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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

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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

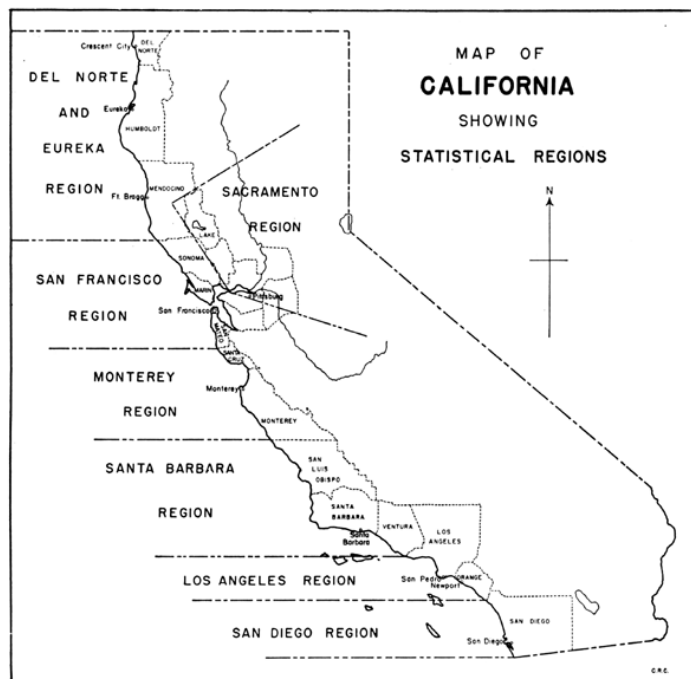


FIGURE 1

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

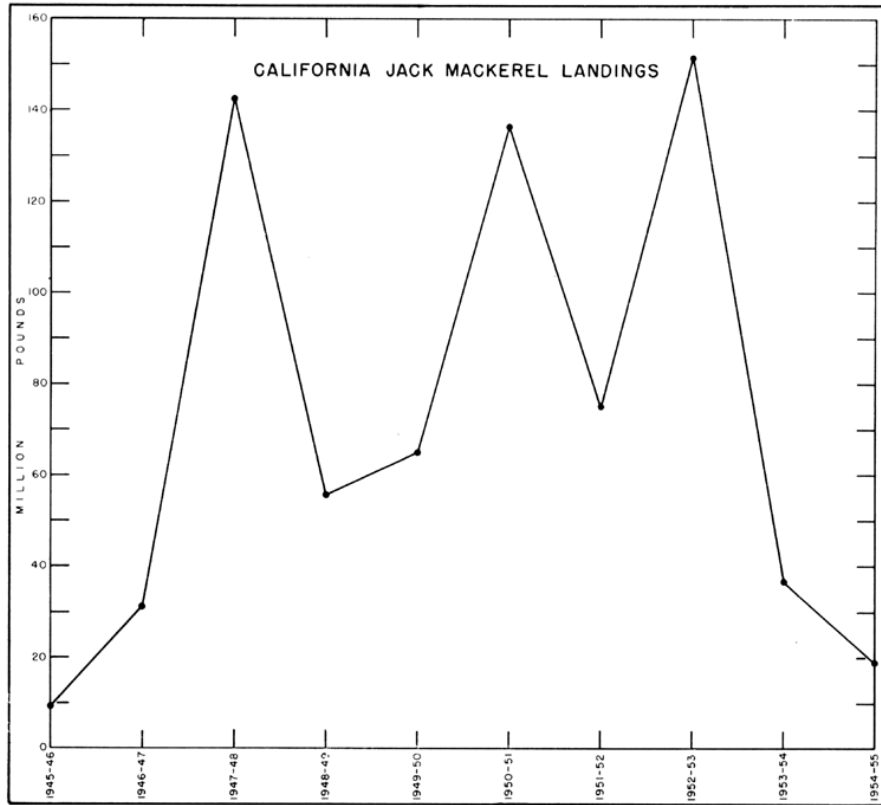


FIGURE 2. California jack mackerel landings by season, 1945-46 through 1954-55.

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	%	Tons	%	Tons	%	Tons	%	Tons	%	Tons	%	Tons	%	
Pt. Arena	801-821	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bodega Head	422-445	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
San Francisco	446-471	..	..	..	..	..	..	..	..	..	..	..	..	1	0.0	1	0.0	..	..
Pigeon Pt.	472-506	151	1.0	9	0.0	2,718	4.1	1	0.0
Monterey	507-531	3,393	22.7	712	1.1	4,277	15.8	1,492	4.7	13,430	20.2	234	.6	88	.1	322	2.5	1,880	23.5	
Pt. Sur	532-552	..	..	..	..	..	..	140	.4	40	.1	..	..	..	..	2	0.0	2	0.0
Piedras Blancas	553-596	149	1.0	..	..	..	..	30	.1	..	..	..	..	..	2	0.0	..	..	..
Pt. Buchon	607-630	..	..	36	.1	..	..	284	.9	..	..	..	..	..	..	..	..	..	..
Pt. Sal	631-648	..	..	..	..	..	..	139	.4	68	.1	90	.1	..	..	91	.5	..	..
Santa Barbara	651-657, 665-671	32	.2	1,129	1.7	43	.2	843	2.7	686	1.0	917	2.5	1,310	1.9	49	.3	27	.3	
Pt. Harmer	684, 689-683, 703-706, 727-728	3,077	20.6	20,000	29.8	3,412	12.6	3,870	12.2	17,882	16.4	5,428	15.1	673	.9	2,263	13.0	117	1.5	
Santa Cruz Island	684-698, 707-713, 726-732	2,267	15.2	12,149	18.1	3,211	19.3	11,335	35.8	21,673	32.5	17,139	47.6	4,192	5.8	2,392	13.3	1,749	21.8	
Pt. Vicente	679, 701, 702, 718-721, 727-742	1,559	10.4	4,714	7.0	1,962	6.9	1,193	3.5	4,481	6.7	2,984	8.3	561	.8	41	.2	33	.4	
Oceanide	756-758, 801-804, 821-822	2,638	17.7	11,858	17.7	5,296	19.6	2,503	7.9	1,670	1.6	1,174	3.3	1,441	2.0	3,295	19.6	5	.1	
Santa Catalina Island	759-762, 805-808	325	2.2	1,618	2.5	263	1.0	411	1.3	477	.7	77	.2	495	.7	227	1.3	42	.5	
Santa Barbara Island	743-745, 763-765, 809-811	80	.5	303	.5	72	.3	182	.5	891	1.2	189	.5	827	.7	..	..	182	1.9
San Nicolas Island	746-749, 769-769, 812-815, 823-830	25	.2	399	.6	130	.5	132	.4	670	1.0	34	.1	422	.6	13	.1	..	..
San Diego	842-846, 860-864, 877-882	415	2.8	1,419	6.6	333	1.3	3,618	11.4	3,431	5.2	3,673	8.5	11,957	16.5	1,926	10.5	3,265	40.8	
San Clemente Island	826-832, 847-853, 865-869	..	..	..	..	..	..	..	..	13	0.0	12	0.0	48,683	67.1	3,492	19.6	57	.7
Tanner and Carter Banks	834, 835, 870-873, 888-891, 892	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Totals	.....	14,930	100.1	67,151	100.3	27,002	100.0	31,792	100.3	66,535	99.9	36,023	100.0	72,878	100.1	17,333	100.0	8,011	100.0
Tons of unknown origin not included above	.....	643		4,179		793		701		1,633		1,473		3,173		1,014		1,492	
Total Stragglers/Catch	15,573		71,330		27,794		32,493		68,168		37,496		76,051		18,347		9,503		

THE MARINE FISH CATCH OF CALIFORNIA

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TABLE 1
Jack Mackerel Catch by General Fishing Areas

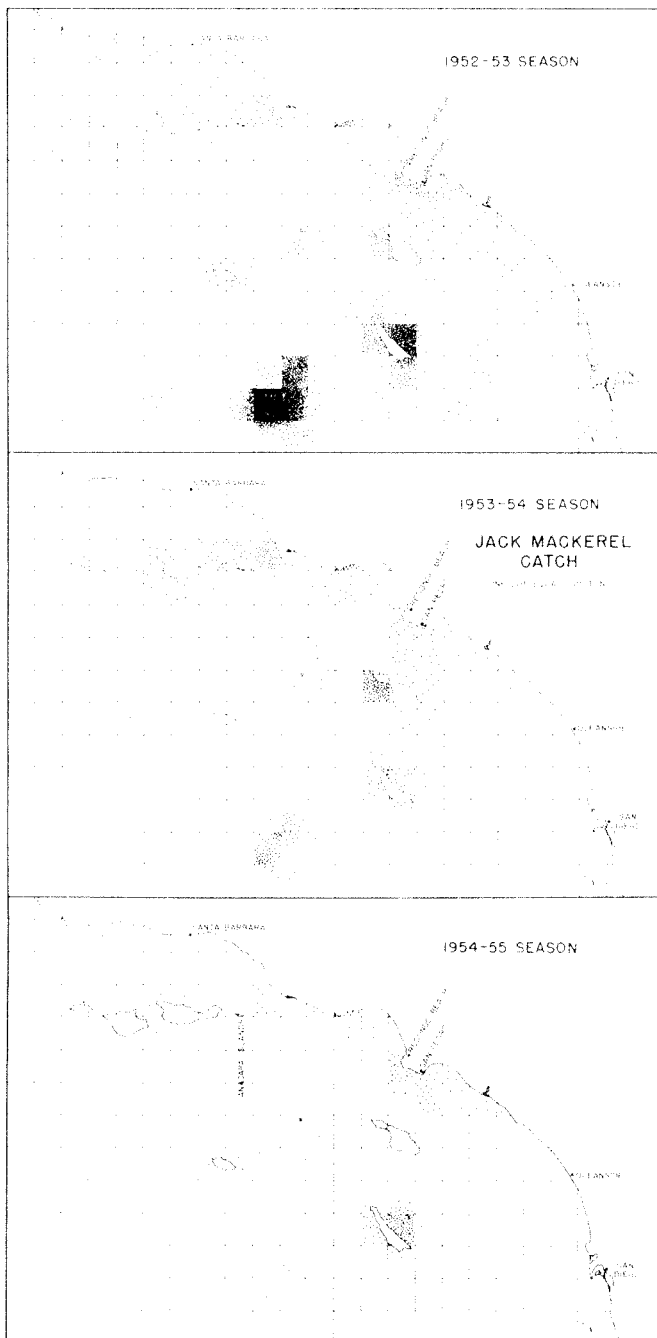
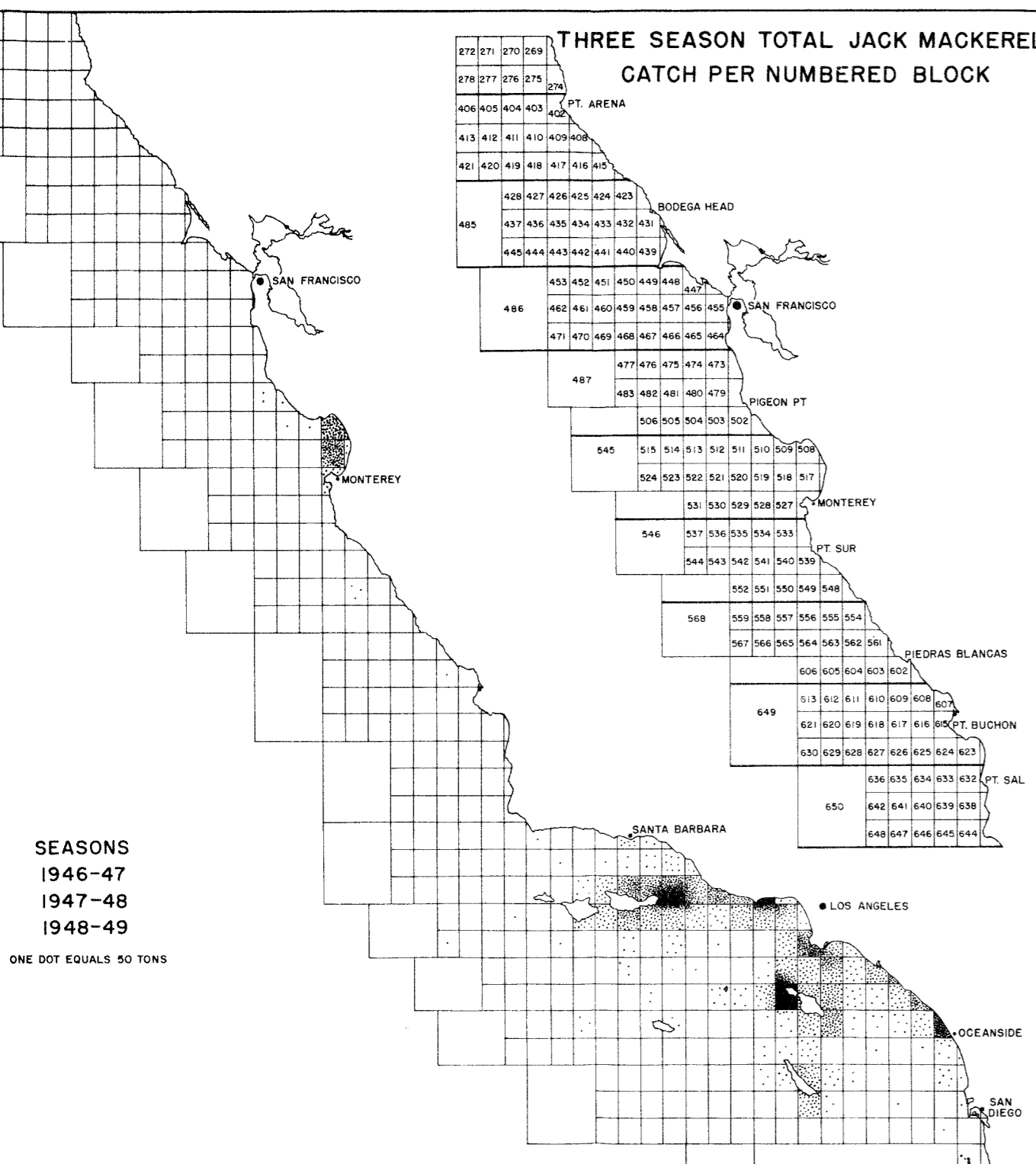


FIGURE 3. Three-season Southern California jack mackerel catch.

