	71,115,574	6,286,699	10,538,937	14,152,533	17,326,345	12,278,153	9,558,610	11,17,300	7,927,386	3,469,724	53,517,270
Waloo.....				344	3,203	1,837					125,429,401
Whitefish, ocean.....					290						5,647,239
Yellowtail.....	2,157	52,322	40,570	31,404		124,047	700,834	633,801	3,288,142	2,847,216	130,644
Total pounds.....	8,746,867	7,625,708	14,410,395	19,545,001	18,465,893	22,114,837	21,633,123	26,408,049	23,388,676	15,258,507	7,550,236
											15,800,984
											200,976,636
											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:¹													
Carp	2,754
Clari	5735
Herring, Pacific	15,910	26,148	54,783	26,291	12,608	51,173	71,825	2,784	2,350	17,655	95,538
Sardines	10,900	80,706	...	23,534	29,000	35,140	43,909	30,104	30,140	17,527	567,392
Salmon	144,948	52,703	128,871	30,497	110,469	38,783	43,525	95,357	13,880	2,005	79,223	94,301	834,692
Sole
Tuna, albacore	293,605	1,120,470	1,713,052	2,719,157	2,048,386	1,447,580	2,825,432	4,217,132	174,407	147,780	224,678	181,000	17,794,899
Tuna, skipjack	48,182	10,367	14,841	96,477	398,410	136,478	284,394	139,722	279,427	672,730	650,491	68,140	2,192,788
Tuna, yellowfin	284,608	345,725	418,733	497,416	929,084	375,945	567,996	375,154	497,416	625,000	55,650	25,063	5,163,136
Miscellaneous fish	8,350	35,275	2,005	438	23,841	20,120	14,400	194,703
Mollusk:
Clam, Pismo	196,928	331,336	70,872	...	428,920	515,494	775,248	698,144	185,944	47,448	...	31,920	3,192,254
Total pounds.	934,421	1,970,117	2,408,051	4,296,772	4,845,501	2,591,503	4,005,213	5,554,711	1,382,117	880,634	415,662	415,921	30,300,626
Grand totals, Los Angeles region.....	18,646,169	10,920,562	19,770,489	32,050,903	31,297,845	30,062,688	43,255,091	56,691,825	66,345,777	42,681,902	419,575,087	22,017,659	419,575,337

¹ See Table 10 for origin of shipments.

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

COMMERCIAL FISH CATCH OF CALIFORNIA FOR 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	2,940	6,789	5,290	2,551	2,888	8,410	25,166
Barracuda.....	15,129	8,265	8,265	1,093	7,664	646	2,923	3,340	46,839
Bonito.....	17	17	17	62	62	5,942
Carp.....	12,535	12,535	1,833	7,315	2,460	987	148	261	3,040	11,252	138	12,535
Halibut, California.....	6,635	2,045	54	2,615	2,122	1,745	141	28	368	25	2,750	450	43,745
Herring, Pacific.....	1,790	39	615	127	50	21	21	25	110,155	450,060	10,000	10,734
Kingfish.....	58	13	615	65	288	2,580	11,343	291,273	73,083	112,737	55	112,737
Lingcod.....	58	13	615	65	288	26,459	11,343	291,273	73,083	112,737	55	112,737
Mackerel, Jack.....	103	872,847
Mackerel, Pacific.....
Mullet.....	23,510	16,058	7,132	6,316	30	744	856	1,345	493	270	2,12	22,345	14,357
Rock bass.....	26	56	7,132	6,316	30	744	1,493	375	122	587	2,348	1,043	50
Rock bass.....	463	8,392	1,257	2,860	1,479	1,301	1,301	560	20,879
Salmon.....	200	25,003	28,019	1,301
Sardine.....	54,122
Solefish.....	86	84	2,324	7,640	3,638	1,152	519	63	15	2,630	138	378	894
Sea bass, black.....	501	12,335	8,670	3,855	7,050	8,627	3,987	1,610	2,304	2,173	2,925	171	16,322
Sea bass, white.....	11,662	4,101	765	15,845	20,532	27,383	12,403	573	6,581	11,935	16,22	1,652	70,591
Shark.....	14,455	4,101	765	15,845	20,532	27,383	12,403	573	6,581	11,935	16,22	1,652	112,532
Sheep-head.....	3,859	1,463	1,463	1,463	1,463	1,463	1,463	1,463	1,463	2,062	2,023	1,463	13,938
Smelt.....	5,140	1,100	1,752	2,771	229	130	1,149	860	208	233	9,584
Swordfish.....	5,293	75,820	481,020	142,067	47,393	91,115	6,473
Tuna, albacore.....	23,425	73,989	9,498	13,760	10,383	1,587,084
Tuna, bluefin.....	160	131,016
Tuna, skipjack.....	160
Whitefish, ocean.....	794	162	6,127	6,391	109	1,266	1,371	253	333	744
Yellowtail.....	10	96	13	14	15,739
Miscellaneous fish.....	336	336
Crustacean:
Crab, rock.....	1,154	345	80	2,863	2,863	2,863	2,863	2,863	2,863	3,180	4,906	2,280	13,025
Lobster, spiny.....	9,662	8,393	2,863	2,863	2,863	2,863	2,863	2,863	2,863	56,629	22,716	15,733	116,468

