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Author

Staff of the Marine Fisheries Branch

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**STATE OF CALIFORNIA DEPARTMENT OF FISH AND GAME
FISH BULLETIN No. 102**

**The Marine Fish Catch of California For The Years 1953 and 1954 with Jack
Mackerel and Sardine Yield Per Area From California Waters 1946-47
Through 1954-55**



BY
*THE STAFF OF THE
MARINE FISHERIES BRANCH*
1956

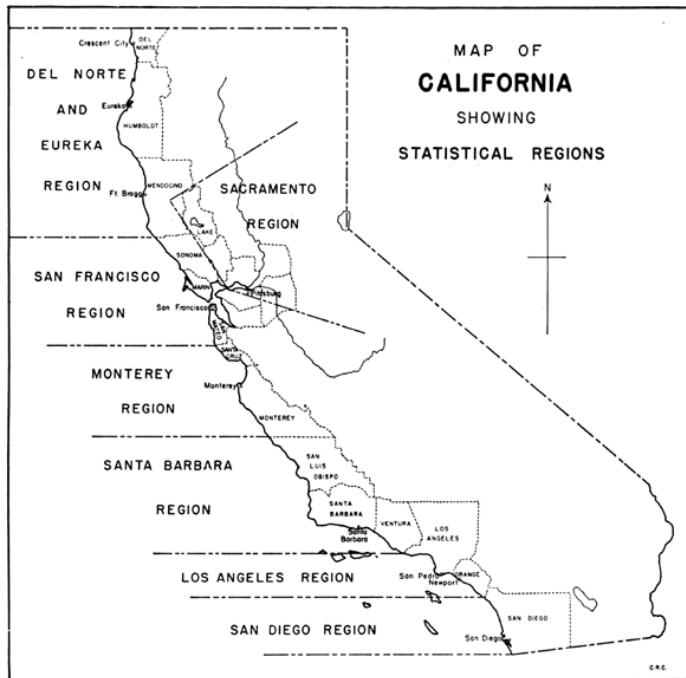


FIGURE 1

FIGURE 1

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FOREWORD

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

This is the sixteenth in the series of fish bulletins dealing with fish catch. The first, published in 1929, contained records of the State's commercial fish catch for 1926 and 1927. Data for subsequent years have been published annually or biennially. Due to the growth of and interest in the marine sport catch and the live bait fishery, additional tables on sport and live bait catches were included with the 1950 figures and these have appeared in succeeding bulletins. In 1947 all available records of commercial catch for the years 1916-1947 were summarized. Although this bulletin carries the title "Marine Fish Catch," small poundages of fresh water commercial landings are also included.

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

October, 1955

1. JACK MACKEREL AND SARDINE YIELD PER AREA FROM CALIFORNIA WATERS, 1946-47 THROUGH 1954-55

By CHARLES R. CLOTHIER and EDWARD C. GREENHOOD

Marine Fisheries Branch

California Department of Fish and Game

The charts and figures accompanying this article show the fishing grounds for both the sardine, *Sardinops caerulea*, and the jack mackerel, *Trachurus symmetricus*. Each species and its area of catch is discussed separately. To designate the locality where fish are caught, the Department of Fish and Game has divided California coastal waters into block areas of 10 minutes of latitude and 10 minutes of longitude. These blocks designate place of catch and facilitate study of fish concentrations. For this study we have used the record of catch by block as given on the fish receipts.

Fish receipts, often referred to as pink tickets, are filled out by the dealer at the time of purchase of fish from the fisherman. These pink tickets list the variety of fish, the pounds landed and the block area of catch, as well as other information. The dealer may, at times, omit the area of catch; however, for jack mackerel and sardines we have two other checks. Sardine checkers employed by the department complete a form known as the sardine checker's ticket. The checker is present during the unloading of sardines and jack mackerel during sardine season. He makes note of the species, total pounds landed, block area of catch, proportion of various kinds of fish in a load when the species are mixed and other information pertaining to the vessel. In addition, a biologist requests block origin information while interviewing the fisherman when taking routine samples of his catch. With these checks, the specific locality remains unknown for only a small portion of the catch.

Figures 4 and 5 show the locality of catch for each species combined into three-season groupings. The block numbers are shown on Figures 4 and 5 and the blocks comprising each general area are indicated with heavy lines. Tables 1 and 2 show catch localities arranged by large general areas (Pinkas, 1951). These tables indicate the seasonal tonnage and the percent of catch taken from each area.

1.1. JACK MACKEREL

In the years before 1947, the small landings of jack mackerel were sold chiefly to the fresh fish markets. A few fish were delivered to the canneries when they were mixed with schools of sardines and Pacific mackerel, but only desultory attempts were made to can these fish because there was little or no market for such a product.

In the years 1946 to 1948, a campaign was conducted by the industry (Roedel, 1949) to develop a market for canned jack mackerel and landings

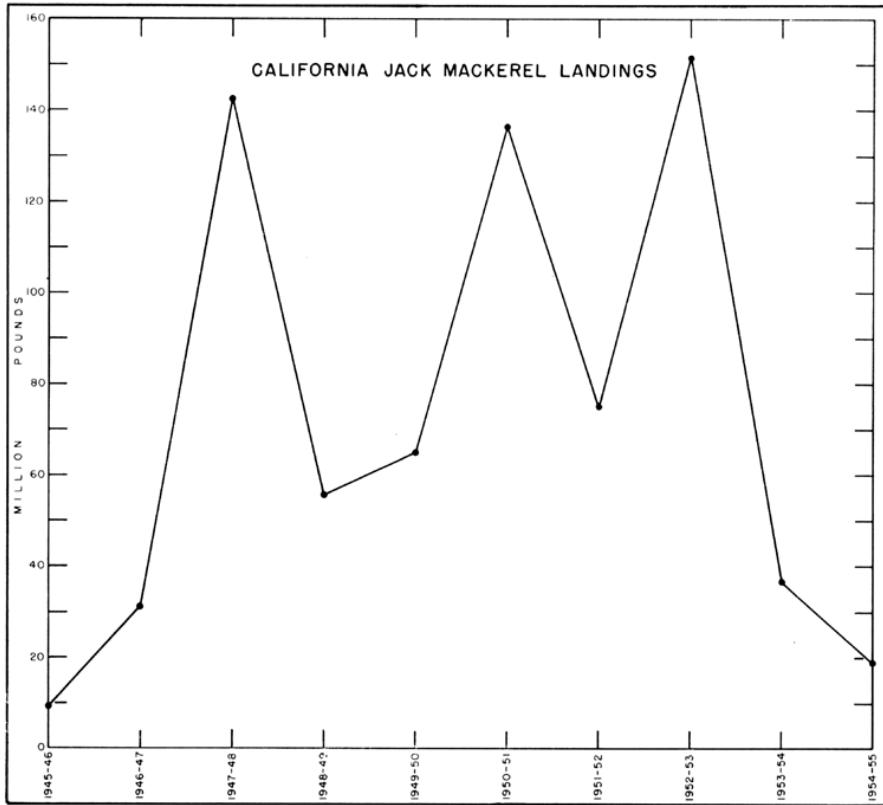


FIGURE 2. California jack mackerel landings by season, 1945-46 through 1954-55.

FIGURE 2. California jack mackerel landings by season, 1945-46 through 1954-55

increased rapidly (Fig. 2). This increase was materially influenced by the failure of the sardine and Pacific mackerel fisheries and the resulting need of the processors for a substitute canning fish. The jack mackerel landings reached a peak in 1952-53 as a result of the sardine failure, but showed a sharp decline in 1953-54 due to scarcity of fish on the fishing grounds. This decline continued in 1954-55 because of unfavorable economic conditions.

Jack mackerel are present in the waters off California throughout the entire year, but since the fishery is carried on simultaneously with the sardine and Pacific mackerel fishery, and these species are taken chiefly during the fall and winter months, the jack mackerel landings decline to a minimum in the spring and early summer. As a result, the season for the jack mackerel is here considered the same as that for the Pacific mackerel, May 1st to the following April 30th. For this reason the charts and tables are presented on a seasonal rather than a calendar year basis.

Fig. 4 shows the locality of catches for the past nine years. Preliminary examination of the season by season data showed that the catches fell naturally into three-season groupings except for the last three. In this latter interval the concentration of the fishery on Tanner and Cortez Banks occurred chiefly in 1952-53.

TABLE 1
Jack Mackerel Catch by General Fishing Areas

General area	Block numbers	1946-47		1947-48		1948-49		1949-50		1950-51		1951-52		1952-53		1953-54		1954-55		
		Tons	%	Tons	%	Tons	%													
Pt. Area.....	401-421.....	
Bodega Head.....	422-443.....	
San Francisco.....	446-471.....	
Panor Pt.....	472-481.....	131	1.0	
Moss Landing.....	487-531.....	3,380	22.7	712	1.1	4,377	15.8	1,492	4.7	13,430	20.2	234	.6	88	.4	432	2.5	1,880	21.5	
Pt. Sur.....	533-555.....	140	.4	40	.1	2	0.0	2	0.0	
Piedras Blanca.....	553-606.....	149	1.0	30	.1	2	0.0	
Pt. Arroyo.....	601-618.....	36	.1	204	.1	
Pt. Sal.....	611-618.....	139	.1	68	.1	39	.1	91	.5	
Santa Barbara.....	631-651, 665-671.....	32	.2	1,128	1.7	43	.2	848	2.7	686	1.0	917	2.5	1,340	1.9	49	.3	27	.3	
Pt. Hueneme.....	661-680-682, 705-708.....	832	5.6	9,784	14.6	6,084	22.5	6,724	18.1	6,087	9.1	4,713	13.2	2,189	3.0	3,307	19.1	681	8.5	
Santa Cruz Island.....	684-690, 702-713, 726-732.....	3,077	20.6	20,000	29.8	3,412	12.6	3,870	12.2	10,882	16.1	5,428	15.1	673	.9	2,263	13.0	117	1.5	
Pt. Vieiente.....	678-701, 702, 718-721, 737-742.....	2,267	15.2	12,119	18.1	5,211	19.3	11,335	35.8	21,073	32.5	17,139	47.6	4,192	5.8	2,302	13.3	1,749	21.8	
Oceanwide.....	756-758, 801-864, 821-822.....	1,556	10.4	4,714	7.0	1,802	6.9	1,103	3.5	4,481	6.7	2,984	8.3	561	.8	41	.2	33	.1	
Santa Catalina Is- land.....	759-762, 805-808-809.....	2,658	17.7	11,858	17.7	5,299	19.6	2,863	7.9	1,070	1.6	1,174	3.3	1,441	2.0	3,305	19.6	5	.1	
Santa Barbara Is- land.....	743-745, 750-753, 809-812- 815, 833-839.....	325	2.2	1,618	2.3	263	1.0	411	1.3	477	.7	27	.2	495	.7	227	1.3	42	.5	
San Nicolas Island.....	746-749, 760-769, 812- 815, 833-839.....	80	.5	303	.6	72	.3	152	.5	994	1.2	189	.5	337	.7	152	1.9	
San Diego.....	842-846, 860-864, 877-878.....	25	.2	309	.6	139	.5	130	.4	670	1.0	34	.1	422	.6	13	.1	
San Clemente Island.....	826-832, 847-851, 865- 869.....	415	2.8	4,429	6.6	332	1.3	3,618	11.4	3,431	5.2	3,073	8.5	11,957	16.5	1,829	10.5	3,265	40.8	
Tanner and Carter Basins.....	834, 835, 870-873, 888-891, 897.....	13	C.0	12	0.0	48,683	67.1	3,492	19.6	57	.7
Totals.....	14,930	100.1	67,151	100.3	27,002	100.0	31,799	100.3	66,535	99.9	36,925	100.0	22,578	100.1	17,533	100.0	8,011	100.0
Areas of which origin not im- cluded above.....	643	4179	701	..	1,653	1,473	3,173	..	1,014	1,02
Total Sea- son's Catch.....	15,573	71,339	..	27,794	..	32,493	..	68,188	..	37,498	..	75,751	..	18,597	..	9,413

THE MACKEREL CATCH OF CALIFORNIA

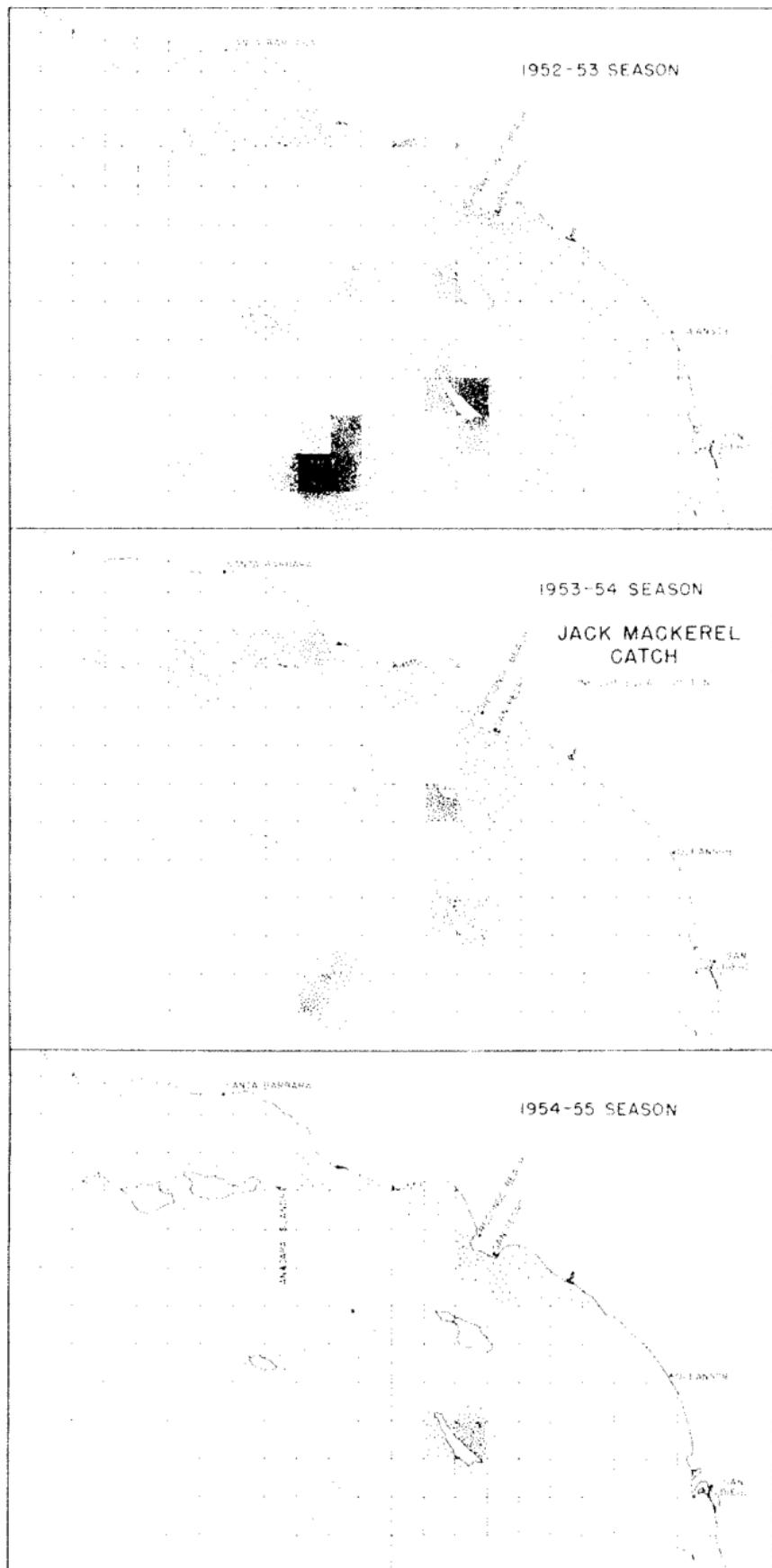


FIGURE 3. Three-season Southern California jack mackerel catch.

FIGURE 4

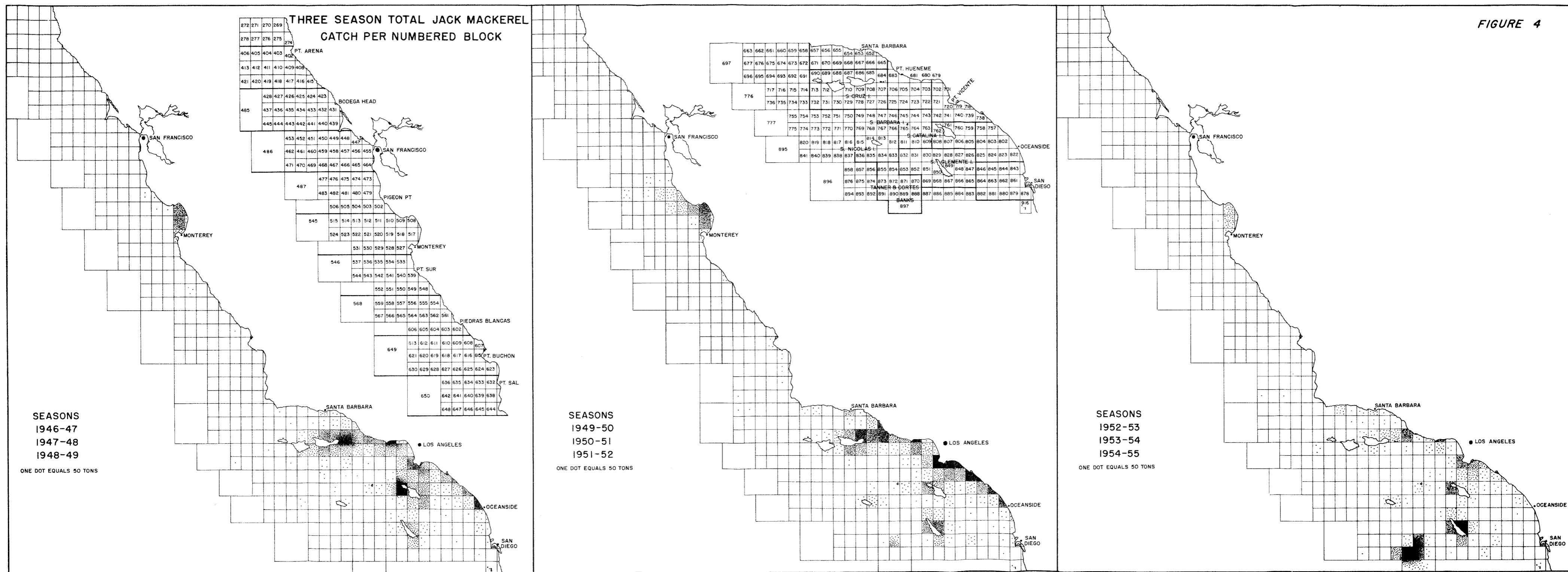
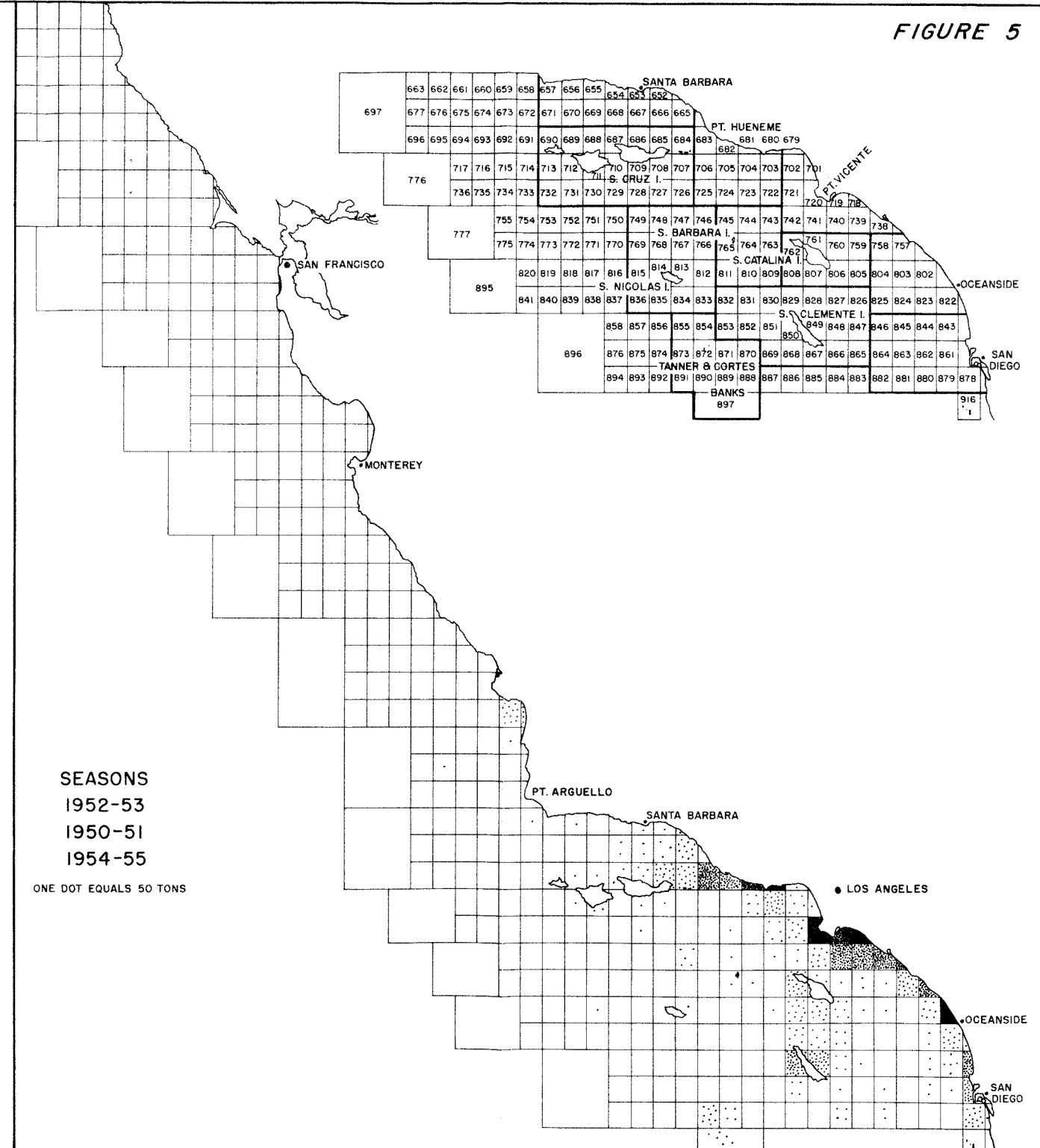
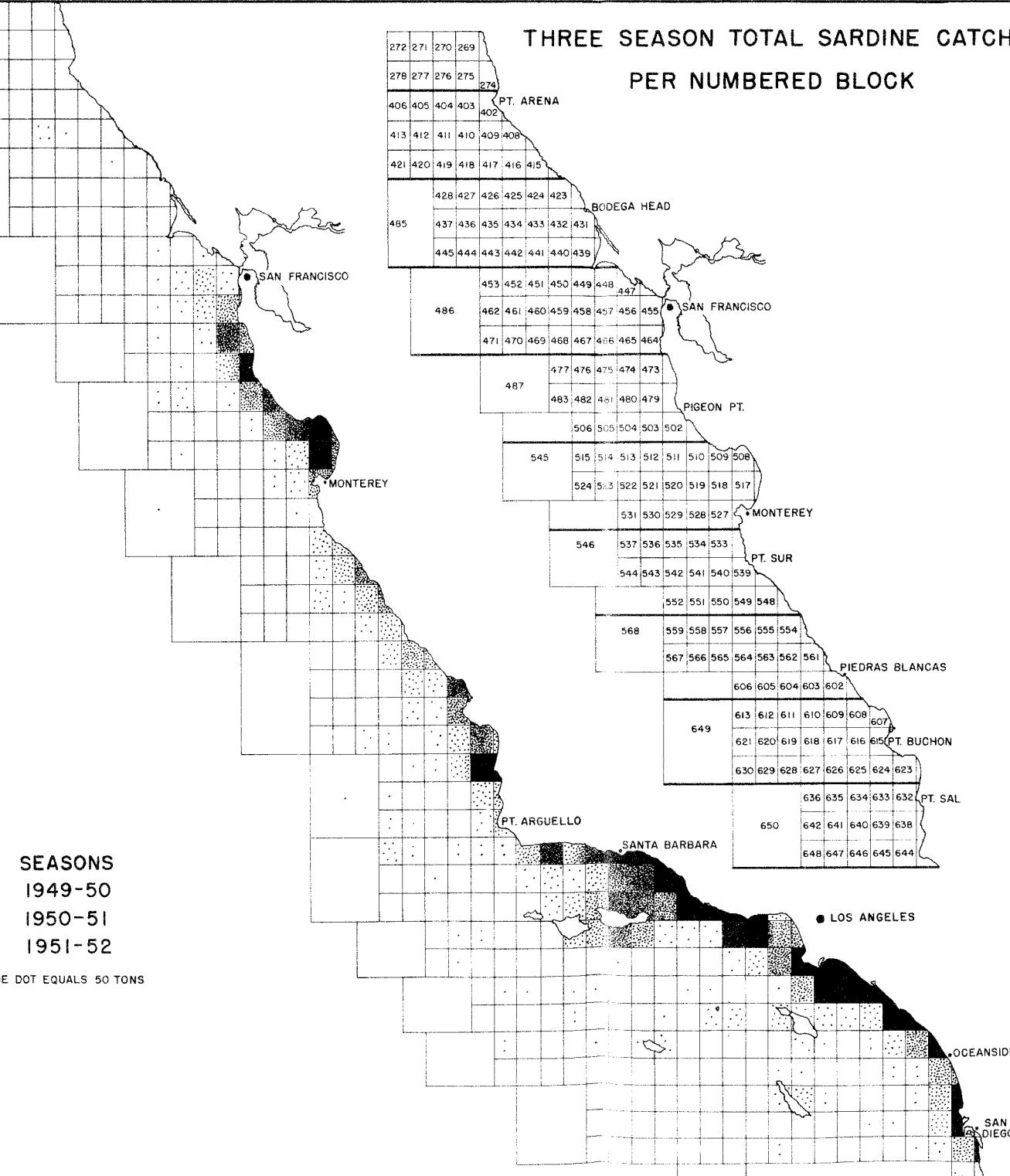


FIGURE 5



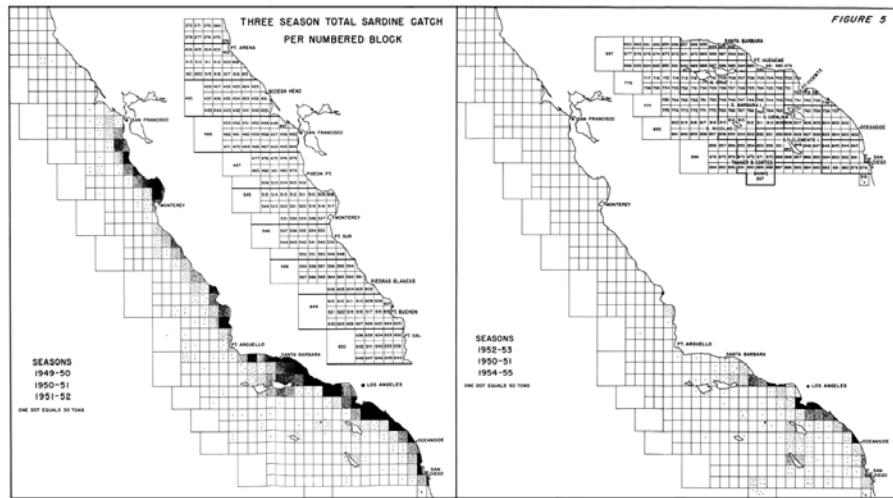


FIGURE 5

During each of the nine seasons, a small fishery was carried on in Monterey Bay but the Southern California fishing ground yielded over 75 percent of the tonnage. From 1946-67 to 1948-49, the catches were centered around Anacapa and Santa Catalina Islands. In the next three seasons, 1949-50 to 1951-52, the fishery tended to concentrate around the Palos Verdes Peninsula between Redondo Beach and San Pedro and, in general, closer to shore. In the last three seasons, 1952-53 to 1954-55, the fishery again tended to be farther offshore with a majority of catches made on Tanner and Cortez Banks, especially in 1952-53 (Fig. 3). In 1953-54 a fair proportion of the catch was still made on the offshore banks but, the grounds around the islands of San Clemente, Santa Catalina, Anacapa and the mainland adjacent to Pt. Hueneme each produced about the same amount of fish as Tanner and Cortez Banks. During the 1954-55 season almost no fish were taken on the offshore banks and the fishery concentrated around San Clemente Island.

A better understanding of the relative tonnages taken from each of the general areas can be obtained from Table 1. Monterey catches have fluctuated from a low of 88 tons in 1952-53 to a high of 13,430 in 1950-51. In Southern California, the five areas, Pt. Hueneme, Pt. Vicente, Oceanside and the islands of Santa Cruz and Santa Catalina supplied the main bulk of the catch up to the 1952-53 season. In that season the offshore banks of Tanner and Cortez supplied two-thirds of the catch with San Clemente a poor second, 16.5 percent. In the 1953-54 season the three areas, Tanner and Cortez Banks, Santa Catalina Island and Pt. Hueneme, each contributed slightly over 19 percent of the catch. In 1954-55, San Clemente Island waters yielded almost half of the catch (41 percent) and Pt. Vicente, 22 percent.

The fisheries for sardines, Pacific mackerel and jack mackerel are closely allied and an analysis of one species is difficult without considering factors affecting the other two. During the sardine season the boats are fishing primarily for sardines, but they may take mackerel also. Consequently, during the sardine season the jack mackerel catches tend to reflect the search for, and catching of, sardines. This was especially true until the nearly total failure of the sardine fishery in 1952-53 and 1953-54. Because there were almost no sardine schools on the Southern California grounds in these two seasons, the fishing localities for jack mackerel more directly reflect the distribution of the mackerel throughout Southern California waters. The two seasons were marked by heavy catches on the offshore banks which suggests that the center of abundance of these fish tends to be well offshore. These fishing grounds are too far from port for the boats to make a round trip every 24 hours and they have been fished only when the yield from the nearer grounds was inadequate.

In 1954-55 sardines were more abundant off Southern California and the major part of the sardine catch was taken along the mainland. The jack mackerel catches, on the other hand, were made farther offshore and centered around San Clemente Island. Because sufficient sardines and jack mackerel were available in the nearer waters to more than supply the cannery needs, the data yield no information about the presence or absence of mackerel on Tanner and Cortez Banks in this season.