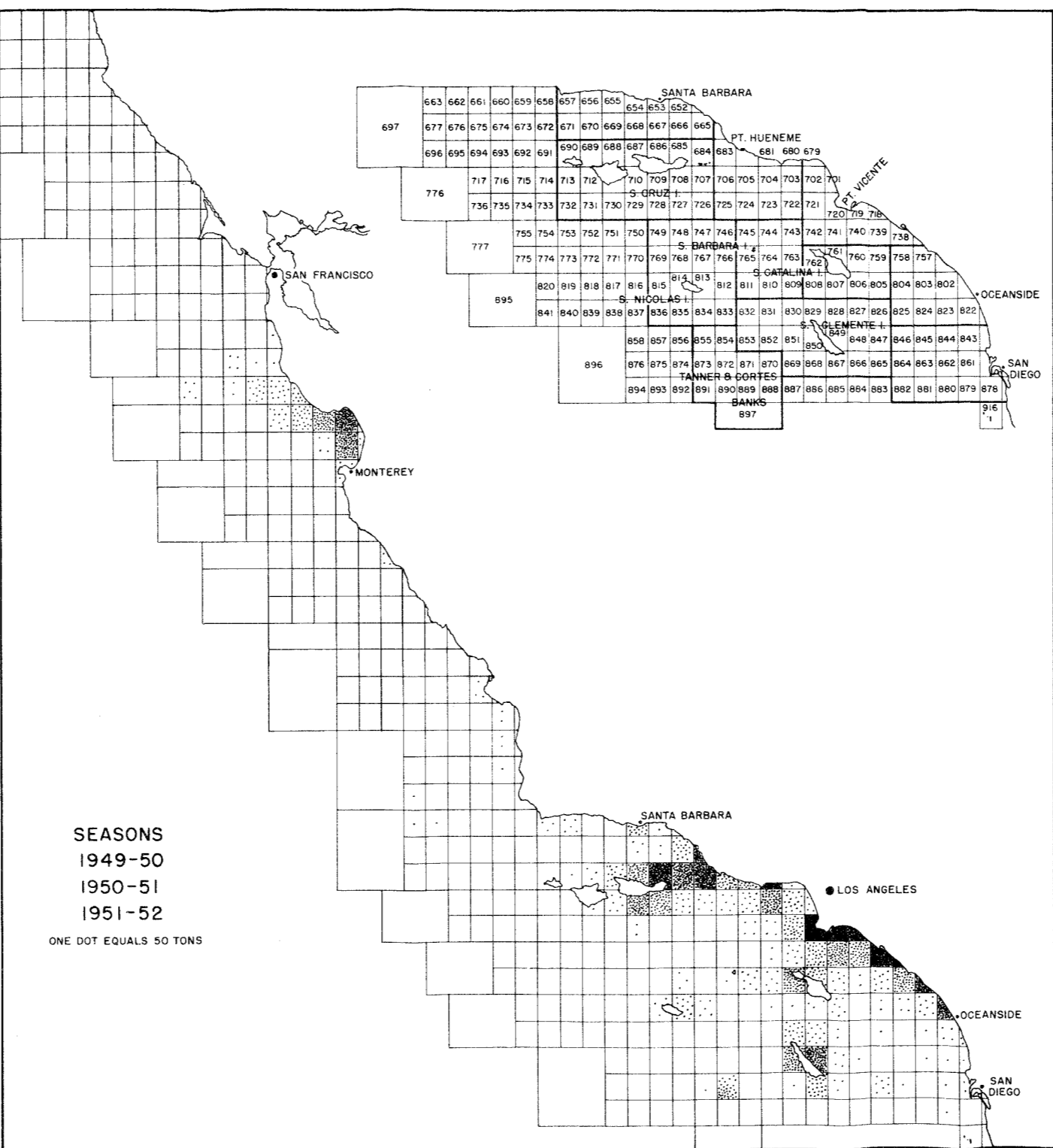
THREE SEASON TOTAL JACK MACKEREL
CATCH PER NUMBERED BLOCK

272	271	270	269
278	277	276	275
406	405	404	403
413	412	411	410
421	420	419	418
428	427	426	425
437	436	435	434
445	444	443	442
453	452	451	450
462	461	460	459
471	470	469	468
477	476	475	474
483	482	481	480
506	505	504	503
515	514	513	512
524	523	522	521
531	530	529	528
537	536	535	534
544	543	542	541
552	551	550	549
559	558	557	556
567	566	565	564
606	605	604	603
613	612	611	610
621	620	619	618
630	629	628	627
636	635	634	633
642	641	640	639
648	647	646	645

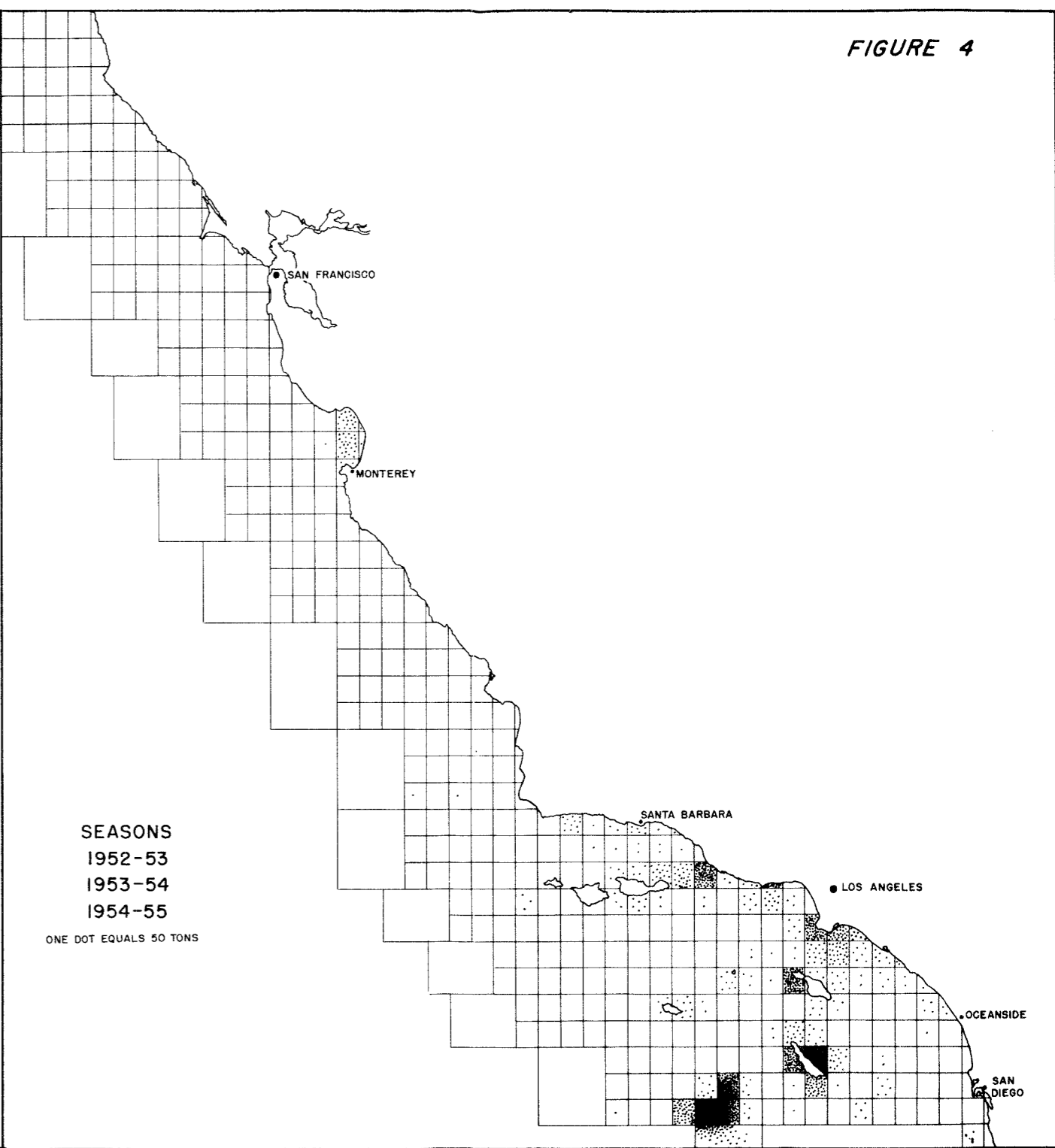
SEASONS
1946-47
1947-48
1948-49
ONE DOT EQUALS 50 TONS



SEASONS
1949-50
1950-51
1951-52
ONE DOT EQUALS 50 TONS



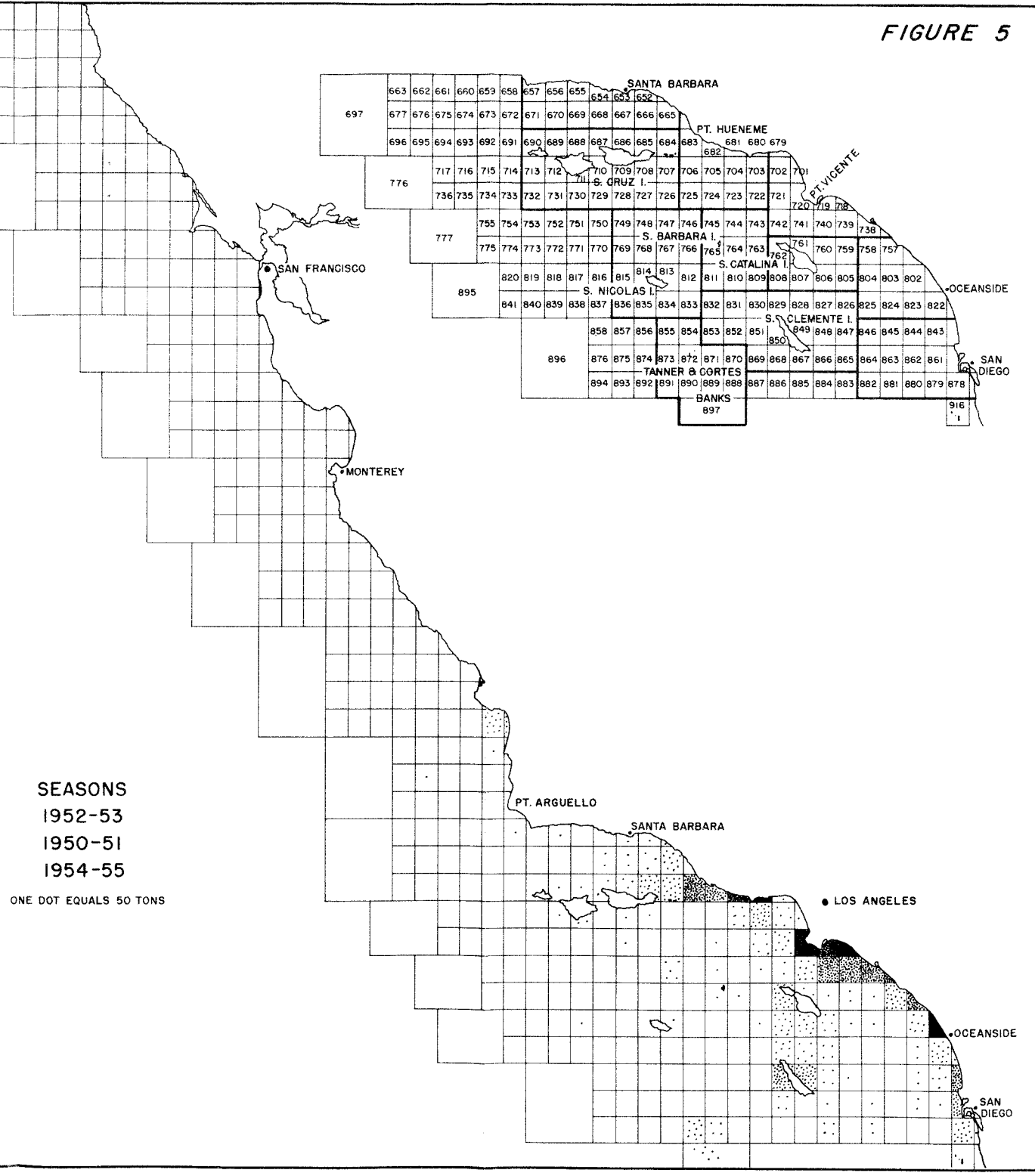
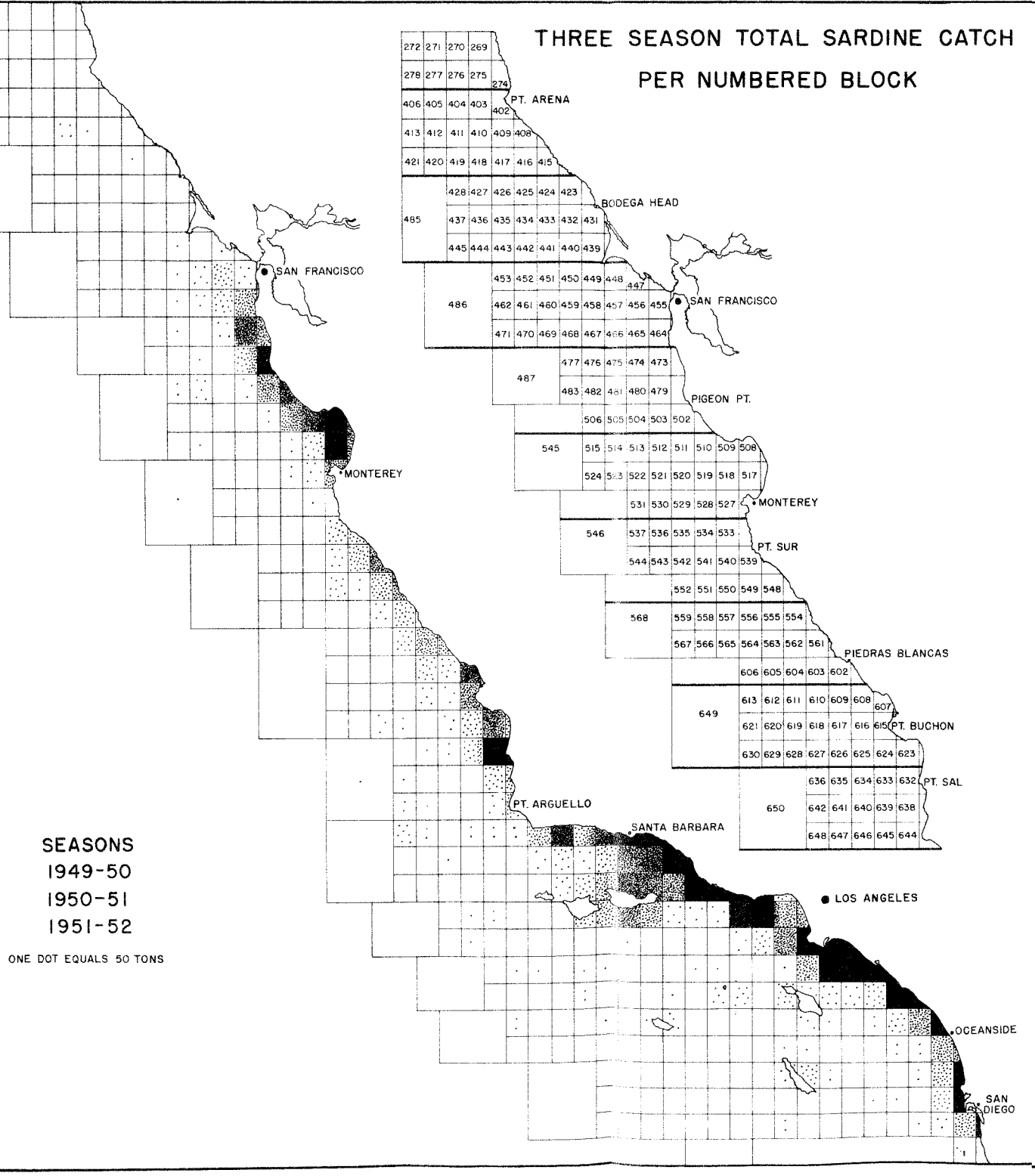
SEASONS
1952-53
1953-54
1954-55
ONE DOT EQUALS 50 TONS