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.	
Mollusk:														
Avalone	61,940	17,055	19,185	16,640	28,259	26,926	29,092	7,023	4,190	2,760	4,790	6,273	206,178	
Clam, jackknife			2,558	3,719	8,656	6,881	7,672	7,547	5,319	2,711	1,391	977	50,066	
Mussel	920					63	122	200		167			532	
Total pounds.....	146,002	58,367	65,191	73,140	110,410	151,518	99,635	813,471	291,193	745,309	198,665	129,023	3,686,424	
Fishing boat landings from waters south of the international boundary:														
Barracuda	55,567	20,456	62,861	23,795	5,362	315	3,612	6,782	5,244	17,645	44,980	
Bowfin	565	2,969	9,194	3,968	2,012	264	1,690	2,183	7,2963	19,232	46,349	120,522	251,220	
Cabrilla	4,777	9,194	9,004	764	256	1,690	45	14,515	277,375	
Grouper	4,066	13,549	9,004	48	3,913	572	523	5,538	29,491	
Hallibut, California.....		2,676											36,568	
Kingfish													8,746	
Lingcod													30,978	
Mackerel, jack														
Mackerel, Pacific														
Rock bass														
Pacific fish:														
Sea bass, black	8,445	962	12,648	8,482	568	1,325	298	140	1,164	578	140	
Sea bass, white		3,941	358	8,107	18,370	5,893	17,538	298	11,862	12,700	3,322	1,493	1,867	
Shark		147	110	13,863	2,649	32,715	44,401	52,913	55,605	33,532	8,167	233,922		
Sheep-head		227	122	122	2,410	370	2,225	225	3,182	3,182	1,089	1,089	7,991	
Silverside		330	190	190	75	418	817	1,565	
Swordfish		92	92	92	190	190		
Tuna, albacore														
Tuna, bluefin														
Tuna, skipjack														
Whitefish, salmon	116,823	36,928	450,922	1,092,132	501,346	2,976,254	2,089,019	3,562,051	4,970,454	5,301,350	4,270,045	5,066,448	31,218,292	
Whitefish, ocean	807,553	49,034	4,157,119	4,112,310	5,376,455	4,106,307	6,694,212	6,720,963	4,760,931	4,862,027	3,353,430	53,571,666		
Yellowtail	2,023	1,173	1,177	296	64,336	15,317	136,722	255,650	97,385	86,137	113,892	249,994	6,445	
Miscellaneous fish.....	13,291	64,731	10,827								60	230	1,457,565	
Crustacean:														
Lobster, spiny														
Total pounds.....	1,013,125	658,060	4,718,299	4,812,082	4,998,689	111,501,493	14,035,398	19,846,386	15,344,891	111,591,876	9,567,707	10,156,939	108,274,985	
										167			167	

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

Shipments: ¹							
Barbecued.....							
Bonito.....		72					
Cervina, Mexican.....							
Hallibut, California.....							
Herring.....							
Roachfish.....							
Sea bass, black.....							
Seabass, white.....	563						
Sole,.....							
Tuna, albacore.....		99,321	208,812	150,770	612,293	8,351	1,648
Tuna, skipjack.....		222,683					
Total pounds.....	563	322,014	210,544	160,820	614,693	10,507	4,602
Grand totals, San Diego region.....	1,159,127	717,720	4,783,490	5,237,236	5,319,633	11,813,831	15,610,886
						12,335,200	9,355,678
							10,329,072
							113,297,073

¹ See Table 10 for origin of shipments.