1.2. SARDINE

The sardine fishery has long been a part of California's economy and for many years was considered an inexhaustible resource which yielded great income to fishermen, canners and allied industries. Because of the magnitude of this fishery, details of locality of catch have been published in previous years (Clark, 1937a and 1937b; Pinkas, 1951). Catch localities for the last six sardine seasons are shown in the accompanying charts and figures.

The season for processing sardines opens north of Point Arguello on August 1st and closes January 15th. South of this point the season opens October 1st and closes February 1st. Catches made prior to or after the season, for purposes other than processing, are excluded from the catch locality figures but not from the seasonal trend (Fig. 6).

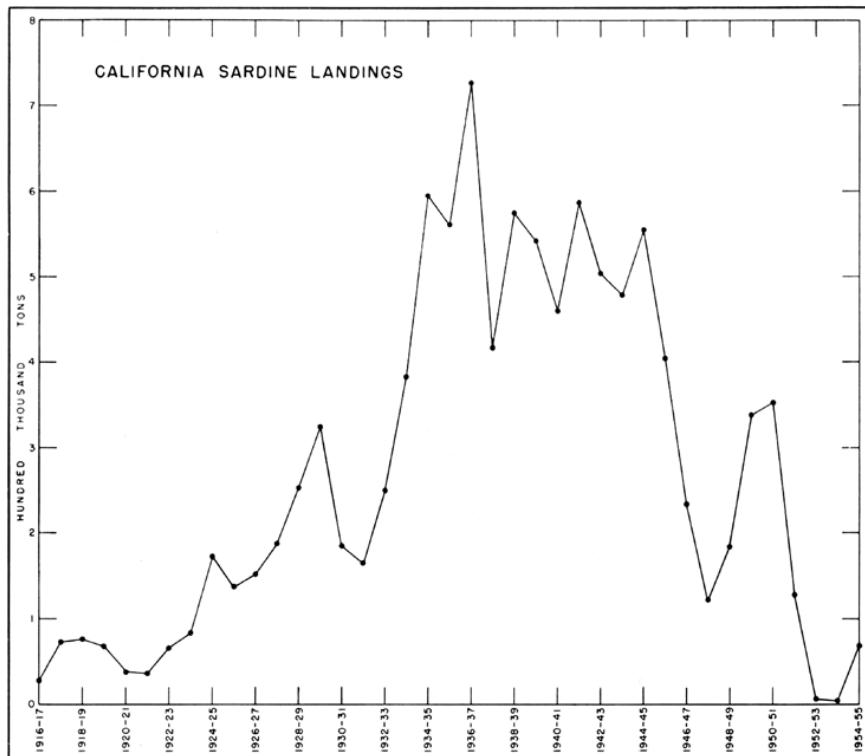


FIGURE 6. California sardine landings by season, 1916-17 through 1954-55. Includes deliveries to reduction ships 1930-38.

FIGURE 6. *California sardine landings by season, 1916-17 through 1954-55. Includes deliveries to reduction ships 1930-38*

During the three seasons, 1949-50 through 1951-52, the locality of catch did not differ greatly and these three seasons have been combined in Figure 5. In this time interval, north of Point Arguello areas of greatest catch were around Pigeon Point, Monterey Bay and Point Sal. South of Point Arguello the greatest catches were taken off the mainland near Santa Barbara, Hueneme and south to Point Dume, and from Point Vicente to Oceanside. An area of minor concentration occurred north of San Diego and considerable poundages were taken off Santa

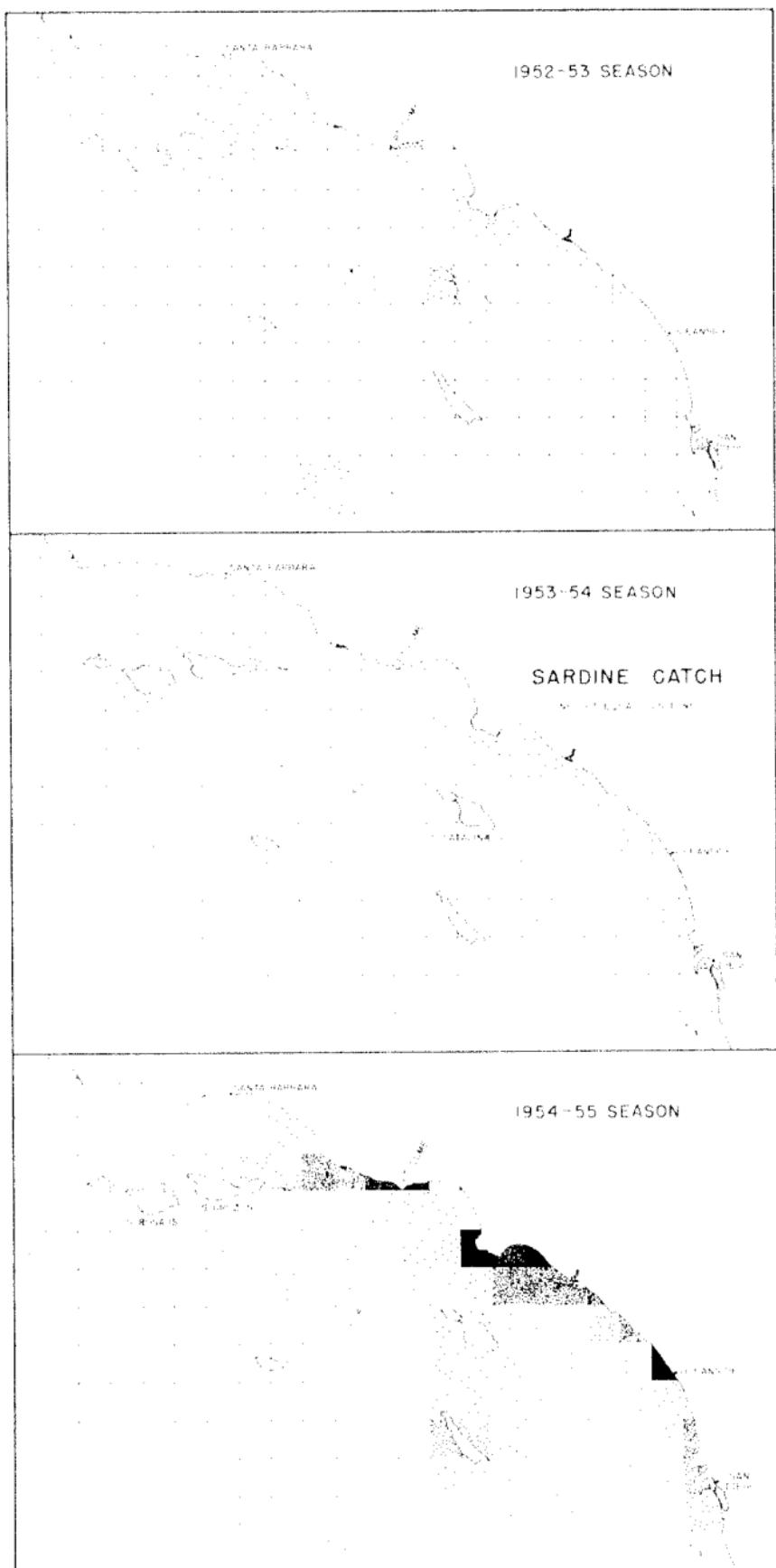


FIGURE 7. Three-season Southern California sardine catch.

Rosa Island. The remaining catches were scattered from north of San Francisco to the Mexican border, with the biggest portion of the take for these years coming from Southern California waters.

Between 1952-53 and 1954-55, the locality of fishing showed marked changes. There were practically no fish taken north of Point Buchon and the fishery was concentrated south and east of Hueneme. This was quite different from previous periods as some sardines had always been taken off Central California and in some years the latter fishing grounds supplied the major portion of the catch. Not only was the fishery concentrated in Southern California waters in the last three seasons, but, in addition, the landings declined seriously and the total take was less than any one season's catch since the early 1920's. The areas of greatest concentration were Point Vicente and Oceanside with a scattering of catches off Hueneme and Point Dume. Tanner and Cortez Banks yielded some fish and a few vessels caught sardines south of the International boundary.

In order to better understand the changes occurring in the last three seasons, catch localities for each season are shown in Figure 7. The most outstanding features are the small tonnages (less than 8,000) landed in 1952-53 and 1953-54 and the catches on Tanner and Cortez Banks in 1952-53. In this season these offshore banks yielded 23 percent of the landings. This was closely associated with the jack mackerel fishery during this time interval and the tonnage of sardines taken on these banks was insignificant in comparison with the jack mackerel landings. This offshore fishery does not indicate a great abundance of sardines well offshore and presumably the boats would not have fished the area had not jack mackerel been available and accepted by the cannery. Of the remainder of the 1952-53 catch, approximately 18 percent came from the Santa Cruz Island area and an equal percentage was taken off Point Vicente. The waters around Santa Catalina Island yielded slightly over 10 percent (See Table 2).

The very small landings in 1953-54 came chiefly from coastal waters with 41 percent off Point Vicente, 25 percent off Oceanside and 16 percent off Hueneme.

TABLE 2
Sardine Catch by General Fishing Areas

General area	Block numbers	1949-50		1950-51		1951-52		1952-53		1953-54		1954-55	
		Tons	%	Tons	%	Tons	%	Tons	%	Tons	%	Tons	%
Point Arena.....	401-421.....	117	.0	134	.0
Bodega Head.....	422-435.....	35	.0
San Francisco.....	446-471.....	4,027	1.2	2,020	.6
Pierow Point.....	472-500.....	20,952	6.4	9,834	2.9
Point Sur.....	501-515.....	51,315	15.4	17,175	5.3	61	.0
Point Sur.....	532-553.....	4,326	1.3	1,128	.3
Pedras Blancas.....	555-600.....	7,200	2.2	1,810	.5	426	.3
Pedras Blancas.....	601-625.....	1,162	.3	1,725	.5	426	.3
Point Sal.....	631-648.....	3,177	1.0	10,692	3.0	10,033	8.1	42	1.0	40	.1
Santa Barbara.....	651-657, 665-671.....	8,699	2.6	56,591	16.8	26,027	21.0	434	10.2	15	.6	655	1.0
Port Hueneme.....	664, 680-683, 703-706, 722-725.....	43,442	13.2	87,123	25.9	31,787	25.7	514	12.2	434	16.1	10,889	17.1
Channel Islands.....	707-710, 715-718, 726-729.....	10,540	3.4	12,423	3.6	10,669	8.9	750	1.9	50	.2	1,181	.0
Point Vicente.....	676, 701, 202, 718-721, 725-728.....	90,148	27.5	87,499	26.0	34,224	27.7	798	18.8	1,115	41.4	39,952	47.7
Oceanwide.....	736-748, 801-804, 821-825.....	25,213	7.7	31,611	9.1	7,302	5.9	58	1.4	603	25.8	8,854	13.9
Santa Catalina Island.....	726-762, 818-820.....	843	.3	323	.1	407	.3	696	11.7	7	.3	2,002	3.2
San Nicolas Island.....	770-785, 809-811.....	204	.1	231	.0	59	.1	50	1.1	157	.2
San Nicolas Island.....	746-749, 766-769, 812-815, 833-836.....	44	.0	96	.0	194	.2	26	.6	31	1.2	292	.4
San Diego.....	842-846, 860-864, 877-882.....	3,902	1.2	13,879	4.1	3,093	2.5	64	1.5	84	3.1	3,771	5.9
San Clemente Island.....	826-832, 847-852, 858-869.....	394	.1	29	.0	599	.5	8	.0	48	1.8	4,622	7.2
Tanner & Cortez Bank.....	853-858, 870-871, 888-901, 907.....	21	.0	924	23.0	49	.1
Total.....		328,203	100.0	236,319	99.8	123,683	99.9	4,227	99.9	2,609	100.1	63,879	100.0
Tons of unknown origin not included above.....		8,071		20,128		3,676*		395		497*		3,389*	
Total season's catch.....		336,305		356,647		127,380		4,532		3,187		67,258	

* Includes landings from south of the border.

Landings increased in 1954–55 to over 63,000 tons and it is estimated by many that the catch could have been twice as great had it not been for unfavorable economic conditions. The bulk of the catch was taken off the mainland with 48 percent from the waters off Point Vicente. Hueneme and Oceanside areas yielded 17 and 14 percent respectively. It is the consensus of the research agencies investigating the sardine that the increased landings during this season were due to a northward movement of sardines from central Baja California, Mexico. (Progress Report, California Cooperative Oceanic Fisheries Investigations, July 1, 1953–March 31, 1955, in press.)

The abrupt decline in sardines caught off Monterey and Central California is more clearly indicated by Table 2. Based on percentages in this table, the southern areas take on a false aura of importance. If the total seasonal catch is considered in conjunction with percentage figures, a clearer picture is obtained. The remnant sardine fishery in 1955 was off Southern California and no new fishing grounds were developed in this area except for sporadic catches off Tanner and Cortez Banks.

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

Common name	Scientific name
Anchovy	<i>Engraulis mordax</i>
Barracuda, California	<i>Sphyraena argentea</i>
Bonito	<i>Sarda chiliensis</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, shortfin	<i>Cynoscion parvipinnis</i>
Croaker, white (Kingfish)	<i>Genyonemus lineatus</i>
Small amounts of	
Queenfish	<i>Seriphus politus</i>
Dolphinfish, common	<i>Coryphaena hippurus</i>
Eel	
California moray	<i>Gymnothorax mordax</i>
Monkeyface-eel	<i>Cebidichthys violaceus</i>
Rock-eel	<i>Xiphister mucosus</i>
Flounder	
Starry flounder	<i>Platichthys stellatus</i>
Small amounts of other	
flatfishes	
Flyingfish	<i>Cypselurus californicus</i>
Grouper	Species of <i>Mycteroperca</i>
Hake	<i>Merluccius productus</i>
Halfmoon	<i>Medialuna californiensis</i>
Halibut, California	<i>Paralichthys californicus</i>
Halibut, Pacific	<i>Hippoglossus stenolepis</i>
Hardhead	
Greaser blackfish	<i>Orthodon microlepidotus</i>
Hardhead	<i>Mylopharodon conocephalus</i>
Herring, Pacific	<i>Clupea pallasi</i>
Lingcod	<i>Ophiodon elongatus</i>
Mackerel, jack	<i>Trachurus symmetricus</i>
Mackerel, Pacific	<i>Pneumatophorus diego</i>
Midshipman	Species of <i>Porichthys</i>
Needlefish, California	<i>Strongylura exilis</i>
Opaleye	<i>Girella nigricans</i>
Perch	
Surfperch	Members of family <i>Embiotocidae</i>
Pompano, California	<i>Palometa simillima</i>
Ratfish	<i>Hydrolagus colliei</i>
Rock bass	
Kelp bass	<i>Paralabrax clathratus</i>
Sand bass	<i>Paralabrax nebulifer</i>
Rockfish	All species of <i>Sebastodes</i> and <i>Sebastolobus</i>
Sablefish	<i>Anoplopoma fimbria</i>
Salmon	
King	<i>Oncorhynchus tshawytscha</i>
Silver	<i>Oncorhynchus kisutch</i>
Sanddab	<i>Citharichthys sordidus</i>
Small amounts of other	
species	

Sardine	<i>Sardinops caerulea</i>
Sargo, California	<i>Anisotremus davidsoni</i>
Sculpin	<i>Scorpaena guttata</i>
Sculpin, staghorn	<i>Leptocottus armatus</i>
Sea bass, black	<i>Stereolepis gigas</i>
Seabass, white	<i>Cynoscion nobilis</i>
Seatrout, greenling	<i>Hexagrammos decagrammus</i>
Shad	<i>Alosa sapidissima</i>
Shark	
Basking	<i>Cetorhinus maximus</i>
Bonito	<i>Isurus glaucus</i>
Dogfish	<i>Squalus acanthias</i>
Leopard	<i>Triakis semifasciata</i>
Soupfin	<i>Galeorhinus zyopterus</i>
Thresher	<i>Alopias vulpinus</i>
Varying amounts of other species	
Sheep-head	<i>Pimelometopon pulchrum</i>
Sierra	<i>Scomberomorus sierra</i>
Skate	
Big	<i>Raja binoculata</i>
California	<i>Raja inornata</i>
Longnose	<i>Raja rhina</i>
Smelt	
Grunion	<i>Leuresthes tenuis</i>
Jacksmelt	<i>Atherinopsis californiensis</i>
Surf	<i>Hyopsmus 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>
Swordfish	<i>Xiphias gladius</i>
Tomcod	<i>Microgadus proximus</i>
Tuna	
Albacore	<i>Thunnus germo</i>
Bigeye	<i>Parathunnus sibi</i>
Black skipjack	<i>Euthynnus lineatus</i>
Bluefin	<i>Thunnus saliens</i>
Oriental	<i>Thunnus orientalis</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>

Common name	Scientific name
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>
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>
White	<i>Haliotis sorenseni</i>
Clam	
Gaper	<i>Schizothaerus nuttalli</i>
Jackknife	<i>Tagelus californianus</i>
Japanese little-neck	<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>
Native	<i>Ostrea lurida</i>
Pacific	<i>Crassostrea gigas</i>
Snail, sea	Various species
Squid	<i>Loligo opalescens</i>

3. EXPLANATION OF TABLES

Tables published in this bulletin supply the complete available records of all fish, mollusks and crustaceans landed in California by commercial fishing vessels or shipped into California for processing. Fishing boats registering and delivering their catch in California may have their home ports in California, Oregon, Washington or Alaska; no distinction or separation is made in the catch records.

The term "shipment" as used in the tables indicates that the fish were brought into California by common carrier and that they were not caught by our registered fishing fleet. Shipment figures are complete for fish that are processed. Statistics on shipments of fish destined for sale, either fresh or frozen, or for transshipment are not included because our records are incomplete.

On our source documents (fish receipts) the condition or extent of cleaning is not always shown, and for the various species of fish, this cannot be ascertained. We, therefore, use the weight as given by the dealer with the exception of catfish for 1953. This species is usually delivered cleaned, and as the cleaning loss is 50 percent, the total poundage on the fish receipt is doubled.

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

Crab, market	2 lbs. each
Abalone, red	50 lbs. per doz.
Abalone, pink	35 lbs. per doz.
Abalone, southern green	35 lbs. per doz.
Clams, Mexican Pismo	8 lbs. round weight per 1 lb. cleaned weight
Clams, Washington	7 lbs. per dozen.
Oyster, eastern	30 lbs. per hundred
Oyster, Pacific	50 lbs. per hundred or 8 lbs. per gallon, cleaned

Clams shipped from Japan are published in these tables as cleaned weights since no conversion factor is available.

The value of the species of fish is based on the value to the fishermen at the time of delivery. When the price per pound is not indicated on the fish receipt, an average price is calculated for each region and applied to the unpriced fish. The regions and counties contained therein are shown in Figure 1.

Occasionally small poundages of fish are sold in counties away from the coastal regions. In these instances credit is given to the nearest port and region. Halibut delivered in the San Francisco region is not always separated by species. Hence the total landed in that region is published as 90 percent Pacific halibut and 10 percent California halibut.

Due to changes in Fish and Game laws, it was necessary to modify the tables within this report. In the latter part of September, 1953, it became illegal to sell catfish other than those imported or raised domestically. As a result catfish appear in the 1953 tables but not in 1954. Rock bass caught in California waters were removed from sale in 1953 and all poundages of these fish in the latter part of 1953 and in 1954 came from south of the border. Sale of surf perch caught south of Point Arguello was also prohibited in 1953. In 1954, California sargo, half-moon, opaleye and blacksmith, formerly combined with and shown as perch, are shown as distinct species. Since these fish are not members of the surf perch family (Embiotocidae), their sale is legal. In the past these species were frequently called perch. Now, through the cooperation of the fish dealers, they are distinguished as separate species.

The trend in total landings is shown in Table 3 and Figure 8 for the years 1916–1954. The pounds and value for 1953 and 1954 are compared in Tables 4 and 5 and Figures 9 and 10. The number of licensed fishermen and boats registered yearly are given in Tables 6 through 10. The term "yearly" is used as it distinguishes license year April 1 through March 31 from calendar year as used in the remaining tables.

Detailed poundages by species and regions for 1953 are included in Tables 11–20, and for 1954 in Tables 29–38. Similarly, value figures for 1953 are given in Tables 21–28 and for 1954 in Tables 39–46. The catch of the most important fish taken by party boat sportfishermen is given by numbers in Table 47 for the years 1947–1954. The live bait catch for 1950 through 1954 is included in Table 48.

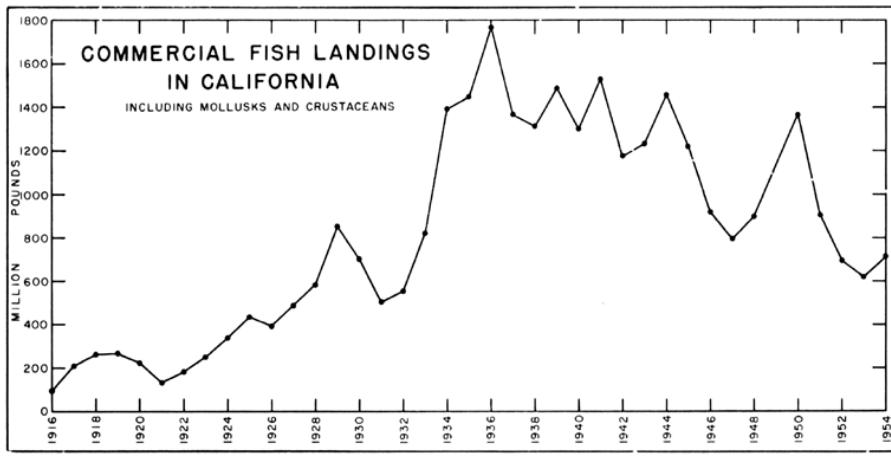


FIGURE 8. Total annual landings and shipments into California. Includes sardine deliveries to reduction ships 1930-38. See Table 3.

FIGURE 8. Total annual landings and shipments into California. Includes sardine deliveries to reduction ships 1930-38. See Table 3

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	1953.....	618,898,616
1934.....	1,390,798,650	1954.....	713,406,246
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

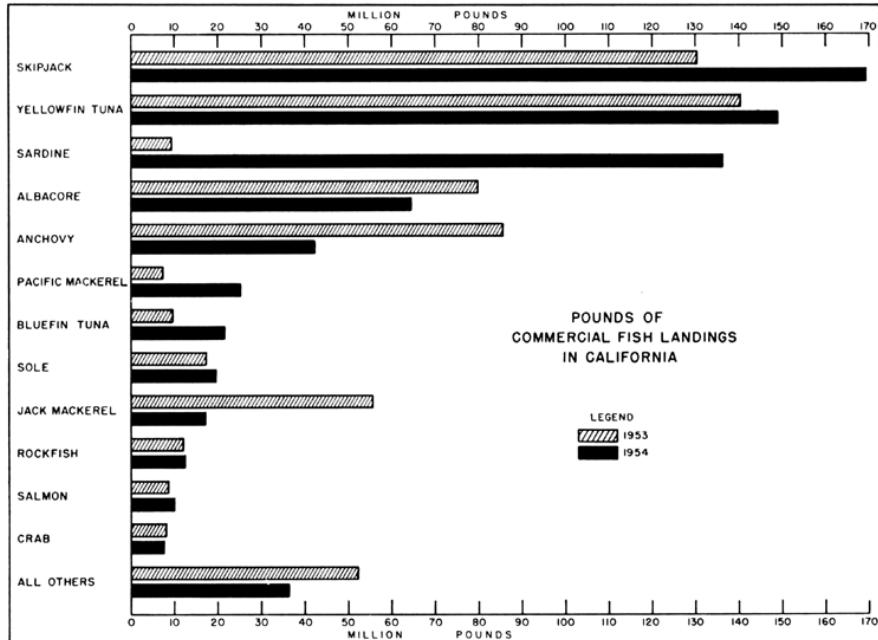


FIGURE 9. Comparative landings in 1953 and 1954 of the more important commercial species. Includes shipments and fishing boat landings. See Table 4.

FIGURE 9. Comparative landings in 1953 and 1954 of the more important commercial species. Includes shipments and fishing boat landings. See Table 4

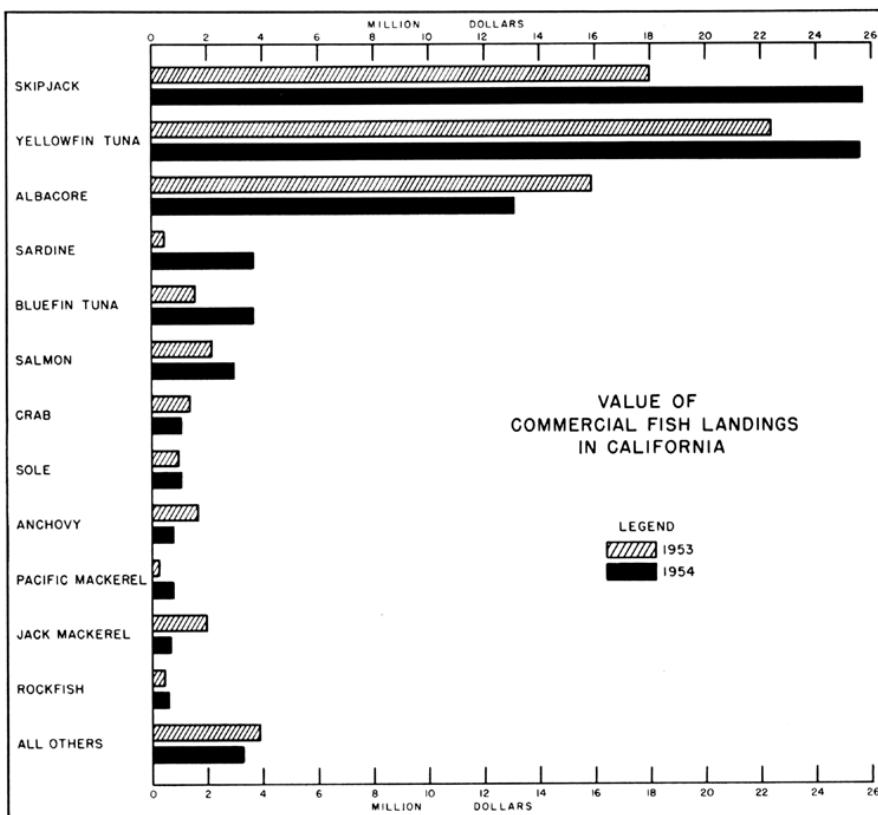


FIGURE 10. Comparative values in 1953 and 1954 of the more important commercial species. Includes shipments and fishing boat landings. See Table 5.

FIGURE 10. Comparative values in 1953 and 1954 of the more important commercial species. Includes shipments and fishing boat landings. See Table 5

TABLE 4
Total Commercial Fish Landings and Shipments Into California

1953		1954	
Species	Pounds	Species	Pounds
Yellowfin tuna.....	140,544,952	Skipjack.....	169,463,946
Skipjack.....	130,653,896	Yellowfin tuna.....	149,103,693
Anchovy.....	85,835,478	Sardine.....	136,509,767
Albacore.....	80,022,721	Albacore.....	64,573,673
Jack mackerel.....	55,750,855	Anchovy.....	42,410,214
Sole.....	17,526,726	Pacific mackerel.....	25,392,604
Rockfish.....	12,222,073	Bluefin tuna.....	21,663,106
Bluefin tuna.....	9,835,062	Sole.....	19,732,179
Sardine.....	9,468,872	Jack mackerel.....	17,333,547
Squid.....	8,917,114	Rockfish.....	12,650,541
Salmon.....	8,793,165	Salmon.....	10,094,658
Crab.....	8,278,257	Squid.....	8,155,105
Pacific herring.....	7,978,195	Crab.....	7,828,208
Pacific mackerel.....	7,502,181	Abalone.....	4,099,525
Pismo clam.....	6,317,152	Sablefish.....	2,804,918
Yellowtail.....	5,212,383	Bonito.....	2,322,961
Abalone.....	4,720,350	Yellowtail.....	1,670,730
Bonito.....	3,102,647	California barracuda.....	1,588,611
Sablefish.....	2,114,532	Bigeye tuna.....	1,249,937
California barracuda.....	1,443,698	White seabass.....	1,206,551
White croaker, (Kingfish).....	1,201,195	All others.....	13,551,772
All others.....	11,457,112		
Total pounds.....	618,898,616	Total pounds.....	713,406,246

TABLE 4
Total Commercial Fish Landings and Shipments Into California

TABLE 5

Value of Commercial Fish Landings and Shipments Into California

1953		1954	
Species	Value	Species	Value
Yellowfin tuna.....	\$22,424,554	Skipjack.....	\$25,680,987
Skipjack.....	17,999,482	Yellowfin tuna.....	25,559,675
Albacore.....	15,853,440	Albacore.....	13,142,936
Salmon.....	2,196,464	Sardine.....	3,701,222
Jack mackerel.....	1,993,865	Bluefin tuna.....	3,655,684
Anchovy.....	1,707,514	Salmon.....	3,031,839
Bluefin tuna.....	1,560,385	Crab.....	1,146,261
Crab.....	1,426,477	Sole.....	1,144,770
Sole.....	1,035,666	Anchovy.....	850,527
Rockfish.....	541,178	Pacific mackerel.....	808,592
Sardine.....	527,701	Jack mackerel.....	661,209
Yellowtail.....	489,977	Rockfish.....	553,756
Abalone.....	438,907	All other.....	3,314,054
All others.....	3,332,637		
Total value.....	\$71,528,247	Total value.....	\$83,251,512

TABLE 5
Value of Commercial Fish Landings and Shipments Into California

TABLE 6
Yearly Number of Licensed Commercial Fishermen in California

1945-1946.....	11,747	1950-1951.....	14,600
1946-1947.....	12,312	1951-1952.....	13,193
1947-1948.....	12,894	1952-1953.....	11,566
1948-1949.....	14,261	1953-1954.....	11,372
1949-1950.....	14,962	1954-1955.....	11,647

TABLE 6
Yearly Number of Licensed Commercial Fishermen in California

TABLE 7

Number of Commercial Fishermen Licensed by Region and License Year

Region of residence	Number of fishermen	
	1953-1954	1954-1955
Eureka.....	836	886
Sacramento.....	408	460
San Francisco.....	1,215	1,292
Monterey.....	936	971
Santa Barbara.....	467	451
Los Angeles.....	3,602	3,719
San Diego.....	2,922	3,015
Alaska, Washington and Oregon fishermen licensed in California.....	920	797
Mexican nationals licensed in California.....	56	50
Other registry.....	10	6
Totals.....	11,372	11,647

TABLE 7
Number of Commercial Fishermen Licensed by Region and 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
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
1953-1954.....	3,589	1,595	246	5,430
1954-1955.....	3,167	1,520	215	4,902

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 1953-1954 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-----	137	239	101	8	-----	4	489
Sacramento-----	56	167	20	1	1	1	246
San Francisco-----	51	560	148	12	1	2	774
Monterey-----	113	233	68	29	3	1	447
Santa Barbara-----	44	131	76	2	-----	-----	253
Los Angeles-----	358	977	438	104	39	22	1,938
San Diego-----	140	330	174	25	43	116	828
Alaska, Washington and Oregon-----	-----	53	326	63	6	7	455
Total number of boats-----	899	2,690	1,351	244	93	153	5,430 ¹

¹ The owners of 919 of these vessels were issued fishing party permits.