663	662	661	660	659	658	657	656	655	654	653	652
677	676	675	674	673	672	671	670	669	668	667	666
696	695	694	693	692	691	690	689	688	687	686	685
717	716	715	714	713	712	710	709	708	707	706	705
736	735	734	733	732	731	730	729	728	727	726	725
755	754	753	752	751	750	749	748	747	746	745	744
775	774	773	772	771	770	769	768	767	766	765	764
820	819	818	817	816	815	814	813	812	811	810	809
841	840	839	838	837	836	835	834	833	832	831	830
858	857	856	855	854	853	852	851	850	849	848	847
876	875	874	873	872	871	870	869	868	867	866	865
894	893	892	891	890	889	888	887	886	885	884	883

FIGURE 5

THREE SEASON TOTAL SARDINE CATCH
PER NUMBERED BLOCK



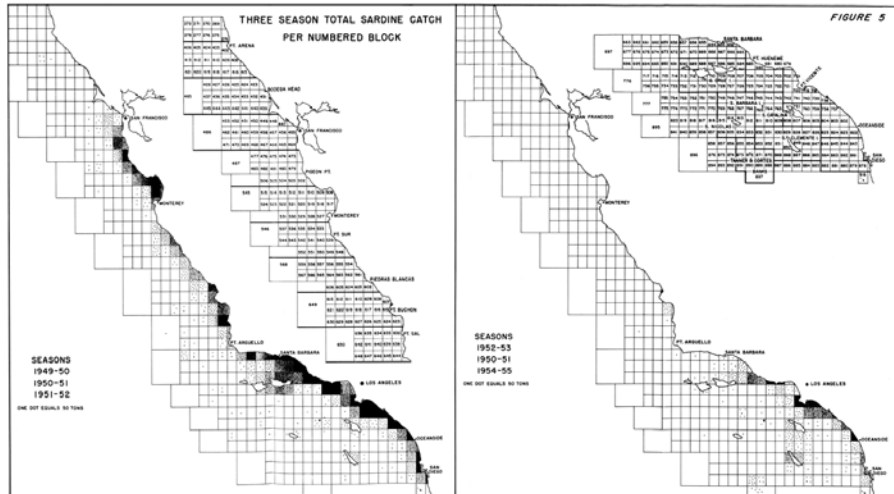


FIGURE 5

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).

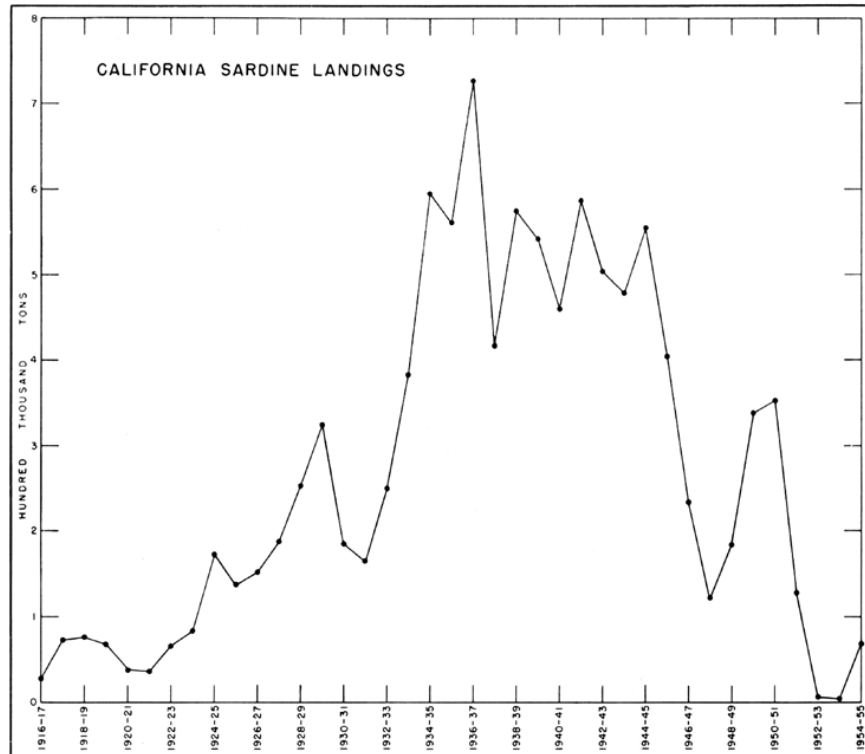


FIGURE 6. California sardine landings by season, 1916-17 through 1954-55. Includes deliveries to reduction ships 1930-38.

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

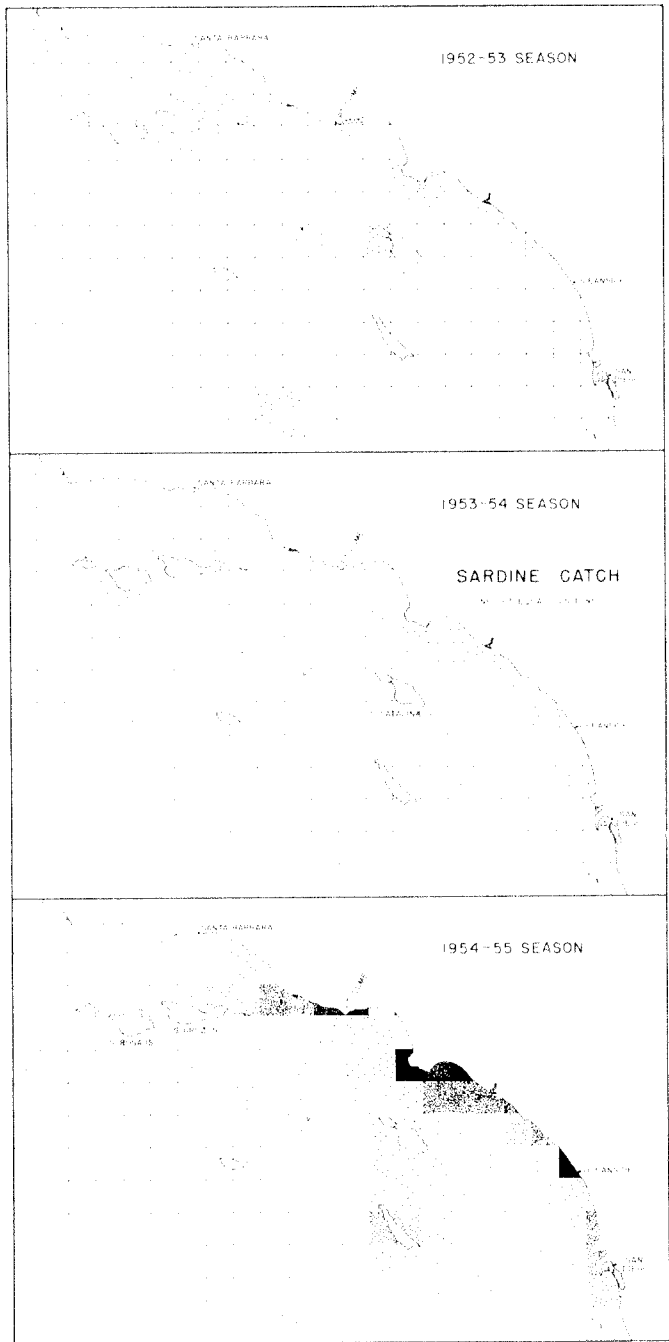


FIGURE 7. Three-season Southern California sardine catch.

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 canners. 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.....	491-521.....	117	.0	184	.0	..	..	..	..	..	..	..	..
Bodega Head.....	522-149.....	35	.0	..	..	..	..	..	..	..	..	..	..
San Francisco.....	145-171.....	4,027	1.2	2,030	.6	..	..	..	..	..	..	..	..
Pigeon Point.....	472-506.....	20,962	6.4	9,834	2.9	..	..	..	..	..	..	..	..
Mantofrey.....	36-331.....	91,215	27.8	16,476	4.9	51	.0	..	..	..	..	..	..
Point Sur.....	332-355.....	4,206	1.3	1,128	.3	..	..	..	..	..	..	..	..
Point St Ignace.....	355-399.....	7,200	2.2	1,810	.5	426	.3	..	..	..	..	..	..
Point St Ignace.....	697-539.....	11,556	3.5	3,175	.9	4,275	3.5	..	..	..	..	774	1.2
Point Sal.....	631-648.....	3,177	1.0	10,092	3.0	10,035	8.1	42	1.0	..	..	40	.1
Santa Barbara.....	651-657, 665-671.....	8,099	2.6	56,501	16.8	26,027	21.0	433	10.2	15	.6	655	1.0
Puerto Hueneme.....	664, 686-693, 709-706, 722-725.....	43,442	13.2	87,123	25.9	31,787	25.7	514	12.2	414	10.1	18,889	17.1
Santa Cruz Island.....	684-690, 707-713, 726-732.....	12,739	3.9	14,522	4.3	5,040	4.1	757	17.9	263	9.8	1,313	2.0
Point Vicente.....	679, 701, 702, 718-721, 737-742.....	90,148	27.5	87,470	26.0	31,224	27.7	785	18.8	1,115	41.4	30,462	47.7
Orcutt.....	756-758, 801-801, 821-825.....	28,212	7.7	31,611	9.4	7,302	6.0	58	1.4	652	23.8	8,824	13.0
Santa Catalina Island.....	759-762, 814-808.....	842	.3	335	.1	407	.3	495	11.7	7	.3	2,021	3.2
Santa Barbara Island.....	745-748, 763-768, 809-811.....	226	.1	301	.1	99	.1	40	1.4	..	..	157	.2
San Nicolas Island.....	749-749, 766-769, 812-815, 818-820.....	44	.0	66	.0	194	.2	29	.6	31	1.2	282	.4
San Diego.....	842-848, 860-864, 877-882.....	3,802	1.2	13,879	4.1	3,093	2.5	64	1.5	84	3.1	3,771	5.9
San Clemente Island.....	825-832, 845-851, 868-869.....	394	.1	29	.0	999	.5	8	.2	48	1.8	4,022	7.2
Tanner & Carter Bank.....	853-853, 870-873, 888-891, 897.....	..	..	21	.0	21	.0	924	23.0	..	..	49	.1
Totals.....	.....	328,263	100.0	236,519	99.8	123,683	99.9	4,227	99.9	2,697	100.1	63,839	100.0
Tons of unknown origin not included above.....	.....	8,671	..	20,128	..	3,670*	..	305	..	497*	..	3,380*	..
Total season's catch.....	.....	336,935	..	256,647	..	127,353	..	4,532	..	3,197	..	67,219	..

* Includes pompages from south of the border.

THE MARINE FISH CATCH OF CALIFORNIA

TABLE 2
Sardine Catch by General Fishing Areas

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>Sphyræna 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 pallasii</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 collicii</i>
Rock bass	
Kelp bass	<i>Paralabrax clathratus</i>
Sand bass	<i>Paralabrax nebulifer</i>
Rockfish	<i>All species of Sebastodes and 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>
Southern	<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>Hyopmesus 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 germon</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 starksi</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.

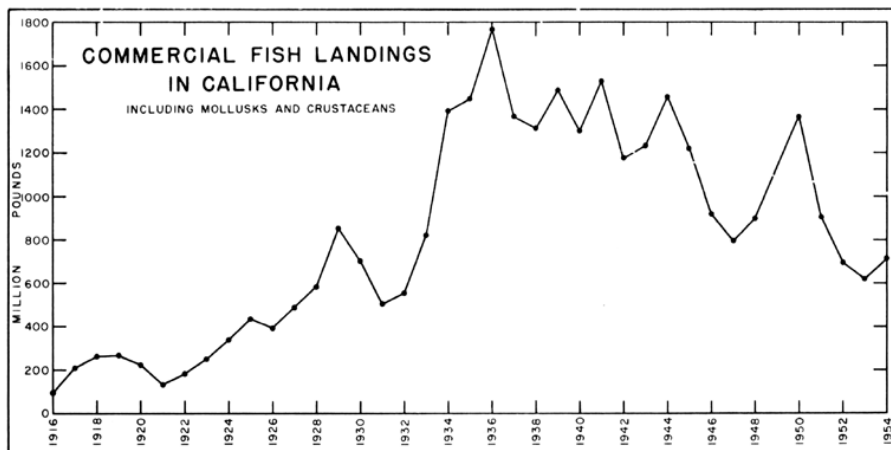


FIGURE 8. Total annual landings and shipments into California. Includes sardine deliveries to reduction ships 1930-38. See Table 3.