TABLE 19—Cont'd.

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	5,891,115	\$124,871	39,735,585	\$834,447
Barracuda	6,132	155	102	5
Bonito	18,699	548
Cabazon
Cabrilla
Carp	79,376	\$4,651	581,305	\$34,094	36,206	1,166	561	...
Catfish	177,464	...	322,675	14,876	3,131	200
Fundulus	260,238	12,987
Plynfield
Groupers
Hake
Halibut, California	63,185	15,905	1,305	26	4,840	97
Halibut, Pacific	15,550	5,128	19,639	3,994	23,074	5,877
Hardhead	176,938	36,166
Herring, Pacific	60,541	1,514	3,223,314	49,461	5,901,212	167,004
Kingfish	12,455	3025	370,933	30,556
Lingcod	628,002	54,009	303,863	40,027	93,571	8,446
Mackerel, Jack	2,131	11	215,18	1,233
Mackerel, Pacific	332	16	53,716	10,829
Mullet
Perch
Pompano, California	38,785	5,327	84,714	14,664	21,649	2,009
Pompano, Florida	536	221	15,927	7,684
Rock bass	96	7
Rockfish	2,635,194	128,334	3,580,550	177,237	3,696,988	223,299
Sablefish	637,501	62,857	246,257	5,639	433,081	21,567
Salmon	2,490,809	598,292	738,171	164,907	2,987,533	726,745	1,065,955	308,057
Sanddab	112,740	7,306	332,657	16,94	198,063	14,063
Sardine	24,740	1,354
Sedum
Sea bass, black
Seahass, white
Seatrout, greenling
					5,630	1,329	23,066	5,277
							369	5,13

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

Shad	5,681	484	640,040	47,683	152,802	4,396	237
Shark							3,250
Sheep-head							
Sierra							
Skate	460	28			114,878	1,366	16,540
Smelt		6,276			281,560	22,920	101,380
Sole	104,401	1,029,145			3,967,804	206,239	1,069,812
Splittail			1,450	238			5,709
Sucker							77,347
Swordfish							
Tonocat							
Tuna, albacore	3,496,037	531,540	9,510	2,264	5,199,884	877,711	10
Tuna, bluefin						2,988,892	480,948
Tuna, skipjack							
Tuna, yellowfin							
Turbot	9,422	471			64,304	2,354	130,806
Wahoo							22,252
Whitebait	85,191	8,986			64,712	6,717	1,184
Whitefish, ocean							43
Yellowtail							
Miscellaneous fish	98,967	1,733	410	39	41,592	1,678	785
Crustacean:							28
Crab	8,907,978	1,334,401			3,894,965	539,452	11,549
Crab, rock						53	2,340
Lobster, shiny							
Prawn							
Shrimp, bay							
Shrimp, ocean	3,876	431			912,558	68,637	3,016
Mollusk:							1,206
Abalone					3,665	289	
Clam, gaper							
Clam, jackknife							
Clam, Washington	9,256	1,065					
Mussel							
Ostentus							
Oyster, eastern	1,073	50			6,865	300	9,283
Oyster, Pacific							847
Squid							
Total pounds and value	35,041,011	\$3,806,175	2,163,490	\$296,549	32,398,405	\$3,032,810	60,109,555
							\$2,422,552

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 ¹								
Halibut								
Barreldash								
Baitito								
Carp								
Catfish								
Corvina, Mexican								
Halibut, California								
Halibut, Pacific								
Rockfish								
Sablefish								
Salmon								
Sea bass, black								
Sea bass, white								
Smelt								
Sole								
Swordfish								
Tuna, albacore								
Tuna, skipjack								
Tuna, yellowfin								
Miscellaneous fish								
Mollusks:								
Clam, Japanese ²								
Clam, Pismo								
Total pounds and value								
Grand totals								
35,041.011	\$3,806,175	2,164,568	693	\$288	4,853,287	\$823,336	2,466,289	\$437,745
					37,221,692	\$3,876,146	62,575,544	\$2,860,297

¹ See Table 10 for origin of shipments.