TABLE 9
Number of Fishing Boats, Grouped by Length and Region of Home Port, During the 1953-1954 Season

TABLE 10

Number of Fishing Boats, Grouped by Length and Region of Home Port, During the 1954-1955 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-----	104	223	84	4	-----	2	417
Sacramento-----	25	158	11	1	-----	-----	195
San Francisco-----	44	562	172	10	1	3	792
Monterey-----	107	232	57	20	1	-----	417
Santa Barbara-----	22	115	74	1	-----	-----	212
Los Angeles-----	253	809	409	96	22	22	1,611
San Diego-----	110	297	157	22	40	102	728
Alaska, Washington and Oregon-----	1	105	347	55	11	11	530
Total number of boats-----	666	2,501	1,311	209	75	140	4,902 ¹

¹ The owners of 904 of these vessels were issued fishing party permits.

TABLE 10
Number of Fishing Boats, Grouped by Length and Region of Home Port, During the 1954-1955 Season

TABLE 11
Origin of Shipments of Fresh Fish Into California During 1953

Shipped from	Shipped to					Total pounds
	Sacra- mento region	San Francisco region	Monterey region	Los Angeles region	San Diego region	
Continental United States:						
Carp.....	—	—	—	31,710	—	31,710
Eel.....	—	—	—	1,544	—	1,544
Salmon.....	—	—	—	26,608	—	26,608
Miscellaneous fish.....	18,355	—	—	111,073	—	129,428
Oregon, Washington, British Columbia and Alaska:						
Catfish.....	155	—	—	—	—	155
Halibut, Pacific.....	—	4,292	—	—	—	4,292
Herring, Pacific.....	—	15,494	—	160,773	—	176,267
Sablefish.....	214,174	—	—	244,935	—	459,109
Salmon.....	—	166,420	—	594,026	—	760,446
Shad.....	—	5,126	—	—	—	5,126
Tuna, bluefin.....	—	—	—	2,076	—	2,076
Miscellaneous fish.....	—	—	—	69,592	—	69,592
South of the international boundary:						
Barrauda, California.....	—	—	—	—	4,852	4,852
Cabrilla.....	—	—	—	—	5,644	5,644
Corvina, shortfin.....	—	—	—	—	3,010	3,010
Croaker, white (Kingfish).....	—	—	—	—	135	135
Grouper.....	—	—	—	—	180	180
Halibut, California.....	—	—	—	—	145	145
Rockfish.....	—	—	—	—	4,188	4,188
Seabass, white.....	—	—	—	—	35,781	35,781
Tuna, skipjack.....	—	—	—	1,469,337	—	1,469,337
Tuna, yellowfin.....	—	—	—	836,493	—	836,493
Crustacean:						
Prawn.....	—	—	—	—	2,600	2,600
Mollusk:						
Clam, Pismo.....	—	—	—	6,317,152	—	6,317,152
South America:						
Tuna, albacore.....	—	—	—	125,619	—	125,619
Tuna, skipjack.....	941,331	1,228,136	—	1,475,029	2,695,190	6,339,686
Tuna, yellowfin.....	73,020	646,150	—	1,186,689	677,786	2,583,645
Hawaii:						
Tuna, yellowfin.....	—	—	—	11,897	—	11,897
Japan:						
Tuna, albacore.....	—	3,616,813	190,578	33,749,567	8,504,239	46,061,197
Tuna, bigeye.....	—	20,000	—	—	—	20,000
Tuna, skipjack.....	—	201,585	—	250,959	86,169	538,713
Tuna, yellowfin.....	—	300,867	—	4,725,374	—	5,026,241
Miscellaneous fish.....	—	—	—	66	—	66
Mollusk:						
Clam ¹	—	—	—	2,824	—	2,824
Norway:						
Tuna, bluefin.....	—	—	—	60,371	—	60,371
Tuna, yellowfin.....	—	—	—	330	—	330
Total pounds.....	155	5,577,477	2,064,864	51,454,044	12,019,919	71,116,459

TABLE 11
Origin of Shipments of Fresh Fish Into California During 1953

TABLE 11—Continued
Origin of Shipments of Fresh Fish Into California During 1953

	Pounds		Pounds
Recapitulation:			
Barracuda, California.....	4,852	Sablefish.....	450,100
Cabrilla.....	5,644	Salmon.....	787,054
Carp.....	31,710	Seabass, white.....	35,781
Catfish.....	155	Shad.....	5,126
Corvina, shortfin.....	3,010	Tuna, albacore.....	40,186,816
Croaker, white (Kingfish).....	135	Tuna, bigeye.....	20,000
Eel.....	1,544	Tuna, bluefin.....	62,447
Grouper.....	180	Tuna, skipjack.....	8,347,736
Halibut, California.....	145	Tuna, yellowfin.....	8,458,606
Halibut, Pacific.....	4,292	Miscellaneous fish.....	199,086
Herring, Pacific.....	176,267	Crustacean:	
Rockfish.....	4,188	Prawn.....	2,600
		Mollusk:	
		Clam, ¹	2,824
		Clam, Pismo.....	6,317,152
		Total pounds.....	71,116,459

¹ Cleaned weight, no conversion factor available.

TABLE 11
Origin of Shipments of Fresh Fish Into California During 1953

TABLE 12
Origin of the Commercial Fish Landings and Shipments Into California During 1953

Species	Fishing boat landings				Shipments ¹	Total pounds of fishing boat landings and shipments combined
	California	North of the state boundary	South of the international boundary	Total fishing boat landings		
Anchovy.....	85,835,478	----	----	85,835,478	----	85,835,478
Barracuda, California.....	565,942	872,904	1,438,846	4,852	1,443,698	
Bonito.....	19,069	----	3,083,578	3,102,647	----	3,102,647
Cabezon.....	13,306	----	13,306	----	13,306	
Cabrilla.....	----	407,661	407,661	5,644	----	413,305
Carp.....	391,687	----	----	391,687	31,710	423,397
Catfish.....	29,754	----	29,754	155	29,909	
Corvina, shrimpfish.....	----	180	180	3,010	3,190	
Croaker, white (Kingfish).....	1,201,060	----	1,201,060	135	1,201,195	
Eel.....	----	----	----	1,544	1,544	
Flounder.....	497,608	4,829	502,437	----	502,437	
Flyingfish.....	72,831	----	72,831	----	72,831	
Grouper.....	----	479,478	479,478	180	479,658	
Hake.....	100,491	3,435	103,926	----	103,926	
Halibut, California.....	387,739	----	142,576	530,315	145	530,460
Halibut, Pacific.....	98,219	----	98,219	4,292	102,511	
Hardhead.....	45,358	----	45,358	----	45,358	
Herring, Pacific.....	7,801,928	----	7,801,928	176,267	7,978,195	
Lingcod.....	912,697	36,241	1,038	949,976	----	949,976
Mackerel, jack.....	55,750,343	----	512	55,750,855	----	55,750,855
Mackerel, Pacific.....	7,502,181	----	7,502,181	----	7,502,181	
Perch.....	295,915	675	296,590	----	296,590	
Pompano, California.....	11,391	----	11,391	----	11,391	
Rock bass.....	23,419	----	10,696	34,115	----	34,115
Rockfish.....	12,045,983	136,768	35,134	12,217,885	4,188	12,222,073
Sablefish.....	1,609,056	46,367	1,655,423	459,109	2,114,532	
Salmon.....	7,965,672	40,439	8,006,111	787,054	8,793,165	
Sanddab.....	686,591	3,852	690,443	----	690,443	
Sardine.....	9,429,816	----	39,056	9,468,872	----	9,468,872
Sculpin.....	119,418	----	120	119,538	----	119,538
Sculpin, staghorn.....	3,120	----	3,120	----	3,126	
Sea bass, black.....	7,823	404,156	411,079	----	411,979	
Seabass, white.....	471,206	----	402,087	873,293	35,781	909,074
Seatrout, greenling.....	139	----	139	----	139	
Shad.....	608,223	----	608,223	5,126	613,349	
Shark.....	433,067	----	16,690	449,757	----	449,757
Sheep-head.....	32,110	----	3,316	35,426	----	35,426
Sierra.....	----	906	906	----	906	
Skate.....	415,669	----	----	415,669	----	415,669
Smelt.....	670,116	----	----	670,116	----	670,116
Sole.....	15,914,902	1,611,824	----	17,526,726	----	17,526,726
Splitail.....	921	----	921	----	921	
Swordfish.....	107,579	----	35,252	142,831	----	142,831
Tomcod.....	517	----	----	517	517	
Tuna, albacore.....	13,297,627	47,468	20,490,810	33,835,905	46,186,816	80,022,721

TABLE 12
Origin of the Commercial Fish Landings and Shipments Into California During 1953

TABLE 12—Continued
Origin of the Commercial Fish Landings and Shipments Into California During 1953

Species	Fishing boat landings			Shipments ¹	Total pounds of fishing boat landings and shipments combined
	California	North of the state boundary	South of international boundary		
Tuna, bigeye.....	----	----	4,215	4,215	20,000
Tuna, black skipjack.....	----	5,868,973	9,772,615	62,447	4,215
Tuna, bluefin.....	3,903,642	122,304,876	122,306,160	8,347,736	9,835,062
Tuna, skipjack.....	1,284	----	----	----	130,653,896
Tuna, yellowfin.....	102	132,086,244	132,086,346	8,458,606	140,544,952
Turbot.....	69,158	----	69,158	----	69,158
Wahoo.....	----	26,188	26,188	----	26,188
Whitebait.....	179,292	----	179,292	----	179,292
Whitefish, ocean.....	912	4,927	5,839	----	5,839
Yellowtail.....	14,379	5,198,004	5,212,383	----	5,212,383
Miscellaneous fish.....	266,682	11,538	688	278,908	199,086
Crustacean:					
Crab.....	8,274,865	3,392	----	8,278,257	8,278,257
Crab, rock.....	49,300	----	----	49,300	49,300
Lobster, spiny.....	749,245	----	807	750,052	750,052
Prawn.....	2,723	----	----	2,723	5,323
Shrimp, bay.....	732,308	----	----	732,308	732,308
Shrimp, ocean.....	271,749	15,661	----	287,410	287,410
Mollusk:					
Abalone.....	4,720,350	----	4,720,350	----	4,720,350
Clam ²	----	----	----	2,824	2,824
Clam, gaper.....	2,124	----	2,124	----	2,124
Clam, jackknife.....	47,777	----	47,777	----	47,777
Clam, pismo.....	----	----	----	6,317,152	6,317,152
Clam, Washington.....	10,216	----	10,216	----	10,216
Mussel.....	782	----	782	----	782
Octopus.....	17,124	----	17,124	----	17,124
Oyster, eastern.....	129,733	----	129,733	----	129,733
Oyster, Pacific.....	161,520	----	161,520	----	161,520
Snail, sea.....	244	----	244	----	244
Squid.....	8,917,114	----	8,917,114	----	8,917,114
Total pounds.....	253,898,596	1,961,814	291,921,747	547,782,157	71,116,459
					618,898,616

¹ For origin of shipments refer to Table 11.
² Cleaned weight, no conversion factor available.

TABLE 12
Origin of the Commercial Fish Landings and Shipments Into California During 1953

TABLE 13
Monthly Landings and Shipments Into California During 1953

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Fishing boat landings:													
Anchovy.....	6,227,531	9,817,265	4,670,355	7,423,254	15,511,687	18,762,791	3,968,003	6,419,129	3,846,019	5,256,803	3,355,397	65,833,474	
Bait fish, California.....	41,693	357,109	261,382	154,717	258,650	162,664	90,395	19,188	58,549	69,918	11,145	18,530	1,138,845
Bonito.....	1,978	2,098	901	154,271	422	169,203	22,357	87,018	1,873,972	163,243	486,818	3,102,617	
Cabron.....	4,159	1,747	2,267	1,290	320	193	611	417	472	47	1,111	12,306	
Calella.....	70,028	99,662	53,077	69,175	42,265	25,264	—	—	23,202	13,199	8,796	407,691	
Carp.....	12,309	27,244	40,668	29,180	55,665	43,876	43,632	33,160	37,694	23,869	29,655	14,730	391,687
Catfish.....	5,696	1,122	5,448	16,058	346	—	—	1,094	—	180	—	29,264	
Cownose ray.....	—	—	—	—	—	—	—	—	—	—	—	—	100
Croaker, white (Kingfish).....	120,069	92,978	78,444	134,478	151,865	29,4819	55,053	56,030	51,519	63,817	48,611	53,650	1,201,060
Flounder.....	8,406	22,186	23,275	53,223	32,355	18,098	35,941	79,792	35,587	118,808	33,978	23,277	302,437
Flyingfish.....	—	—	—	—	—	—	—	—	—	—	—	—	72,831
Grouper.....	83,799	88,773	50,530	26,156	140	22,961	19,865	9,694	18,883	1,688	—	—	475,474
Hake.....	—	—	—	—	—	60	10,293	5,036	20,097	1,377	6,522	90,910	95,925
Halibut, California.....	34,294	37,961	34,051	36,355	27,686	25,185	53,966	73,011	51,164	48,607	4,762	20,812	103,926
Halibut, Pacific.....	56,139	—	—	—	151	5,313	55,587	5,938	2,561	1,206	829	61,758	122,681
Hardhead.....	12,276	7,747	4,181	3,046	—	—	—	—	—	—	7,164	—	7,222
Herring, Pacific.....	2,200,946	1,852,036	2,045,433	2,301,115	1,491,038	901,190	93,111	190,238	2,009	—	—	—	4,330
Lingcod.....	22,849	15,767	42,139	67,629	105,651	119,520	111,070	16,454	138,257	81,630	36,878	32,141	7,801,928
Mackerel, jack.....	1,092,676	243,279	4,071,448	15,271,264	897,697	10,290,127	11,638,956	1,097,698	3,295,717	2,003,327	1,330,138	85,614	55,740,854
Mackerel, Pacific.....	106,388	63,591	425	14,261	7,684	—	130,967	183,558	381,297	2,467,128	3,630,912	291,303	7,362,181
Perch.....	15,410	10,375	43,163	79,532	18,674	4,101	29,985	32,310	21,109	18,207	11,585	11,436	296,590
Pompano, California.....	1,267	3,097	4,886	5,511	364	425	4,476	324	301	1,282	461	1,359	11,291
Pompano, Pacific.....	398	4,524	3,291	2,246	331	4,279	8,496	3,969	711	339	298	341	1,115
Rockfish.....	555,623	878,230	1,297,389	1,238,417	1,028,667	918,969	918,634	1,100,683	1,132,232	1,122,494	878,665	846,873	12,217,885
Sablefish.....	52,493	72,656	84,496	134,327	130,784	151,940	206,429	217,412	138,511	234,817	94,390	157,222	1,655,423
Salmon.....	104	164	1,569	5,451	1,370,017	941,506	2,103,399	2,333,197	1,277,887	—	2,444	8,338	8,006,111
Sanddab.....	20,334	38,479	73,530	63,038	74,339	68,009	79,892	71,242	61,984	62,510	42,693	50,193	690,443
Sardine.....	916,017	273,403	182,283	116,690	41,363	272,526	62,127	318,151	1,151,508	4,009,021	1,602,051	196,612	9,468,872
Scallop.....	2,190	3,074	11,388	8,748	5,607	19,045	25,269	24,534	9,111	2,203	1,979	3,106	119,358
Scalpion, staghorn.....	290	175	120	895	—	—	—	—	95	790	919	395	3,109

DEPARTMENT OF FISH AND GAME

TABLE 13
Monthly Landings and Shipments Into California During 1953

THE MARINE FISH CATCH OF CALIFORNIA														
Sea bass, black.	13,536	31,000	5,698	8,608	17,324	36,945	9,869	16,078	12,063	56,143	53,423	108,488	411,079	
Seasal, white.	24,000	10,508	28,914	38,281	63,172	114,070	132,703	172,900	94,940	98,241	50,905	43,333	573,259	
Sole, green.	14							23						608,223
Shark.	46,334	17,822	18,558	23,206	9,628	62,531	37,688	9,013	32,580	41,757	32,186	40,854	149,737	
Sheep-head.	3,672	6,399	4,420	372	218	167	1,155	250	1,019	2,122	2,568	1,669	35,426	
Serra.												435	406	
Shore.	12,617	21,181	30,331	51,018	71,388	40,841	33,102	33,141	30,766	31,111	18,650	24,072	1,600	
Shore, sand.	20,945	13,145	18,000	20,000	12,192	19,132	23,799	18,000	31,150	18,213	18,707	18,707	670,116	
Sole.	915,702	856,991	785,407	1,187,715	1,197,547	1,794,500	2,108,081	2,611,951	2,092,448	1,880,625	941,998	1,14,755	17,526,726	
Spatial.	405	181	200	59	16		660	24,456	33,166	62,693	36,741	806		
Spaniard.													921	
Tomcod.													12,531	
Tuna, albacore.							97,28	9,171,814	11,624,084	11,118,104	1,940,715	88,930	33,835,905	
Tuna, black skipjack.							4,218						1,218	
Tuna, bluefin.													97,512,725	
Tuna, skipjack.	9,145,295	5,300,000	5,088,322	4,299,728	6,032,633	7,004,471	37	2,327,309	4,555,248	1,943,081	917,923	11,359	98,036	
Turbot.	6,029,499	3,701,515	5,890,771	20,693,050	19,556,321	19,556,371	15,079,027	18,657,009	15,604,053	6,784,359	6,695,476	5,900,730	6,574,890	13,656,346
Walleye.	4,563	1,151	1,511	7,300	3,837	1,974	1,500	3,669	3,591	1,822	3,480	2,666	1,311	26,188
Whitebait.	3,946	12,560	14,426	20,099	33,996	41,916	14,966	9,441	898	698	2,885	2,191	179,292	
Whitefish, ocean.	71	186	85	15	5	253	83		735	521,916	501	1,201	5,839	
Yellowtail.	113,704	74,671	14,477	115,078	276,281	509,570	29,815	249,452	522,016	1,699,258	889,012	75,008	5,212,383	
Misellaneous fish.	3,503	1,000	1,421	14,291	36,012	1,577	1,200	72,496	47,492	47,492	16,574	1,264		
Cetaceans:														
Cobia.	1,240,151	930,000	872,000	508,901	62,077	23,188	138,416							
Coral rock.	8,389	3,541	723	1,821	2,071	2,388	2,211	7,609	4,418	3,649	3,982	2,389	19,200	
Lobster, spiny.	106,424	107,853	35,339											
Prawns.	111	135	58	215	512	38	92	161	105	161	257	565	2,723	
Shrimp, bay.	36,965	28,872	72,427	63,507	63,877	67,209	92,709	93,077	110,000	66,678	33,345	28,698	22,909	
Shrimp, ocean.	83	91	225	23,842	44,107	56,479	65,843	78,346	24,392				287,410	
Mollusks:														
Abalone.	182,003		211,959	501,723	451,333	586,650	437,001	661,388	513,031	472,803	38,986	533,781	4,720,350	
Clam, gaper.	60	460	540	518	236	100	160				20		2,124	
Clam, jackknife.	2,093	2,292	2,825	3,696	6,932	5,634	2,718	5,608	4,140	2,718	1,956	1,345	47,777	
Clam, Washington.	1,254	883	1,611	3,334	24	19	78	42	774	774	577	537	1,261	
Scallop.	31	79	25	35	11	271							783	

TABLE 13—*Cont'd.*

TABLE 13—Continued
Monthly Landings and Shipments Into California During 1953

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds	DEPARTMENT OF FISHERIES AND MARINE INDUSTRY
Mollusk—Continued														
Octopus.....	1,426	1,398	1,414	3,022	2,562	772	737	477	987	1,151	1,194	1,964	17,424	
Oyster, eastern.....	12,231	14,137	13,307	11,113	10,015	8,335	8,136	6,624	4,194	11,505	10,752	17,464	129,733	
Oyster, Pacific.....	17,923	18,113	26,199	26,854	6,438	1,532	9,861	9,656	11,016	12,597	10,587	13,230	161,820	
Squid.....	5,600	4,227,065	941,238	23,673	190,645	151,133	1,197,213	899,578	120,503	252,500	801,867	71,297	8,917,114	
Total pounds.....	30,963,212	29,378,903	28,664,938	32,627,972	51,052,167	38,748,683	25,298,842	51,507,830	48,639,400	38,110,776	36,690,041	33,097,491	547,782,157	
Shipments! San Fran., California														
Codfish.....														
Carp.....	10,960	11,700	2,000											
Carfish.....														
Cowfish, shortfin.....	310			2,700										
Croaker, white (Kingfish).....							133							
Ed.....							180							
Hake, California.....							145							
Hake, Pacific.....							2,072							
Herring, Pacific.....				160,773										
Rockfish.....							4,188							
Sablefish.....	32,479	40,219	14,597	1,000	10,008	10,618	81,587	31,332	29,221	56,329	39,512	82,067	459,109	
Salmon.....	31,102	210,266	58,341	128,668	7,237	32,790	31,778	32,514	47,298	51,671	39,000	60,108	757,034	
Seabass, white.....	1,410			8,741		560	2,296	22,564		600			35,781	
Shad.....							884	4,242						5,126
Tuna, albacore.....	938,960	1,065,211	4,750,346	2,007,203	4,041,380	4,242,269	11,317,003	10,192,910	368,720	233,471	36,520	213,480	46,186,116	
Tuna, bigeye.....														30,000
Tuna, bluefin.....														62,447
Tuna, skipjack.....	789,962	1,495,983	530,516	430,625	332,839	1,222,099	1,286,381	843,335	278,348	770,838	231,016	91,907	8,347,736	

TABLE 13—Cont'd.

Tuna yellowfin.....	121,641	272,142	156,451	396,831	541,257	5	1,031,078	1,099,326	615,135	411,556	2,320,672	805,953	710,561	8,458,606
Micellaneous fish.....			117,792	2,753				1,821	30,233	31,180				199,696
Crustacean:														
Prawn.....												2,600		2,600
Mollusk:														
Clam ^a :														
Clam, Pismo.....	1,080	98,090	45,148	122,794	211,250	211,250	3,280,552	1,293,464	115,312	1,380				2,824
Total pounds.....	1,968,490	3,753,491	5,869,193	8,289,617	8,210,863	8,205,436	17,110,733	13,125,481	1,372,294	3,528,393	1,499,277	1,321,111		71,116,450
Grand total fishing boat landings and shipments.....	32,933,702	31,111,296	31,354,131	60,917,619	59,203,039	67,014,119	92,409,565	74,633,311	50,011,694	41,639,169	38,189,318	34,415,632	618,898,616	

^a For weight of shipments refer to Table 11.^b Cleaned weight, no conversion factor available.

TABLE 13—Cont'd.

TABLE 14
Monthly Landings of the Commercial Fishing Boats in the Eureka Region During 1953

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds	DEPARTMENT OF FISH AND GAME	
Fishing boat landings from California waters:															
Carp.....	181	1,427	16,308	18,533	29,119	13,610	28,322	58,361	12,477	2,117	417		13,010	212,483	
Puffer.....														71,696	
Baleen.....														45,669	
Hhalibut, Pacific.....															
Lingcod.....	1,128	5,065	19,500	36,674	68,308	89,091	83,112	109,790	103,432	31,940	7,859	9,019	284,123		
Mackerel, jack.....														887	
Perch.....	938	2,979	11,561	17,471										64,997	
Haddock.....	48,290	87,012	327,128	338,410	300,192	289,577	300,013	148,907	200,341	260,341	131,150	131,150	2,412,150		
Sablefish.....	27,945	2,260	15,549	22,592	37,372	41,659	110,011	136,769	77,893	177,962	80,153	\$1,160	792,117		
Salmon.....														2,999,190	
Sardines.....	271	2,484	12,839	16,299	18,439	13,342	12,818	17,442	4,307	4,104	1,096	1,063	192,574		
Shark.....														16,303	
Skate.....														109,916	
Smelt.....		8,215	16,082	45,360	64,003	31,186	21,367	50,151	32,525	23,934	9,676	11,865	316,394		
Starfish.....		46		1,057	2,177	9,359	31,264	19,588	13,197	2,954			84,642		
Stile.....	386,385	492,692	396,195	63,999	68,459	1,277,163	1,469,219	1,897,250	1,397,256	1,097,256	601,545	453,860	11,055,017		
Tuna, albacore.....														294,531	
Turbot.....	720	1,725	1,855	221	160									15,290	
Whiting.....	742	3,121	5,521	7,247	19,812	27,615	26,214	5,561		1,972	433		66,899		
Micromesistius fish.....	218	6,169	17,511	10,998	35,011	872	21,270	64,809	21,586		56			177,837	
Crustaceans:															
Crab.....	829,279	617,326	794,000	458,482	601,090	165,394	10,205						622,518	4,102,761	
Shrimp, ocean.....														27,484	
Mollusks:															
Ocean, Washington.....	1,254	883	1,611	3,314		80	210	150	251	210	1,061	773	556	313	9,968
Octopus.....														973	
Total pounds.....	1,497,503	1,296,378	1,629,147	1,650,267	2,076,401	2,477,423	2,556,198	4,023,161	2,575,185	1,857,072	620,656	1,316,210	23,916,310		

TABLE 14
Monthly Landings of the Commercial Fishing Boats in the Eureka Region During 1953

THE MARINE FISH FAUNA OF CALIFORNIA

TABLE 14—*Cont'd.*

TABLE 15
Monthly Landings and Shipments of Commercial Fish Into the Sacramento Region During 1953

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds	DEPARTMENT OF FISHERIES AND GAME
Fishing boat landings from California waters:														
Catfish.....	10,908	11,958	9,126	29,131	48,105	30,866	42,132	31,990	33,594	20,819	31,990	14,739	247,058	247,058
Carp.....	3,806	1,126	3,121	18,559	349	1,094	2,714	2,714
Halibut.....	12,279	7,737	4,448	3,099	39,050	804,860	7,164	3,558	2,003	45,358	45,358
Salmon.....	101	164	1,660	5,451	7,725	2,111	8,338	869,696	869,696
Sardine.....	48,364	150,882	410,972	608,223	608,223
Splittail.....	493	181	260	59	16	921	921
Miscellaneous fish.....	30	199	139	139
Total pounds.....	29,302	11,182	67,415	204,980	467,229	30,866	42,132	71,010	841,548	27,828	17,562	30,077	1,841,109	1,841,109
Shipments: ¹														
Catfish.....	155	155	155
Total pounds.....	155	155	155
Grand totals, Sacramento region.....	29,302	11,182	67,415	204,980	467,229	30,866	42,132	71,010	841,548	27,828	17,562	30,077	1,841,301	1,841,301

¹ See Table 11 for origin of shipments.

TABLE 15
Monthly Landings and Shipments of Commercial Fish Into the Sacramento Region During 1953

TABLE 16
Monthly Landings and Shipments of Commercial Fish Into the San Francisco Region During 1953

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Fishing boat landings from California waters:													
Anchovy.....	415,360	1,921,700	25,603	23,255	56,310	220,452	46,230	68,720	19,162	102,792	3,972,531
Cod.....	1,065	135	439	139	139	139	139	139	139	139	139	139	2,117
Croaker, white (Kingfish).....	148	20	328	25	643	108	300	687	228	338	65	65	3,179
Flounder.....	7,142	19,207	6,582	1,711	3,305	1,639	1,367	14,766	21,864	102,681	49,531	12,642	230,437
Hake.....	10,370	10,370
Halibut, California.....	4,911	486	29	17	53	13	269	70	114	84	444	245	5,838
Halibut, Pacific.....	26,130	4,374	261	153	479	116	2,423	632	1,021	759	3,966	2,206	42,550
Herring, Pacific.....	2,000,000	1,600,000	17,401	4,001	1,000	20	1,227	1,227	1,227	1,227	1,227	1,227	11,113
Lingcod.....	16,147	7,287	10,203	16,130	24,980	8,532	36,116	22,294	19,629	23,351	18,574	20,962	207,662
Mackerel, jack.....	80	2,045	1,577	1,577	1,577	1,577	3,792
Pacific.....	4,259	2,229	17,280	18,038	4,827	6,611	3,791	6,745	655	839	65,513	65,513
Rockfish.....	431,253	394,614	188,122	364,657	398,614	136,626	134,133	267,283	363,999	381,805	418,253	341,909	4,120,739
Sablefish.....	5,841	348	5,148	32,115	49,102	17,252	22,316	29,783	19,234	13,819	11,140	15,610	222,109
Salmon.....	521,363	357,311	1,161,014	1,054,889	219,739	11,140	11,140	11,140	3,311,847
Sandlak.....	17,618	22,357	30,605	21,726	31,380	6,822	9,398	17,671	9,133	27,726	38,633	39,033	263,968
Sculpin, stomach.....	200	175	120	105	95	78	78	78	910	365	3,120
Seal, white.....	11	11	11	11	11	11	11	11	11	11	11	11	210
Shark.....	10,716	6,147	7,173	1,084	3,000	221	1,084	9,567	8,850	13,431	13,163	7,332	77,792
Skate.....	11,875	13,399	6,733	3,200	3,600	1,830	4,000	3,215	3,620	3,763	8,605	6,115	71,090
Smelt.....	4,733	22,402	44,504	31,298	20,116	12,565	30,133	21,549	27,013	21,290	9,055	3,780	218,833
Sole.....	291,760	299,983	222,269	216,881	266,717	95,817	111,119	272,446	295,722	348,294	275,949	422,961	3,167,918
Swordfish.....	409	409	409	409	409	517
Tuna, albacore.....	4,231,330
Turbot.....	1,342	7,367	3,029	1,910	2,853	1,935	356	162,766	3,698,831	317,303	23,005	420	33,058
Whitebait.....	3,004	8,388	7,258	10,345	12,952	8,468	4,893	3,857	824	480	2,563	2,139	65,420
Miscellaneous fish.....	882	882	12	85	200	285	113	4,765	22,055	9,611	6,487	4,292	48,737

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TABLE 16
Monthly Landings and Shipments of Commercial Fish Into the San Francisco Region During 1953

TABLE 16—Continued
Monthly Landings and Shipments of Commercial Fish Into the San Francisco Region During 1953

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Crustaceans:													
Crab.....	416,550	302,741	68,585	39,520	63,610	64,643	126,703	1,787,539	1,255,597	1,125,890	
Shrimp, bay.....	36,967	28,373	72,837	61,254	53,258	61,267	74,220	93,197	141,804	46,678	33,845	28,608	732,308
Shrimp, ocean.....				89			13,304	39,859	1,129				43,343
Mollusks:													
Ahalas.....				6,100	1,250	3,825	1,200	2,875	1,050	4,600	3,500	3,123	27,423
Oysters, Washington.....				89	21	16	78	42	24	21	24	248
Oysters, eastern.....	893	476	443	270	340	227	198	35	425	355	117	96	1,205
Oyster, Pacific.....	13,231	14,157	13,307	11,113	10,025	9,235	8,426	6,624	4,494	11,905	10,752	17,464	129,733
Oyster, total.....	16,966	11,259	18,183	15,031	6,458	4,552	9,364	9,656	11,016	12,997	10,585	13,290	134,449
Total pounds.....	4,692,071	4,742,699	1,220,134	876,728	1,539,272	1,013,014	1,838,667	2,121,477	5,077,319	1,489,017	2,750,820	2,214,435	29,590,074
Fishing boat landings from waters north of the state boundary:													
Tuna, albacore.....									47,468				47,468
Total pounds.....									47,468				47,468
Shipments: ¹													
Herring, Pacific.....								2,072					
Sablefish.....	23,000	3,000	1,000	3,819	4,813	24,317	39,988	79,221	30,074	27,362	32,350	15,494	13,494
Salmon.....	209	73,832	6,341	16,530	6,299	2,006	13,057	2,000	50,243				166,420
Shad.....				884	4,232	2,006							8,126
Tuna, albacore.....	237,750	291,413	290,630	383,989	348,017	915,178	329,650	192,939	121,310	102,940			3,618,813
Tuna, kigore.....													300,000
Tuna, yellowfin.....	568,027	234,435			31,773	138,810	88,814	19,003					1,116,916
Tuna, yellowfin.....	109,053						42,910	94,056	16,736				373,857
Minevillaceous fish.....								18,355					18,355
Total pounds.....	693,232	551,039	297,754	302,160	146,676	706,882	1,071,224	70,211	210,896	39,627	150,532	129,241	5,577,477
Grand totals, San Francisco region.....	5,375,303	5,293,128	1,617,888	1,172,888	1,976,948	1,719,896	2,912,891	2,899,688	3,363,683	1,693,674	2,901,332	2,411,690	33,205,019

¹ See Table 11 for origin of shipments.