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

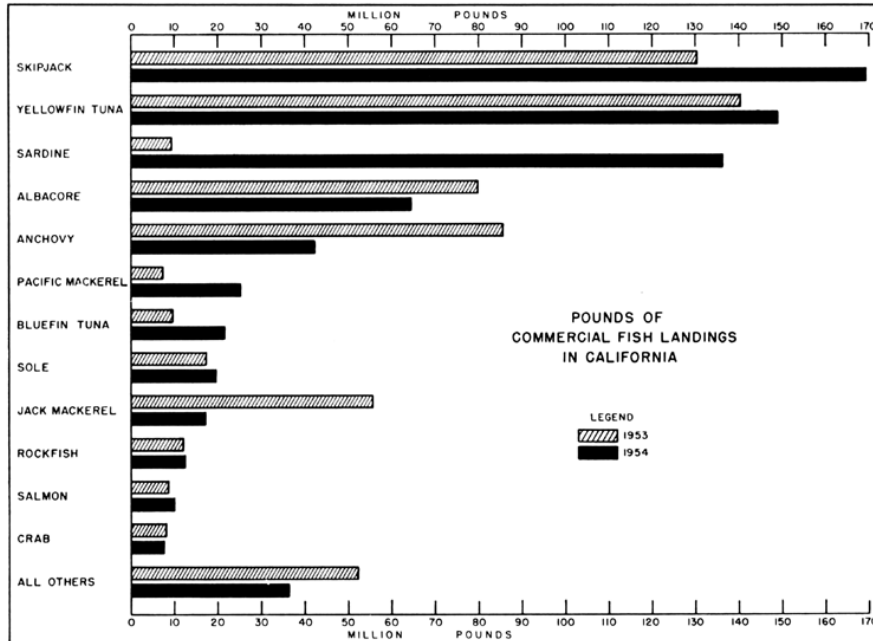


FIGURE 9. Comparative landings in 1953 and 1954 of the more important commercial species. Includes shipments and fishing boat landings. See Table 4.

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

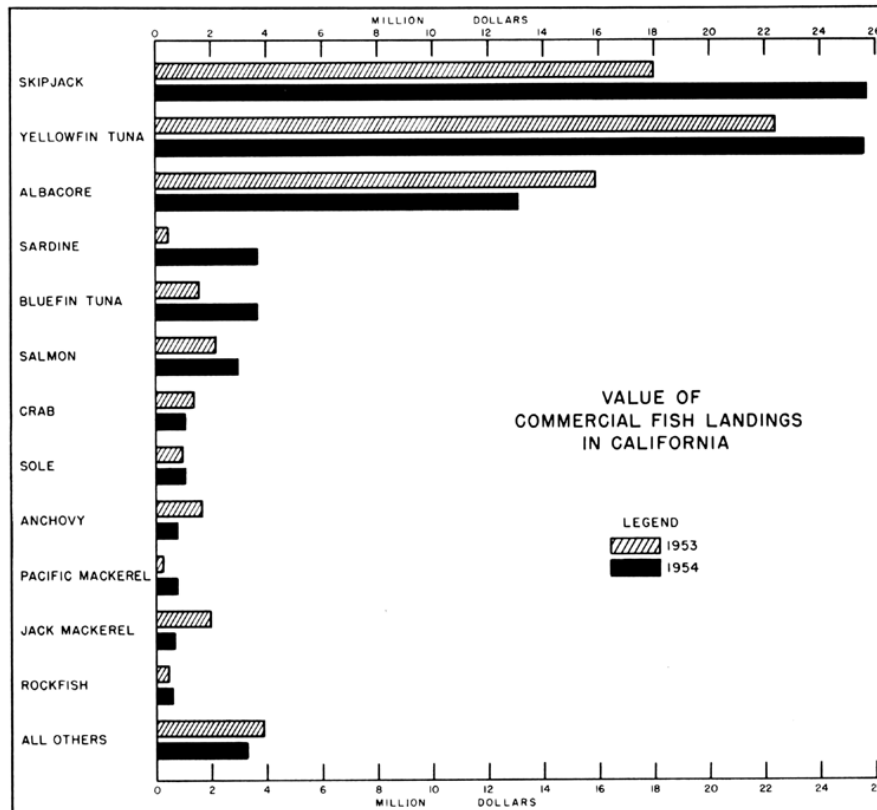


FIGURE 10. Comparative values in 1953 and 1954 of the more important commercial species. Includes shipments and fishing boat landings. See Table 5.

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
	Sacramento 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:						
Barracuda, 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.....	459,109
Cabrilla.....	5,644	Salmon.....	787,054
Carp.....	31,710	Seabass, white.....	35,781
Catfish.....	155	Shad.....	5,126
Corvina, shortfin.....	3,010	Tuna, albacore.....	46,186,816
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, shortfin.....	----	----	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	35,131	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	----	3,120
Sea bass, black.....	7,823	----	404,156	411,979	----	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
Splittail.....	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	Total fishing boat landings		
Tuna, bigeye.....	----	----	----	----	20,000	20,000
Tuna, black skipjack.....	----	----	4,215	4,215	----	4,215
Tuna, bluefin.....	3,903,642	----	5,868,973	9,772,615	62,447	9,835,062
Tuna, skipjack.....	1,284	----	122,304,876	122,306,160	8,347,736	130,653,896
Tuna, yellowfin.....	102	----	132,086,244	132,686,346	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	477,994
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	2,600	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.....	6,927,531	9,817,397	4,570,326	7,433,744	15,511,057	15,762,791	3,999,003	3,636,721	6,410,129	3,846,619	5,238,503	3,255,307	85,835,478
Barracuda, California.....	41,689	357,399	291,282	154,737	358,050	162,664	90,395	19,488	58,549	69,918	14,445	18,830	1,138,846
Bonito.....	1,975	3,098	901	.....	.....	427	169,703	22,587	87,618	1,875,972	653,243	486,848	3,102,617
Cabezon.....	4,150	1,747	2,287	3,290	329	198	611	640	617	622	17	1,141	12,396
Calappa.....	70,025	99,662	53,077	69,175	.....	42,285	28,294	.....	.....	23,207	13,190	8,796	407,691
Chop.....	12,308	22,244	40,668	29,180	55,665	43,976	43,632	33,160	37,694	23,869	29,655	14,736	391,687
Catfish.....	5,686	1,122	5,448	16,058	346	.....	.....	.....	1,694	.....	.....	.....	29,754
Corvina, shortfin.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	180	180
Croaker, white (Kingfish).....	110,669	92,578	78,544	131,478	151,265	294,819	55,053	56,020	51,519	63,817	48,611	52,659	1,201,660
Flopper.....	8,906	22,186	23,273	53,223	33,253	18,088	35,464	79,797	35,287	118,808	33,978	23,277	902,437
Flycatcher.....	.....	.....	.....	140	22,961	19,465	9,694	18,883	.....	.....	.....	.....	72,831
Grouper.....	83,799	88,773	50,530	26,156	60	10,292	5,036	20,797	1,277	6,522	99,910	95,925	176,478
Hake.....	.....	.....	.....	.....	.....	.....	5,950	23,745	930	48,607	4,282	29,812	103,626
Halibut, California.....	34,294	37,804	34,090	36,355	37,659	35,185	43,966	73,912	51,180	61,565	61,728	42,637	630,315
Halibut, Pacific.....	96,150	4,374	291	183	5,313	35,837	1,980	2,864	1,636	829	3,996	2,296	98,219
Hardhead.....	12,229	7,737	4,848	3,099	.....	.....	.....	.....	7,164	3,538	7,693	7,693	45,358
Herring, Pacific.....	2,979,438	1,657,284	293,483	335,915	1,491,639	901,106	93,429	192,238	2,990	1,850	14,113	7,891,828	14,113
Langost.....	22,849	15,292	42,139	67,620	105,651	119,320	111,070	146,454	138,237	81,620	36,878	32,111	949,976
Mackerel, jack.....	1,492,676	243,279	1,071,418	15,371,294	4,897,697	10,299,127	11,638,356	1,097,698	3,295,717	2,060,327	1,380,118	85,618	55,789,885
Mackerel, Pacific.....	106,388	63,592	425	11,261	7,683	24,797	139,667	183,558	291,297	2,467,128	3,830,912	291,293	7,862,181
Perch.....	15,410	10,375	43,163	79,552	18,675	4,101	29,985	32,340	21,108	18,207	13,868	11,436	296,599
Pompano, California.....	1,207	3,667	866	544	265	428	176	328	391	1,292	861	1,389	11,291
Rock bass.....	396	8,678	3,591	2,616	331	4,299	8,966	3,869	711	330	398	.....	34,115
Rockfish.....	855,623	878,230	1,297,289	1,238,417	1,029,667	918,596	918,634	1,100,688	1,132,328	1,122,454	825,965	846,573	12,217,855
Sablefish.....	52,493	72,688	84,496	138,227	195,786	151,940	296,479	317,412	338,513	234,817	34,390	187,222	1,655,423
Salmon.....	194	164	1,580	5,451	1,379,017	911,536	2,103,389	2,323,197	1,227,987	.....	2,444	8,328	8,006,111
Sandfish.....	20,334	28,479	73,330	63,638	71,330	68,009	79,892	71,242	43,984	62,310	42,693	30,493	690,413
Sardine.....	916,917	275,803	192,283	146,690	41,363	272,826	424,247	348,151	1,154,509	4,009,021	1,502,051	196,612	9,498,872
Sculpin.....	2,180	3,074	11,288	8,748	6,867	19,945	28,299	24,514	9,114	2,203	1,670	3,196	119,538
Sculpin, staghorn.....	200	175	120	495	.....	.....	.....	.....	95	790	910	355	3,120

DEPARTMENT OF FISH AND GAME

TABLE 13
Monthly Landings and Shipments into California During 1953

Sau bass, black.....	13,236	31,000	5,038	6,008	17,258	36,548	9,809	16,078	12,063	56,143	53,423	105,488	411,979
Sau bass, white.....	24,214	10,838	29,924	38,231	63,173	114,070	132,703	122,696	94,940	98,241	90,805	43,358	825,293
Salmon, greenling.....	14							25				100	139
Shad.....			46,384	136,862	410,977								608,223
Shark.....	46,534	17,822	18,858	23,206	49,628	62,531	37,088	46,913	32,580	41,737	32,186	40,834	499,737
Sheep-head.....	3,672	6,399	4,430	372	213	167	1,155	250	1,919	2,122	2,568	12,669	35,426
Sierra.....		140	331									435	906
Skate.....	12,617	22,188	24,891	31,045	71,388	40,544	26,067	33,411	39,996	21,251	18,630	24,072	116,669
Smelt.....	28,686	71,345	63,656	39,949	33,089	29,112	119,132	33,799	82,120	41,130	60,118	48,759	676,116
Sole.....	915,702	856,991	783,407	1,187,715	1,197,547	1,794,306	2,108,081	2,614,931	2,092,448	1,886,625	941,998	1,144,735	17,526,726
Splittail.....	495	181	290	59	16								921
Swordfish.....						699	24,856	33,166	62,692	20,741	896		142,831
Tomcod.....							97,258	9,171,814	11,422,094	11,115,104	1,940,715	88,630	33,833,905
Tuna, bluefin.....			18,900				37	2,232,509	4,555,248	1,943,483	912,923	11,359	98,036
Tuna, skipjack.....	9,145,295	5,380,050	5,068,272	4,290,728	5,632,635	7,394,213	19,937,548	17,927,471	10,741,446	9,791,202	11,905,901	15,391,349	127,306,166
Tuna, yellowfin.....	6,029,199	3,291,818	8,469,771	30,193,056	19,552,366	17,629,079	18,927,959	13,064,055	6,729,359	4,688,476	5,969,730	6,974,890	132,096,146
Turbot.....	4,563	11,581	7,236	3,709	1,837	3,181	356	5,393	1,822	3,480	7,228	16,782	69,158
Walrus.....				19,714		1,509	3,669					1,311	26,188
Whitefish.....	3,946	12,590	14,826	20,099	33,496	41,916	34,966	9,441	898	695	2,883	2,191	179,292
Whitefish, ocean.....	71	118	85	13	6	283	93		735	1,539	894	2,191	5,839
Yellowtail.....	113,794	78,471	114,477	115,076	279,281	569,570	249,845	249,432	422,016	1,409,428	899,042	735,098	5,212,383
Miscellaneous fish.....	3,593	9,598	24,421	14,291	36,012	1,877	32,829	72,496	47,692	15,152	16,874	4,262	278,908
Crustacean:													
Crab.....	1,240,151	630,002	872,096	508,901	674,077	231,838	138,416				1,789,374	1,881,792	8,278,237
Crab, rock.....	8,980	5,341	713	1,821	2,071	3,488	2,274	7,909	4,418	8,449	3,262	2,369	49,300
Lobster, spiny.....	106,424	107,535	83,539							183,182	134,235	165,017	790,052
Prawn.....	111	115	58	215	512	35	892	104	105	161	257	365	2,723
Shrimp, bay.....	36,967	23,272	72,847	61,254	53,298	61,257	74,429	93,197	111,991	46,628	33,445	28,699	732,398
Shrimp, ocean.....	85	91	225	23,842	44,107	50,479	65,843	78,345	24,392				287,410
Mollusk:													
Abalone.....	182,005		211,859	501,723	451,333	586,650	437,001	461,388	512,031	472,803	348,966	553,791	4,220,330
Clam, paper.....	60	800	540	548	236	100	509					20	2,124
Clam, jackknife.....	2,093	2,292	2,825	3,699	6,932	5,634	7,278	6,908	4,140	2,718	1,596	1,345	47,777
Clam, Washington.....	1,254	883	1,611	3,354	24	16	78	42	1,061	773	593	597	10,216
Mussel.....		14	29		85	71	271		291				789

THE MARINE FISH CATCH OF CALIFORNIA

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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
Mollusk—Continued													
Octopus.....	1,420	1,398	1,414	3,032	2,562	772	737	477	987	1,181	1,194	1,964	17,124
Oyster, eastern.....	12,221	14,127	12,307	11,115	10,615	8,253	8,436	6,654	4,494	11,998	16,782	17,464	125,733
Oyster, Pacific.....	17,923	18,133	26,199	25,888	6,438	4,532	9,964	9,656	11,016	12,997	10,887	13,200	161,820
Snail, etc.....	5,690	4,227,656	943,298	21,673	109,645	193,133	1,197,213	899,878	129,503	171	73	244	244
Squid.....										232,599	861,957	71,797	8,917,114
Total pounds.....	37,963,312	29,378,805	28,664,938	32,827,372	54,052,167	58,748,683	73,298,842	81,367,830	48,639,400	38,119,776	39,690,041	33,097,491	547,782,157
Shipments ¹													
Barramunda, California.....				5,614						4,832			4,832
Calappa.....													5,614
Carp.....		10,960	11,700	2,000						7,090			21,750
Crab.....													153
Coverina, shortfin.....		310		2,700									3,010
Croaker, white (Kingfish).....							135						135
Eel.....												1,544	1,544
Groupers.....				180									180
Halibut, California.....							145						145
Halibut, Pacific.....								2,672				2,220	4,292
Herring, Pacific.....				160,773								15,494	176,267
Rockfish.....							4,188						4,188
Sablefish.....		32,479	46,219	14,897	1,900	40,908	10,428	41,887	31,282	29,221	56,329	39,512	324,867
Salmon.....	31,192	210,266	58,341	138,668	7,237	32,790	37,778	32,514	47,286	51,674	39,000	60,108	797,034
Scabean, white.....	1,410			8,741		590	2,206	22,264		600			33,781
Shad.....					884	4,242							5,126
Tuna, albacore.....	918,962	1,698,741	4,759,348	7,027,235	4,941,380	8,242,269	11,317,060	10,192,910	398,720	233,471	236,269	213,480	66,186,816
Tuna, bigeye.....													20,000
Tuna, bluefin.....										60,371	2,076		62,447
Tuna, skipjack.....	789,962	1,495,083	830,516	490,425	332,836	1,222,099	1,286,381	848,335	278,348	779,858	251,016	94,907	8,347,726

DEPARTMENT OF FISH AND GAME

TABLE 13—Cont'd.