² 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	7,035,577	\$121,725	3,157,427	\$71,041	25,166	\$1,072	55,782,870	\$1,153,156
Barracuda	45,766	7,182	1,746,381	27,574	298,659	47,093	2,094,206	330,029
Bonito			1,859,098	179,218	288,317	27,369	2,142,517	206,592
Cabazon	9,663	371	540,520	81,132	29,491	4,297	34,494	1,074
Cabrilla	4,322	778					574,333	86,207
Carp			136,519	4,218	12,335	387	809,755	43,320
Catfish							178,630	36,407
Flounder	16,686	697	50,736	449	3,65	—	597,189	28,915
Flyingfish			788,115	15,734	36,598	6,324	30,735	16,574
Grouper	3,094	1,019	157,228				829,807	164,571
Hake								
Hallibut, California	191,481	45,401	216,334	52,610	74,773	19,186	6,145	123
Hallibut, Pacific							525,311	127,068
Hardhead							242,133	52,071
Herring, Pacific	18,555	286	286,000	6,750	5,764	147	15,550	5,128
Kingfish	63,437	1,663	2,816,015	93,491	10,924	1,080	9,495,386	225,662
Lingcod	42,900	3,976	2,816,015	93,491	10,924	1,080	3,273,524	127,815
Mackerel, jack	9,407,135	270,923	186,587,601	4,496,414	2,208	6,276	146,521,671	47,308
Mackerel, Pacific	33,262	1,527	19,089,564	725,784	1,213,637	47,308	20,604,671	785,494
Mullet			494,484	69	89,718	8,981	90,212	9,030
Perch								
Pompano, California	16,432	2,873	135,647	13,863	—	—	207,227	38,936
Rock bass	5,837	687	1,567,1	11,442	7,277	988	32,124	11,489
Rockfish	238,428	19,790	73,555	11,442	—	—	86,744	13,124
Sablefish	830	58	514,655	55,985	54,370	5,617	10,720,185	609,962
Salmon	7,084	2,224	6,173	2,203	1,301	455	7,275,026	1,802,883
Sanddab	4,543	288	11,641,801	2,319	—	—	639,874	40,880
Sardine	2,606,842	112,746	11,641,716	407,461	54,122	1,559	14,330,420	523,120
Sealipan, black	1,632	161	65,560	14,635	16,422	2,720	88,610	17,816
Sea bass, black		301	226,430	35,277	85,412	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	
Seabass, white, greenling	185,747	\$49,706	628,067	\$174,037	304,513	\$123,754	1,147,403
SeatROUT, greenling	114	7	149,068	-----	150,543	15,882	-----
Shad	146,846	11,982	8,197	16,847	15,483	1,623	640,277
Shark	12,551	890	590	-----	100	13	623,238
Sheep-head	-----	-----	2,059	280	92	2,549	52,851
Sierra	2,380	134	141,306	141,306	8,010	8,010	295
Sole	7,073	364	141,918	141,918	9,584	800	644,116
Sole	611,888	57,028	1,057	124	-----	-----	44,088
Splittail	-----	-----	-----	-----	20,919,733	1,429,883	238
Sucker	-----	-----	-----	-----	1,450	1,450	-----
Swordfish	46,507	16,505	6,674	206	-----	-----	206
Tonno	2,419,773	395,633	210,131	79,913	8,835	3,757	265,690
Tuna, albacore	-----	-----	13,102,232	2,362,334	22,626,663	3,968,717	100,208
Tuna, bluefin	4,220,963	4,220,963	4,220,963	672,827	355,692	60,387	527,477
Tuna, skipjack	-----	-----	53,517,744	6,869,328	31,218,382	4,024,049	10,860,577
Tuna, yellowfin	-----	-----	125,429,401	19,869,302	32,877,196	8,386,323	28,233,847
Turnip, yellow	6,674	429	5,583	730	-----	-----	5,583
Whiting	-----	-----	-----	-----	152,115	16,042	16,042
Whitebait	-----	-----	-----	-----	-----	-----	-----
Whitefish, ocean	245	28	1,304	120	7,259	546	8,808
Yellowtail	361	54	7,993,294	738,579	1,453,324	135,585	9,446,979
Miscellaneous fish	13,204	735	16,293	881	685	71	141,896
Crustacean:	-----	-----	-----	-----	-----	-----	-----
Crab	92,919	16,818	16,818	706	13,035	518	12,997,411
Crab, rock	2,666	67	380,718	173,644	116,665	52,495	16,977
Lobster, spiny	309,854	111,020	-----	-----	-----	-----	807,237
Prawn	-----	-----	-----	-----	-----	-----	337,389
Shrimp, bay	-----	-----	-----	-----	-----	-----	3,016
Shrimp, ocean	197,944	23,278	-----	-----	-----	-----	68,635
Mollusk:	-----	-----	-----	-----	206,178	15,732	206,178
Abalone	1,229,394	154,750	3,313,638	259,793	50,066	17,345	4,754,033
Clam, gaper	-----	-----	-----	-----	-----	-----	43,094
Clam, jackknife	-----	-----	-----	-----	-----	-----	1,202
Clam, Washington	-----	-----	-----	-----	-----	-----	17,345
	-----	-----	-----	-----	-----	-----	9,256
	-----	-----	-----	-----	-----	-----	1,065