TABLE 16
Monthly Landings and Shipments of Commercial Fish Into the San Francisco Region During 1953

TABLE 17
Monthly Landings and Shipments of Commercial Fish Into the Monterey Region During 1953

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds	TIME MARINE FISH CATCHES CALIFORNIA
Fishing boat landings from California waters:														
Anchoa.....	5,276,424	6,231,867	747,498	18,800	1,200	55,000	670,520	587,549	490	5,800	13,691,950	
Codfish.....	1,775	1,400	1,200	97	140	303	8,800	10,000	12	27	1,090	2,697	
Carp.....	1,151	567	49	1,200	2,100	3,300	12,700	21,687	
Croaker, white (Kingfish).....	14,675	23,337	7,119	7,690	11,533	51,800	27,603	37,792	23,451	61,003	30,883	27,450	205,848	
Flounder.....	780	1,088	273	1,035	929	1,015	5,775	2,720	1,240	10,988	6,415	7,935	40,200	
Hake.....	2,048	778	1,335	404	604	2,823	11,651	2,753	264	1,038	2,833	1,824	18,425	
Haddock, California.....	33,300	333,600	1,270,000	750,000	10,200	14,000	14,000	2,000	1,400	1,400	2,679	
Lingcod.....	2,898	1,403	5,547	10,650	11,519	15,263	10,490	6,211	3,991	3,235	8,095	13,399	92,378	
Mackerel, jack.....	23,740	27,053	2,348	40,183	66,116	813,574	124,869	22,698	77,353	1,199,932	
Mackerel, Pacific.....	780	780	780	
Perch.....	697	223	2,061	6,777	144	10,874	5,895	331	1,816	2,016	1,091	31,741	
Pompano, California.....	1,217	3,150	784	158	168	144	123	5	99	302	1,359	7,489		
Rockfish.....	21,220	23,457	28,000	423,500	372,000	438,000	419,000	396,000	394,291	409,800	293,183	227,728	4,097,631	
Sablefish.....	18,462	64,922	63,034	77,619	32,518	63,968	70,219	20,523	30,090	26,646	25,292	65,000	488,382	
Salmon.....	598,200	155,263	82,819	50,312	727	790,570	
Sardine.....	2,013	11,210	31,800	21,231	24,361	45,534	26,331	35,250	28,000	2,160	7,620	8,538	20,651	
Sardine.....	730	290	300	100	13	13	1,423		
Seabass, white.....	211	820	1,017	516	80	32	2,160	9,729	103	79	56	14,533	
Seastrot, greenling.....	14	80	25	100	100	100	139		
Shark.....	7,620	72	749	865	32	601	4,656	7,459	382	21,178	1,116	209	25,679	
Skate.....	932	81	1,070	9,200	2,045	4,835	7,500	1,272	820	365	14,178	
Skate.....	582	3,161	2,821	3,655	2,172	2,000	82,500	1,446	33,154	20,000	35,444	17,630	176,630	
Sole.....	23,442	33,956	56,600	125,202	125,515	177,894	143,197	121,410	110,803	121,987	84,837	71,311	1,199,631	
Swordfish.....	476	476	476		
Tuna, albacore.....	29,898	2,197,530	25,095	1,345	2,408,848		
Tuna, skipjack.....	69	1,284	1,284		
Turbot.....	335	20	10	55	77	557		
Whitebait.....	200	1,001	1,744	2,897	2,389	5,773	3,251	3,485	1,305	1,305	658	1,648		
Macrouridous fish.....	12	5,467	5,467		

TABLE 17
Monthly Landings and Shipments of Commercial Fish Into the Monterey Region During 1953

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds	DEPARTMENT OF FISHLANDS AND GAME		
Crustacean:																
Crab.....	2,242	4,107	2,629	1,864	115	156	6	75	100	93	161	1,462	1,576	13,567		
Prawn.....	111	135	58	215	280	257	56	2,050		
Mollusk:																
Alaulone.....	4,225	9,650	1,750	10,600	26,225
Clam, gaper.....	60	460	540	548	236	1,623	160	274	312	263	278	20	652	1,124	2,121	
Octopus.....	266	796	211	1,145	1,359	99	134,513	1,178,436	899,293	77,100	230,968	811,001	8,245	3,529,829	4,717,793	
Squid.....	2,910	23,003	160,645
Total pounds.....	5,774,490	6,672,202	1,066,400	1,047,334	2,728,481	1,826,837	2,135,024	1,848,354	4,245,410	1,581,948	1,353,732	654,906	31,535,118			
Shipments¹:																
Tuna, albacore.....	94,307	96,271	190,578		
Tuna, skipjack.....	116,329	206,384	120,017	129,927	139,023	347,084	178,422	1,228,152		
Tuna, yellowfin.....	237,172	107,631	88,432	85,263	130,671	646,150		
Total pounds.....	116,329	331,963	323,869	129,877	224,455	432,345	306,096	2,061,864		
Grand total, Monterey region.....	5,774,490	6,788,531	1,066,400	1,059,197	3,052,380	1,956,714	2,359,479	2,280,699	4,245,410	1,581,948	1,353,732	654,906	33,569,932			

¹ See Table 11 for weights of shipments.

TABLE 17
Monthly Landings and Shipments of Commercial Fish Into the Monterey Region During 1953

TABLE 18
Monthly Landings of the Commercial Fishing Boats in the Santa Barbara Region During 1953

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds	TIDE MARINE FISHERY CATCH	
Fishing boat landings from California															
Anchoa.....	401,188	1,491,779	1,491,037	2,340,128	6,233,802	6,653,361	1,849,121	2,057,141	4,858,732	2,206,927	3,506,016	1,553,975	34,735,210	180,457	
Barracuda, California.....	405	126,098	23,954	—	—	—	—	—	—	—	25	51	2,809	—	
Cabazon.....	1,019	796	544	373	—	—	—	—	—	—	180	—	23,015	—	
Croaker, white (Kingfish).....	543	151	1,022	6,302	17,217	—	—	3,820	1,200	2,100	—	615	2,700	5,485	
Flounder.....	393	564	312	1,292	—	—	—	—	—	—	—	—	—	—	
Herring, California.....	19,929	18,141	11,765	12,798	9,873	8,188	7,252	8,869	13,671	14,710	12,467	19,088	156,715	11,544	
Herring, Pacific.....	—	—	—	—	1,475	139,970	174,600	27,820	17,760	—	—	—	342,625	13,269	
Lingcod.....	1,065	1,093	3,376	8,555	3,196	7	500	138	890	353	1,592	969	8,619,355	3,368	
Mackerel, jack.....	351,869	68,100	1,973,380	245,228	8,000	127,300	2,778,097	842,330	1,637,440	150,185	418,600	7,545	21,900	94,278	1,171
Mackerel, Pacific.....	—	—	—	—	—	—	—	—	—	4,729	68,158	—	—	—	
Perch.....	2,314	1,858	925	1,472	—	—	—	298	1,052	2,006	14	297	1,798	—	
Pompano, California.....	—	—	—	—	—	—	—	—	—	—	—	—	—	11	
Rock bass.....	185	44	181	2,181	244	—	—	71	—	—	—	—	—	3,368	
Rockfish.....	16,691	28,562	30,397	29,459	27,467	6,634	3,259	5,601	7,441	12,868	15,830	11,839	165,453	—	
Sablefish.....	—	—	—	—	88	167	—	22	—	—	—	1,193	1,670	—	
Salmon.....	—	—	—	—	1,159	1,197	71,412	1,799	1,308	—	—	—	76,895	—	
Sardine.....	132	1,791	6,015	1,047	98	59	158	185	105	82	1,136	852	13,260	9,024	
Sardine.....	133,965	70	—	14	—	—	10,412	60,938	131,032	30,711	245,410	—	—	1,275	
Sea trout.....	—	—	—	—	145	69	470	83	—	—	—	—	—	40,051	
Sebastus, white.....	1,815	691	889	2,174	585	2,174	17,783	11,711	4,942	18,857	220	42	58,550	—	
Shark.....	7,045	8,680	4,743	6,700	13,638	17,332	12,656	20,119	2,653	3,061	3,275	3,773	100,333	—	
Sheephead.....	2,174	935	339	37	47	49	28	26	64	205	400	5,049	9,378	—	
Shore.....	103	425	621	303	1,001	719	—	—	—	—	—	4,794	7,769	—	
Smelt.....	1,050	550	409	1,235	480	1,209	2,084	160	4,375	5	1,330	—	13,059	—	
Sole.....	13,902	33,362	114,919	168,833	56,947	41,263	24,781	18,058	12,253	10,297	23,147	29,813	40,051	—	
Swordfish.....	—	—	—	—	—	—	—	1,333	2,429	691	974	818	—	3,932	
Tuna, albacore.....	—	—	—	—	—	—	—	23,099	772,048	269,140	14,670	—	1,046,441	—	
Tuna, bluefin.....	—	—	—	—	—	—	—	44,335	58,308	—	—	—	—	112,643	
Turbot.....	2,097	2,539	2,821	1,515	694	594	—	85	—	—	688	2,297	14,055	—	
Whiting.....	—	—	—	—	—	—	—	—	—	—	428	—	—	428	
Miscellaneous fish.....	846	1,121	731	630	32	69	6	10	—	—	38	—	3,290	—	

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TABLE 18
Monthly Landings of the Commercial Fishing Boats in the Santa Barbara Region During 1953

TABLE 18—Continued
Monthly Landings of the Commercial Fishing Boats in the Santa Barbara Region During 1953

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Cephalopods:													
Crab.....	1,640	4,400	7,392	10,021	4,892	1,365	1,000				373	2,101	32,611
Crab, rock.....	4,654	2,795	349							315			8,105
Lobster, spiny.....	32,169	49,171	28,235							32,722	49,439	53,423	236,259
Dolphin.....					222	20	521			12			673
Shrimp, ocean.....				23,746	41,755	35,356	51,529	23,076	23,052				198,505
Mollusk:													
Abalone.....	24,404		50,676	181,224	147,803	139,000	17,050	221,690	231,116	118,525	139,169	199,924	1,630,381
Octopus.....	179	142	20	786	555	196							1,878
Oyster, Pacific.....	6,927	6,874	8,016	5,254					1,515			8,815	27,871
Squid.....													16,033
Total pounds.....	1,038,965	1,847,318	3,766,747	2,989,179	6,691,339	7,211,299	5,188,333	3,376,963	7,714,840	3,313,022	4,456,862	1,901,632	49,496,195
Fishing boat landings from waters south of the international boundary:													
Swordfish.....								1,234					1,234
Total pounds.....								1,234					1,234
Grand totals, Santa Barbara region	1,038,965	1,847,318	3,766,747	2,989,179	6,691,339	7,211,299	5,188,333	3,376,963	7,714,840	3,313,022	4,456,862	1,901,632	49,497,430

TABLE 18
Monthly Landings of the Commercial Fishing Boats in the Santa Barbara Region During 1953

TABLE 19
Monthly Landings and Shipments of Commercial Fish Into the Los Angeles Region During 1953

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds	
Fishing boat landings from California waters														
Anchoa.....	36,615	171,931	2,706,078	5,060,401	2,202,445	6,888,978	2,101,310	1,455,860	686,715	505,709	1,730,097	1,693,625	34,326,844	
Barracuda, California.....	4	32	14	21,202	151,256	74,973	2,761	772	5	749	81	251,849	251,849	
Bonito.....						2	13	1,287				1,651	3,253	
Carp.....	1,400	2,013	3,000			1,299	1,299				1,095	42,409	42,409	
Croaker, white (Kingfish).....	104,493	60,197	20,007	130,417	132,107	24,174	24,668	10,079	14,262	14,325	13,857	23,243	825,399	
Frigatefish														
Hallibut, California.....	3,721	7,221		10	22,901	19,463	9,694	18,883	1,655			72,631	72,631	
Lingcod.....	211		3,192	2,652		11,919	11,919	12,971	10,599	6,697	9,694	7,653	115,035	
Mackerel, jack.....	1,650,816	173,179	2,073,328	15,123,492	4,801,540	10,157,818	8,820,696	185,992	842,100	1,717,151	898,237	726	45,910,091	45,910,091
Mackerel, Pacific.....	106,388	63,392	425	14,261	7,653	17,042	126,533	181,079	375,349	2,316,049	3,140,009	8,699	6,192,077	6,192,077
Perch.....	7,153	2,688	11,451	36,176	18,668	4,027	4,096	5,236	9,106	8,434	8,253	5,844	121,130	
Pompano, California.....	50	538	132	275	197	281	553	326	296	1,162	139	139	3,421	3,421
Rock bass.....	46		21	200	20	3,776	7,250	3,268	3,114	139	139	139	15,349	15,349
Rockfish.....	30,730	51,659	58,303	45,751	26,820	19,791	4,826	10,153	31,134	27,849	36,047	36,047	395,592	395,592
Sablefish.....	140	214	457	85	22			397	256	2,188	258	544	4,653	4,653
Salmon														
Seabirds.....	318	727	2,510	2,620	3,091	1,410		622	3,193	3,778	2,329	1,327	21,944	
Sardine.....	792,112	275,353	182,353	16,676	49,631	272,416	316,221	286,071	1,021,156	3,114,156	1,225,156	170,947	7,283,156	7,283,156
Sole.....	1,041	1,650	2,200	6,114	1,101	1,617	18,472	18,472	1,943	1,070	1,150	75,332	75,332	75,332
Sole, black.....	171	91	44	272	70	688	1,013	953	338	99	26	3,763	3,763
Sole, white.....	15,233	6,390	8,283	20,209	47,055	69,634	54,909	48,026	2,956	157	41	292,997	292,997	292,997
Shark.....	6,880	1,932	3,025	7,644	18,170	13,055	5,446	4,764	12,235	1,985	1,269	4,158	75,093	75,093
Sheer-head.....	293	4,058	106	210	166	127	284	224	235	1,322	345	563	7,969	7,969
Skate.....	117	34	27	66	99	284	75	579	682	298	900	900	3,111	3,111
Smelt.....	20,967	44,147	14,967	3,077	2,700	4,300	2,795	3,056	5,020	6,532	7,209	24,600	139,370	139,370
Soles.....	65	8	50	101	145	261	13	115	68			243	1,071	1,071
Tuna, albacore.....							6,106	1,203,468	1,249,814	1,440,132	438,115	43,965	4,474,050	4,474,050
Tuna, bluefin.....								854,583	1,082,208	453,455	498,198	10,559	3,609,390	3,609,390
Tuna, yellowfin.....							102					102	42	42

TABLE 19
Monthly Landings and Shipments of Commercial Fish Into the Los Angeles Region During 1953

TABLE 19—Continued
Monthly Landings and Shipments of Commercial Fish into the Los Angeles Region During 1953

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds	DEPARTMENT OF FISH AND GAME
Turbot.....	4												215	219
Whiting, ocean.....	6	15	85	15	5	82								350
Yellowtail fish.....			1,311	2,623	3,298	945	175	78		46				8,419
Micromelanous fish.....	1,349	2,236	5,992	1,135	649	541	7,546	30	39	1,550	9,646			31,100
Cephalopods:														
Crab, rock.....	1,266	1,472	369	1,821	2,071	3,488	3,211	7,609	4,418	3,582	1,380	191		31,383
Lobster, spiny.....	48,271	53,725	19,643							84,296	62,554	86,301		354,569
Shrimp, ocean.....	85	91	225	16										417
Mollusk:														
Abalone.....	157,056		74	158,000	306,004	292,844	440,380	255,458	226,853	236,390	319,519	185,948	219,248	2,899,470
Octopus.....	88		240	58	58							73		889
Squid.....												171		244
Squid.....	5,600	4,297,065	929,355	70		15,630	17,340	628	47,963	21,555	47,760	61,031		5,361,597
Total pounds.....	2,394,694	3,184,780	6,250,940	20,041,499	14,849,293	20,310,425	13,971,663	5,432,441	5,231,559	9,047,225	7,436,340	2,461,481		113,520,390
Fishing boat landings from waters north of the state boundary:														
Salmon.....								83						83
Total pounds.....								83						83
Fishing boat landings from waters south of the international boundary:														
Baja California.....	33,243	157,833	147,233	117,549	40,510	705	65,372	18,275	58,290	39,098	79	15,700		734,161
Baja California.....	1,673	1,883	644			420	157,903	21,270	68,305	1,713,285	168,651	215,426		2,349,832
Codfish.....	68,300	99,662	53,077	69,175		42,265	29,264			21,207	13,190	8,796		405,945
Cowrie, shortfin.....											180			180
Grouper.....	80,532	88,773	50,530	25,156	69	10,293	5,856	20,997	1,377	6,822	90,810	65,925		476,311
Hake, California.....	1,042	6,457						333						1,815
Lingcod.....												340		10,549
Porkfish.....												530		530
Rock bass.....								276						8,163
Rockfish.....	7,383	23,293	890								673	1,196		33,347

TABLE 19—Cont'd.

Sea lamp, black.....	12,157	29,054	5,171	3,255	17,128	14,245	1,211	7,731	10,579	41,620	84,601	103,793	333,425	
Soleas, white.....	6,449	641	23	480	—	—	25,730	62,662	20,530	31,145	30,349	20,549	20,549	
Shark,.....	1,711	255	69	—	—	—	—	—	—	734	3,533	6,120	269	
Sheep-head.....	50	—	—	—	331	—	—	—	—	—	269	310	331	
Sierra.....	—	—	—	—	—	—	—	—	—	—	—	—	—	
 Swordfish.....	—	—	—	—	—	—	—	—	—	—	—	—	—	
Tuna, albacore.....	—	—	—	—	—	—	—	—	—	—	—	—	—	
Tuna, skipjack.....	—	—	—	—	—	—	—	—	—	—	—	—	—	
Tuna, bluefin.....	—	—	—	—	—	—	—	—	—	—	—	—	—	
Tuna, skipjack.....	6,888,887	3,862,033	15,800	3,645,321	4,051,964	13,697,067	705,405	21,413,603	1,205,424	331,090	1,000	77,571	6,756,251	6,535,588
Tuna, yellowfin.....	3,767,073	2,803,682	5,687,757	14,993,338	13,697,067	11,204,010	15,091,637	8,605,487	4,242,626	2,213,681	2,518,833	3,879,749	30,202,980	30,202,980
Wallop,.....	—	—	—	—	—	—	1,600	3,660	—	—	—	—	—	—
Whalefish, ocean.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Yellowtail.....	8,127	19,385	3,211	24,572	36,293	81,785	117,833	235,711	187,991	1,178,113	316,655	311,394	2,864,907	89
Miscellaneous fish.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—
 Crayfishes.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lobster, spiny.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—
 Total pounds.....	10,876,840	6,650,391	3,919,879	18,504,932	17,845,097	15,862,164	32,049,078	23,790,931	19,430,722	19,004,098	8,047,476	11,332,144	175,150,000	—
 Shipments: ³	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Carp.....	10,960	—	11,700	—	2,000	—	—	—	—	—	—	—	—	—
Ed.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Herring, Pacific.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sablefish.....	7,479	35,219	14,597	36,159	5,625	57,270	264	—	—	26,355	11,620	50,117	244,035	149,773
Salmon.....	30,902	136,434	32,000	125,135	1,028	32,780	55,770	37,757	45,298	1,431	39,000	60,108	62,634	—
Tuna, albacore.....	918,962	1,222,081	3,075,583	4,486,915	2,861,133	4,371,484	8,335,586	7,644,700	202,781	106,161	133,320	213,480	31,875,153	—
Tuna, bluefin.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tuna, yellowfin.....	21,636	—	156,451	135,311	456,646	1,081,078	865,115	865,815	205,820	1,273,248	675,250	500,251	1,260,753	1,260,753
Miscellaneous fish.....	—	—	112,792	2,733	5	—	1,821	31,880	31,480	—	—	—	—	—
 Mollusk:	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Clem ⁴	1,000	—	—	—	—	—	—	—	—	—	—	—	—	2,624
Clem, Pismo.....	71,624	98,000	45,448	122,704	244,356	271,720	3,298,932	1,293,464	115,312	76,696	107,532	140,360	6,131,152	—
 Total pounds.....	1,275,538	1,602,774	3,699,074	5,064,308	3,740,301	7,105,060	15,906,600	10,175,333	1,131,399	2,510,333	2,649,494	1,150,897	5,145,044	—
 Grand total, Los Angeles region.....	14,545,072	13,307,354	19,853,946	44,916,929	36,431,603	43,277,741	58,831,049	36,399,305	16,703,673	21,361,513	16,187,070	14,494,822	340,130,517	—

¹ See Table 11 for origin of shipments.

^a Cleaned weight, no conversion factor available.

TABLE 19—*Cont'd.*

TABLE 20
Monthly Landings and Shipments of Commercial Fish Into the San Diego Region During 1953

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds	DEPARTMENT OF FISHERIES AND GAME
Fishing boat landings from California waters:														
Anchovy.....		68	7,295	66,884	88,923	1,779	271	281	281	281	51	2,907	2,907	
Banana, California.....												81	10,839	
Bass.....												5,469	10,285	15,816
Carp.....		28,033	65	139	93	1,177	662	6,212	11,430	8,781	3,911	1,901	28,033	
Croaker, white (Kingfish).....	271												31,812	
Haddock, California.....	842	4,634	9,294	4,603	3,298	2,150	190	191	190	22,393	17,485	12,492	78,012	
Herring, Pacific.....	237												237	
Lionfish.....	612	414	20		13								50	1,059
Rockfish.....					2,052	1,102	2,696						10,383	
Mackerel, Pacific.....							2,755	4,414	1,588	478	247,924	669,003	282,414	1,211,576
Porichy.....	13					2	24	459	194				657	
Rock bass.....	75	922	2,564	122	67	137	467	158	197				4,711	
Rockfish.....	1,880	3,258	7,459	4,244	2,245	2,231	260	582	1,316	1,763	2,185	2,979	32,422	
Salmon.....							1,389						1,386	
Sardine.....									15	357	632		39	1,274
Sardine.....	546	2,225	9,706	6,558	2,033	4,113	8,602	12,121	2,291	551,851	26,907	26,227	604,085	
Sculpin.....							70	240	1,993	205		87	1,056	44,186
Sea lion, black.....														2,785
Seaham, white.....	210	2,020	2,303	14,417	8,782	21,962	18,020	18,995	85	655	1,887	15,361	19,467	
Shark.....	12,263	6,396	2,988	7,184	17,606	18,899	11,886	3,081	7,012	13,981	10,578	15,903	134,767	
Sheep-head.....	1,153	1,151	3,975	12						150	59	1,437	6,100	14,772
Skate.....			50	77									127	
Smelt.....	1,294	1,039	1,194	227	78	13	29						1,641	3,550
Stellifer.....														21,061
Tuna, albacore.....							9,757	389,879	299,908	81,953	65,830	220		838,537
Tuna, bluefin.....							57	153,166	138,116					281,639
Whitefish, ocean.....														657
Yellowtail.....							1,448	2,568	1,106	255	583			3,960
Miscellaneous fish.....	36			4	43	90	107			6				286

TABLE 20
Monthly Landings and Shipments of Commercial Fish Into the San Diego Region During 1953

Crustacean:												
Crab, rock.....	2,566	1,668	16							1,752	2,212	2,198
Lobster, spiny.....	5,954	4,959	5,461							66,174	31,342	24,896
Mollusk:												
Abalone.....	245		3,283	7,495	9,436	3,745	6,193	9,970	35,980	20,599	18,619	20,884
Clam, jackknife.....	2,063	2,242	3,695	5,602	5,624	7,278	6,908	4,140	2,718	1,955	1,345	136,449
Mussel.....	24	70	55	71	11	11	10	10	10	762	762	47,777
Squid.....			10,943				150	50	50		1,591	2,471
Total pounds.....	30,111	30,947	90,723	39,494	121,246	189,951	603,890	478,127	157,781	1,011,809	805,391	633,000
Fishing boat landings from waters south of the international boundary:												
Point Loma, California.....	9,037	73,146	30,013	8,200			482	179		561	14,235	2,759
Rosario.....		1,125	237				2,097		15,700	162,687	299,124	259,186
Cabrillo.....	1,716											731,746
Gaviota.....	3,281											1,716
Halibut, California.....	1,748	85	3,489	80		57	11,265	50,149	30,334	13,716	20,846	255
Limpet.....											498	488
Mackerel, jack.....				512								312
Perch.....												145
Rock bass.....	162	157				100	834	532			398	2,533
Roefish.....	270	85				465				490	477	1,787
Sardine.....											39,056	39,656
Seafish.....		59										130
Sea bass, black.....	1,661	4,773	180	3,015	159	21,627	6,837	1,931	733	14,372	8,709	4,695
Seahorse, white.....	83		16,539	345	8,628		21,219	28,549	56,610	63,224	9,159	8,627
Shark.....	98		189			1,633	1,310	1,550	259	4,204	1,066	310
Sheep-head.....		45		113			843		553		785	696
Serra.....		140									638	575
Seviche.....											29,535	29,535
Tuna, albacore.....							75,546	8,785,554	7,238,942	2,034,515	481,919	2,244
Tuna, bluefin.....							461,929	542,555	94,824	83,653		9,348
Tuna, skipjack.....	2,256,468	1,908,057	1,542,040	642,404	1,540,471	3,393,470	5,872,729	7,756,961	6,690,694	5,449,581	6,782,397	8,855,401
Tuna, yellowfin.....	2,292,424	897,836	3,261,314	5,089,714	5,857,661	5,922,019	3,855,422	4,309,618	2,465,733	2,474,795	3,382,387	3,065,141
Wahoo.....												42,883,264
Whiting, ocean.....												1,314
Yellowtail, ocean.....	105,577	56,086	11,230	87,746	337,900	174,381	130,811	22,983	333,947	834,146	383,407	383,744
Miscellaneous fish.....	143	74							410			629
Total pounds.....	4,641,516	3,002,864	4,867,095	5,632,213	7,684,790	9,889,451	16,102,591	19,961,712	12,061,238	9,295,669	11,099,092	12,603,670

VIRGINIA KEY HARBOR CATCHES

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TABLE 20—Cont'd.

TABLE 20—Continued
Monthly Landings and Shipments of Commercial Fish Into the San Diego Region During 1953

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Shipments: ¹													
Bonito, California				5,641									4,832
Cabrilla	310			2,700									5,644
Cownose, shortfin						133							3,010
Croaker, white (Kingfish)				189									133
Grouper													180
Hallibut, California						145							145
Haddock							2,296						4,136
Sole, white	4,103			8,711		1,031	2,296						38,781
Tuna, albacore		148,916	1,292,352	2,155,373	699,992	327,768	2,066,289	1,718,560					8,504,239
Tuna, skipjack		1,144,297		215,357			677,854	37,768					2,781,359
Tuna, yellowfin			272,142		3,581		254,869						677,736
Crustacean:													
Prawn										2,900			2,600
Total pounds	1,720	1,565,349	1,299,352	2,391,236	699,047	323,608	3,005,406	1,779,592		813,278	48,401		12,019,919
Grand total, San Diego region	4,973,374	8,625,860	6,630,141	8,282,965	8,306,023	10,933,749	19,712,193	22,215,454	12,119,619	11,120,747	11,851,884	13,004,720	132,793,588

¹ See Table 11 for origin of shipments.