Tuna, yellowfin.....	121,641	272,142	196,451	366,834	544,257	1,031,078	1,099,326	645,135	414,596	2,320,672	805,953	710,561	8,458,600
Miscellaneous fish.....			112,792	2,783	5		1,821	30,235	31,189				199,696
Crustaceans:										2,600			2,600
Prawn.....													
Mollusk:													
Clam ¹	1,800						65						2,824
Clam, Fossil.....	71,624	80,080	45,448	122,794	244,356	721,720	3,280,052	1,283,064	115,312	76,466	107,526	140,300	6,317,152
Total pounds.....	1,968,499	3,735,491	5,683,163	8,289,647	3,210,863	8,268,438	17,116,753	13,125,494	1,372,294	3,528,393	1,499,277	1,321,141	71,116,459
Grand total fishing boat landings and shipments.....	32,632,702	31,114,296	31,354,131	60,917,619	59,263,630	67,014,119	92,409,565	74,633,311	50,011,694	41,639,169	38,190,318	34,418,632	618,898,616

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

THE MARINE FISH CATCH OF CALIFORNIA

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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
Fishing boat landings from California waters:													
Carp.....						13,610							13,610
Flounder.....	881	1,427	16,308	18,533	29,119	15,201	28,322	85,361	12,477	2,139	417		212,455
Hake.....						4,834	38,721	2,857	1,872	615	70		45,669
Halibut, Pacific.....											4,762	20,812	21,606
Lingcod.....	1,128	5,065	19,500	36,674	65,308	89,091	83,112	109,790	105,432	51,940	7,559	9,019	584,238
Markereel, jack.....								90	552	245			887
Perch.....	934	2,979	11,561	17,471			9,511	13,412	5,944	1,198	337	1,650	64,997
Rockfish.....	48,299	97,012	327,128	388,410	203,102	288,273	289,092	118,968	390,607	263,564	84,104	131,287	2,944,126
Sablefish.....	27,887	7,294	15,549	23,992	27,272	64,029	110,911	106,769	77,803	177,962	49,183	51,160	792,112
Salmon.....					308,699	423,612	814,562	1,139,791	200,796				2,909,109
Sandfish.....	271	2,484	12,839	16,299	15,439	13,342	12,918	17,432	5,307	4,104	1,096	1,663	102,574
Shark.....					185	679		43	1,213	2,927	439	10,916	16,203
Skate.....		8,245	16,082	45,309	64,003	33,196	21,367	50,151	32,522	24,814	9,656	11,968	316,394
Smelt.....		46	1,057	7,177	9,359	31,264	19,588	13,197	2,554				84,642
Sole.....	346,533	492,682	396,158	623,866	699,438	1,277,133	1,461,323	1,897,283	1,472,926	1,251,262	461,845	453,869	11,058,018
Tuna, albacore.....								7,178	233,468	23,719	178		294,531
Turbot.....	720	1,735	1,283	224	180	682		79	352	1,979	493	11,535	19,239
Whitefish.....	712	3,421	3,551	7,747	19,842	27,614	29,714	5,564					96,899
Miscellaneous fish.....	215	6,169	17,511	10,998	35,011	872	21,279	64,909	21,586		96		177,637
Crustaceans:													
Crab.....	829,279	617,326	794,060	458,482	604,060	166,294	10,705					622,518	4,102,784
Shrimp, ocean.....					2,332	13,123	1,019	8,770	230				27,484
Mollusk:													
Clam, Washington.....	1,254	883	1,611	3,314					1,961	773	559	513	9,968
Octopus.....		80		210	150	251	210				72		973
Total pounds.....	1,497,503	1,236,378	1,629,147	1,650,207	2,076,401	2,477,423	2,956,198	4,023,161	2,376,185	1,887,077	620,656	1,316,210	23,916,546

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

Fishing boat landings from waters north of the state boundary:																		
Flounder.....			651		233		3,945											1,820
Hake.....								850	2,485									3,435
Langcod.....	109	2,099	405	6,483	10,262	8,045	8,245	434	182	45								36,241
Rockfish.....		2,166	629	29,411	22,703	31,910	31,550	12,456	878	54								136,796
Sablefish.....	17	1,839	1,237	3,709	2,791	6,949	11,640	10,402	3,247	3,115								46,367
Salmon.....				34	13,379	26,837	106											40,336
Sandfish.....			175	2,442	1,187	48												3,832
Sole.....	1,321	113,312	55,785	202,116	396,648	305,202	199,881	154,785	96,420	116,351								1,011,924
Miscellaneous fish.....			2,500			2,382	3,406	2,640										11,538
Crustaceans:																		
Crab.....		1,428			1,850													3,292
Shrimp, ocean.....			11															13,661
Total pounds.....	1,428	1,447	127,736	58,047	296,449	416,949	401,470	233,281	183,212	102,697	119,563							1,914,263
Grand totals Eureka region.....	1,497,803	1,397,806	1,630,861	1,777,943	2,134,448	2,731,863	3,373,138	4,424,631	2,831,466	2,040,289	721,353	1,433,775						25,830,509

THE MARINE FISH CATCH OF CALIFORNIA

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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
Fishing boat landings from California waters.....													
Carp.....	10,908	1,558	9,126	29,131	48,155	30,866	42,132	31,960	35,504	10,519	11,960	14,736	287,055
Catfish.....	5,656	1,122	5,445	15,658	346				1,094				26,334
Blackhead.....	12,229	7,757	1,848	5,099						7,164	3,558		45,556
Salmon.....	104	164	1,560	5,451	7,225			39,050	504,560		2,411	8,338	609,096
Shad.....			46,364	150,862	410,977								608,203
Splittail.....	495	181	260	59	16								911
Miscellaneous fish.....	30		109										139
Total pounds.....	29,362	11,182	67,415	204,680	467,229	30,866	42,132	71,010	811,518	27,683	17,962	30,677	1,841,166
Shipments ¹													
Catfish.....										155			155
Total pounds.....										155			155
Grand totals, Sacramento region.....	29,362	11,182	67,415	204,680	467,229	30,866	42,132	71,010	811,518	27,838	17,962	30,677	1,841,321

¹ See Table 11 for origin of shipments.

DEPARTMENT OF FISH AND GAME

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.....	413,309	1,921,700	25,603	23,255	56,310	229,432	46,239	68,729	194,102	102,712			3,072,334
Calicos.....	1,365	155	130		190	130	48	100	314	109			2,901
Cracker, white (Kingfish).....	448	20	228	25	643	108	300	667	229	338			2,179
Flounder.....	7,142	19,207	6,382	1,711	3,855	1,639	1,367	14,766	21,864	102,684	46,831		228,412
Hake.....								10,379					10,379
Hollot, California.....	4,914	486	29	17	53	13	269	70	114	84	444	245	8,538
Hollot, Pacific.....	36,139	4,374	264	153	479	116	2,423	632	1,021	759	3,966	2,204	53,550
Herring, Pacific.....	2,939,221	1,637,354	171,403	600		70	12,200						4,761,961
Lingcod.....	16,147	7,287	10,395	10,130	24,840	5,619	35,416	22,264	19,679	23,333	18,374		207,992
Mackerel, jack.....								80	2,045	1,337			3,762
Perch.....	4,299	2,229	17,680	18,036			4,837	6,641	3,701	6,745	955	830	65,443
Rockfish.....	433,253	294,614	488,122	364,637	398,614	136,676	184,433	267,283	365,999	381,806	445,253	341,909	4,170,739
Sablefish.....	5,844	348	5,486	32,113	10,192	17,232	22,216	23,753	19,234	13,619	11,440	15,610	222,109
Salmon.....					521,363	337,511	1,161,045	1,054,889	219,739				3,014,647
Sanddab.....	17,618	22,237	30,607	21,726	31,390	6,822	9,898	17,671	9,135	27,729	30,633	39,655	263,968
Sculpin, staghorn.....	200	178	120	405					55	760	910	365	3,120
Seabass, white.....	141								78				219
Shark.....	10,716	6,147	7,273	1,083	3,090	221	1,851	9,967	8,836	13,421	13,162	2,832	77,800
Skate.....	11,875	13,190	6,735	3,200	3,600	1,830	4,000	3,213	3,620	3,763	8,695	6,143	74,099
Smelt.....	4,733	22,402	44,804	31,298	20,146	12,965	30,133	21,449	27,013	21,299	9,505	3,395	248,883
Sole.....	291,760	296,983	222,269	216,881	266,717	93,817	111,119	272,446	296,722	348,294	275,949	472,961	3,167,918
Swordfish.....									409				409
Tongcod.....									97				97
Tuna, albacore.....	1,342	7,287	3,829	1,810	2,983		1,923	356	4,988	1,170	1,507	6,022	2,348
Turbot.....								163,766	3,696,654	347,803	23,005		4,210,228
Whitcham.....	3,064	8,388	7,258	10,345	12,982	8,468	4,895	3,837	828	680	2,965	2,130	65,420
Miscellaneous fish.....	892		13	43	300	285	113	4,768	22,053	9,611	6,437	4,292	48,737

THE MARINE FISH CATCH OF CALIFORNIA

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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
Crustacean:													
Crab.....	116,550	302,741	68,345	38,520	63,010	64,643	126,705	.....	.....	.....	1,787,539	1,355,697	4,155,890
Shrimp, bay.....	36,967	28,373	72,837	61,254	53,258	61,267	74,229	85,197	141,804	46,678	33,845	28,608	722,268
Shrimp, ocean.....	.....	.....	.....	90	.....	.....	15,304	30,859	1,120	.....	.....	.....	45,343
Mollusk:													
Albatross.....	.....	.....	.....	6,100	1,220	3,323	1,300	2,873	1,000	4,000	3,200	3,123	27,323
Clam, Washington.....	.....	.....	.....	49	24	16	78	42	.....	.....	24	24	248
Ostracod.....	803	176	442	270	340	327	95	35	425	355	417	56	4,205
Oyster, eastern.....	13,231	14,157	13,307	11,113	10,025	8,235	8,426	6,624	4,494	11,905	10,732	17,464	129,733
Oyster, Pacific.....	10,996	11,259	18,183	15,631	6,458	4,552	9,864	9,656	11,016	12,997	10,357	.....	13,750
Total pounds.....	4,682,071	4,742,089	1,220,134	870,728	1,530,272	1,613,614	1,838,667	2,121,477	5,077,319	1,489,047	2,750,820	2,244,435	29,340,074
Fishing boat landings from waters north of the state boundary:													
Tuna, albacore.....	.....	.....	.....	.....	.....	.....	.....	.....	47,468	.....	.....	.....	47,468
Total pounds.....	.....	.....	.....	.....	.....	.....	.....	.....	47,468	.....	.....	.....	47,468
Shipments:													
Haddock, Pacific.....	.....	.....	.....	.....	.....	.....	.....	2,072	.....	.....	.....	.....	4,292
Herring, Pacific.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15,494
Sablefish.....	25,000	3,000	.....	1,000	3,819	4,813	24,317	30,888	29,221	36,074	27,362	32,350	214,174
Salmon.....	200	73,832	6,341	16,230	5,209	.....	2,008	15,057	2,000	50,243	.....	.....	166,420
Shad.....	.....	.....	.....	.....	84	4,242	.....	.....	.....	.....	.....	.....	5,120
Tuna, albacore:													
Tuna, bigeye.....	.....	237,750	291,413	290,620	383,989	548,017	913,175	329,689	192,839	124,210	102,940	.....	3,616,813
Tuna, skipjack.....	568,627	214,437	.....	.....	51,775	149,810	89,814	49,033	.....	.....	20,000	.....	20,000
Tuna, yellowfin.....	100,003	.....	.....	.....	.....	.....	42,930	94,056	16,798	.....	.....	.....	1,141,516
Miscellaneous fish.....	.....	.....	.....	.....	.....	.....	.....	18,355	.....	.....	.....	.....	375,867
Total pounds.....	693,232	551,010	297,754	302,160	446,676	706,882	1,074,221	720,211	240,896	304,607	130,332	170,211	5,377,477
Grand total, San Francisco region	5,375,303	5,293,128	1,517,888	1,172,888	1,976,948	1,719,896	2,912,891	2,890,688	5,383,683	1,693,654	2,901,352	2,414,680	33,768,019

¹ See Table 11 for origin of shipments.