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

53

Mussel-----	569	36	802	111	552	44	18,552	1,344
Oysters-----	51,187	1,024	125,270	4,472	-----	-----	160,752	30,576
Oyster, eastern-----	-----	-----	-----	-----	-----	-----	188,655	16,132
Oyster, Pacific-----	-----	-----	-----	-----	-----	-----	3,670,923	170,763
Squid-----	-----	-----	-----	-----	-----	-----	-----	-----
Total pounds and value -----	25,100,440	\$1,435,196	386,275,711	\$87,880,803	111,964,409	\$17,001,059	656,025,431	\$65,840,044
Shipments: ¹	-----	-----	-----	-----	-----	-----	-----	-----
Barneauds-----	-----	-----	-----	-----	-----	-----	-----	-----
Bonito-----	-----	-----	2,784	86	2,306	93	587	93
Carp-----	-----	-----	-----	-----	-----	190	2,306	190
Catfish-----	-----	-----	-----	-----	-----	-----	2,784	86
Corvina, Mexican-----	-----	-----	-----	-----	4,233	483	1,670	644
Eel-----	-----	-----	2,350	76	-----	-----	4,233	483
Halibut, California-----	-----	255,558	77,483	219	77	39	2,350	75
Halibut, Pacific-----	-----	-----	-----	2,695	-----	213	2,350	75
Rockfish-----	-----	-----	367,302	59,602	-----	-----	2,695	213
Sablefish-----	-----	834,682	300,729	-----	-----	-----	545,722	77,116
Salmon-----	-----	-----	-----	-----	4,556	657	882,125	306,194
Sea bass, black-----	-----	-----	-----	1,063	446	446	4,556	657
Sea bass, white-----	-----	-----	-----	663	163	163	1,063	446
Smelt-----	-----	-----	-----	-----	-----	-----	-----	-----
Sole-----	-----	240	101	-----	-----	-----	-----	-----
Swordfish-----	-----	17,754,869	3,018,778	1,093,159	148,121	47,240	101	18,084
Tuna, bluefin-----	-----	2,482,758	324,965	222,683	28,672	22,525,248	3,867,866	3,867,866
Tuna, skipjack-----	-----	5,163,136	820,459	46,308	-----	4,155,541	534,121	534,121
Tuna, yellowfin-----	-----	194,703	-----	-----	-----	7,080,197	1,123,080	1,123,080
Miscellaneous fish-----	-----	-----	-----	-----	-----	154,703	46,308	46,308
Mollusk:	-----	-----	-----	-----	-----	-----	-----	-----
Clam, Japanese ² -----	-----	-----	3,192,254	52,992	-----	-----	76,825	15,355
Clam, Pismo-----	-----	-----	30,300,626	\$4,702,289	1,332,664	\$179,077	38,953,559	86,142,730
Total pounds and value -----	-----	-----	-----	-----	-----	-----	-----	-----
Grand totals -----	25,100,440	\$1,435,196	419,576,337	\$12,563,092	113,297,073	\$17,181,036	694,976,990	\$71,982,774