TABLE 21
The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1953

Species	Eureka region		Sacramento region		San Francisco region		Monterey region	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Fishing boat landings:								
Anchovy.....					3,072,524	\$65,137	13,694,993	\$293,072
Barracuda, California.....								
Bonito.....					2,901	67	7,597	213
Cabezon.....								
Cabrilla.....								
Carp.....	13,010	\$739	287,055	\$16,333			21,087	546
Catfish.....			29,754	6,244				
Corvina, shortfin.....								
Croaker, white (King-fish).....					3,179	275	305,845	23,153
Flounder.....	217,314	8,736			239,437	9,625	40,200	2,673
Flyingfish.....								
Grouper.....								
Hake.....	75,131	1,562			10,370	311	18,425	383
Halibut, California.....					5,838	1,180	29,079	6,854
Halibut, Pacific.....	45,669	8,709			52,550	11,671		
Hardhead.....			45,358	15,866				
Herring, Pacific.....					4,791,961	77,150	2,667,105	83,214
Lingcod.....	620,479	40,330			207,992	14,122	92,379	8,341
Mackerel, jack.....	887	35			3,702	95	1,199,932	52,077
Mackerel, Pacific.....							750	75
Perch.....	64,997	9,678			65,443	11,537	31,744	2,956
Pompano, California.....							7,489	4,476
Rock bass.....								
Rockfish.....	3,080,894	98,896			4,170,739	154,317	4,307,651	217,106
Sablefish.....	838,809	76,332			222,109	5,109	588,182	28,233
Salmon.....	2,949,816	718,575	869,696	177,938	3,314,547	800,130	790,970	208,262
Sanddab.....	106,426	5,119			263,908	13,749	283,671	21,332
Sardine.....							1,423	152
Sculpin.....								
Sculpin, staghorn.....					3,120	146		
Sea bass, black.....								
Seabass, white.....					219	52	14,833	3,307
Seatrat, greenling.....							139	4
Shad.....			608,223	42,758				
Shark.....	16,393	579			77,802	12,099	25,679	1,907
Sheep-head.....								
Sierra.....								
Skate.....	316,394	7,909			74,090	860	14,178	386
Smelt.....	84,642	5,052			248,833	19,135	178,632	11,737
Sole.....	12,660,842	709,512			3,167,918	191,026	1,199,634	92,612
Splittail.....			921	276				
Swordfish.....					409	225	476	256
Tomcod.....					517	21		
Tuna, albacore.....	264,531	52,827			4,278,698	845,898	2,408,848	461,294
Tuna, black skipjack.....								
Tuna, bluefin.....							1,284	180
Tuna, skipjack.....								
Tuna, yellowfin.....								
Turbot.....	19,269	503			35,058	1,435	557	39
Wahoo.....								
Whitebait.....	96,899	10,630			65,420	8,367	16,545	2,032
Whitefish, ocean.....								
Yellowtail.....			139	13	48,757	2,163	5,487	178
Miscellaneous fish.....	189,165	4,540						

TABLE 21
The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1953

TABLE 21—Continued
The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1953

Species	Eureka region		Sacramento region		San Francisco region		Monterey region	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Crustacean:								
Crab.....	4,106,156	\$752,248	4,125,890	\$664,681	13,597	\$2,787
Crab, rock.....
Lobster, spiny.....
Prawn.....	2,050	820
Shrimp, bay.....	732,308	51,774
Shrimp, ocean.....	43,145	5,449	45,343	3,437
Mollusk:								
Abalone.....	27,325	3,407	26,225	4,172
Clam, gaper.....	2,124	154
Clam, jackknife.....
Clam, Washington.....	9,968	1,151	248	79
Mussel.....
Octopus.....	973	29	4,205	194	9,479	979
Oyster, eastern.....	129,733	28,360
Oyster, Pacific.....	134,449	15,408
Snail, sea.....
Squid.....	3,526,829	92,402
Total pounds and value.....	25,830,809	\$2,519,140	1,841,146	\$259,428	29,627,542	\$3,013,242	31,535,118	\$1,628,364
Shipments: ¹								
Baracuda, California.....
Cabrilla.....
Carp.....
Catfish.....	155	\$50
Corvina, shortfin.....
Croaker, white (King-fish).....
Eel.....
Grouper.....
Halibut, California.....	4,292	\$258
Halibut, Pacific.....
Herring, Pacific.....	15,494	775
Rockfish.....
Sablefish.....	214,174	27,885
Salmon.....	166,420	50,276
Seabass, white.....
Shad.....	5,126	7,689
Tuna, albacore.....	3,616,813	725,894	190,578	38,268
Tuna, bigeye.....	20,000	3,200
Tuna, bluefin.....
Tuna, skipjack.....	1,142,916	157,037	1,228,136	169,114
Tuna, yellowfin.....	373,887	59,523	646,150	103,255
Miscellaneous fish.....	18,355	1,408
Crustacean:								
Prawn.....
Mollusk:								
Clam ²
Clam, Pismo.....
Total pounds and value.....	155	\$50	5,577,477	\$1,033,945	2,064,864	\$310,637
Grand totals..	25,830,809	\$2,519,140	1,841,301	\$259,478	35,205,019	\$4,047,187	33,599,982	\$1,939,001

TABLE 21
The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1953

TABLE 21—Continued
The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1953

Species	Santa Barbara region		Los Angeles region		San Diego region		Total	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Fishing boat landings:								
Anchovy.....	34,735,210	\$590,499	34,329,844	\$758,690	2,907	\$116	85,835,478	\$1,707,514
Barracuda, California.....	150,457	10,547	986,010	184,581	302,379	44,781	1,435,846	239,909
Bonito.....			2,353,085	229,061	749,562	73,157	3,102,647	302,818
Cabezon.....	2,808	158					13,306	438
Cabrilla.....			405,945	66,210	1,716	275	407,661	66,485
Carp.....			42,500	1,101	28,035	726	391,687	19,445
Catfish.....			180	45			29,754	6,244
Corvina, shortfin.....			180	45			180	45
Croaker, white (King-fish).....	32,025	1,835	828,399	33,302	31,612	3,060	1,201,060	61,625
Flounder.....	5,486	301					502,437	21,335
Flyingfish.....			72,831	5,324			72,831	5,324
Grouper.....			476,211	105,386	3,267	719	479,478	106,105
Hake.....							103,926	2,256
Halibut, California.....	156,775	37,078	128,584	34,706	210,039	44,465	530,315	124,283
Halibut, Pacific.....							98,219	20,380
Hardhead.....							45,358	15,866
Herring, Pacific.....	342,625	6,064			237	12	7,801,928	166,140
Lingcod.....	20,169	1,867	7,350	567	1,607	165	949,976	65,392
Mackerel, jack.....	8,619,355	297,363	45,910,081	1,643,581	16,898	709	55,750,855	1,993,865
Mackerel, Pacific.....	94,778	4,322	6,192,077	279,263	1,214,576	45,425	7,502,181	329,085
Perch.....	11,944	1,956	121,660	21,743	802	102	296,590	47,972
Pompano, California.....	111	67	3,791	1,101			11,391	5,644
Rock bass.....	3,368	348	23,503	4,414	7,244	1,162	34,115	5,924
Rockfish.....	195,453	15,906	428,939	50,100	34,309	4,532	12,217,885	540,557
Sablefish.....	1,670	88	4,653	477			1,655,423	110,239
Salmon.....	76,895	21,477	2,801	976	1,386	491	8,006,111	1,927,849
Sanddab.....	13,260	864	21,944	3,970	1,234	191	690,443	45,225
Sardine.....	972,348	54,257	7,849,060	446,611	646,041	26,681	9,468,872	527,701
Sculpin, staghorn.....			75,232	18,290	44,306	8,769	119,538	27,059
Sea bass, black.....	1,275	155	337,192	55,771	73,512	11,960	411,979	67,886
Seabass, white.....	58,550	15,627	502,343	151,959	297,348	74,099	873,293	245,044
Seatrout, greenling.....							139	4
Shad.....							608,223	42,758
Shark.....	100,333	12,140	84,213	12,153	145,337	17,252	449,757	56,130
Sheep-head.....	9,378	723	8,270	641	17,778	1,730	35,426	3,094
Sierra.....			331	40	575	98	906	138
Skate.....	7,769	683	3,111	255	127	13	415,669	10,106
Smelt.....	13,089	596	139,370	8,182	5,550	557	670,116	45,259
Sole.....	488,261	42,380	1,071	136			17,526,726	1,035,666
Splittail.....							921	276
Swordfish.....	7,166	3,373	91,134	43,890	43,646	20,021	142,831	67,765
Tomcod.....							517	21
Tuna, albacore.....	1,080,441	203,663	9,377,048	1,883,850	16,426,339	3,293,481	33,835,905	6,741,013
Tuna, black skipjack.....			4,215	590			4,215	590
Tuna, bluefin.....	112,643	18,225	8,185,653	1,303,156	1,474,319	228,962	9,772,615	1,550,343
Tuna, skipjack.....			69,192,610	9,493,226	53,112,266	7,356,049	122,306,160	16,849,455
Tuna, yellowfin.....			89,203,082	14,272,493	42,883,264	6,839,880	132,086,346	21,112,373
Turbot.....	14,055	772	219	23			69,158	2,772
Wahoo.....			24,874	3,674	1,314	460	25,188	4,134
Whitebait.....	428	51					179,292	21,080
Whitefish, ocean.....			985	69	4,854	414	5,839	483
Yellowtail.....			2,572,426	241,293	2,639,957	248,684	5,212,383	489,977
Miscellaneous fish.....	3,286	58	31,159	1,066	915	135	278,908	8,153

TABLE 21
The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1953

TABLE 21—Continued

The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1953

Species	Santa Barbara region		Los Angeles region		San Diego region		Total	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Crustacean:								
Crab.....	32,614	\$6,761					8,278,257	\$1,426,477
Crab, rock.....	8,105	209	31,383	\$3,816	9,812	\$367	49,300	4,392
Lobster, spiny.....	256,259	101,068	355,387	182,103	138,406	69,645	750,052	352,816
Prawn.....	673	390					2,723	1,210
Shrimp, bay.....							732,308	51,774
Shrimp, ocean.....	198,505	19,811	417	113			287,410	28,810
Mollusk:								
Abalone.....	1,630,881	186,082	2,899,470	231,969	136,449	13,277	4,720,350	438,907
Clam, gaper.....							2,124	154
Clam, jackknife.....					47,777	17,988	47,777	17,988
Clam, Washington.....							10,216	1,230
Mussel.....					782	64	782	64
Octopus.....	1,878	128	589	101			17,124	1,431
Oyster, eastern.....							129,733	28,360
Oyster, Pacific.....	27,071	541					161,520	15,949
Snail, sea.....			244	12			244	12
Squid.....	10,033	200	5,364,997	112,129	15,255	801	8,917,114	205,532
Total pounds and value.....	49,497,430	\$1,658,638	288,676,473	\$31,892,809	120,773,639	\$18,451,475	547,782,157	\$59,423,096
Shipments:¹								
Baracuda, California.....					4,852	\$769	4,852	\$769
Cabrilla.....					5,644	993	5,644	993
Carp.....			31,710	\$948			31,710	948
Catfish.....							155	50
Corvina, shortfin.....					3,010	583	3,010	583
Croaker, white (King-fish).....					135	11	135	11
Eel.....			1,544	540			1,544	540
Grouper.....					180	45	180	45
Halibut, California.....					145	23	145	23
Halibut, Pacific.....							4,292	258
Herring, Pacific.....			160,773	5,627			176,267	6,402
Rockfish.....					4,188	321	4,188	321
Sablefish.....			244,935	44,505			459,109	72,390
Salmon.....			620,634	218,339			787,054	268,615
Seabass, white.....					35,781	6,523	35,781	6,523
Shad.....							5,126	7,689
Tuna, albacore.....			33,875,186	6,585,336	8,504,239	1,762,929	46,186,816	9,112,427
Tuna, bigeye.....							20,000	3,200
Tuna, bluefin.....			62,447	10,042			62,447	10,042
Tuna, skipjack.....			3,195,325	442,552	2,781,359	381,324	8,347,736	1,150,027
Tuna, yellowfin.....			6,760,783	1,041,161	677,786	108,242	8,458,606	1,312,181
Miscellaneous fish.....			180,731	42,626			199,086	44,034
Crustacean:								
Prawn.....					2,600	1,245	2,600	1,245
Mollusk:								
Clam ²			2,824	339			2,824	339
Clam, Pismo.....			6,317,152	105,496			6,317,152	105,496
Total pounds and value.....			51,454,044	\$8,497,511	12,019,919	\$2,263,008	71,116,459	\$12,105,151
Grand totals.....	49,497,430	\$1,658,638	340,130,517	\$40,390,320	132,793,558	\$20,714,483	618,898,616	\$71,528,247

¹ See Table 11 for origin of shipments.² Cleaned weight, no conversion factor available.

TABLE 21

The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1953

TABLE 22
Landings of the Commercial Fishing Boats in the Eureka Region During 1953, Shown by Port of Landing With the Corresponding Values

		Value	Pounds
Eureka region totals.....		\$2,519,140	25,830,809
Eureka.....	Sole.....	401,920	7,177,134
	Crab.....	242,724	1,324,912
	Salmon.....	167,851	689,042
	Sablefish.....	39,367	432,602
	Rockfish.....	35,947	1,119,829
	Albacore.....	22,123	110,781
	Lingcod.....	13,900	213,852
	Pacific halibut.....	8,639	45,302
	All other.....	19,893	322,640
	Totals.....	\$952,364	11,436,094
Fort Bragg.....	Salmon.....	\$392,357	1,610,661
	Sole.....	81,620	1,457,497
	Crab.....	72,703	396,851
	Rockfish.....	29,115	907,019
	Sablefish.....	25,946	285,120
	Albacore.....	22,065	110,489
	Lingcod.....	6,245	96,075
	All other.....	5,709	77,440
	Totals.....	\$635,760	4,941,152
Crescent City.....	Crab.....	\$288,624	1,575,456
	Salmon.....	92,793	386,922
	Sole.....	68,873	1,229,879
	Lingcod.....	10,783	165,898
	Rockfish.....	10,774	335,640
	Ocean shrimp.....	5,191	41,100
	All other.....	7,180	121,731
	Totals.....	\$484,218	3,850,626
Fields Landing.....	Sole.....	\$157,099	2,805,332
	Crab.....	59,872	326,816
	Salmon.....	43,489	178,527
	Rockfish.....	23,059	718,363
	Sablefish.....	9,496	104,349
	Lingcod.....	9,306	143,172
	Albacore.....	8,639	43,261
	Skate.....	7,257	290,299
	All other.....	14,680	379,199
	Totals.....	\$332,897	4,989,318
Trinidad.....	Crab.....	\$88,024	480,480
	Salmon.....	6,375	26,172
	All other.....	121	1,354
	Totals.....	\$94,520	508,006
Point Arena.....	Salmon.....	\$13,282	54,525
	All other.....	109	1,338
	Totals.....	\$13,391	55,863
All other ports.....	All other.....	\$5,990	49,750
	Totals.....	\$5,990	49,750

TABLE 22
Landings of the Commercial Fishing Boats in the Eureka Region During 1953, Shown by Port of Landing With the Corresponding Values

TABLE 23

Landings of the Commercial Fishing Boats and Shipments Into the Sacramento Region During 1953, Shown by Port of Landing With the Corresponding Values

		Value	Pounds
Sacramento region totals.....		\$259,478	1,841,301
Pittsburg.....	Salmon.....	\$161,479	495,995
	Shad.....	37,268	530,132
	Catfish.....	2,151	10,252
	All other.....	591	10,409
	Totals.....	\$141,489	1,046,788
Martinez.....	Salmon.....	\$43,837	214,259
	Shad.....	3,562	50,667
	Carp.....	10	170
	Totals.....	\$47,409	265,096
Sacramento.....	Hardhead.....	\$15,866	45,358
	Salmon.....	14,182	69,315
	All other.....	3,022	37,819
	Totals.....	\$33,070	152,492
Benicia.....	Salmon.....	\$17,551	85,780
	All other.....	1,401	19,933
	Totals.....	\$18,952	105,713
Turlock.....	Carp.....	\$8,882	156,094
	Totals.....	\$8,882	156,094
Antioch.....	Carp.....	\$4,943	86,875
	Catfish.....	43	206
	Totals.....	\$4,986	87,081
All other ports.....	Catfish.....	\$3,366	16,038
	All other.....	1,324	11,999
	Totals.....	\$4,690	28,037

TABLE 23

Landings of the Commercial Fishing Boats and Shipments Into the Sacramento Region During 1953, Shown by Port of Landing With the Corresponding Values

TABLE 24

*Landings of the Commercial Fishing Boats and Shipments Into the San Francisco Region During 1953,
Shown by Port of Landing With the Corresponding Values*

		Value	Pounds
San Francisco region totals.....		\$4,047,187	35,205,019
San Francisco.....	Albacore.....	\$1,378,144	6,916,006
	Crab.....	432,360	2,683,802
	Skipjack.....	157,037	1,142,916
	Salmon.....	156,297	624,011
	Sole.....	139,292	2,309,974
	Rockfish.....	95,782	2,588,615
	Anchovy.....	64,933	3,062,882
	Yellowfin.....	59,523	373,887
	Pacific herring.....	39,864	2,443,399
	Bay shrimp.....	38,305	541,797
	Sablefish.....	31,768	383,007
	Sanddab.....	11,983	230,001
	Shark.....	11,041	71,035
	Pacific halibut.....	10,885	52,140
	Smelt.....	10,557	137,281
	All other.....	43,629	538,125
	Totals.....	\$2,681,400	24,098,848
Point Reyes (Drakes Bay).....	Salmon.....	\$377,969	1,565,738
	Crab.....	77,204	479,231
	Sole.....	17,392	288,431
	Rockfish.....	17,069	461,322
	All other.....	12,554	195,966
	Totals.....	\$302,188	2,990,688
Bodega Bay.....	Salmon.....	\$268,081	1,110,528
	Crab.....	104,279	647,291
	Rockfish.....	41,456	1,120,563
	Sole.....	34,230	567,662
	Albacore.....	9,277	46,933
	Smelt.....	7,454	96,934
	All other.....	15,489	230,971
	Totals.....	\$480,266	3,820,872
Sausalito.....	Albacore.....	\$182,673	923,093
	Crab.....	9,435	58,565
	All other.....	3,746	15,550
	Totals.....	\$195,854	998,108
Tomales Bay (Marshall).....	Pacific herring.....	\$38,025	2,361,803
	Eastern oyster.....	28,360	129,733
	Pacific oyster.....	11,442	99,844
	All other.....	5,432	36,340
	Totals.....	\$82,259	2,627,720
Princeton.....	Salmon.....	\$38,856	142,565
	Crab.....	17,083	109,762
	All other.....	5,469	49,206
	Totals.....	\$62,008	301,533
Oakland.....	Crab.....	\$17,051	105,844
	All other.....	3,720	41,443
	Totals.....	\$20,771	147,287

TABLE 24

*Landings of the Commercial Fishing Boats and Shipments Into the San Francisco Region During 1953, Shown by
Port of Landing With the Corresponding Values*

TABLE 24—Continued

*Landings of the Commercial Fishing Boats and Shipments Into the San Francisco Region During 1953,
Shown by Port of Landing With the Corresponding Values*

		Value	Pounds
Berkeley.....	Crab.....	\$4,971	30,856
	Salmon.....	4,494	18,618
	All other.....	129	5,016
	Totals.....	\$9,594	54,490
Richmond.....	Bay shrimp.....	\$9,354	132,311
	All other.....	167	3,205
	Totals.....	\$9,521	135,516
All other ports.....	All other.....	\$2,326	29,957
	Totals.....	\$2,326	29,957

TABLE 24

*Landings of the Commercial Fishing Boats and Shipments Into the San Francisco Region During 1953, Shown by
Port of Landing With the Corresponding Values*

TABLE 25

Landings of the Commercial Fishing Boats and Shipments Into the Monterey Region During 1953, Shown by Port of Landing With the Corresponding Values

		Value	Pounds
Monterey region totals.....		\$1,939,001	33,599,982
Monterey.....	Anchovy.....	\$273,501	12,780,443
	Albacore.....	191,732	991,957
	Rockfish.....	175,242	3,477,020
	Skipjack.....	169,294	1,229,420
	Yellowfin.....	103,255	646,150
	Salmon.....	90,318	343,024
	Squid.....	84,340	3,219,101
	Jack mackerel.....	36,314	836,718
	Sole.....	31,480	407,770
	Sablefish.....	13,909	289,766
	White croaker (Kingfish).....	10,826	143,011
	Pacific herring.....	9,797	314,015
	Sanddab.....	7,919	105,308
	Lingcod.....	6,117	67,742
	All other.....	20,458	181,488
	Totals.....	\$1,224,502	25,032,933
Moss Landing.....	Albacore.....	\$279,259	1,458,274
	Pacific herring.....	69,818	2,237,750
	Salmon.....	51,124	194,167
	Anchovy.....	19,399	906,500
	Jack mackerel.....	12,943	298,230
	Squid.....	7,561	288,603
	White croaker (Kingfish).....	5,163	68,201
	All other.....	6,522	82,908
	Totals.....	\$451,789	5,534,633
Santa Cruz.....	Salmon.....	\$66,820	253,779
	Sole.....	58,670	759,974
	Rockfish.....	40,723	808,002
	Albacore.....	28,571	149,195
	Sablefish.....	13,992	291,495
	Sanddab.....	12,860	171,012
	Smelt.....	7,723	117,546
	White croaker (Kingfish).....	7,164	94,633
	All other.....	25,641	365,693
	Totals.....	\$262,164	3,011,329
All other ports.....	All other.....	\$546	21,087
	Totals.....	\$546	21,087

TABLE 25

Landings of the Commercial Fishing Boats and Shipments Into the Monterey Region During 1953, Shown by Port of Landing With the Corresponding Values

TABLE 26

Landings of the Commercial Fishing Boats in the Santa Barbara Region During 1953, Shown by Port of Landing With the Corresponding Values

		Value	Pounds
Santa Barbara region totals.....		\$1,658,638	49,497,430
Port Hueneme.....	Anchovy.....	\$480,279	28,251,701
	Jack mackerel.....	253,182	7,338,595
	Sardine.....	32,195	576,970
	Bluefin.....	8,402	51,931
	All other.....	17,077	197,479
	Totals.....	\$791,135	36,416,676
Santa Barbara.....	Abalone.....	\$129,840	1,137,956
	Anchovy.....	109,274	6,427,875
	Spiny lobster.....	99,290	251,750
	Jack mackerel.....	44,186	1,280,760
	California halibut.....	28,171	119,115
	Sardine.....	15,585	279,309
	White seabass.....	14,884	55,767
	Sole.....	12,597	145,129
	Shark.....	10,219	84,456
	Bluefin.....	9,823	60,712
	California barracuda.....	6,031	86,032
	All other.....	9,103	93,512
	Totals.....	\$489,003	10,022,373
Morro Bay.....	Albacore.....	\$171,076	907,566
	Sole.....	20,626	237,627
	Ocean shrimp.....	19,811	198,565
	Abalone.....	16,017	140,371
	Rockfish.....	10,116	124,324
	All other.....	6,633	77,678
	Totals.....	\$244,279	1,686,071
Avila.....	Albacore.....	\$30,606	162,367
	Salmon.....	21,384	76,563
	Abalone.....	16,930	148,382
	Sole.....	9,153	105,454
	Sardine.....	6,477	116,069
	Pacific herring.....	6,064	342,625
	California halibut.....	5,441	23,005
	Crab.....	5,034	24,282
	All other.....	10,512	175,060
	Totals.....	\$111,601	1,173,807
San Simeon.....	Abalone.....	\$14,419	126,375
	Totals.....	\$14,419	126,375
Cayucos.....	Abalone.....	\$5,910	51,800
	Totals.....	\$5,910	51,800
All other ports.....	All other.....	\$2,291	20,328
	Totals.....	\$2,291	20,328

TABLE 26

Landings of the Commercial Fishing Boats in the Santa Barbara Region During 1953, Shown by Port of Landing With the Corresponding Values

TABLE 27

*Landings of the Commercial Fishing Boats and Shipments Into the Los Angeles Region During 1953,
Shown by Port of Landing With the Corresponding Values*

		Value	Pounds
Los Angeles region totals.....		\$40,390,320	340,130,517
Terminal Island.....			
Yellowfin.....	\$14,501,314	90,861,864	
Skipjack.....	9,395,135	68,460,581	
Albacore.....	7,956,254	40,656,544	
Jack mackerel.....	1,225,486	34,231,442	
Bluefin.....	1,014,654	6,372,847	
Yellowtail.....	215,263	2,294,918	
Bonito.....	210,864	2,160,487	
Anchovy.....	179,876	8,139,168	
Sardine.....	136,592	2,453,290	
Pacific mackerel.....	128,804	2,855,967	
Squid.....	73,442	3,513,850	
All other.....	1,379	16,225	
Totals.....	\$35,042,063	262,017,283	
Long Beach.....			
Yellowfin.....	\$508,898	3,205,484	
Skipjack.....	397,264	2,882,319	
Albacore.....	304,976	1,560,573	
Anchovy.....	289,521	13,100,482	
Jack mackerel.....	99,121	2,768,744	
Pismo clam.....	80,273	4,806,768	
Bluefin.....	79,288	498,017	
Spiny lobster.....	44,847	87,523	
Sardine.....	37,965	667,221	
Squid.....	32,866	1,572,533	
Pacific mackerel.....	20,849	462,277	
Bonito.....	17,178	176,000	
Yellowtail.....	10,642	113,452	
Rockfish.....	8,101	69,360	
All others.....	14,864	105,564	
Totals.....	\$1,946,653	32,076,317	
San Pedro.....			
California barracuda.....	\$181,127	967,557	
Sardine.....	171,838	3,020,008	
White seabass.....	135,152	446,785	
Grouper.....	104,873	473,893	
Abalone.....	94,120	1,176,500	
Bluefin.....	85,608	537,739	
Cabrilla.....	65,408	401,030	
Black sea bass.....	55,406	334,982	
Spiny lobster.....	54,402	106,170	
Yellowfin.....	51,781	323,631	
Anchovy.....	42,308	1,914,392	
Jack mackerel.....	32,639	911,717	
Rockfish.....	32,102	274,849	
California halibut.....	30,328	112,368	
Perch.....	18,223	101,973	
Pacific mackerel.....	16,851	373,638	
Sculpin.....	16,781	68,945	
Yellowtail.....	15,010	160,017	
Albacore.....	10,995	54,727	
Swordfish.....	9,001	18,689	
White croaker (Kingfish).....	8,668	215,611	
Shark.....	7,488	51,889	
Smelt.....	5,186	88,343	
Squid.....	4,925	235,628	
All other.....	17,656	144,615	
Totals.....	\$1,267,856	12,515,696	

TABLE 27

*Landings of the Commercial Fishing Boats and Shipments Into the Los Angeles Region During 1953, Shown by Port
of Landing With the Corresponding Values*

TABLE 27—Continued

*Landings of the Commercial Fishing Boats and Shipments Into the Los Angeles Region During 1953,
Shown by Port of Landing With the Corresponding Values*

		Value	Pounds
Wilmington.....	Jack mackerel.....	\$281,291	7,357,298
	Yellowfin.....	251,619	1,572,621
	Anchovy.....	161,092	7,289,225
	Skipjack.....	143,362	1,044,915
	Bluefin.....	114,245	717,619
	Sardine.....	54,219	952,883
	Pacific mackerel.....	35,018	776,452
	Albacore.....	31,013	154,370
	White croaker (Kingfish).....	15,777	392,452
	Pacific herring.....	5,627	160,773
	All other.....	5,154	55,439
	Totals.....	\$1,098,417	20,974,047
Newport Beach.....	Albacore.....	\$162,936	811,030
	Abalone.....	132,013	1,650,022
	Pacific mackerel.....	75,387	1,671,559
	Anchovy.....	46,922	2,123,190
	Swordfish.....	30,433	63,191
	Spiny lobster.....	17,873	34,881
	White seabass.....	7,908	26,143
	Sardine.....	7,898	138,800
	All other.....	13,513	152,092
	Totals.....	\$494,883	6,670,908
Los Angeles.....	Salmon.....	\$218,339	620,634
	Sablefish.....	44,505	244,935
	Pismo clam.....	25,223	1,510,384
	All other.....	46,210	285,986
	Totals.....	\$334,277	2,661,939
Santa Monica.....	Anchovy.....	\$38,865	1,758,584
	Sardine.....	35,092	616,729
	Spiny lobster.....	33,336	65,058
	Bluefin.....	19,399	121,852
	Rockfish.....	6,632	56,785
	White croaker (Kingfish).....	5,901	146,802
	White seabass.....	3,952	13,063
	Jack mackerel.....	3,630	101,399
	Albacore.....	2,692	13,398
	All other.....	8,215	96,621
	Totals.....	\$157,714	2,990,291
Redondo Beach.....	Spiny lobster.....	\$8,541	16,668
	Rock crab.....	2,250	18,504
	All other.....	4,390	46,640
	Totals.....	\$15,181	81,812
Avalon (Catalina Island).....	Spiny lobster.....	\$7,739	15,103
	Swordfish.....	1,587	3,296
	All other.....	3,394	28,809
	Totals.....	\$12,720	47,208
Dana Point.....	Spiny lobster.....	\$9,488	18,516
	All other.....	1,752	17,683
	Totals.....	\$11,240	36,199
All other ports.....	Spiny lobster.....	\$5,731	11,184
	All other.....	3,585	47,633
	Totals.....	\$9,316	58,817

TABLE 27

*Landings of the Commercial Fishing Boats and Shipments Into the Los Angeles Region During 1953, Shown by Port
of Landing With the Corresponding Values*

TABLE 28

Landings of the Commercial Fishing Boats and Shipments Into the San Diego Region During 1953, Shown by Port of Landing With the Corresponding Values

		Value	Pounds
San Diego region totals.....		\$20,714,483	132,793,558
San Diego (Point Loma).....	Skipjack.....	\$7,737,373	55,893,625
	Yellowfin.....	6,948,122	43,561,050
	Albacore.....	5,056,305	24,930,051
	Yellowtail.....	248,368	2,636,601
	Bluefin.....	228,962	1,474,319
	White seabass.....	73,821	305,838
	Bonito.....	73,151	749,499
	Spiny lobster.....	57,400	114,071
	Pacific mackerel.....	45,395	1,213,786
	California barracuda.....	45,074	304,010
	California halibut.....	43,914	207,473
	Sardine.....	26,681	646,641
	Swordfish.....	19,913	43,411
	Shark.....	16,639	140,428
	Abalone.....	12,933	132,914
	Black sea bass.....	11,603	71,318
	Jackknife clam.....	8,075	21,447
	Sculpin.....	8,012	40,483
	All other.....	18,174	166,737
	Totals.....	\$20,679,945	132,653,102
Encinitas.....	Spiny lobster.....	\$7,752	15,406
	White seabass.....	2,262	9,078
	All other.....	1,738	12,692
	Totals.....	\$11,752	37,176
Mission Beach.....	Jackknife clam.....	\$9,512	25,265
	Totals.....	\$9,512	25,265
Oceanside.....	White seabass.....	\$4,683	16,384
	Spiny lobster.....	2,290	4,551
	All other.....	2,683	18,133
	Totals.....	\$9,056	39,068
La Jolla.....	Spiny lobster.....	\$2,243	4,458
	All other.....	820	5,165
	Totals.....	\$3,063	9,623
All other ports.....	All other.....	\$1,155	29,324
	Totals.....	\$1,155	29,324