DEPARTMENT OF FISH AND GAME

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
Fishing boat landings from California waters:													
Anchovy.....	5,376,428	6,231,897	747,698	.....	18,800	.....	1,300	55,000	670,520	587,540	400	5,800	13,694,993
Cabron.....	1,575	816	1,293	917	140	68	363	840	103	773	22	1,000	7,967
Carp.....	.....	1,181	507	49	.....	.....	1,200	2,100	3,350	12,700	.....	.....	21,687
Crescent, white (Kingfish).....	14,675	79,337	7,119	7,090	11,533	51,800	27,022	37,702	23,451	43,403	30,883	27,450	305,845
Flounder.....	700	1,808	273	1,036	929	1,016	5,775	2,700	1,246	10,888	6,415	7,953	40,200
Hake.....	.....	.....	.....	.....	.....	.....	8,650	15,375	.....	.....	.....	.....	18,435
Hallbut, California.....	2,048	778	1,335	401	601	2,823	11,651	2,753	304	1,658	2,833	1,358	29,679
Herring, Pacific.....	.....	.....	341,500	333,840	1,370,960	756,420	53,400	142,475	2,900	.....	1,850	3,000	2,667,105
Lingcod.....	2,866	1,483	5,547	10,060	11,913	15,703	10,490	6,211	3,991	3,253	8,095	13,299	92,379
Mackerel, jack.....	.....	.....	23,740	.....	27,053	2,340	40,183	66,116	813,578	124,869	22,608	77,353	1,199,932
Mackerel, Pacific.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	780	.....	.....	780
Perch.....	697	233	2,061	6,777	.....	.....	10,874	5,895	301	1,816	2,016	1,094	31,744
Pumpkin, California.....	1,917	3,150	751	156	165	144	123	.....	6	99	302	1,359	7,489
Rockfish.....	317,897	287,617	383,063	423,710	373,709	434,809	413,041	336,988	301,981	406,887	293,183	327,724	4,307,651
Subfish.....	18,462	64,922	63,034	77,610	32,816	63,968	70,219	20,523	30,090	30,645	28,292	65,000	688,182
Salmon.....	.....	.....	.....	.....	538,209	158,263	42,949	50,812	737	.....	.....	.....	700,970
Sandfish.....	2,015	11,210	21,960	21,231	74,361	43,934	55,731	35,759	25,688	26,218	7,529	8,536	283,671
Sardine.....	.....	.....	.....	.....	780	.....	.....	390	300	160	.....	13	1,433
Seabass, white.....	211	820	1,617	546	80	.....	32	2,160	9,729	103	79	56	14,833
Seatrot, greenling.....	14	.....	.....	.....	.....	.....	.....	25	.....	.....	.....	100	139
Shark.....	7,620	72	749	565	32	601	4,636	7,489	382	2,178	1,116	209	25,679
Skate.....	352	91	1,076	2,039	2,403	4,323	706	.....	1,275	870	.....	365	14,178
Snail.....	852	3,161	2,621	3,055	2,472	620	82,836	6,446	32,515	20,569	33,464	17,781	174,632
Sole.....	23,442	33,956	56,690	125,902	128,515	177,894	143,197	121,410	119,263	121,987	84,837	71,811	1,199,634
Swordfish.....	.....	.....	.....	.....	.....	.....	.....	.....	476	.....	.....	.....	476
Tuna, albacore.....	.....	.....	.....	.....	.....	.....	.....	29,908	2,127,620	250,085	1,345	.....	2,408,948
Tuna, skipjack.....	.....	.....	.....	.....	.....	.....	.....	.....	1,294	.....	.....	.....	1,294
Turbot.....	.....	.....	.....	60	.....	.....	.....	335	.....	.....	68	77	487
Whitefish.....	200	1,061	1,744	2,067	2,389	5,773	3,272	20	10	15	30	44	16,545
Miscellaneous fish.....	.....	12	.....	.....	.....	.....	3,495	.....	.....	1,363	682	.....	5,497

THE MARINE FISH CATCH OF CALIFORNIA

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

TABLE 17—Continued
 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 pound
Crustaceans:													
Crab.....	2,282	4,107	2,529	1,804	115	156	6				1,402	1,576	13,967
Prawn.....	111	135	58	215	280		75	100	93	161	257	565	2,000
Mollusk:													
Abalone.....									4,225	9,650	1,750	10,000	26,225
Clam, soft-shell.....	40	400	540	848	256	190	190				90		2,124
Octopus.....	266	706	741	1,828	1,399	60	378	233	563	778	653	1,837	9,470
Squid.....		2,910	23,003	100,643	131,513	1,178,203	899,200	77,090	230,968	811,001		8,293	3,826,929
Total pounds.....	5,774,090	6,672,202	1,366,400	1,047,331	2,728,481	1,829,837	2,135,024	1,848,354	4,245,410	1,881,948	1,353,732	654,906	31,535,118
Shipments:¹													
Tuna, albacore.....				94,207	96,271								190,478
Tuna, skipjack.....		116,329		200,284	120,017	129,857	120,023	317,893			178,625		1,228,136
Tuna, yellowfin.....				237,172	107,511		85,432	85,264			130,671		646,150
Total pounds.....		116,329		531,663	323,859	129,877	224,455	482,345			309,296		2,064,864
Grand totals, Monterey region.....	5,774,090	6,788,531	1,366,400	1,579,197	3,052,340	1,956,714	2,359,479	2,580,699	4,245,410	1,881,948	1,659,828	654,906	33,599,982

¹ See Table 11 for origin of shipments.

DEPARTMENT OF FISH AND GAME

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
Fishing boat landings from California waters:													
Anchovy.....	401,188	1,491,779	1,491,037	2,340,128	6,233,852	6,653,361	1,849,121	2,047,111	4,858,722	2,299,927	3,506,016	1,532,975	31,735,310
Barracuda, California.....	405	120,068	23,954	373									130,437
Cabezon.....	1,049	796	544	373							25	81	2,588
Cracker, white (Kingfish).....	543	151	1,025	6,207	17,217		9,320	1,250	2,159		160	615	22,625
Flounder.....	303	364	313	1,392									5,486
Halibut, California.....	19,979	18,141	11,765	12,768	9,875	8,188	7,222	8,899	13,671	14,710	12,467	19,088	156,775
Herring, Pacific.....				1,475	139,979	174,609	27,829	17,750					342,623
Langsdal.....	1,865	1,499	3,376	8,555	3,136	7	300	138	800	333	1,862	909	20,169
Mackerel, jack.....	351,890	68,100	1,973,380	245,228	8,000	127,200	2,778,097	842,330	1,637,449	159,485	418,600	7,545	8,619,355
Mackerel, Pacific.....								4,720	65,168	21,900			94,778
Perch.....	2,314	1,858	925	1,472			208	1,052	2,006	11	297	1,798	11,944
Pompano, California.....				111									111
Rock bass.....	185	44	181	2,184	244		459	71					3,388
Rockfish.....	16,091	28,867	30,397	29,459	27,467	6,634	3,239	5,601	7,441	12,568	15,830	11,839	168,453
Sablefish.....				88	107		222						1,103
Salmon.....					1,120	1,197	71,432	1,709	1,308				76,665
Sauddah.....	132	1,791	8,615	1,017	69	59	158	185	105	82	1,156	652	13,200
Sardine.....	123,065	70		14		110	107,942	69,900	131,052	301,885	246,470		972,248
Sea bass, black.....					145	608	470						1,275
Sebass, white.....	1,815	694	889	2,174	858	2,174	12,783	11,711	1,642	19,037	220	42	58,550
Shark.....	7,046	5,640	4,743	6,700	13,635	17,332	12,656	20,419	2,653	3,061	3,275	3,773	100,333
Shoophead.....	2,174	935	339	37	47	49	28	26	64	308	400		5,980
Skate.....	103	428	421	303	1,091	719							4,294
Snell.....	1,059	559	909	1,215	895	1,000	2,094	160	4,212	8			1,350
Sole.....	13,992	31,362	114,919	108,053	56,947	41,283	25,781	18,495	12,235	10,297	23,147	29,818	488,291
Swordfish.....							1,333	2,429	681	974	515		5,932
Tuna, albacore.....							486	23,009	772,615	269,418	11,913		1,080,441
Tuna, bluefin.....							84,335	36,508					121,843
Turbot.....	2,497	2,539	2,821	1,515	694	594					688	2,707	14,055
Whitefish.....					283		85		60				428
Miscellaneous fish.....	846	1,123	734	439	32	69	6	10		39			3,286

THE MARINE FISH CATCH OF CALIFORNIA

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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
Crustacean:													
Crab.....	1,640	4,400	7,392	10,021	4,892	1,265	1,000				373	2,101	32,614
Crab, rock.....	4,654	2,795	349							318			8,106
Lebster, rock.....	21,169	49,171	28,228							32,722	69,829	85,423	256,239
Prawn.....					232	38	327	64	12				673
Shrimp, ocean.....				23,746	41,755	35,356	51,829	23,076	23,052				198,865
Mollusk:													
Abalone.....	21,404		50,076	181,224	147,803	139,000	174,030	221,600	234,416	118,525	139,160	199,924	1,639,881
Octopus.....	179	142	20	780	555	196							1,878
Oyster, Pacific.....	6,927	6,874	9,016	5,254									27,071
Squid.....							1,518						16,683
Total pounds.....	1,638,865	1,847,315	3,766,747	2,988,179	6,091,339	7,211,299	5,188,353	3,378,003	7,711,840	3,313,022	4,436,862	1,901,632	49,496,196
Fishing boat landings from waters south of the international boundary:													
Swordfish.....								1,334					1,334
Total pounds.....								1,334					1,334
Grand totals, Santa Barbara region	1,638,865	1,847,315	3,766,747	2,988,179	6,091,339	7,211,299	5,188,353	3,378,227	7,711,840	3,313,022	4,436,862	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:													
Anchovy.....	36,615	171,931	2,766,078	8,060,401	9,202,445	8,888,978	2,101,319	1,455,869	686,715	395,700	1,730,097	1,693,625	34,329,844
Barracuda, California.....	4	32	14	21,202	151,256	74,973	2,761	772	5	749	81		281,849
Bonito.....								13	1,297				1,310
COP.....	8,400	24,105	3,000		7,500			1,600			4,905		42,800
Croaker, white (Kingfish).....	104,493	69,197	70,907	120,417	122,167	241,731	24,668	10,079	14,262	14,325	13,937		829,399
Flyingfish.....				140	22,961	19,163	9,694	18,883	1,688				72,831
Halibut, California.....	3,721	7,221	7,878	18,483	13,919	11,934	12,971	10,850	6,697	9,694	7,653	7,314	118,035
Lingcod.....	311		3,152	2,802		155		6		315	66		6,910
Mackerel, jack.....	1,050,916	175,179	2,073,328	15,125,492	4,861,540	10,157,818	8,820,686	188,992	842,102	1,717,131	898,237	720	45,910,081
Mackerel, Pacific.....	106,388	63,992	425	14,261	7,653	17,042	126,333	181,670	373,349	2,131,696	3,140,099		6,192,677
Perch.....	7,153	2,998	11,451	36,176	18,668	4,027	4,096	5,236	9,106	8,434	8,253	8,544	131,130
Pompano, California.....	50	528	132	275	197	281	353	326	956	1,352	150		3,791
Rock bass.....	66	2	19	509	20	3,776	7,336	3,088	314	200			15,340
Rockfish.....	20,720	51,689	58,303	48,791	26,820	19,791	4,826	10,133	31,124	27,840	26,047	26,498	295,692
Salblefin.....	149	214	487	85	92	32		397	356	2,188	258		3,644
Salmon.....					1,902	436	22	19	341				2,718
Sandfish.....	318	732	2,610	2,620	3,081	1,416		622	3,162	3,278	2,329	1,327	21,844
Sardine.....	792,112	278,333	182,283	146,676	40,633	272,416	316,305	286,071	1,023,156	3,114,129	1,228,674	170,372	7,849,600
Sculpin.....	1,654	795	1,562	2,360	4,714	14,723	19,647	18,426	7,008	1,943	1,670		75,232
Sea bass, black.....	171	91	44	272	70	898	1,013	953	336	99			3,763
Shadon, white.....	13,323	4,300	8,203	20,209	47,025	89,634	54,909	48,028	2,666	157			31
Shark.....	4,880	1,912	3,025	7,644	15,170	13,055	5,446	4,764	12,228	1,905	1,789		4,188
Sharp-head.....	293	4,908	196	210	166	127	284	224	232	1,222	345		7,999
Shiner.....	117	34	27	66	99	264		75	379	632	288		3,111
Snail.....	20,967	44,147	14,667	3,077	2,700	4,300	2,795	3,056	5,020	6,532	7,309		24,600
Sole.....	63	8	90	101	145	261	13	115	68				215
Swordfish.....						660	22,500	14,800	30,807	10,463	291		76,701
Tuna, albacore.....						6,106	1,253,968	1,249,814	1,490,122	438,115	42,955		4,474,950
Tuna, bluefin.....							554,383	1,682,288	453,435	498,198			10,717
Tuna, yellowfin.....					102								102

THESE FIGURES ARE CALCULATED FROM THE MONTHLY REPORTS OF THE CALIFORNIA DEPARTMENT OF FISH AND GAME

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
Turbot.....	4												215
Whitefish, ocean.....	6	15	85	15	5		83			46			255
Yellowtail.....				1,311	2,623	3,288	944	175	78				8,419
Miscellaneous fish.....	1,349	2,220	5,992	1,135	649	544	7,946	30	39	1,550	9,646		31,100
Crustaceans:													
Crab, rock.....	1,796	1,477	309	1,821	2,671	3,488	3,211	7,609	4,418	3,882	1,380	191	31,283
Lobster, spiny.....	48,271	53,725	19,643							54,256	62,354	84,391	334,650
Shrimp, ocean.....	85	91	225	16									417
Mollusk:													
Alalose.....	127,056		158,000	306,901	292,844	449,380	255,458	228,033	236,390	319,519	185,948	319,248	2,899,470
Octopus.....	88	74	240	58	58					18	22	31	360
Snail, m.....										171	73		244
Squid.....	5,690	4,227,065	929,385	70		18,639	17,340	628	42,963	21,535	40,760	61,031	5,561,997
Total pounds.....	2,394,694	5,184,789	6,590,680	30,941,499	14,849,295	20,310,425	13,974,663	5,432,441	5,231,558	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:													
Barramundi, California.....	32,243	157,833	147,333	117,849	40,810	768	65,373	18,275	85,200	59,608	79	18,700	724,141
Rooster.....	1,675	1,883	664			420	157,662	21,270	68,765	1,713,285	168,651	215,426	2,349,832
Cabeilla.....	68,399	99,662	31,077	69,175		42,705	28,264			23,207	13,190	8,796	495,945
Coveia, shortfin.....	80,532	88,773	50,530	26,186	60	10,293	5,036	20,697	1,377	6,323	90,910	63,923	476,211
Groupers.....													
Halibut, California.....	1,942	6,487					338						1,815
Jingod.....													540
Perch.....													829
Rock bass.....		7,517	370			276							8,163
Rockfish.....	7,383	23,293	890									678	1,196

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TABLE 19—Cont'd.