¹ See Table 10 for origin of shipments.² Cleaned 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
Crescent City.....	Crab.....	\$692,126	4,667,065
	Salmon.....	210,705	877,206
	Sole.....	113,694	1,686,850
	Albacore.....	26,839	174,503
	Lingcod.....	19,893	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	9,612
	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	1,372
	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
	Anehoovy	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	
Barrauda.....	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 ¹			
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	

¹ 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 Landing 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.....	2,658	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	1,551,708
	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.....	Barrauda.....	\$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
	Ahalone.....	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
	Barneuda.....	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.....	2,833,722	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
	Absalone.....	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
Baracuda	595,062	742,849	374,109	732,878	761,609	388,533	680,640	413,036	363,990	251,040	269,545	336,862
Haddock, California	71,366	49,904	35,587	82,708	94,945	134,123	152,187	178,639	106,516	58,908	59,265	34,158
Rock bass	355,278	235,423	464,612	468,778	451,679	390,761	653,035	661,085	707,328	616,808	781,609	535,829
Salmon	238	1,370	2,610	4,038	2,350	3,063	11,188	32,965	20,404	71,970	86,472	41,043
Seabass, white	12,815	12,756	16,406	32,241	17,591	12,035	21,632	25,051	62,570	58,586	44,367	23,721
Yellowtail	97,453	62,847	44,974	28,730	96,736	3,051	7,082	12,757	18,023	7,673	59,263	1,024,978
All other	826,857	1,009,665	1,011,386	1,071,220	1,061,169	299,944	861,746	1,279,384	959,101	1,046,901	1,024,213	
Total number of fish	1,957,479	2,134,182	1,953,604	2,620,323	2,490,983	1,243,358	2,419,429	2,596,493	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	533,309	490,943	602,431	556,949	587,898

¹ Rock bass includes two species, kelp bass (*Paralabrax clathratus*) and sand bass (*P. nebulosus*).

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	3,707	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 (*Morone saxatilis*) 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.
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- * 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.
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- * 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 (*Sphyraena argentea*). By Lionel A. Walford. 1932; 120 pp., 32 figs., 6 pls., front.
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- * No. 45. The Sharks and Rays of California. By Lionel A. Walford. 1935; 66 pp., 58 figs.
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- * No. 49. The Commercial Fish Catch of California for the Year 1935. By the Staff of the Bureau of Commercial Fisheries. 1937; 170 pp., 120 figs.

- No. 50. Sizes of California Sardines Caught in the Different Areas of the Monterey and San Pedro Regions. By J. B. Phillips. 1937; 31 pp., 12 figs.
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- No. 59. The Commercial Fish Catch of California for the Years 1941 and 1942. By the Staff of the Bureau of Marine Fisheries. 1944; 68 pp., 8 figs.
- * No. 60. A Systematic Study of the Pacific Tunas. By H. C. Godsil and Robert D. Byers. 1944; 131 pp., 76 figs.
- * No. 61. Results of Tagging Experiments in California Waters on the Sardine (*Sardinops caerulea*). 1945; 90 pp., 15 figs.
- * No. 62. Catch per-Unit-of-Effort in California Waters of the Sardine (*Sardinops caerulea*) 1932–42. By Ralph P. Silliman and Frances No. Clark. 1945; 76 pp., 22 figs.
- No. 63. The Commercial Fish Catch of California for the Years 1943 and 1944. By the Staff of the Bureau of Marine Fisheries. 1946; 81 pp., 6 figs.
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- No. 75. California Sharks and Rays. By Phil M. Roedel and Wm. Ellis Ripley. 1950; 88 pp., 65 figs.

- No. 76. Average Lunar Month Catch by California Sardine Fishermen, 1932–33 through 1948–49. By Frances N. Clark and Anita E. Daugherty. 1950; 28 pp., 6 figs.
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- No. 80. The Commercial Fish Catch of California for the Years 1948–1949 with Yield per Area of the California Sardine Fishing Grounds 1937–1949. By the Staff of the Bureau of Marine Fisheries. 1951; 87 pp., 9 figs.
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