TABLE 28

Landings of the Commercial Fishing Boats and Shipments Into the San Diego Region During 1953, Shown by Port of Landing With the Corresponding Values

TABLE 29
Origin of Shipments of Fresh Fish Into California During 1954

Shipped from	Shipped to					Total pounds
	San Francisco region	Monterey region	Santa Barbara region	Los Angeles region	San Diego region	
Continental United States:						
Salmon.....	1,230	----	----	51,985	----	51,985
Miscellaneous fish.....				100,174	----	101,404
Oregon, Washington, British Columbia and Alaska:						
Halibut, Pacific.....	20,803	----	----	----	----	20,803
Sablefish.....	185,236	----	----	262,151	----	447,387
Salmon.....	90,625	----	----	453,424	----	544,049
Miscellaneous fish.....	----	----	----	30,750	----	30,750
South of the international boundary:						
Barracuda, California.....	----	----	----	460	25,412	25,872
Bonito.....				1,555	2,346	3,901
Cabrilla.....				4,510	----	4,510
Corvina, shortfin.....				113	----	113
Halibut, California.....				----	808	808
Rockfish.....				9,812	----	9,812
Sea bass, black.....				49,071	10,306	59,377
Seabass, white.....				----	440	440
Shark.....				755	----	755
Tuna, albacore.....				----	4,548	4,548
Tuna, bluefin.....				----	451,025	451,025
Tuna, skipjack.....				807,305	231,564	1,038,869
Tuna, yellowfin.....				655,312	19,645	674,957
Yellowtail.....				1,670	12,282	13,952
Crustacean:						
Shrimp.....	100			----	----	100
Mollusk:						
Clam, Pismo.....				356,048	----	356,048
South America:						
Tuna, skipjack.....	70,561	434,110	----	4,811,607	6,618,411	11,943,689
Tuna, yellowfin.....	65,038	167,819	----	3,821,596	2,964,005	7,018,458
Fiji Islands:						
Tuna, albacore.....	----	----		237,613	----	237,613
Tuna, skipjack.....	----	----		166	----	166
Tuna, yellowfin.....	----	----		550,408	----	550,408
Japan:						
Sardine.....	5,750	----	----	----	----	5,750
Tuna, albacore.....	5,032,809	2,640	----	28,877,754	4,511,019	38,224,222
Tuna, bigeye.....	93,786	----	68,951	1,087,200	----	1,249,037
Tuna, oriental.....				132,861	----	132,861
Tuna, skipjack.....	80,487	----	----	2,575,722	68,823	2,725,032
Tuna, yellowfin.....	4,303,269	981,516	50,000	14,990,721	1,132,569	21,458,075
Australia:						
Tuna, bluefin.....	----	----	----	187,261	----	187,261
Total pounds.....	9,958,594	1,586,185	118,951	59,858,004	16,053,203	87,574,937

TABLE 29
Origin of Shipments of Fresh Fish Into California During 1954

TABLE 29—Continued
Origin of Shipments of Fresh Fish Into California During 1954

	Pounds		Pounds
Recapitulation:			
Barracuda, California.....	25,872	Tuna, bigeye.....	1,249,937
Bonito.....	3,601	Tuna, bluefin.....	638,286
Cabrilla.....	4,510	Tuna, oriental.....	132,861
Corvina, shortfin.....	113	Tuna, skipjack.....	15,707,756
Halibut, California.....	808	Tuna, yellowfin.....	29,701,898
Halibut, Pacific.....	20,803	Yellowtail.....	13,952
Rockfish.....	9,812	Miscellaneous fish.....	132,154
Sablefish.....	447,387	Crustacean:	
Salmon.....	596,034	Shrimp.....	100
Sardine.....	5,750	Mollusk:	
Sea bass, black.....	59,377	Clam, Pismo.....	356,048
Seabass, white.....	440	Total pounds.....	87,574,937
Shark.....	755		
Tuna, albacore.....	38,466,383		

TABLE 29
Origin of Shipments of Fresh Fish Into California During 1954

TABLE 30
Origin of the Commercial Fish Landings and Shipments Into California During 1954

Species	Fishing boat landings			Shipments ¹	Total pounds of fishing boat landings and shipments combined
	California	North of the state boundary	South of the international boundary		
Anchovy.....	42,410,214	-----	-----	42,410,214	42,410,214
Barracuda, California.....	485,946	-----	1,076,793	1,562,739	1,558,611
Bonito.....	218,701	-----	2,100,359	2,319,060	2,322,961
Cabezon.....	6,212	-----	-----	6,212	6,212
Cabrilla.....	-----	-----	155,547	155,547	160,057
Carp.....	506,216	-----	-----	506,216	506,216
Corvina, shortfin.....	-----	-----	128	913,802	113
Croaker, white (Kingfish).....	913,674	-----	-----	913,802	913,802
Dolphinfish, common.....	-----	-----	239	239	239
Flounder.....	478,704	21,846	-----	500,550	500,550
Flyingfish.....	13,748	-----	-----	13,748	13,748
Grouper.....	-----	-----	522,320	522,320	522,320
Hake.....	527,895	83,627	-----	611,522	611,522
Halfmoon.....	49,402	-----	605	50,007	50,007
Halibut, California.....	444,543	-----	216,788	661,331	662,139
Halibut, Pacific.....	90,682	-----	-----	90,682	20,803
Hardhead.....	94,081	-----	-----	94,081	94,081
Herring, Pacific.....	911,906	-----	-----	911,906	911,906
Lingcod.....	895,095	52,248	-----	947,343	947,343
Mackerel, jack.....	17,323,947	-----	9,600	17,333,547	17,333,547
Mackerel, Pacific.....	25,051,679	-----	360,925	25,392,604	25,392,604
Midshipman.....	2,865	-----	-----	2,865	2,865
Needlefish, California.....	200	-----	-----	200	200
Opah.....	9,067	-----	-----	9,067	9,067
Perch.....	118,499	-----	-----	118,499	118,499
Pompano, California.....	44,602	-----	-----	44,602	44,602
Ratfish.....	11,287	-----	-----	11,287	11,287
Rock bass.....	-----	-----	3,143	3,143	3,143
Rockfish.....	12,102,186	409,326	129,217	12,640,729	9,812
Sablefish.....	2,268,945	88,268	318	2,357,531	447,387
Salmon.....	9,497,173	1,451	-----	9,498,624	596,034
Sanddab.....	749,771	3,700	-----	753,471	753,471
Sardine.....	134,091,068	-----	2,412,949	136,504,017	5,750
Sargo, California.....	2,040	-----	-----	2,040	2,040
Sculpin.....	134,297	-----	-----	134,297	134,297
Sculpin, staghorn.....	3,215	-----	-----	3,215	3,215
Sea bass, black.....	5,835	-----	344,441	350,276	59,377
Seabass, white.....	434,354	-----	771,757	1,206,111	440
Shad.....	737,481	-----	-----	737,481	737,481
Shark.....	733,397	-----	36,940	770,337	755
Sheep-head.....	26,873	-----	2,311	29,184	29,184
Sierra.....	-----	-----	565	565	565
Skate.....	136,221	-----	-----	136,221	136,221
Smelt.....	608,609	-----	-----	608,609	608,609
Sole.....	17,160,443	2,571,736	-----	19,732,179	19,732,179
Splittail.....	782	-----	-----	782	782
Swordfish.....	16,568	-----	6,487	23,055	23,055
Tuna, albacore.....	14,289,095	-----	11,818,195	26,107,290	38,466,383
Tuna, bigeye.....	-----	-----	-----	-----	1,249,937
Tuna, bluefin.....	5,617,572	-----	15,377,248	21,024,820	638,286
					21,663,106

TABLE 30
Origin of the Commercial Fish Landings and Shipments Into California During 1954

TABLE 30—Continued
Origin of the Commercial Fish Landings and Shipments Into California During 1954

Species	Fishing boat landings				Shipments ¹	Total pounds of fishing boat landings and shipments combined
	California	North of the state boundary	South of the international boundary	Total fishing boat landings		
Tuna, oriental.....	----	----	----	----	132,861	132,861
Tuna, skipjack.....	14,399	----	153,741,791	153,756,190	15,707,756	169,463,946
Tuna, yellowfin.....	----	----	119,401,795	119,401,795	29,701,898	149,103,693
Turbot.....	161,353	14,565	----	175,918	----	175,918
Wahoo.....	----	----	5,363	5,363	----	5,363
Whitebait.....	267,281	----	----	267,281	----	267,281
Whitefish, ocean.....	1,237	----	2,397	3,634	----	3,634
Yellowtail.....	11,846	----	1,644,932	1,656,778	13,952	1,670,730
Miscellaneous fish.....	4,131	43	142	4,316	132,154	136,470
Crustacean:						
Crab.....	7,828,208	----	----	7,828,208	----	7,828,208
Crab, rock.....	39,058	----	----	39,058	----	39,058
Lobster, spiny.....	901,293	----	107	901,400	----	901,400
Prawn.....	2,695	----	----	2,695	----	2,695
Shrimp.....	----	----	----	----	100	100
Shrimp, bay.....	744,768	----	----	744,768	----	744,768
Shrimp, ocean.....	290,142	6,655	----	296,797	----	296,797
Mollusk:						
Abalone.....	4,099,525	----	----	4,099,525	----	4,099,525
Clam, gaper.....	1,098	----	----	1,098	----	1,098
Clam, jackknife.....	43,747	----	----	43,747	----	43,747
Clam, Pismo.....	----	----	----	----	356,048	356,048
Clam, Washington.....	10,279	----	----	10,279	----	10,279
Mussel.....	466	----	----	466	----	466
Octopus.....	30,758	----	----	30,758	----	30,758
Oyster, eastern.....	124,928	----	----	124,928	----	124,928
Oyster, native.....	6,047	----	----	6,047	----	6,047
Oyster, Pacific.....	460,620	----	----	460,620	----	460,620
Snail, sea.....	336	----	----	336	----	336
Squid.....	8,155,105	----	----	8,155,105	----	8,155,105
Miscellaneous mollusk.....	32	----	----	32	----	32
Total pounds.....	312,434,442	3,253,465	310,143,402	625,831,309	87,574,937	713,406,246

¹ For origin of shipments refer to Table 29.

TABLE 30
Origin of the Commercial Fish Landings and Shipments Into California During 1954

TABLE 31
Monthly Landings and Shipments Into California During 1954

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Fishing boat landings:													
Anchoovy.....	3,620,033	5,062,418	1,618,869	4,127,231	4,088,533	1,658,040	3,505,044	5,116,538	5,988,259	2,543,858	2,172,754	2,908,575	42,410,214
Barnacles, California.....	27,246	131,563	149,165	222,231	329,620	189,311	95,434	79,291	4,894	147,299	112,159	74,566	1,566,739
Bonito.....	36,141	18,348	3,241	1,232	77,676	36,455	211,645	78,034	110,683	479,490	419,490	321,000	2,310,680
Cabilla.....	1,985	114	1,323	889	16	16	16	16	41	897	375	375	6,212
Cabilla.....	40,230	20,022	3,279	46,015	14,400	4,067	7,038	5,291	10,355	155,547
Carp.....	29,160	35,091	67,276	106,440	53,024	38,679	22,321	13,170	31,445	48,102	37,869	22,749	506,216
Croaker, white (Kingfish).....	33,672	61,340	80,329	250,190	199,313	40,185	50,394	73,891	35,160	45,074	33,375	20,690	915,805
Dolphinfish, common.....	16,910	22,831	118,284	61,458	99	27,245	34,448	38,711	33,221	29,000	28,048	239	500,959
Floounder.....	1,250	8,279	2,304	1,291	2,319	2,319	2,319	2,319	2,319	2,319	2,319	2,319	13,748
Flyingfish.....	19	19	19	19	19	19	19	19	19	19	19	19	19
Grouper.....	81,153	127,116	67,584	28,309	8,837	8,844	3,355	3,355	3,355	17,890	16,535	79,831	532,320
Hake.....	9,638	11,645	11,460	41,514	44,425	75,277	55,582	50,557	71,142	79,820	50,698	67,185	611,522
Halibut.....	2,513	5,513	4,785	5,577	6,549	2,270	6,494	5,529	3,537	2,989	1,780	4,256	50,007
Halibut, California.....	56,750	83,460	56,817	60,077	44,961	44,825	63,736	57,414	33,359	27,781	72,039	60,412	661,331
Halibut, Pacific.....	782	8,436	4,268	3,237	6,925	35,113	12,969	12,788	2,399	1,176	2,353	1,496	90,682
Hardhead.....	6,294	3,229	3,996	2,299	928	5	10	32	5,789	34,898	26,499	7,282	94,086
Herring, Pacific.....	235,518	187,723	32,663	23,190	75,010	139,460	92,061	74,860	1,102	24,578	24,578	20,978	418,845
Lingcod.....	7,222	20,807	10,000	1,200	1,200	1,200	1,200	1,200	1,200	63,179	41,717	35,978	947,343
Mackerel, jack.....	63,638	273,206	888,059	541,146	559,591	199,075	6,098,715	4,924,453	1,699,128	1,092	316,482	738,273	17,333,847
Mackerel, Pacific.....	65,369	21,069	767,897	626,558	373,337	288,032	3,229,495	4,493,219	5,935,929	1,658,535	6,620,780	2,841,041	25,392,691
Mihiopman.....	2,860	2,860	2,860	2,865
Needlefish, California.....	598	470	369	960	2,023	919	421	569	669	720	194	543	200
Oprelleye.....	4,094	7,496	30,380	2,000	2,000	2,000	1,845	1,845	1,845	3,233	6,114	7,496	118,869
Pompano, California.....	595	423	3,998	9,931	1,351	1,945	20,539	3,793	3,793	1,312	156	429	44,692
Ratfish.....	1,182	1,182	632	693	1,200	1,200	1,200	1,200	1,200	110	110	110	3,143
Rock bass.....	1,056,214	1,110,445	1,716,736	1,093,281	1,081,396	1,123,928	782,518	807,592	906,788	1,251,012	1,044,998	665,231	12,640,729
Rock fish.....	177,984	165,389	220,370	231,431	130,198	203,751	195,493	266,149	262,097	273,230	169,197	115,740	2,357,531
Sailfish.....	1,294	301	2,058	5,557	962,941	2,529,627	2,546,619	1,632,594	1,514,559	2,694	7,063	5,498,624

DEPARTMENT OF FISHERIES AND GAME

TABLE 31
Monthly Landings and Shipments Into California During 1954

Sand-lab.	46,569	45,450	75,229	62,555	56,982	79,479	62,609	62,759	67,374	55,320	82,543	48,472	751,471	
Sardine.	636,731	73,054	71,144	101,073	189,163	203,214	51,858	841,903	1,794,654	58,262,337	67,677,270	16,680,774	136,504,017	
Sarco, California.									2,049				2,949	
Sculpin.	3,514	6,398	7,582	14,466	6,572	7,369	24,135	24,639	4,298	441	792	12,241	134,297	
Sedlin, staghorn.	208	200	200	420	185	185	630	185	630	1,255	200	315	215	
Sea bass, black.	21,005	41,127	5,700	9,616	17,200	65,089	6,057	10,301	18,842	26,762	57,167	70,118	350,275	
Seabass, white.	11,278	31,325	15,350	43,953	91,591	102,657	10,217	231,518	150,994	91,151	107,777	65,155	2,208,111	
Seal.	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	
Shark.	19,282	32,311	37,045	44,209	62,015	56,718	1,049	1,029	115,329	73,535	40,492	41,108	737,337	
Sheep-head.	6,225	7,709	977	715	105	274	1,268	1,085	213	3,097	5,338	3,345	29,194	
Sierra.													565	
Skate.	12,842	8,581	13,706	13,402	8,186	8,599	5,547	11,491	24,949	8,112	20,329	15,637	130,221	
Soch.	47,718	31,365	74,658	92,181	51,369	45,605	6,025	72,651	54,418	47,355	25,238	16,023	605,669	
Sole.	1,152,798	892,707	1,817,140	1,674,063	2,259,887	2,15,203	1,618,675	2,181,843	2,158,767	1,784,097	1,049,496	1,350,944	19,737,193	
Splintail.		301	215	69									782	
Swallow-tail.													21,055	
Tuna, bonito.													290,870	
Tuna, bluefin.	560,505	317,190	58,580	229,611	1,053	486,219	1,308,216	56,619,058	8,110,748	7,600,280	31,350,500	261,155,000	61,013,600	21,091,820
Tuna, skipjack.	1,471,908	1,023,083	10,041,207	11,932,620	11,830,531	15,683,006	12,069,643	13,454,131	14,008,047	8,430,135	14,779,735	15,230,750	15,230,750	
Tuna, yellowfin.	116,243,192	9,283,322	53,953,967	11,000,241	20,077	15,029,178	15,053,958	5,963,273	8,038,542	5,903,115	7,608,593	8,003,542	8,003,542	
Turbot.	6,982	35,292	24,628	12,551	15,674	11,914	9,067	5,135	14,189	16,041	17,481	6,674	175,918	
Wallop.													2,563	
Whiting.	8,842	19,667	60,550	85,154	49,065	27,731	13,424	14,447	1,788	154	1,077	267,281		
Whitefish.	538	538	538	538	538	538	200	125	48	450	500	500	500	
Yellowtail.	227,227	196,377	47,600	200,773	217,860	185,411	251,210	280,896	88,270	37,230	303,383	1,650,778		
Mielleous fish.	59	1,228	228	543	569	1,185	118	109	99	133	64		4,216	
Ctenostome.														
Crab.	17,429,099	1,065,039	761,920	509,858	203,413	113,201	99,331					1,821,587	1,411,151	
Crab, rock.	2,632	2,423	1,595	764	458	60	4,298	4,338	5,372	2,771	2,771	7,828,200		
Clown, ephy.	119,422	121,422	81,743	101,515	101,515	101,515	101,515	101,515	101,515	101,515	101,515	101,515		
Prawn.	821	411	264	194	133	145	133	155	119	109	300	248	2,605	
Shrimp, bay.	22,869	7,969	38,321	26,266	71,260	80,605	149,440	209,551	91,540	1,506	13,133	31,800	744,768	
Shrimp, ocean.													296,797	
Mollusk.														
Clam, pectoral.	240,919	303,554	500,161	493,161	49,776	321,018	295,331	306,655	284,999	302,496	190,344	2,401,741		
Clam, paper.		66	66	66	66	66	66	66	66	66	66	66	4,099,552	
Clam, sand.		3,483	3,730	3,603	6,032	5,343	6,842	5,705	3,264	1,534	1,102	417,747		
Clam, Washington.	803	1,246	3,473	1,339	738	16	461	603	912	644	10,279			
Mussel.					59	100	172	144					466	

TABLE 31—*Cont'd.*

TABLE 31—Continued
Monthly Landings and Shipments Into California During 1954

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Oceanus.....	2,652	2,818	4,091	2,813	1,392	1,108	691	2,724	1,065	1,562	3,543	5,386	30,758
Oyster, eastern.....	10,659	10,673	11,115	12,017	9,041	8,130	7,759	8,760	7,325	14,246	12,617	13,643	121,928
Oyster, northern.....	79	173	2,149	2,140	1,491	1,496	1,186	1,421	1,186	304	4,017
Oyster, Pacific.....	18,484	24,656	36,300	42,327	18,099	13,176	14,685	14,356	27,063	44,211	61,387	13,843	460,569
Seal, sea.....	62	99	121	27,070	70	338
Squid.....	4,305	775,642	412,834	1,792,088	515,049	376,763	136,749	68,420	1,074,633	1,894,933	720,999	473,308	8,153,105
Miscellaneous mollusk.....	22	19	32
Total pounds.....	37,561,768	26,408,468	23,594,022	36,945,758	37,140,331	33,382,784	67,834,071	60,693,501	55,311,460	83,866,518	96,108,192	51,937,406	625,831,309
SHIPMENTS													
Barnacles, California													
Bonito.....	25,872	23,872
Cabrilla.....	283	3,727	2,346	1,555	3,200
Corvina, shortfin.....	113	1,510
Haddock, California.....	898	113
Halibut, Pacific.....	10,637	50	3,000	672	3,451	2,116	3,000	2,000
Hake.....	2,688	9,812
Hakefish.....	51,157	813	74,663	11,480	2,022	1,633	2,781	27,490	10,920	10,920	10,920	10,920	141,570
Salmon.....	135,079	83,876	71,314	93,099	2,764	1,000	48,239	18,590	51,875	11,041	37,197	38,209	506,034
Sardine.....	2,090	1,300	2,000	236	200	200	5,750
Sea bass, black.....	1,706	38,387	10,078	714	5,120	3,372
Sea bass, white.....	416	440
Shark.....	415	755
Tuna, albacore.....	1,008	3,431,853	2,292,560	2,838,694	4,551,883	2,270,553	7,160,344	6,525,305	2,915,213	1,218,464	1,485,623	2,669,815	34,669,383
Tuna, bigeye.....	85,269	78,445	77,532	187,648	61,546	116,543	37,119	31,250
Tuna, bluefin.....	182,118	220,640	72,697	5,660	187,291	638,296
Tuna, oriental.....	69,957	132,141
Tuna, skipjack.....	601,189	380,733	747,709	693,133	1,833,870	1,937,625	1,578,263	2,284,832	502,214	21,000	1,733,711	2,813,692	15,707,756
Tuna, yellowfin.....	1,629,448	1,802,887	2,360,327	3,046,563	5,346,490	4,304,542	1,694,115	3,950,410	914,304	1,229,038	833,546	2,390,128	29,707,898
Yellowtail.....	12,082	1,405	1,405	209	265	13,852
Miscellaneous fish.....	209	600	13,223	38,265	16,449	62,589	730	132,154

TABLE 31—Cont'd.

¹ For origin of shipments see Table 29.

THE MARINE FISH CATCH OF CALIFORNIA

TABLE 31—*Cont'd.*

TABLE 32
Monthly Landings of the Commercial Fishing Boats in the Eureka Region During 1954

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Fishing boat landings from California waters:													
Anchovy.....													1,434
Flounder.....	975	279	77,630	25,191	15,311	4,859	8,135	33,897	29,882	17,847	6,008	1,511	218,668
Halibut, Pacific.....	4,418	12,727	3,552	19,197	19,382	8,601	8,623	58,623	53,132	74,575	23,261	32,745	345,543
Herring, Pacific.....						6,416	34,477	11,538	16,481	7,751	79		63,546
Linwood.....	1,077	4,492	23,392	21,852	81,110	101,993	93,497	93,501	76,291	29,097	8,174	1,195	529,544
Mackerel, Jack.....										270			70
Percy.....	1,383	1,681	9,001	14,518			11,172	4,098	3,749	934	2,234	2,332	32,023
Sablefish.....	58,749	228,569	517,091	181,388	273,752	315,249	218,350	308,771	260,325	283,146	109,973	31,359	2,783,802
Sabretooth.....	38,270	32,012	92,929	116,074	92,882	120,973	127,496	203,979	145,899	156,798	68,425	35,990	1,216,501
SALMON													
Salmon.....	3,150	7,227	6,796	7,867	445,373	1,240,533	1,036,835	885,991	348,738	10,087	34,615	10,541	3,927,400
Sardine.....	19	83		1,261	173	1,234	266	296			1,563	339	1,841
Shark.....	3,152		273								609		4,005
Smelt.....		565	2,276	32,939	7,812	6,388	3,388	5,172	3,399	697	186	50	42,471
Sole.....	282,981	263,881	494,128	632,454	1,282,205	1,266,693	1,152,340	1,491,046	1,464,132	1,249,878	478,899	574,769	10,217,136
Tuna, albacore.....											202,114	9,279	356,173
Tuna, longtail.....	3,001	29,427	6,492	5,875	6,281	6,251	5,357	6,391	1,807	1,807	2,080	995	73,344
Whitebait.....	961	2,257	11,575	21,955	25,268	34,988	16,774	12,424	157				10,077
Miscellaneous fish.....		536				4	63	6	23	100	45		1,077
Crustaceans:													
Crab.....	1,364,741	888,708	702,863	439,105	253,801	20,640	15,332					57,820	3,742,779
Shrimp, ocean.....					44,230	42,671	56,845	31,125					168,881
Mollusk:													
Clam, Washington.....	779	1,946	3,231	1,315	734				481	695	943	644	10,167
Octopus.....		100	490	30	230	345	347	242					1,764
Total pounds.....	1,738,836	1,673,156	1,958,542	1,497,687	2,548,993	3,535,443	2,797,135	3,931,358	2,604,453	1,857,575	714,809	732,631	21,328,215

TABLE 32
Monthly Landings of the Commercial Fishing Boats in the Eureka Region During 1954

THE MARINE FISH CATCH OF CALIFORNIA

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TABLE 32—*Cont'd.*

TABLE 33
Monthly Landings of the Commercial Fishing Boats in the Sacramento Region During 1954

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
<i>Fishing boat landings from California waters:</i>													
Carp.....	29,160	34,781	67,132	106,360	53,924	38,679	21,817	13,170	31,445	48,302	37,869	21,862	504,131
Flounder.....	200	13	10	32	273
Herring.....	8,594	2,919	3,655	2,889	988	1	5,790	34,861	26,469	1,298	92,353
Salmon.....	1,294	361	2,058	8,539	14,501	4,553	65,672	704,069	3,694	7,693	900,961
Shad.....	18,463	219,886	496,802	2,225	737,851
Splitail.....	201	215	60	179	30	782
Miscellaneous fish.....	20
Total pounds, Sacramento region....	39,548	35,435	51,445	337,094	506,340	45,453	21,927	76,874	831,603	83,600	66,972	36,372	2,336,873

TABLE 33
Monthly Landings of the Commercial Fishing Boats in the Sacramento Region During 1954

TABLE 34
Monthly Landings and Shipments of Commercial Fish Into the San Francisco Region During 1954

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Fishing boat landings from California waters													
Abalone.....	2,420				7,280	31,349	43,909	49,125	41,200	34,955	56,220	5,200	261,759
Cabezon.....					300	144	50			333		40	758
Carp.....					300	144	50			333		40	874
Croaker, white (Kingfish).....	13	72	174	351	91	155	9,016	973	105	10	110	6,079	6,079
Flounder.....	2,099	12,653	28,099	28,941	12,147	20,863	2,206	17,024	23,733	12,234	13,934	18,842	199,684
Hake.....	5,520	675					125		1,550	8,335	1,000		17,105
Halibut, California.....	53	940	474	140	46	71	142	158	178	123	261	166	2,705
Halibut, Pacific.....	732	8,480	4,250	12,500	409	636	1,296	1,624	1,869	1,106	2,354	1,499	25,058
Hardhead.....	310	310	446	90									1,156
Herring, Pacific.....	238,518	171,140	25,853		200								35,688
Lingcod.....	6,029	21,658	35,550	20,740	21,901	22,812	26,985	21,432	13,859	11,120	22,725	9,295	235,714
Perch.....	1,395	1,591	5,008	13,193	109		6,637	4,232	742	583	839	669	35,170
Rockfish.....	478,415	340,811	394,678	241,789	113,141	140,893	96,044	84,280	208,691	337,600	359,896	157,801	2,994,427
Salmon.....	61,530	45,344	77,225	32,098	10,808	31,649	13,235	21,770	7,708	24,888	25,089	37,461	398,188
Sardine.....					22,815	991,257	1,340,150	569,831	334,730				3,880,182
Sculpin.....	37,106	34,328	54,191	25,933	11,065	25,744	14,251	23,949	39,052	32,512	38,594	29,797	389,469
Sealion, steel.....	204	200	420	50					148	626	1,204	250	3,215
Seahorse, white.....	28				95	65			34	6,030	3,711	1,111	11,429
Shark.....	1,064	2,548	1,612	3,528	408	1,224	2,411	5,550	11,173	17,181	1,093	2,037	60,270
Starfish.....	3,630	4,860	9,329	10,745	4,790	5,373	3,370	9,649	7,622	5,929	10,722	14,558	89,631
Smelt.....	9,439	16,968	50,544	62,739	22,965	25,051	13,245	23,703	29,499	25,230	7,496	6,532	295,441
Tuna, yellowfin.....	709,781	440,731	698,602	479,114	207,712	210,064	201,257	316,398	394,190	307,665	385,008	446,730	4,793,993
Tuna, skipjack.....								1,159	541,600	492,400	127,860	26,000	1,119,564
Turbot.....	1,407	2,267	2,924	4,119	3,458	4,849	1,116	4,966	12,219	13,388	15,567	73,297	
Whitebait.....	6,647	14,135	9,560	8,991	7,705	7,816	1,002					315	56,983
All miscellaneous fish.....		12	78	79	34			33	24				271

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TABLE 34
Monthly Landings and Shipments of Commercial Fish Into the San Francisco Region During 1954

TABLE 34—Continued
Monthly Landings and Shipments of Commercial Fish Into the San Francisco Region During 1954

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Crustacean:													
Crab,	373,026	106,105	49,416	50,958	39,302	91,686	83,238	1,822,737	1,382,122	4,020,835	
Crayfish, bay,	22,969	7,969	35,201	26,396	71,260	80,605	119,440	209,851	91,540	1,596	13,131	31,860	741,768
Shrimp, ocean,	3,036	37,311	63,745	7,759	112,731	
Mollusk:													
Abalone,	2,000	3,959	550	5,823	330	13,553	
Clam, Washington,	24	24	24	24	24	16	16	
Ostopus,	30	12	6,641	6,631	3,49	2,10	283	5,475	2,11	1,294	2,401	9,113	
Scallop, ocean,	16,659	16,673	11,115	12,017	5,041	8,130	7,759	8,793	7,335	14,246	13,017	12,643	121,928
Oyster, native,	70	1,735	2,169	1,449	1,449	1,449	1,449	196	180	306	6,047
Oyster, Pacific,	18,067	20,784	15,114	17,377	10,019	7,849	6,235	6,030	9,163	12,561	12,457	13,175	146,101
Squid,	2,180	750	2,030	
Total pounds,	1,992,631	1,395,903	1,006,673	1,066,050	795,414	1,640,607	2,064,138	1,996,094	1,748,666	1,017,329	2,776,639	2,208,614	20,140,531
Shipments: ¹													
Haddock, Pacific:													
Salvelinus,	10,637	69	3,600	2,115	3,030	2,000	20,933	
Sole,	28,500	11,111	11,780	12,040	3,723	20,697	18,343	13,501	7,065	22,438	158,238
Sardine,	209	10,467	21,071	8,632	48,116	90,025	
Sardine,	2,000	1,300	2,000	250	200	694,367	218,874	408,412	440,399	187,222	37,599	184,159	4,750
Tuna, albacore,	170,472	387,092	933,464	671,351	728,155	5,021,369	
Tuna, bigeye,	44,000	29,777	10,000	93,746
Tuna, skipjack,	79,561	50,487	164,148	
Tuna, yellowfin,	66,658	31,413	22,000	22,000	500	500	479,566	345,877	108,607	691,806	396,349	310,021	4,394,307
Miscellaneous fish,	600	650	1,230
Total pounds,	332,791	835,713	1,865,878	939,745	1,250,705	1,141,180	519,126	671,632	613,145	905,093	430,577	852,519	8,926,594
Grand totals, San Francisco region,	2,345,422	2,183,516	3,312,548	2,005,795	2,046,209	2,781,797	2,553,256	2,667,716	2,363,834	1,922,413	3,227,316	2,691,393	30,099,125

¹ See Table 29 for origin of shipments.