Sea baw, black.....	12,137	29,064	5,474	5,326	17,128	14,245	1,711	7,731	10,579	41,620	84,601	103,793	331,425
Sea baw, white.....	6,419	641	25	490			25,730	62,662	20,530	34,145	39,460	19,221	209,346
Shark.....	1,711	255	89								781	3,333	6,129
Sheepshead.....	89											390	319
Sierra.....			331										331
Swedfish.....							253	6,059	5,121				11,433
Tuna, albacore.....							5,849	1,730,957	2,419,149	690,501	64,142	3,020	4,902,998
Tuna, black skipjack.....					4,213								4,213
Tuna, bluefin.....			15,800				705,405	2,141,003	1,205,424	331,000	1,000	77,571	4,676,293
Tuna, skipjack.....	6,888,887	3,382,033	3,515,292	5,648,324	4,901,964	4,900,743	14,683,819	10,170,507	3,700,098	4,341,681	4,813,414	6,535,888	69,192,610
Tuna, yellowfin.....	2,767,073	2,803,682	8,098,735	14,993,336	13,691,597	11,704,019	15,091,637	8,665,487	4,242,626	2,213,681	2,518,343	3,879,749	89,202,680
Walrus.....				19,714			1,300	3,660					24,874
Whitefish, ocean.....													790
Yellowtail.....	8,127	19,385	3,247	24,572	36,293	81,795	117,835	223,711	187,991	1,175,113	312,635	171,304	2,564,007
Miscellaneous fish.....			56										56
Crustacean:													
Lobster, spiny.....													807
Total pounds.....	10,876,849	6,670,791	9,794,879	18,991,632	17,845,067	16,862,164	32,640,678	23,790,831	16,430,772	10,604,093	8,047,489	11,332,144	178,190,000
Shipments: ¹													
Carp.....													31,710
Eel.....		10,660	11,700	2,000									1,544
Herring, Pacific.....				160,773									160,773
Salmon.....	7,479	38,219	14,697		36,130	5,625	57,279	261		26,255	11,920	30,117	244,033
Tuna, albacore.....	30,962	136,434	82,000	128,138	1,028	32,750	55,770	37,757	45,286	1,431	39,000	60,108	620,634
Tuna, bluefin.....	918,982	1,222,081	3,075,383	4,486,915	2,861,133	4,371,484	8,335,566	7,044,700	202,781	109,161	133,320	213,480	33,875,186
Tuna, skipjack.....													62,447
Tuna, yellowfin.....	221,935		500,516	34,894	161,044	942,282	379,899	414,435	278,348	133,056	27,109	94,967	3,186,325
Miscellaneous fish.....	21,636		156,451	126,311	436,646	1,081,078	695,115	965,815	392,829	2,172,249	674,282	500,381	6,789,783
Mollusk:													180,731
Clam ²	1,000						464						2,824
Clam, Pismo.....	71,524	98,090	48,448	122,294	244,256	771,729	2,280,952	1,282,461	115,312	76,998	107,836	140,360	6,317,132
Total pounds.....	1,273,538	1,802,774	3,999,087	8,064,208	3,740,301	7,165,069	12,866,668	10,175,333	1,131,298	2,510,333	994,248	1,150,897	41,544,044
Grand total, Los Angeles region.....	14,545,072	13,307,854	19,654,946	44,910,929	36,434,663	43,777,741	58,831,409	39,369,635	16,793,728	21,661,651	16,478,077	14,944,822	340,130,517

¹ See Table 11 for origin of shipments.
² Cleared weight; no conversion factor available.

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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
Fishing boat landings from California waters:													
Anchovy.....												2,907	2,907
Barramunda, California.....			68	2,395	66,884	86,923	1,770	271	284			6,468	163,636
Bonito.....							10	83					18,816
Carp.....			28,828										28,828
Croaker, white (Kingfish).....		271	65	139	93	1,127	662	6,712	11,430	5,781	3,911	1,901	31,612
Hallibut, California.....	842	4,634	9,794	4,603	3,208	2,178	191	191	100	22,360	17,885	12,492	78,012
Herring, Pacific.....	237												237
Langost.....	612	414	20		13								1,109
Mackerel, jack.....				2,692	1,192	2,669							6,553
Mackerel, Pacific.....						7,755	4,414	1,588	478	2,47,924	669,083	282,414	1,211,826
Perch.....	13				7	74	459	194					637
Rock bass.....	75	923	2,861	323	97	137	467	158	197				4,711
Rockfish.....	1,980	8,288	7,459	4,244	2,315	2,231	260	682	1,316	1,763	2,185	2,978	32,422
Shiner.....						1,395							1,395
Sanddab.....								15	307	632		30	1,234
Sardine.....										553,851	26,907	34,227	604,985
Scupin.....	546	2,228	9,706	6,358	2,633	4,323	8,622	6,198	2,686	260			44,186
Sea bass, black.....	79					740	1,993	385			87		2,785
Sea bass, white.....	219	2,020	2,263	14,417	8,782	21,962	18,030	18,905	85	655	1,887	15,361	104,607
Shark.....	12,363	4,396	2,988	7,184	17,606	18,898	11,686	3,081	7,012	13,981	10,578	15,003	134,767
Sheep-head.....	1,185	1,331	3,975	12					190	892	1,437	6,100	11,772
Shiote.....			69	77									146
Sole.....	1,284	1,039	1,194	227	75	68	20					1,643	5,500
Swordfish.....							9,787	493	2,294	11,328	7,054		21,661
Tuna, albacore.....							389,879	290,808	81,863	63,830	279		858,827
Tuna, bluefin.....						57	153,396	176,116					281,639
Whitefish, ocean.....												657	657
Yellowtail.....				1,448	2,568	1,106	255	583					5,960
Miscellaneous fish.....	36		4	42	90	107			6				286

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

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:													
Barramunda, California										4,832			4,832
Chub				5,644									5,644
Clupea	310			2,700									3,010
Coarctus, white (Kingfish)													135
Groper				180									180
Halibut, California						145							145
Rockfish							4,188						4,188
Snappers, white	1,410			8,741		660	2,206	22,264		600			35,741
Tuna, skipjack	1,144,297	1,382,332	2,155,273	699,987	327,768	2,066,289	1,718,560						8,564,239
Tuna, yellowfin	271,142			3,351			677,854	37,568		682,892	48,401		2,741,258
							234,989			142,424			677,796
Crustaceans:													
Prawns										2,600			2,600
Total pounds	1,720	1,565,349	1,392,332	2,301,235	699,987	327,768	3,005,096	1,778,392		913,279	48,401		12,019,919
Grand total, San Diego region	4,673,377	4,628,280	6,330,141	8,282,903	8,306,023	10,693,740	19,712,191	22,218,431	12,219,019	11,109,747	11,951,884	13,006,720	132,798,588

* See Table 11 for origin of shipments.

TABLE 20—Cont'd.

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:								
Anechovy.....					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 (Kingfish).....					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
SeatROUT, 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.....	12,669,842	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.....								
Miscellaneous fish.....	189,165	4,540	139	13	48,757	2,163	5,487	178

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								
Barracuda, California.....								
Cabrilla.....								
Carp.....								
Catfish.....			155	\$50				
Corvina, shortfin.....								
Croaker, white (Kingfish).....								
Eel.....								
Grouper.....								
Halibut, California.....								
Halibut, Pacific.....					4,292	\$258		
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	1,438,846	239,909
Bonito.....			2,353,085	229,661	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.....							29,754	6,244
Corvina, shortfin.....			180	45			180	45
Croaker, white (Kingfish).....	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	166,440
Lingcod.....	20,169	1,867	7,350	567	1,607	165	949,976	65,392
Mackerel, jack.....	8,619,355	297,368	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	34,209	4,532	12,217,885	540,857
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.....			75,232	18,290	44,306	8,769	119,538	27,059
Sculpin, staghorn.....							3,120	146
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								
Barracuda, 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 (Kingfish).....							135	11
Eel.....			1,544	540	135	11	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.....		\$2,510,140	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.....	65,873	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	\$101,479	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	288,451
	Rockfish.....	17,060	481,322
	All other.....	12,554	195,966
	Totals.....	\$502,188	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	46,923
	Smelt.....	7,454	96,934
	All other.....	15,489	230,971
	Totals.....	\$480,266	3,820,872
Sausalito.....	Albacore.....	\$182,673	923,993
	Crab.....	8,435	58,565
	All other.....	3,746	15,550
	Totals.....	\$195,854	998,108
Tomaes Bay (Marshall).....	Pacific herring.....	\$38,625	2,361,803
	Eastern oyster.....	28,360	129,733
	Pacific oyster.....	11,442	99,844
	All other.....	5,432	36,340
	Totals.....	\$83,259	2,627,720
Princeton.....	Salmon.....	\$38,856	142,565
	Crab.....	17,683	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.....	38,314	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.....	130,592	2,453,290
	Pacific mackerel.....	128,804	2,855,967
	Squid.....	73,442	3,513,950
	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.....	280,521	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.....	37,065	667,221
	Squid.....	32,866	1,572,533
	Pacific mackerel.....	20,840	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	537,729
	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.....	16,791	68,945
	Yellowtail.....	15,010	160,017
	Albacore.....	10,995	54,727
	Swordfish.....	9,001	18,689
	White croaker (Kingfish).....	8,608	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	7,857,298
	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.....	\$1,008,417	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	646,041
	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	---	---	---	51,985	---	51,985
Miscellaneous fish	1,230	---	---	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	---	---	---	765	---	765
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	79,561	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	---	28,677,754	4,511,019	38,224,222
Tuna, bigeye	93,786	---	68,951	1,082,200	---	1,249,937
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	3,901	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	
Shark	755	87,574,937	
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	Total fishing boat landings		
Anchovy.....	42,410,214	----	----	42,410,214	----	42,410,214
Barracuda, California.....	485,946	----	1,076,793	1,562,739	25,872	1,588,611
Bonito.....	218,701	----	2,100,359	2,319,060	3,901	2,322,961
Cabezon.....	6,212	----	----	6,212	----	6,212
Cabrilla.....	----	----	155,547	155,547	4,510	160,057
Carp.....	506,216	----	----	506,216	----	506,216
Corvina, shortfin.....	----	----	----	----	113	113
Croaker, white (Kingfish).....	913,674	----	128	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	808	662,139
Halibut, Pacific.....	90,682	----	----	90,682	20,803	111,485
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.....	25,031,679	----	360,925	25,392,604	----	25,392,604
Midshipman.....	2,865	----	----	2,865	----	2,865
Needlefish, California.....	200	----	----	200	----	200
Opaleye.....	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	12,650,541
Sablefish.....	2,268,945	88,268	318	2,357,531	447,387	2,804,918
Salmon.....	9,497,173	1,451	----	9,498,624	506,034	10,094,658
Sanddab.....	749,771	3,700	----	753,471	----	753,471
Sardine.....	134,091,068	----	2,412,949	136,504,017	5,790	136,509,767
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	409,653
Seabass, white.....	434,354	----	771,757	1,206,111	440	1,206,551
Shad.....	737,481	----	----	737,481	----	737,481
Shark.....	733,397	----	36,940	770,337	755	771,092
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	64,573,673
Tuna, bigeye.....	----	----	----	----	1,249,937	1,249,937
Tuna, bluefin.....	5,647,572	----	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:													
Anchovy.....	3,629,039	5,062,418	1,618,909	4,127,321	4,088,563	1,658,040	3,505,040	5,116,532	5,988,359	2,643,358	2,172,754	2,908,575	42,410,214
Barnaclefish, California.....	22,246	131,563	149,105	222,231	329,620	198,311	95,484	79,291	4,894	147,299	112,159	74,595	1,562,739
Bonito.....	364,181	18,356	3,324	525	77,647	36,465	211,988	75,034	110,653	479,094	419,888	321,875	2,319,090
Calappa.....	1,865	414	1,323	889	91		16		361	41	897	275	6,312
California.....	49,729	20,022			5,379	46,815	11,800		4,067	7,998	5,291	10,255	155,547
Crab.....	29,199	35,091	67,276	196,449	53,924	38,679	22,321	13,170	31,445	48,192	37,669	23,749	606,216
Craker, white (Kingfish).....	33,672	51,349	90,329	290,195	199,343	61,345	50,284	73,961	33,169	48,074	33,379	20,939	913,862
Dolphinfish, common.....							19	220					239
Flounder.....	15,910	22,831	118,204	61,485	42,290	22,248	8,744	31,431	58,745	33,221	20,331	33,348	509,580
Flyingfish.....					1,250	8,754	2,281	1,201	219				13,748
Groper.....	81,237	127,179	47,834	28,289	6,867	8,644	3,358		3,534	17,909	97,558	79,831	322,230
Hake.....	9,638	15,402	11,462	41,514	54,425	76,777	65,582	90,378	71,442	78,929	50,098	47,195	611,522
Hallibut.....	2,513	5,513	4,785	5,577	6,549	2,270	6,494	3,329	3,337	2,998	1,786	4,256	50,097
Hallibut, California.....	66,799	82,469	56,917	69,077	44,861	44,825	63,726	57,414	33,359	27,781	72,039	60,412	661,331
Hallibut, Pacific.....	732	8,456	4,268	1,232	6,825	35,113	12,868	13,788	2,360	1,176	2,353	1,496	90,682
Headhead.....	9,204	3,229	3,966	2,299	938	5	10	33	5,789	34,898	26,409	7,282	84,081
Herring, Pacific.....	238,518	187,723	32,663	23,190	73,010	139,660	92,064	73,800	1,162	13,350	3,508	39,378	911,906
Langost.....	16,524	30,249	72,092	30,027	101,261	110,267	136,797	133,209	112,202	68,179	41,717	35,962	947,243
Mackerel, jack.....	63,428	272,208	388,069	54,146	269,201	199,075	6,099,715	4,924,453	1,699,128	1,092	316,482	738,273	17,333,547
Mackerel, Pacific.....	93,365	21,099	767,897	626,552	377,337	288,692	3,229,499	4,493,219	5,035,929	1,055,535	6,629,789	3,861,041	28,392,694
Midshipman.....											2,865		2,865
Newellfish, California.....								390					390
Opaleye.....	569	670	390	900	2,023	919	431	569	669	728	194	343	6,067
Pink.....	4,294	7,495	16,459	39,032	130	145	18,774	9,060	6,174	3,333	6,194	7,898	118,499
Pompano, California.....		909	423	3,998	9,931	1,351	1,945	20,825	3,782	1,312	100	429	44,002
Ratfish.....						1,300	847	2,315			300	800	5,925
Rock bass.....	1,129	632	992	14		239	14			119			3,143
Rockfish.....	1,056,214	1,110,445	1,716,736	1,093,281	1,081,286	1,123,628	782,518	807,202	990,788	1,251,612	1,044,998	665,231	12,640,729
Sablefish.....	177,884	165,389	230,329	234,434	130,196	203,761	198,493	266,140	292,697	273,330	169,197	115,740	2,387,331
Salmon.....	1,294	361	2,985	8,557	932,941	2,629,627	2,945,619	1,632,594	1,511,859		2,694	7,993	9,466,624