TABLE 34
Monthly Landings and Shipments of Commercial Fish Into the San Francisco Region During 1954

TABLE 35
Monthly Landings and Shipments of Commercial Fish Into the Monterey Region During 1954

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Fishing boat landings from California waters:													
Angler.....	2,470			138,055		500		56,000	1,750	5,900		90,000	245,475
Calico.....	1,710	351	1,253	491	10		16		25	18	857	375	8,200
Croaker, white (Kingfish).....	15,542	22,470	9,319	7,921	32,108	16,709	27,002	54,361	23,445	35,543	21,141	5,311	271,773
Flounder.....	10,705	6,111	6,055	8,182	583	1,302	1,413	2,324	329	1,889	4,678	10,432	54,112
Hake.....			3,910	24,050	28,338	23,298	18,089	35,471	4,240	1,225	12,818	7,950	168,247
Haddock, California.....	3,350	3,228	1,480	771	208	6,121	7,229	6,203	535	109	3,929	5,893	41,346
Herring, Pacific.....	14,048		6,650	23,165	74,810	159,460	91,445	75,800	1,102	13,550	46	429	429,500
Lingcod.....	7,590		9,428	4,846	1,700	5,915	5,915	5,000	6,459	7,672	2,000	104,594	300,000
Mackerel, jack.....	100				176,785	1,845	10,489	2,833	37,028	4,701,165	1,314,730	307	100
Mackerel, Pacific.....								774		3,315			4,230
Needlefish, California.....									200				200
Percs.....	405	641	647	11,208		145	975	712	1,700	468	394	1,300	18,565
Pompano, California.....		11		1,287		9,605	298	1,108	20,000	3,370	1,139	34	37,458
Rockfish.....	418,373	412,518	565,412	450,964	481,100	471,889	398,099	324,055	354,059	485,735	444,423	36,658	5,177,756
Sablefish.....	92,657	84,860	41,208	59,105	15,111	23,141	32,101	25,173	44,957	66,447	71,184	61,825	531,023
Seabass.....							196,779	256,933	499,231	114,594	17,076		974,203
Seadab.....	4,497	4,694	11,904	25,387		23,816	14,400	20,286	35,644	10,272	7,732	5,315	171,277
Seardine.....							403	3,693	6,603	815		3	11,699
Sealions, white.....	339			39	37	33	92	93	209		197	717	2,788
Shark.....	2,465	2,064	18,275	749	3,903	1,117	3,540	3,186	192	2,739	8,117	4,563	50,610
Smelt.....	4,006	4,715	1,275	3,250	2,541	2,145	1,581	1,411	9,907	49,722	12,222	12,222	12,222
Sole.....	9,884	5,110	1,131	6,700	11,111	12,552	20,024	40,024	17,541	15,809	12,552	4,209	100,190
Sole.....	69,705	102,060	73,215	103,622	88,530	42,853	62,020	64,573	47,002	35,020	61,478	794,164	
Swallowfish.....									359	303			650
Tuna, albacore.....													3,519,078
Turbot.....	671	50	532	632		55	2,652	541,564	2,059,454	600,131	210,166	4,751	3,220
Whiteland.....	675	2,984	24,855	51,391	17,022	4,219	1,038		1,486	1,785	154	742	106,681
Miscellaneous fish.....	35		42										77

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TABLE 35
Monthly Landings and Shipments of Commercial Fish Into the Monterey Region During 1954

TABLE 35—Continued

Monthly Landings and Shipments of Commercial Fish Into the Monterey Region During 1954

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Crustacean:													
Crab.....	1,725	3,314	1,553	218	6	375	205	81	110	109	566	1,043
Prawn.....	821	411	264	19	97	100	350	248	248	9,235
Mollusk:													
Alacon...	1,000	1,000
Clam, gaper.....	99	188	160	220	160	130	20	40	80	69	69	1,098
Otopori.....	2,419	2,288	2,853	1,785	505	31	141	1,012	525	1,353	1,591	2,854	17,598
Scallop.....	259	214,960	412,760	1,922,000	508,830	328,145	109,090	65,090	1,073,883	1,364,333	726,465	441,263	7,471,992
Miscellaneous mollusk.....	22	10	32	32
Total pounds.....	648,205	886,105	1,271,516	2,730,100	1,514,002	1,350,929	1,283,462	6,185,007	8,013,303	3,192,103	1,368,241	1,031,973	26,772,436
Shipments ¹ :													
Tuna, skipjack.....	184,901	186,769	148,300	2,640	2,640
Tuna, yellowfin.....	140,122	140,971	482,067	298,341	99,869	434,110
Crustacean:													
Shrimp.....	100	100
Total pounds.....	140,122	294,972	618,856	429,681	102,549	1,586,183
Grand total, Monterey region.....	738,322	1,181,147	1,690,372	3,150,751	1,616,951	1,350,929	1,283,462	6,185,007	8,013,303	3,192,103	1,368,241	1,031,973	26,359,621

¹ See Table 29 for origin of shipments.

DEPARTMENT OF FISHERIES AND FORESTRY

TABLE 35
Monthly Landings and Shipments of Commercial Fish Into the Monterey Region During 1954

TABLE 36
Monthly Landings and Shipments of Commercial Fish Into the Santa Barbara Region During 1954

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
<i>Fishing boat landings from California waters:</i>													
Anchoa.....	1,720,280	918,643	654,450	1,415,000	1,043,530	446,900	1,448,739	3,572,873	2,091,690	1,143,277	1,039,360	411,630	16,807,292
Barracuda, California.....												1,268	4,268
Bonito.....													2,445
Croaker, white (Kingfish).....	24	43	70	10	81		50			22		25	5,330
Flounder.....	1,631	3,015	3,711	1,846	875	300		15	346	461	2,561		15,088
Hake, California.....	247,42	23,623	12,834	27,672	19,802	19,299	11,500	3,280	7,110	8,632	13,172	20,988	180,116
Herring, Pacific.....		837					619						1,556
Lingcod.....	326	749	1,715	2,188	2,438	1,872	1,939	1,334	3,965	4,233	2,380	2,222	24,751
Mackerel, Jack.....		209,659	614,410	664,109	375,903	24,000	67,233	21,470	130	295	191,470	994,570	2,762,403
Mackerel, Pacific.....			15,150				97,724	376,975	125,984	7,000	689,528	31,600	1,650,258
Makahpounds.....													2,865
Porgy.....		1,800	3,185	533	111	30						2,700	10,112
Pompano, California.....							350				49		379
Rockfish.....	53,350	48,021	67,193	86,751	95,815	27,324	19,070	11,906	14,673	80,137	44,177	32,093	500,010
Sablefish.....	3,455	3,296	2,461	301	970	193			4,142	545	5,905		21,272
Salmon.....							73,083	138,690	59,418	35,768	66		506,625
Sardines.....	246	502	1,146	730	1,128	899	333	257	198	365	1,614		7,605
Sea bass, black.....						35,990	25,700	40,000	1,260,000	17,932,50	4,021,200	208	373,030
Seabream, white.....					77	200	135						720
Sole, white.....	209	252	1,470	6,574	4,237	11,712	10,116	5,619	15,251	1,083	16,076	2,213	76,231
Shark.....		1,804	21,561	2,200	6,570	6,070	21,600	53,266	182,155	94,550	31,904	7,557	2,002
Sheep-head.....	1,510	3,683	205		30	215	285				1,750	3,140	693
Skate.....	4,802	3,151	2,799	1,049	300					1,278	6,887	664	20,830
Smelt.....	38	980			67		329		179	2,393	2,549	828	7,201

THE MARKET PRICE OF ANCHOA

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TABLE 36
Monthly Landings and Shipments of Commercial Fish Into the Santa Barbara Region During 1954

TABLE 36—Continued
Monthly Landings and Shipments of Commercial Fish Into the Santa Barbara Region During 1954

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Sole, white.....	91,415	88,038	135,746	169,615	106,170	51,436	13,215	16,855	25,345	32,332	47,735	97,025	852,901
Tuna, albacore.....	488	348,709	307,293	43,317	16,149	400
Tuna, bluefin.....	6,328	66,765	24,297	2,222	5,388	811,430
Turbot.....	1,913	3,910	2,697	1,278	1,025	268	37	212	573	919	2,988	107,832
Miscellaneous fish.....	24	350	85	435	15	19	1,095
CRUSTACEANS:													
Crab.....	2,307	5,534	17,098	19,217	9,276	291	566	221	765	55,000
Crab, rock.....	612	795	400	1,905
Lobster, spiny.....	40,900	49,734	33,564	35,148	46,502	53,600	259,248
Prawn.....	46	25	134	215
Shrimp, ocean.....	3,147	1,774	3,869	8,810
MOLLUSKS:													
Oarfish.....	96,042	87,007	260,355	121,415	72,371	229,555	257,925	167,827	62,440	65,395	122,053	1,533,960
Octopus.....	35	118	207	107	116	18	18	18	18	93	135	138	944
Oyster, Pacific.....	417	3,892	21,186	24,650	7,860	5,827	8,150	7,750	17,630	31,650	56,670	135,007	311,810
Squid.....	200	200	200
Total pounds.....	2,037,003	1,294,116	1,677,632	2,670,435	1,880,457	907,334	2,29,971	5,273,588	5,244,768	19,477,511	6,291,450	2,205,612	\$1,302,287
SQUIDGONI:													
Tuna, bigeye.....	46,455	22,490	68,951
Tuna, yellowfin.....	4,700	45,300	50,000
Total pounds.....	51,155	45,300	22,490	118,951
Grand totals, Santa Barbara region.....	2,037,003	1,294,116	1,677,632	2,670,435	1,880,457	907,334	2,291,971	5,273,588	5,244,768	19,477,511	6,291,450	2,238,108	\$1,421,238

¹ See Table 29 for origin of shipments.

REMARKS ON FISH AND GAME

TABLE 36
Monthly Landings and Shipments of Commercial Fish Into the Santa Barbara Region During 1954

TABLE 37
Monthly Landings and Shipments of Commercial Fish Into the Los Angeles Region During 1954

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Fishing boat landings from California waters:													
Anchovy.....	1,864,559	4,145,172	964,200	2,565,046	3,023,693	1,166,210	2,097,184	1,445,569	2,959,139	1,338,461	1,125,944	2,456,925	25,092,015
Bonito, California.....	7124	3,807	218	5,895	38,603	62,883	17,201	1,031	1,021	1,031	1,151	8,856	185,500
Carp.....					84	131	472	2,441	251			41,220	49,567
Croaker, white (Kingfish).....	17,167	26,054	69,399	241,503	157,144	21,805	15,151	9,311	8,679	7,538	10,318	14,949	609,603
Flyingfish.....						1,250	8,724	2,961	1,301	312			13,748
Hake.....	2,513	5,513	4,785	5,527	6,849	2,270	4,894	3,429	3,537	2,498	1,581	4,356	49,402
Herring, California.....	6,519	23,333	33,184	18,204	12,054	9,364	9,204	9,067	5,974	6,024	4,848	3,685	138,670
Lingcod.....	29	49	12	38						20	16	10	73
Mackerel, jack.....	63,928	64,555	96,864	188,199	173,209	170,140	6,511,454	201,788	294,008	310	12,612	122,803	8,315,730
Mackerel, Pacific.....	95,366	21,069	732,747	626,502	377,187	270,237	2,068,894	3,991,778	4,866,072	1,005,672	5,906,747	2,141,436	23,024,577
Oplaye.....	508	470	569	999	2,823	789	431	569	469	694	194	843	8,571
Pompano, California.....	494	425	2,611	325	1,053	507	361	412	173	17		428	8,765
Porgy.....	32,389	65,320	68,049	81,789	82,203	73,343	10,905,426	15,196	30,361	31,010	22,914	41,781	845,030
Sablefish.....	47	61	188	199			7		209	1,192			1,932
Salmon.....				18	19	6,527							6,565
Sardidah.....	1,870	1,869	1,919	2,883	2,365	2,368	1,193	1,644	2,946	2,690	2,100	1,299	2,544
Sardine.....	636,731	75,051	71,141	101,973	189,103	277,219	255,355	378,900	433,259	40,252,349	53,239,441	12,791,449	108,674,558
Sargo, California.....													2,040
Seaspin.....	2,056	1,948	1,433	1,633	5,124	19,721	13,802	13,876	4,122	295	792	7,839	73,431
Sea bass, black.....						278	118	722	434	361	213		8
Shark.....	79	5,084	1,007	16,839	64,543	87,400	43,258	39,148	1,077	9,209	5,042	3,149	247,679
Sheat-head.....	5,003	7,202	8,029	15,776	21,618	12,620	1,273	65	2,677	2,238	3,049	1,921	3,566
Skate.....	736	296	207	36				890	62	105	259	259	2,449
Smelt.....	676	264	190	648	438	640	132		219	60	191		
Sole.....	28,109	9,724	19,790	9,656	9,489	1,616	2,607	1,112	3,800	3,085	2,470	1,179	92,637
Sole.....	180	381	214	629	836	81	118			38			2,249
Tuna, albacore.....							177	3,250	688	128	1,798		8,641
Tuna, bluefin.....							1,827	1,511,741	2,017,484	2,832,206	820,009	182,821	1,134
							1,000	296,772	561,378	1,697,498	1,232,428	27,617	43
													4,779,903

THE MARKET SHARE OF CANNERY

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TABLE 37
Monthly Landings and Shipments of Commercial Fish Into the Los Angeles Region During 1954

TABLE 37—Continued
Monthly Landings and Shipments of Commercial Fish Into the Los Angeles Region During 1954

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Tuna, skipjack.....	72	108	80	200	175	4,660	9,069	670	14,599
Whitefish, ocean.....	17	1,855	1,235	1,930	384	215	741
Yellowtail.....	38	356	560	55	4,153
Miscellaneous fish.....	820
Cetaceans.....	18,417
Cod, rock.....	556	301	479	344	411	1,055	840	4,298	4,336	830	2,310	2,457	436,062
Lobster, spiny.....	63,166	59,656	36,021	90,439	91,174	95,795
Mollusks.....
Ahalene.....	148,792	195,986	602,343	311,143	232,304	39,853	78,167	46,538	202,945	117,490	209,993	2,243,856
Ostopus.....	120	238	201	22	325	325	340
Seal, sea.....	62	80	181	70	336
Squid.....	4,083	510,265	6,619	65,618	27,075	1,150	318	29,013	627,182
Total pounds.....	3,031,332	3,038,628	2,330,289	4,491,024	4,776,025	3,199,024	14,227,474	9,944,190	12,765,999	13,500,583	69,546,182	18,209,955	192,570,004
Fishing boat landings from south of the international boundary:
Barracuda, California.....	5,169	123,116	111,118	212,330	110,050	21	60,022	99,003	3,648	120,263	70,145	87,237	910,568
Bonito.....	334,023	44,520	1,685	381	77,563	52	129,277	2,692	7,640	133,666	42,176	71,161	823,471
Cod, rock.....	49,729	20,022	5,379	46,915	14,400	4,967	7,698	4,958	10,355	155,314
Dolphinfish, common.....	19	220	20	20
Grouper.....	80,895	127,179	58,809	23,041	6,967	8,011	3,358	3,814	17,800	97,584	74,440	507,401
Hallibut.....	8,378	213	19,434	17,185	1,515	400	203	605
Haddock, California.....	5,220	2,234	29,112	1,13,650	98,539
Mackerel, rock.....	9,650	9,600
Mackerel, Pacific.....	369,000	369,908
Rock bass.....	335	435	692	14	200	14	110	336	2,156
Rockfish.....	14,755	14,640	3,950	4,300	5,290	14,595	1,065	7,170	51,543	9,370	126,678
Sablefish.....	318	218
Sardine.....	2,303,542
Sea bass, black.....	19,981	30,000	4,840	1,696	12,482	64,655	6,080	8,069	16,938	24,895	46,546	65,436	311,984
Sea bass, white.....	3,009	3,214	12,370	4,273	11,714	31,140	188,699	144,433	50,513	43,714	33,989	529,007

DEPARTMENT OF FISHERIES AND Game

TABLE 37
Monthly Landings and Shipments of Commercial Fish Into the Los Angeles Region During 1954

Shark.....	260	40	31	1,210		2,185	2,335	3,100	7,298	6,182	6,035	29,407
Sheep-head.....			169			350				175	130	515
Stern.....	168				42				355			565
Seawrill.....							50					50
Tuna, albacore.....		1,055	649		1,047,745	1,110,505	299,063	15,809				2,465,827
Tuna, bluefin.....	560,660	317,190	29,820	238,611	54,831	384,838	5,717,235	4,554,165	2,034,318	234,339	45,970	360,017
Tuna, bigeye.....	7,270,165	2,000,000	6,000,000	7,251,693	6,180,671	11,002,638	9,811,705	7,095,165	8,242,085	4,084,703	6,052,212	7,672,117
Tuna, yellowfin.....	6,217,031	4,910,114	3,644,259	2,614,476	2,614,476	2,614,476	2,614,476	2,614,476	2,614,476	1,000,000	4,000,000	6,775,175
Waloo.....					2,833							2,831
Whitefish, ocean.....		90								488	530	1,355
Yellowtail.....	8,345	183,126	30,779	126,824	61,885	47,727	631	8,914	1,582	1,291	34,109	88,881
Miscellaneous fish.....		130										130
Total pounds.....	14,796,490	7,076,855	10,346,369	15,955,354	12,478,912	22,317,817	27,162,446	18,126,787	15,397,910	6,339,600	11,198,156	14,790,793
 Skins:												
Barreca, California.....												449
Bonefish.....												1,555
Catfish.....					783		3,727					4,510
Cow, shortfin.....					115							115
Rockfish.....								673	5,431	3,858		9,812
 Sablefish.....	5,30	812	42,443	1,065	6,297	9,903	7,000	24,300	88,590	31,569	39,467	262,151
Salmon.....	11,828	23,272	36,140	84,067	2,140	1,009	43,200	12,000	3,789	11	37,197	36,000
Sea bass, black.....					1,798			32,166	6,207		3,120	3,372
Shark.....	1,264,899	2,133,934	1,318,799	1,859,927	2,961,038	919,924	5,131,735	6,119,381	2,474,830	1,081,212	1,447,733	2,352,027
Tuna, bigeye.....	41,299				78,445	37,755	187,648	614,546	70,388	57,119		1,087,200
Tuna, bluefin.....												187,261
Tuna, skipjack.....	661,380	147,181	29,544	105,388	1,197,672	1,140,736	804,765	1,067,363	501,265	780,331	1,758,656	1,232,811
Tuna, yellowfin.....	1,134,164	1,093,777	1,817,676	2,216,510	4,221,618	3,270,575	1,169,582	2,652,463	666,190	491,832	349,673	1,752,877
 Yellowtail.....		205				13,323	38,265		1,403		365	
Miscellaneous fish.....								16,440	62,589		100	130,924
 Mollusk:												
Clam, Pismo.....		172,152	183,896									356,048
Total pounds.....	3,241,678	3,023,350	2,642,201	4,207,057	8,533,811	5,303,218	7,421,191	10,491,778	3,825,540	1,697,558	2,631,601	6,062,726
Grand totals, Los Angeles region.....	21,060,387	16,338,543	15,319,089	24,753,435	25,788,748	30,910,089	48,914,113	38,562,753	31,599,049	51,787,840	74,698,939	39,112,474
												419,245,759

¹ See Table 29 for origin of shipments.

TABLE 37—Cont'd.

TABLE 38
Monthly Landings and Shipments of Commercial Fish Into the San Diego Region During 1954

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds	DEPARTMENT OF FISHL AND GAME
<i>Fishing boat landings from California</i>														
Anchoa.....	134	687	159	1,069	154,500	133,142	15,588	250	2,250	2,409	295,988
Barracuda, California.....	408	34,690	62,802	44,358	9,233	12,064	3,497	166,649	100
Bonito.....	900	900	100
Carp.....	1,499	3,235	9,246	2,720	888	278	528	21,097
Croaker, white (Kingfish).....	950	214	1,470
Hakelet, California.....	3,598	10,836	2,892	12,932	3,449	2,876	600	230	2,905	9,699	11,503	7,449	68,629	247
Lamprey, ocean.....	81	129	16,678	163,806	31,151	40,873	42,833	31,190	31,107	532,778
Mackerel, Pacific.....	160	36	196
Oval eye.....	900	1,337	3,490	579	198	209	331	31,089
Rockfish.....	2,018	2,611	6,981	9,039	1,734	847
Salmon.....	847	459
Saddab.....	176	33	110	140	971,694
Sardine.....	107	17,103	307,411	506,478	60,945
Sole, black.....	1,288	8,350	6,309	12,003	1,448	9,645	10,356	9,063	176	146	229	517	2,981
Seabass, white.....	1,022	15,699	5,215	3,124	16,204	20,607	1,920	10,967	3,722	3,949	7,339	5,112	94,949
Shark.....	8,569	3,023	5,471	16,487	29,197	10,538	2,954	10,285	5,968	8,206	13,606	21,041	114,457	12,133
Sheep-head.....	3,769	3,445	405	519	20	20	11	1,243	1,319	1,265	3,211	411
Skate.....	311	197	1,476
Smelt.....	218	900	100	98	50	128	1,476
Stromfish.....	1,469	8,037	1,002	7,374
Tuna, albacore.....	246,804	295,218	129,087	240,388	18,254	22,553	46	932,284	759,717
Tuna, bluefin.....	97,791	140,041	311,903	191,815	12,491	470
Whitefish, ocean.....	165	125	180	110	3,086	227	127	1,141	137	175	91	7,002
Yellowtail.....	150	153	875	50	782
Miscellaneous fish.....
Crustaceans:
Crab, rock.....	2,076	1,742	1,116	420	47	3,010	5,018	4,201	18,832
Lobster, spiny.....	15,289	17,165	17,600	71,442	52,921	33,630	205,983

TABLE 38
Monthly Landings and Shipments of Commercial Fish Into the San Diego Region During 1954

	THE MARINE FISH CATCH OF CALIFORNIA											
Mullets:												
Ashley.....	2,188		19,901	43,433	23,068	15,793	25,943	21,240	70,004	37,111	6,918	38,954
Chin, bonknife.....	1,614	2,481	2,739	3,903	6,032	5,343	6,942	5,705	3,938	2,964	1,534	1,139
Musel.....					50	100	172	144				456
Squid.....		49,757	41									49,801
Total pounds.....	43,617	108,356	71,629	105,430	339,729	400,758	854,554	639,519	278,240	453,318	532,660	756,094
Fishing boat landings from waters south of the international boundary:												
Burrocks, California.....	14,789	4,350	37,063	3,124	408	3,280		287	215	18,595	37,746	7,239
Bunots.....	30,148	3,841	2,319	194		1,622	9,831	22,188	103,302	338,554	306,200	494,997
Codfish.....										323		333
Codfish, white (Kingfish).....										128		128
Grouper.....	342			9,625	3,228		935				1,391	14,919
Hallibut, California.....	19,158	16,058	5,853	58		8,882	15,141	21,330	15,142	415	9,621	6,531
Mackerel, Pacific.....						17					17	
Rock bass.....	790	197									497	
Rockfish.....	310						1,024			615	590	2,539
Sardine.....										49,007		49,007
Sea bair, black.....	1,204	1,201	866	888	4,436		16,479	1,091	1,126	1,653	9,684	4,437
Seabass, yellow.....	9,677	6,007	3,237	5,164	1,615	9	788	223	555	106,745	19,456	23,668
Shark.....	777	700	218			55	613	410	217	2,256	1,407	961
Sheep-head.....	210	315	10				878	138	140		15	1,496
Smeltfish.....												6,437
Tuna, albacore.....							1,239	4,692,460	3,125,835	1,231,413	273,041	35,990
Tuna, bluefin.....							30,997	56,000	1,231,413	273,041	35,990	380
Tuna, skipjack.....	7,470,753	1,200,354					4,381,078	6,628,028	6,330,309	8,737,233	1,453,702	8,984,439
Tuna, yellowfin.....	5,747,262	5,192,200	2,469,609	3,317,893	5,466,317	5,003,749	3,411,021	4,698,555	3,984,750	2,462,733	3,725,627	5,083,395
Whitefish, ocean.....	466			20				536			20	1,042
Yellowtail.....	218,882	43,451	16,721	71,822	248,897	136,291	671	16,202	6,847	81,029	23,030	222,672
Micromesistius fish.....				12								12
Cownets:												107
Lobster, spiny.....	107											
Total pounds.....	13,235,594	8,466,012	6,022,977	7,733,015	11,354,028	9,578,247	16,778,553	14,900,328	11,155,630	7,553,554	11,992,218	14,735,165
												133,625,651

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TABLE 38—Cont'd.

TABLE 38—Continued
Monthly Landings and Shipments of Commercial Fish Into the San Diego Region During 1954

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Shipments:¹													
Barracuda, California							25,412						25,412
Bonito								2,346					2,346
Mackerel			908										908
Sea bass, black						6,331	3,351		714				10,390
Seabass, white							440						440
Tuna, albacore	171,081	919,587	302,297	308,516	556,491	914,717	1,459,235	1,311					4,015,507
Tuna, bluefin						132,118	239,440	72,697					451,025
Tuna, skipjack		541,009	411,055	636,198	706,889	773,498	1,217,274	999					6,315,793
Tuna, yellowfin	256,307	309,096	107,831	317,749	616,188	533,056	454,568	1,065,070	131,909				4,116,219
Yellowtail						12,682		200					12,282
Total pounds	427,588	1,219,693	679,737	1,095,699	1,711,877	2,150,460	3,364,602	2,888,688	139,068	5,600	1,046,704	1,441,605	16,033,203
Grand totals, San Diego region	13,706,799	9,793,953	6,774,343	8,926,914	13,005,644	12,138,467	20,988,049	18,328,533	11,572,033	8,012,543	13,871,882	16,932,864	184,262,950

¹ See Table 29 for origin of shipments.

DEPARTMENT OF FISH AND GAME

TABLE 38—Cont'd.

TABLE 39

The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1954

Species	Eureka region		Sacramento region		San Francisco region		Monterey region	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Fishing boat landings:								
Anchovy.....	1,434	\$115	261,759	\$10,366	245,175	\$6,889
Barracuda, California.....
Bonito.....	758	15	5,203	164
Cabezon.....
Cabrilla.....
Carp.....	504,431	\$27,441	494	39
Croaker, white (King-fish).....	6,070	159	271,772	18,562
Dolphinfish, common.....
Flounder.....	240,494	10,606	273	11	190,584	8,062	54,113	3,679
Flyingfish.....
Grouper.....
Hake.....	429,170	6,437	17,105	768	165,247	1,487
Halfmoon.....
Halibut, California.....	2,782	566	41,346	9,439
Halibut, Pacific.....	65,646	13,292	25,036	5,713
Hardhead.....	92,925	38,982	1,156	520
Herring, Pacific.....	5,288	132	475,161	8,505	429,901	14,143
Lingcod.....	581,832	39,332	235,744	16,549	104,594	10,114
Mackerel, jack.....	270	19	6,245,504	212,972
Mackerel, Pacific.....	4,239	313
Midshipman.....
Needlefish, California.....	200	10
Opah.....
Perch.....	52,022	6,009	35,170	6,732	18,595	2,307
Pompano, California.....	37,458	11,927
Ratfish.....	11,287	111
Rock bass.....
Rockfish.....	3,193,209	103,140	2,984,427	115,200	5,177,756	234,553
Sablefish.....	1,304,769	130,477	398,188	11,866	631,052	28,838
Salmon.....	3,925,941	1,196,362	900,961	262,270	3,380,182	994,788	974,303	283,327
Sanddab.....	159,014	8,968	389,459	18,032	171,277	11,253
Sardine.....	11,699	1,388
Sargo, California.....
Sculpin.....	3,215	161
Sculpin, staghorn.....
Sea bass, black.....
Seabass, white.....	11,423	2,323	4,672	1,349
Shad.....	737,481	51,845
Shark.....	4,868	410	50,270	14,156	50,910	4,052
Sheep-head.....
Sierra.....
Skate.....	4,025	93	89,651	1,111	17,755	288
Smelt.....	42,471	3,805	295,441	19,855	169,160	9,879
Sole.....	13,288,872	728,230	4,793,993	283,325	794,164	58,292
Splittail.....	782	214
Swordfish.....	653	318
Tuna, albacore.....	356,173	64,431	1,181,564	230,051	3,519,078	658,771
Tuna, bluefin.....
Tuna, skipjack.....
Tuna, yellowfin.....
Turbot.....	87,809	1,493	70,207	2,906	2,220	131
Wahoo.....
Whitebait.....	104,007	9,952	56,593	7,340	106,681	11,383
Whitefish, ocean.....
Yellowtail.....
Miscellaneous fish.....	1,120	29	20	2	271	50	77	2

TABLE 39

The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1954

TABLE 39—Continued

The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1954

Species	Eureka region		Sacramento region		San Francisco region		Monterey region	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Crustacean:								
Crab.....	3,742,779	\$551,676	4,020,525	\$580,563	9,235	\$1,808
Crab, rock.....
Lobster, spiny.....
Prawn.....	744,768	52,804	2,480	992
Shrimp, bay.....	112,751	8,457
Shrimp, ocean.....	175,536	17,642
Mollusk:								
Abalone.....	13,553	1,594	1,000	118
Clam, gaper.....	1,098	110
Clam, jackknife.....
Clam, Washington.....	10,167	1,164	112	35
Mussel.....
Octopus.....	1,764	70	9,113	303	17,508	1,959
Oyster, eastern.....	124,928	29,096
Oyster, native.....	6,047	728
Oyster, Pacific.....	149,101	17,296
Snail, sea.....
Squid.....	2,930	194	7,474,932	161,460
Miscellaneous mollusk.....	32	5
Total pounds and value.....	27,781,680	\$2,894,784	2,236,873	\$380,765	20,140,531	\$2,450,228	26,772,436	\$1,762,393
Shipments:¹								
Barrauda, California.....
Bonito.....
Cabrilla.....
Corvina, shortfin.....
Halibut, California.....
Halibut, Pacific.....	20,803	\$4,747
Rockfish.....
Sabiefish.....	185,236	33,287
Salmon.....	90,625	30,033
Sardine.....	5,750	682
Sea bass, black.....
Seabass, white.....
Shark.....
Tuna, albacore.....	5,032,809	1,110,741	2,640	\$583
Tuna, bigeye.....	93,786	11,686
Tuna, bluefin.....
Tuna, oriental.....
Tuna, skipjack.....	160,048	23,783	434,110	61,123
Tuna, yellowfin.....	4,368,307	717,713	1,149,335	192,629
Yellowtail.....	1,230	517
Miscellaneous fish.....
Crustacean:								
Shrimp.....	100	8
Mollusk:								
Clam, Pismo.....
Total pounds and value.....	9,958,594	\$1,933,189	1,586,185	\$254,343
Grand totals..	27,781,680	\$2,894,784	2,236,873	\$380,765	30,099,125	\$4,383,417	28,355,621	\$2,016,736

TABLE 39

The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1954

TABLE 39—Continued

The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1954

Species	Santa Barbara region		Los Angeles region		San Diego region		Total	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Fishing boat landings:								
Anchovy.....	16,807,392	\$351,274	25,092,045	\$481,767	2,409	\$116	42,410,214	\$850,527
Barracuda, California.....	4,268	341	1,135,258	179,826	423,213	51,885	1,562,739	232,052
Bonito.....	2,445	171	873,078	79,713	1,443,537	99,893	2,319,060	179,777
Cabezon.....	251	16					6,212	195
Cabrilla.....			155,214	21,203	333	50	155,547	21,253
Carp.....			691	21	600	18	506,216	27,519
Croaker, white (King-fish).....	5,330	327	609,405	26,874	21,225	1,698	913,802	47,620
Dolphinfish, common.....			239	23			239	23
Flounder.....	15,086	752					500,550	23,110
Flyingfish.....			13,748	1,069			13,748	1,069
Grouper.....			507,401	85,447	14,919	2,244	522,320	87,691
Hake.....							611,522	8,692
Halfmoon.....			50,007	11,727			50,007	11,727
Halibut, California.....	193,116	43,316	237,259	49,112	186,828	35,945	661,331	138,378
Halibut, Pacific.....							90,682	19,005
Hardhead.....							94,081	39,502
Herring, Pacific.....	1,555	51					911,906	22,831
Lingcod.....	24,751	2,698	175	16	247	32	947,343	68,741
Mackerel, jack.....	2,762,423	112,707	8,325,350	335,511			17,333,547	661,209
Mackerel, Pacific.....	1,650,285	58,750	23,385,285	731,959	352,795	17,570	25,392,604	808,892
Midshipman.....	2,865	143					2,865	143
Needlefish, California.....							200	10
Opah.....			8,871	1,248	196	17	9,067	1,265
Perch.....	12,712	2,047					118,499	17,995
Pompano, California.....	379	95	6,765	1,712			44,602	13,734
Ratfish.....							11,287	111
Rock bass.....			2,156	336	987	135	3,143	471
Rockfish.....	580,010	30,741	671,708	65,155	33,619	3,837	12,640,729	552,626
Sablefish.....	21,372	1,472	2,250	176			2,357,531	172,829
Salmon.....	306,825	94,901	6,565	2,378	847	287	9,498,624	2,824,313
Sanddab.....	7,698	542	25,564	4,200	459	67	753,471	43,062
Sardine.....	24,433,317	950,457	111,038,900	2,731,557	1,020,101	17,138	136,504,017	3,700,540
Sargo, California.....			2,404	384			2,040	384
Sculpin.....			73,451	17,732	60,846	11,822	134,297	29,554
Sculpin, staghorn.....							3,215	161
Sea bass, black.....	720	86	317,118	42,462	32,438	4,153	350,276	46,701
Seabass, white.....	76,231	17,716	776,686	163,336	337,099	65,970	1,206,111	250,694
Shad.....							737,481	51,845
Shark.....	391,868	22,179	120,521	12,825	151,900	16,588	770,337	70,210
Sheep-head.....	11,874	978	3,681	261	13,629	1,293	29,184	2,532
Sierra.....			565	51			565	51
Skate.....	20,830	1,638	3,449	304	511	15	136,221	3,449
Smelt.....	7,324	338	92,637	4,633	1,576	132	608,609	38,642
Sole.....	852,901	74,629	2,249	294			19,732,179	1,144,770
Splittail.....							782	214
Swordfish.....	300	120	8,091	4,247	14,011	7,656	23,055	12,341
Tuna, albacore.....	811,450	147,117	9,934,273	2,035,533	10,304,752	2,112,474	26,107,290	5,248,377
Tuna, bluefin.....	107,952	18,675	19,371,562	3,273,793	1,545,306	261,002	21,024,820	3,553,470
Tuna, skipjack.....			85,561,737	12,954,501	68,191,453	10,390,406	153,756,190	23,344,907
Tuna, yellowfin.....			67,060,775	11,514,337	52,341,020	9,060,244	119,401,795	20,574,551
Turbot.....	15,682	784					175,918	5,314
Wahoo.....			5,363	1,877			5,363	1,877
Whitebait.....							267,281	28,675
Whitefish, ocean.....			2,122	200	1,512	141	3,634	341
Yellowtail.....			572,280	52,253	1,084,498	87,194	1,656,778	139,447
Miscellaneous fish.....	1,095	91	939	193	794	152	4,316	519

TABLE 39

The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1954

TABLE 39—Continued
The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1954

Species	Santa Barbara region		Los Angeles region		San Diego region		Total	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Crustacean:								
Crab.....	55,669	\$12,214					7,828,208	\$1,146,261
Crab, rock.....	1,808	45	18,417	\$1,945	18,833	\$544	39,058	2,534
Lobster, spiny.....	250,248	99,578	436,062	208,439	206,090	101,520	901,400	409,537
Prawn.....	215	129					2,695	1,121
Shrimp, bay.....							744,768	52,804
Shrimp, ocean.....	8,510	851					296,707	26,950
Mollusk:								
Abalone.....	1,533,966	177,328	2,243,856	174,571	307,150	23,313	4,099,525	376,924
Clam, gaper.....							1,098	110
Clam, jackknife.....					43,747	15,946	43,747	15,946
Clam, Washington.....							10,279	1,199
Mussel.....					466	33	466	33
Octopus.....	944	55	1,429	271			30,758	2,658
Oyster, eastern.....							124,928	29,096
Oyster, native.....							6,047	728
Oyster, Pacific.....	311,519	6,417					460,620	23,713
Snail, sea.....			336	14			336	14
Squid.....	200	5	627,182	14,802	49,801	762	8,155,105	177,223
Miscellaneous mollusk.....							32	5
Total pounds and value.....	51,302,287	\$2,231,774	359,387,755	\$35,290,288	138,209,747	\$22,392,292	625,831,309	\$67,402,524
Shipments:¹								
Barracuda, California.....			460	\$55	25,412	\$3,377	25,872	\$3,432
Bonito.....	1,555	93			2,346	164	3,901	257
Cabrilla.....	4,510	722					4,510	722
Corvina, shortfin.....	113	17					113	17
Halibut, California.....					808	121	808	121
Halibut, Pacific.....							20,803	4,747
Rockfish.....	9,812	1,130					9,812	1,130
Sablefish.....	262,151	47,109					447,387	80,396
Salmon.....	505,409	167,493					596,034	197,526
Sardine.....							5,750	682
Sea bass, black.....	49,071	7,493	10,306	1,357	59,377		59,377	8,850
Seabass, white.....			440	110			440	110
Shark.....	755	74					755	74
Tuna, albacore.....	28,915,367	5,817,772	4,515,567	965,463	38,466,383		38,466,383	7,894,559
Tuna, bigeye.....	68,951	\$8,591	1,087,200	135,465			1,249,937	155,742
Tuna, bluefin.....			187,261	26,527	451,025	75,687	638,286	102,214
Tuna, oriental.....			132,861	18,866			132,861	18,866
Tuna, skipjack.....	8,194,800	1,205,455	6,918,798	1,045,719	15,707,756		15,707,756	2,336,080
Tuna, yellowfin.....	50,000	8,430	20,018,037	3,347,176	4,116,219	719,146	29,701,898	4,985,094
Yellowtail.....			1,670	139	12,282	1,158	13,952	1,297
Miscellaneous fish.....			130,924	49,070			132,154	49,587
Crustacean:								
Shrimp.....							100	8
Mollusk:								
Clam, Pismo.....			356,048	7,477			356,048	7,477
Total pounds and value.....	118,951	\$17,021	59,858,004	\$10,832,133	16,053,203	\$2,812,302	87,574,937	\$15,848,988
Grand totals..	51,421,238	\$2,248,795	419,245,759	\$46,122,421	154,262,950	\$25,204,594	713,406,246	\$83,251,512

¹ See Table 29 for origin of shipments.

TABLE 39
The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1954

TABLE 40
Landings of the Commercial Fishing Boats in the Eureka Region During 1954, Shown by Port of Landing With the Corresponding Values

		Value	Pounds
Eureka region totals.....		\$2,894,784	27,781,680
Eureka.....	Sole.....	\$351,569	6,415,484
	Salmon.....	321,955	1,057,322
	Crab.....	111,727	757,983
	Sablefish.....	40,220	402,197
	Rockfish.....	33,866	1,048,884
	Albacore.....	30,735	169,903
	Pacific halibut.....	12,433	61,396
	Lingcod.....	9,760	144,386
	All other.....	22,980	335,863
	Totals.....	\$935,245	10,393,018
Fort Bragg.....	Salmon.....	\$509,922	1,674,622
	Sole.....	162,286	2,961,425
	Sablefish.....	65,330	655,296
	Crab.....	47,860	324,697
	Albacore.....	32,897	181,553
	Rockfish.....	29,145	902,330
	Lingcod.....	16,685	246,813
	All other.....	5,735	92,910
	Totals.....	\$869,860	7,037,946
Crescent City.....	Crab.....	\$303,614	2,059,856
	Salmon.....	247,886	814,077
	Sole.....	30,134	549,894
	Ocean shrimp.....	17,534	174,466
	Lingcod.....	6,038	89,316
	All other.....	10,681	208,202
	Totals.....	\$615,887	3,895,811
Fields Landing.....	Sole.....	\$184,241	3,362,069
	Salmon.....	63,972	210,089
	Rockfish.....	36,276	1,123,084
	Crab.....	26,725	181,311
	Sablefish.....	23,394	233,942
	Lingcod.....	6,770	100,147
	Hake.....	6,362	424,150
	All other.....	8,532	194,117
	Totals.....	\$356,272	5,829,209
Trinidad.....	Crab.....	\$61,741	418,868
	Salmon.....	7,711	25,324
	All other.....	28	398
	Totals.....	\$69,480	444,590
Point Arena.....	Salmon.....	\$36,415	119,588
	Lingcod.....	39	581
	Totals.....	\$36,454	120,169
Shelter Cove.....	Salmon.....	\$8,491	27,886
	All other.....	98	2,228
	Totals.....	\$8,589	30,114
All other ports.....	All other.....	\$2,997	30,823
	Totals.....	\$2,997	30,823

TABLE 40
Landings of the Commercial Fishing Boats in the Eureka Region During 1954, Shown by Port of Landing With the Corresponding Values

TABLE 41
Landings of the Commercial Fishing Boats in the Sacramento Region During 1954, Shown by Port of Landing With the Corresponding Values

		Value	Pounds
Sacramento region totals.....		\$380,765	2,236,873
Pittsburg.....	Salmon.....	\$152,228	522,940
	Shad.....	43,060	612,514
	All other.....	1,055	18,766
	Totals.....	\$196,343	1,154,220
Turlock.....	Hardhead.....	\$34,619	82,525
	Carp.....	21,744	399,703
	All other.....	2	20
	Totals.....	\$56,365	482,248
Martinez.....	Salmon.....	\$48,951	168,158
	Shad.....	5,501	78,248
	Totals.....	\$54,452	246,406
	Salmon.....	\$33,405	114,756
Benicia.....	Shad.....	3,289	46,505
	Carp.....	2	37
	Totals.....	\$36,676	161,298
	Salmon.....	\$27,686	95,107
Sacramento.....	Hardhead.....	4,363	10,400
	All other.....	226	1,644
	Totals.....	\$32,275	107,151
	Carp.....	\$4,654	85,550
Antioch.....	Totals.....	\$4,654	85,550

TABLE 41
Landings of the Commercial Fishing Boats in the Sacramento Region During 1954, Shown by Port of Landing With the Corresponding Values

TABLE 42

*Landings of the Commercial Fishing Boats and Shipments Into the San Francisco Region During 1954,
Shown by Port of Landing With the Corresponding Values*

		Value	Pounds
San Francisco region totals.....		\$4,383,417	30,099,125
San Francisco.....			
Albacore.....	\$1,304,096	6,025,902	
Yellowfin tuna.....	717,713	4,368,307	
Salmon.....	409,544	1,380,163	
Crab.....	359,902	2,492,395	
Sole.....	213,188	3,607,235	
Rockfish.....	66,879	1,732,614	
Sablefish.....	43,580	530,624	
Skipjack.....	23,783	160,048	
Bay shrimp.....	17,638	248,778	
Sanddab.....	14,236	307,472	
Shark.....	13,228	46,974	
Bigeye tuna.....	11,686	93,736	
Smelt.....	11,335	168,669	
Lingcod.....	10,416	148,379	
Anchovy.....	10,366	261,759	
Pacific halibut.....	9,307	40,785	
Pacific herring.....	6,253	349,331	
All other.....	21,419	331,665	
Totals.....	\$3,264,569	22,294,886	
Point Reyes (Drakes Bay).....			
Salmon.....	\$355,134	1,206,706	
Crab.....	56,775	393,181	
Sole.....	33,129	560,555	
Rockfish.....	12,433	322,087	
All other.....	11,484	197,854	
Totals.....	\$468,955	2,680,383	
Bodega Bay.....			
Salmon.....	\$222,227	755,104	
Crab.....	84,213	583,192	
Sole.....	35,921	607,803	
Rockfish.....	35,742	925,963	
Smelt.....	7,792	115,945	
Ocean shrimp.....	7,203	96,036	
Whitebait.....	4,593	35,413	
All other.....	10,155	181,742	
Totals.....	\$407,846	3,301,198	
Sausalito.....			
Albacore.....	\$33,457	171,837	
Crab.....	32,523	225,230	
Salmon.....	3,454	11,737	
All other.....	1,205	21,620	
Totals.....	\$70,639	430,424	
Tomales Bay (Marshall).....			
Eastern oyster.....	\$29,096	124,928	
Pacific oyster.....	16,299	140,506	
Pacific herring.....	2,252	125,830	
All other.....	4,937	38,720	
Totals.....	\$52,584	429,984	
Princeton.....			
Crab.....	\$25,480	176,457	
Salmon.....	22,947	77,970	
All other.....	1,982	19,888	
Totals.....	\$50,409	274,315	

TABLE 42

*Landings of the Commercial Fishing Boats and Shipments into the San Francisco Region During 1954, Shown by
Port of Landing With the Corresponding Values*

TABLE 42—Continued

*Landings of the Commercial Fishing Boats and Shipments Into the San Francisco Region During 1954,
Shown by Port of Landing With the Corresponding Values*

		Value	Pounds
Richmond.....	Bay shrimp.....	\$29,474	415,711
	All other.....	376	4,530
	Totals.....	\$29,850	420,241
Oakland.....	Crab.....	\$15,058	104,282
	All other.....	6,213	53,981
	Totals.....	\$21,271	158,263
Berkeley.....	Salmon.....	\$8,250	28,034
	Crab.....	5,831	40,381
	All other.....	88	476
	Totals.....	\$14,169	68,891
All other ports.....	All other.....	\$3,125	40,540
	Totals.....	\$3,125	40,540

TABLE 42

*Landings of the Commercial Fishing Boats and Shipments into the San Francisco Region During 1954, Shown by
Port of Landing With the Corresponding Values*

TABLE 43

Landings of the Commercial Fishing Boats and Shipments Into the Monterey Region During 1954, Shown by Port of Landing With the Corresponding Values

		Value	Pounds
Monterey region totals.....		\$2,016,736	28,358,621
Monterey.....			
Rockfish.....	\$200,913	4,435,158	
Yellowfin tuna.....	192,629	1,149,335	
Salmon.....	169,281	582,122	
Jack mackerel.....	161,385	4,747,348	
Albacore.....	152,716	815,317	
Squid.....	137,819	6,380,497	
Skipjack.....	61,123	434,110	
Sole.....	28,124	383,157	
White croaker (Kingfish).....	10,468	153,263	
Sablefish.....	9,700	212,260	
Lingcod.....	8,044	83,190	
Sanddab.....	6,993	106,439	
Pacific herring.....	6,418	195,085	
All other.....	39,920	631,238	
Totals.....	\$1,186,033	20,308,519	
Moss Landing.....			
Albacore.....	\$475,043	2,553,648	
Salmon.....	55,347	190,328	
Jack mackerel.....	47,636	1,396,060	
Squid.....	23,202	1,074,150	
Pacific herring.....	4,609	140,100	
White croaker (Kingfish).....	3,847	56,329	
All other.....	10,439	192,367	
Totals.....	\$623,123	5,603,882	
Santa Cruz.....			
Salmon.....	\$58,699	201,853	
Rockfish.....	32,008	706,569	
Albacore.....	28,595	152,753	
Sole.....	28,562	389,129	
Sablefish.....	18,193	398,107	
California pompano.....	6,186	19,428	
All other.....	35,337	578,381	
Totals.....	\$207,550	2,446,220	

TABLE 43

Landings of the Commercial Fishing Boats and Shipments Into the Monterey Region During 1954, Shown by Port of Landing With the Corresponding Values

TABLE 44

*Landings of the Commercial Fishing Boats and Shipments Into the Santa Barbara Region During 1954,
Shown by Port of Landing With the Corresponding Values*

		Value	Pounds
Santa Barbara region totals.....		\$2,248,795	51,421,238
Port Hueneme.....			
Sardine.....	\$688,106	17,689,108	
Anchovy.....	201,105	9,622,272	
Jack mackerel.....	96,795	2,372,435	
Pacific mackerel.....	31,221	87,002	
Abalone.....	11,491	99,400	
Bluefin tuna.....	7,876	45,528	
California halibut.....	7,008	31,244	
White seabass.....	4,107	17,673	
All other.....	1,587	13,232	
Totals.....	\$1,049,296	30,767,894	
Santa Barbara.....			
Sardine.....	\$196,243	5,044,799	
Anchovy.....	125,224	5,991,585	
Spiny lobster.....	98,570	256,626	
Abalone.....	78,024	674,952	
California halibut.....	28,505	127,086	
Jack mackerel.....	15,360	376,460	
Sole.....	15,031	171,784	
White seabass.....	13,410	57,704	
Bluefin tuna.....	10,799	62,424	
Pacific mackerel.....	8,666	243,440	
Shark.....	4,420	78,092	
Albacore.....	4,255	23,467	
Rockfish.....	4,042	76,256	
All other.....	3,663	31,072	
Totals.....	\$606,212	13,215,747	
Port San Luis (Avila, Grover City).....			
Salmon.....	\$66,149	213,867	
Sardine.....	60,383	1,532,250	
Anchovy.....	24,934	1,193,000	
Sole.....	24,807	283,509	
Albacore.....	21,974	121,200	
Shark.....	17,355	306,632	
Abalone.....	10,392	89,897	
Pacific mackerel.....	9,322	261,850	
Bigeye tuna.....	8,591	68,951	
Yellowfin tuna.....	8,430	50,000	
California halibut.....	7,568	33,739	
Crab.....	5,222	23,800	
Rockfish.....	5,060	95,475	
All other.....	7,106	90,593	
Totals.....	\$277,293	4,384,763	
Morro Bay.....			
Albacore.....	\$120,888	666,783	
Sole.....	34,791	397,608	
Salmon.....	28,675	92,710	
Rockfish.....	21,493	405,526	
Abalone.....	20,599	178,189	
Pacific mackerel.....	9,541	267,993	
Pacific oyster.....	6,417	311,519	
Sardine.....	5,725	147,160	
Crab.....	5,313	24,218	
All other.....	5,730	69,000	
Totals.....	\$259,172	2,561,306	

TABLE 44

*Landings of the Commercial Fishing Boats and Shipments Into the Sanfa Barbara Region During 1954, Shown by
Port of Landing With the Corresponding Values*

TABLE 44—Continued

**Landings of the Commercial Fishing Boats and Shipments Into the Santa Barbara Region During 1954,
Shown by Port of Landing With the Corresponding Values**

		Value	Pounds
San Simeon.....	Abalone.....	\$49,980	432,350
	Totals.....	\$49,980	432,350
Gaviota.....	Abalone.....	\$6,311	54,591
	Totals.....	\$6,311	54,591
All other ports.....	Abalone.....	\$531	4,587
	Totals.....	\$531	4,587

TABLE 44

*Landings of the Commercial Fishing Boats and Shipments Into the Sanfa Barbara Region During 1954, Shown by
Port of Landing With the Corresponding Values*

TABLE 45

*Landings of the Commercial Fishing Boats and Shipments Into the Los Angeles Region During 1954,
Shown by Port of Landing With the Corresponding Values*

		Value	Pounds
Los Angeles region totals.....		\$46,122,421	419,245,759
Terminal Island.....			
Yellowfin tuna.....	\$14,467,799	84,781,059	
Skipjack.....	13,921,446	92,184,172	
Albacore.....	7,654,237	37,875,612	
Bluefin tuna.....	5,022,373	17,914,161	
Sardine.....	2,509,898	102,028,382	
Pacific mackerel.....	293,662	9,382,188	
Jack mackerel.....	182,478	4,528,000	
Bigeye tuna.....	135,465	1,087,200	
Anchovy.....	101,506	5,286,764	
Bonito.....	74,859	819,918	
Yellowtail.....	23,448	256,826	
Oriental tuna.....	18,866	132,861	
Squid.....	472	20,000	
Totals.....	\$42,406,509	356,298,043	
San Pedro.....			
California barracuda.....	\$165,958	1,047,715	
White seabass.....	152,326	724,329	
Bluefin tuna.....	107,549	636,386	
Grouper.....	71,215	422,892	
Abalone.....	67,733	870,606	
Spiny lobster.....	63,994	133,878	
Sardine.....	59,208	2,406,845	
Pacific mackerel.....	44,434	1,419,610	
California halibut.....	44,045	212,779	
Rockfish.....	40,841	421,042	
Black sea bass.....	38,041	284,103	
Anchovy.....	29,602	1,541,793	
Sculpin.....	15,136	62,701	
White croaker (Kingfish).....	15,087	342,105	
Cabrilla.....	15,016	109,926	
Yellowfin tuna.....	14,314	83,364	
Yellowtail.....	12,189	133,465	
Halfmoon.....	10,674	45,516	
Jack mackerel.....	9,952	246,943	
Albacore.....	8,789	42,893	
Shark.....	8,543	80,289	
All other.....	19,055	316,630	
Totals.....	\$1,013,701	11,585,810	
Long Beach.....			
Yellowfin tuna.....	\$209,980	1,226,775	
Anchovy.....	152,015	7,917,464	
Skipjack.....	102,154	674,732	
Pacific mackerel.....	96,214	3,073,927	
Sardine.....	87,050	3,538,622	
Spiny lobster.....	52,064	108,921	
Jack mackerel.....	51,479	1,277,403	
Bluefin tuna.....	48,067	284,423	
Albacore.....	25,102	123,551	
Yellowtail.....	16,169	177,241	
Rockfish.....	13,420	136,516	
Squid.....	10,328	437,644	
Black sea bass.....	8,770	58,606	
White croaker (Kingfish).....	8,041	182,344	
Pismo clam.....	7,477	356,048	
Grouper.....	6,139	36,452	
All other.....	13,040	91,799	
Totals.....	\$907,509	19,702,468	

TABLE 45

*Landings of the Commercial Fishing Boats and Shipments into the Los Angeles Region During 1954, Shown by Port
of Landing With the Corresponding Values*

TABLE 45—Continued

*Landings of the Commercial Fishing Boats and Shipments Into the Los Angeles Region During 1954,
Shown by Port of Landing With the Corresponding Values*

		Value	Pounds
Wilmington.....	Yellowfin tuna.....	\$169,398	986,590
	Skipjack.....	136,356	900,633
	Anchovy.....	131,269	6,836,920
	Bluefin tuna.....	101,048	597,920
	Jack mackerel.....	85,363	2,118,200
	Pacific mackerel.....	47,929	1,531,280
	Albacore.....	16,342	81,203
	Sardine.....	5,855	238,015
	All other.....	8,600	123,612
	Totals.....	\$702,160	13,414,373
Newport Beach.....	Pacific mackerel.....	\$234,798	7,501,543
	Albacore.....	146,534	715,147
	Abalone.....	101,939	1,310,271
	Anchovy.....	40,086	2,087,799
	Spiny lobster.....	27,025	56,538
	Sardine.....	23,613	959,859
	Grouper.....	8,093	48,057
	White seabass.....	8,033	38,198
	California barracuda.....	5,087	32,116
	All other.....	25,428	169,823
	Totals.....	\$620,636	12,919,351
Los Angeles.....	Salmon.....	\$167,493	505,409
	Sablefish.....	47,109	262,151
	All other.....	49,091	131,615
	Totals.....	\$263,693	899,175
Santa Monica.....	Sardine.....	\$45,933	1,867,177
	Spiny lobster.....	39,922	83,518
	Anchovy.....	27,094	1,411,165
	Bluefin tuna.....	20,184	119,430
	Pacific mackerel.....	14,846	474,298
	Jack mackerel.....	6,238	154,782
	California barracuda.....	6,106	38,845
	Rockfish.....	4,044	41,689
	All other.....	6,698	60,452
	Totals.....	\$171,065	4,251,056
Catalina Island.....	Spiny lobster.....	\$6,974	14,590
	All other.....	2,780	17,509
	Totals.....	\$9,754	32,099
Dana Point.....	Spiny lobster.....	\$6,909	14,453
	All other.....	1,604	17,451
	Totals.....	\$8,513	31,904
All other ports.....	Spiny lobster.....	\$10,976	22,962
	All other.....	7,905	88,518
	Totals.....	\$18,881	111,480

TABLE 45

*Landings of the Commercial Fishing Boats and Shipments into the Los Angeles Region During 1954, Shown by Port
of Landing With the Corresponding Values*

TABLE 46

Landings of the Commercial Fishing Boats and Shipments Into the San Diego Region During 1954, Shown by Port of Landing With the Corresponding Values

		Value	Pounds
San Diego region totals.....		\$25,204,594	154,262,950
San Diego.....	Skipjack.....	\$11,436,125	75,110,251
	Yellowfin tuna.....	9,779,390	56,457,239
	Albacore.....	3,077,875	14,820,015
	Bluefin tuna.....	336,689	1,996,331
	Bonito.....	100,057	1,445,883
	Yellowtail.....	88,350	1,098,757
	Spiny lobster.....	84,770	172,086
	White seabass.....	62,516	319,324
	California barracuda.....	54,715	444,156
	California halibut.....	34,484	179,411
	Abalone.....	23,313	307,150
	Pacific mackerel.....	17,566	352,729
	Sardine.....	17,138	1,020,101
	Shark.....	16,518	151,265
	Sculpin.....	11,810	60,784
	Swordfish.....	7,656	14,011
	Jackknife clam.....	6,771	18,577
	Black sea bass.....	5,411	41,976
	All other.....	9,892	105,071
	Totals.....	\$25,171,046	154,113,117
Encinitas.....	Spiny lobster.....	\$12,423	25,220
	All other.....	1,519	8,944
	Totals.....	\$13,942	34,164
Mission Beach.....	Jackknife clam.....	\$9,035	24,787
	Totals.....	\$9,035	24,787
La Jolla.....	Spiny lobster.....	\$4,082	8,287
	All other.....	98	936
	Totals.....	\$4,180	9,223
All other ports.....	All other.....	\$6,391	81,659
	Totals.....	\$6,391	81,659

TABLE 46

Landings of the Commercial Fishing Boats and Shipments Into the San Diego Region During 1954, Shown by Port of Landing With the Corresponding Values

TABLE 47
The Recorded State-wide Catch, in Numbers of Fish, Made by Anglers Fishing From
Licensed Party Boats¹ and the Number of Angler Days

Species	1947	1948	1949	1950	1951	1952	1953	1954
Albacore-----	11,445	15,414	22,692	118,087	75,924	187,267	23,363	20,098
Barracuda, California-----	677,449	384,056	366,423	256,367	269,545	336,862	170,550	282,552
Halibut, California-----	104,436	143,462	104,639	85,935	59,295	34,158	34,292	59,674
Rock bass ² -----	682,789	630,223	796,959	619,397	781,609	535,832	711,395	876,667
Rockfish-----	193,652	410,665	570,637	679,164	721,808	706,004	696,480	1,149,367
Salmon-----	5,018	11,209	23,057	56,337	71,970	86,472	98,723	119,911
Seabass, white-----	20,724	24,078	65,545	54,718	44,367	41,043	28,182	41,588
Yellowtail-----	6,948	13,028	17,710	6,971	23,721	59,263	27,702	40,872
All other-----	367,971	477,884	372,132	313,437	302,405	318,974	489,471	683,808
Total number of fish-----	2,070,432	2,110,019	2,339,794	2,190,413	2,350,644	2,305,875	2,280,158	3,274,537
Number of anglerdays-----	359,436	407,757	469,915	544,264	556,949	562,898	502,146	532,190

¹Does not include barges.

²Rock bass includes two species, kelp bass (*Paralabrax clathratus*) and sand bass (*P. nebulosus*).

TABLE 47
The Recorded State-wide Catch, in Numbers of Fish, Made by Anglers Fishing From Licensed Party Boats and the
Number of Angler Days

TABLE 48

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

Species	1950	1951	1952	1953	1954
Anchovy-----	7,647,640	10,283,730	13,620,879	12,783,016	13,372,042
Croaker, white (Kingfish)-----	48,545	79,458	189,171	47,992	56,650
Mackerel, jack-----	433	-----	33,126	1,414	405
Queenfish-----	232,618	204,097	233,545	94,411	67,258
Sardine-----	3,093,587	2,607,234	227,571	19,865	137,563
Sardine, "firecrackers"-----	4,251	3,797	25,649	11,345	2,880
Smelt-----	30,824	50,181	28,299	19,704	26,187
Other species-----	-----	-----	6,464	-----	8,786
Total pounds-----	11,057,898	13,228,497	14,364,704	12,977,747	13,671,771
Number of boats reporting-----	25	22	24	30	23

TABLE 48
The Recorded Catch of Live Bait in Southern California Made by the Vessels Supplying the Party Boat Fleet
(Pounds)