DEPARTMENT OF FISH AND GAME

TABLE 31
Monthly Landings and Shipments Into California During 1954

Sardines	48,569	48,450	79,239	62,833	56,982	79,479	62,869	92,790	67,874	55,250	52,543	48,872	753,471
Sardines, California	636,731	78,604	71,144	101,973	199,103	303,214	515,828	847,893	1,794,874	58,202,337	37,677,770	16,688,096	136,904,017
Sargo, California								2,049					2,049
Sculpin	3,914	6,398	7,492	14,246	6,272	29,396	24,138	24,659	4,208	441	792	13,281	134,297
Sculpin, staghorn	205	200	430	70					185	630	1,255	250	3,215
Sea bream, black	21,005	41,127	5,791	9,616	17,320	65,080	6,937	10,301	18,842	26,762	37,167	70,418	330,276
Sea bream, white	11,276	31,828	15,398	43,993	91,591	102,687	102,317	351,518	190,894	91,151	104,773	65,715	1,205,111
Shad		18,463	219,856	498,987	2,235								737,481
Shark	19,787	37,311	37,945	44,599	62,645	56,718	69,049	170,359	118,329	73,835	40,492	41,168	770,337
Sheep-head	6,725	7,769	977	715	105	274	1,365	1,618	213	3,697	5,338	2,345	29,184
Sierra			168				42			355			565
Skate	12,942	8,591	13,799	13,462	8,189	8,599	8,847	11,491	9,249	8,112	20,329	15,637	136,221
Sole	47,718	33,568	74,658	92,181	51,369	45,005	96,129	72,051	54,418	47,355	25,238	14,622	609,006
Sole	1,182,798	892,749	1,817,142	1,657,063	2,289,587	2,145,293	1,613,676	2,181,543	2,188,767	1,784,027	1,949,499	1,329,044	19,732,179
Spyglass		291	215	69					179			56	782
Swalefish						177	8,128	4,531	9,091	3,188			23,055
Tuna, albacore			1,065	649	2,966	2,806,842	8,119,293	7,638,344	2,259,393	391,551			98,236
Tuna, bluefin	569,905	317,190	29,820	239,611	496,819	1,398,262	6,619,959	7,104,682	3,359,800	261,656	46,013	601,063	21,024,820
Tuna, skipjack	4,761,608	5,942,952	10,694,207	11,832,649	11,961,230	15,983,026	15,209,642	15,454,134	14,008,027	8,629,135	14,917,738	16,660,070	153,756,190
Tuna, yellowfin	11,944,292	9,283,222	5,633,007	11,809,811	11,497,736	15,129,479	15,926,926	2,563,273	8,095,342	3,093,119	7,858,097	8,623,139	119,951,795
Turbot	6,982	35,282	24,628	12,461	15,674	11,914	9,067	5,135	14,199	16,041	17,481	6,474	175,918
Wahoo					2,532							2,531	6,363
Whitefish	8,483	19,697	49,600	83,367	49,965	27,021	13,215	12,124	1,643	1,785	154	1,677	367,281
Whitefish, ocean	338	272	215	180		200	175	84	68	488	650	166	2,624
Yellowtail	227,227	199,377	47,300	200,773	317,800	155,481	2,371	20,910	8,566	82,710	37,230	303,583	1,656,778
Miscellaneous fish	59	1,228	221	543	566	1,185	118	109	90	133	64		4,316
Crustacean:													
Crab	1,742,699	1,963,686	791,200	309,888	302,443	112,201	99,331				1,823,287	1,411,481	7,828,208
Crab, rock		2,292	2,243	1,205	764	458	1,055	889	1,208	6,272	8,204	7,091	39,058
Lobster, spiny	119,462	121,258	87,115							200,049	190,000	182,816	901,800
Prawn	821	411	264	19	183	35		185	110	109	509	218	2,665
Shrimp, bay	22,869	7,669	38,321	26,266		71,240	89,005	149,440	209,851	61,540	1,331	31,890	744,768
Shrimp, ocean					31,567	50,845	88,166	95,459	7,759				296,797
Mollusk:													
Abalone	249,919		303,554	906,131	459,776	321,018	295,331	366,655	284,999	302,496	190,944	428,902	4,099,625
Clam, gopher		80	188	160	229	190	129	26		49	80	60	1,966
Clam, jackknife	1,614	2,483	2,739	3,603	6,032	5,343	6,942	5,705	3,838	2,364	1,834	1,130	43,747
Clam, Washington	893	1,246	3,273	1,339	728	18			691	698	942	814	10,279
Mussel			90			100	174	144					996

THE MARINE FISH CATCH OF CALIFORNIA
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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
Octopus.....	2,652	2,818	4,604	2,813	1,302	1,108	691	2,724	1,065	1,902	3,543	5,388	30,758
Oyster, eastern.....	10,689	10,673	11,115	12,012	8,941	8,130	7,750	8,703	7,325	14,246	12,617	13,643	124,928
Oyster, native.....	.....	.....	.....	.....	1,725	2,160	1,440	.....	.....	156	140	556	6,917
Oyster, Pacific.....	18,484	24,676	26,300	42,327	18,009	13,176	14,685	14,330	27,063	44,211	69,127	138,182	460,620
Snail, sea.....	62	80	.....	.....	.....	.....	.....	124	70	.....	.....	.....	336
Squid.....	4,305	775,042	412,834	1,792,088	513,049	376,763	136,740	68,420	1,074,633	1,804,933	720,990	473,208	8,155,105
Miscellaneous mollusk.....	.....	.....	.....	22	.....	.....	.....	.....	.....	.....	.....	10	32
Total pounds.....	37,564,768	26,408,468	35,598,022	36,982,758	37,140,331	43,382,784	67,834,071	69,693,201	55,314,460	83,860,518	96,108,192	54,937,406	635,831,309
Shipments/													
Bakersfield, California.....	.....	.....	.....	.....	.....	.....	.....	58,972	.....	2,346	1,555	.....	23,872
Bainbridge.....	.....	.....	.....	.....	783	.....	3,727	.....	.....	.....	.....	.....	3,910
Calexico.....	.....	.....	.....	.....	113	.....	.....	.....	.....	.....	.....	.....	4,610
Corvina, abertina.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	113
Halibut, California.....	.....	.....	.....	808	.....	.....	.....	.....	.....	.....	.....	.....	808
Halibut, Pacific.....	10,637	50	.....	.....	.....	2,000	.....	.....	2,116	3,000	.....	2,900	20,803
Rockfish.....	.....	.....	.....	.....	.....	.....	671	5,131	2,688	.....	.....	.....	9,812
Sablefish.....	32,127	812	78,963	33,865	22,291	13,628	27,887	32,643	102,011	38,648	61,903	.....	447,287
Salmon.....	133,029	83,876	71,214	61,069	5,784	1,000	65,230	16,500	51,872	14,011	37,197	.....	369,034
Sardine.....	2,000	1,300	2,000	200	.....	.....	.....	.....	.....	.....	.....	.....	5,700
Sea bass, black.....	.....	.....	.....	.....	1,706	.....	38,387	10,078	714	5,130	.....	3,372	59,377
Sea bass, white.....	.....	.....	.....	.....	.....	.....	.....	440	.....	.....	.....	.....	440
Shark.....	.....	.....	.....	.....	.....	.....	.....	.....	418	.....	.....	.....	758
Tuna, albacore.....	1,096,452	3,431,353	2,292,560	2,836,094	4,351,323	2,379,005	7,160,344	6,529,307	2,915,210	1,218,404	1,485,623	2,469,813	38,495,283
Tuna, bigeye.....	85,299	.....	.....	.....	78,445	77,532	187,648	614,546	116,843	87,119	.....	32,303	1,249,937
Tuna, bluefin.....	.....	.....	.....	.....	.....	152,118	220,640	72,007	.....	5,660	.....	187,251	638,286
Tuna, orange.....	.....	.....	.....	.....	60,977	.....	.....	.....	.....	.....	.....	.....	71,854
Tuna, skipjack.....	601,180	380,733	747,250	693,133	1,853,850	1,697,625	1,679,262	2,784,827	802,204	21,000	1,732,211	2,813,612	18,707,756
Tuna, yellowfin.....	1,629,448	1,892,887	2,360,327	3,048,563	3,346,400	4,504,542	4,904,115	3,950,410	914,304	1,229,028	823,546	2,390,128	29,701,888
Yellowtail.....	.....	.....	.....	.....	12,082	.....	.....	1,400	200	765	.....	.....	13,602
Miscellaneous fish.....	.....	200	.....	600	.....	13,323	38,266	.....	16,440	62,599	.....	730	132,154

DEPARTMENT OF FISH AND GAME

TABLE 31—Cont'd.

Crustaceans:												100	
	Shrimp.....												
	Mollusks:												
	Clam, Pismo.....	172,152	183,806										356,048
Total pounds.....	4,192,181	5,953,218	5,746,669	5,704,932	11,599,032	8,693,860	11,207,979	14,062,096	4,628,911	2,653,911	4,151,982	8,009,446	87,874,037
Grand total fishing boat landings and shipments.....	41,726,949	32,372,186	31,344,691	35,657,210	65,739,363	82,079,644	79,942,080	74,745,897	59,943,371	86,620,459	100,269,174	62,947,052	713,496,346

¹ For origin of shipments see Table 29.

THE MAINE 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.....								719					1,434
Flounder.....	978	279	77,630	28,194	18,341	4,889	8,135	33,997	29,382	17,847	6,008	1,511	218,548
Hake.....	4,418	12,727	3,552	10,107	10,300	38,366	38,027	46,073	50,132	74,878	23,281	32,745	345,543
Hallibut, Pacific.....					6,416	34,477	11,538	12,364	791	70			65,646
Herring, Pacific.....		1,398											5,288
Lincod.....	1,977	4,492	23,292	24,852	61,110	101,993	93,497	93,501	76,391	39,097	8,174	1,195	529,584
Mackerel, jack.....									279				279
Perch.....	1,383	1,681	9,691	14,818			11,172	4,098	3,749	934	2,254	2,332	32,022
Roadfish.....	46,749	228,509	317,591	141,838	273,733	338,340	215,380	308,771	290,325	288,146	199,973	31,359	2,782,883
Sablefish.....	20,320	32,012	92,829	116,074	62,822	130,575	127,456	209,379	143,859	196,798	95,433	35,990	1,718,961
Salmon.....				445,373	1,240,833	1,636,535	855,991	348,738					3,927,060
Sanddab.....	3,150	7,327	9,799	7,366	18,698	32,591	26,326	19,087	14,615	10,924	4,715	556	135,211
Shark.....	19	89	1,261	173	1,234	296				1,663	239		4,868
Skate.....	3,155		273								600		4,025
Smelt.....		657	2,278	12,936	7,612	6,356	3,588	5,172	3,299	697	180	80	42,471
Sole.....	282,081	263,881	694,128	632,454	1,382,325	1,360,993	1,132,340	1,481,046	1,664,133	1,249,878	478,809	574,769	10,717,138
Tuna, albacore.....								136,994	202,114	9,279	8,186		356,173
Turbot.....	3,091	29,515	9,492	5,972	10,883	6,711	3,374	169	1,370	2,080	968	97	73,244
Whitefish.....	961	2,827	11,575	24,985	25,268	14,948	10,774	12,424	157				104,967
Miscellaneous fish.....		836				4	63	6	23	100	45		1,077
Crustaceans:													
Crab.....	1,364,741	888,708	702,963	439,165	353,961	36,646	15,332					87,820	3,742,379
Shrimp, ocean.....					44,230	42,671	60,868	31,126					168,893
Mollusks:													
Clam, Washington.....	779	1,346	3,231	1,215	734					461	695	942	10,167
Octopus.....		160	490	80	230	345	247	242					1,764
Total pounds.....	1,728,336	1,473,196	1,988,542	1,497,697	2,548,999	3,333,443	2,797,135	3,351,358	2,604,453	1,897,675	714,806	722,631	21,828,215

DEPARTMENT OF FISH AND GAME

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

Fishing boat landings from waters north of the state boundary:										
Pomfret.....	3,339	295	13,763	31	796	1,756	813	1,400		21,846
Hake.....	4,800	6,457	13,757	5,000	14,398	11,881	5,535	2,029	12,232	65,000
Lingcod.....	614	2,499	10,565	5,494	4,519	9,883	13,373	4,233	616	32,744
Rockfish.....	61	82,369	27,505	30,441	79,079	37,758	58,472	38,472	26,616	11,203
Sablefish.....	122	6,073	6,666	7,886	17,798	18,714	9,492	5,231	11,034	4,589
Salmon.....										88,298
Sueddab.....		280	668		77	1,193	38	190		1,451
Sole.....	1,795	113,237	291,829	574,014	63	366	2,312	321	147,230	2,700
Turbot.....		8,753	839	353	479,353	703,911	305,190	219,287	93,000	2,671,736
Miscellaneous fish.....						4,877				14,565
Crustaceans:								43		43
Shrimp, ocean.....				4,190	2,465					6,655
Total pounds.....	1,922	220,700	336,589	686,021	589,143	973,137	997,856	273,360	191,735	123,568
Grand total, Eureka region.....	1,740,458	1,473,156	2,179,242	1,834,379	3,333,014	3,942,599	3,099,272	3,649,114	2,877,821	2,949,310
								838,374	893,067	27,781,880

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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
Fishing boat landings from California waters:													
Carp.....	29,160	34,741	67,132	106,369	51,924	38,679	21,917	13,170	21,445	48,102	37,889	21,962	564,431
Flounder.....	200	72											272
Haddock.....	8,594	2,919	3,550	2,209	928	5	10	32	5,789	34,898	28,409	7,282	92,925
Salmon.....	1,254	361	2,065	2,839	14,591	4,333		65,672	794,999		2,694		900,951
Shad.....			18,483	219,886	496,867	2,233							727,481
Squid.....		391	215	60					170				782
Miscellaneous fish.....										20			20
Total pounds, Sacramento region...	39,848	38,415	91,445	327,664	596,349	45,483	21,927	78,874	821,503	83,020	66,972	36,273	2,236,923

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:													
Anchovy.....	2,439			7,280	21,249	43,909	49,125	41,200	34,955	56,220	5,200		261,799
Caldose.....				385					323				758
Carp.....		300	141	50									494
Craker, white (Kingfish).....	13	72	174	351	91	185	4,016	975	105	19			6,070
Flounder.....	2,099	12,455	28,099	25,911	12,147	20,863	2,206	17,824	23,753	13,324	13,931		126,564
Hake.....	5,320	675				125		1,550	8,533	1,000			12,103
Halibut, California.....	83	940	474	149	46	71	147	158	178	123	201		2,792
Halibut, Pacific.....	732	8,426	4,765	1,757	409	636	1,280	1,424	1,599	1,106	2,353		23,036
Hardhead.....	310	310	446	80									1,156
Herring, Pacific.....	238,518	171,340	25,933		300						3,662		35,988
Lingcod.....	9,929	21,656	35,520	20,740	21,901	22,612	26,955	21,423	13,859	11,129	22,725	9,293	233,741
Perch.....	1,209	1,091	5,008	13,193	100		6,967	4,232	242	983	839	669	35,170
Rockfish.....	478,415	303,811	394,478	241,750	113,111	149,893	95,094	84,208	205,921	337,406	336,896	187,901	2,994,427
Saltsfish.....	61,530	45,344	77,223	31,088	10,808	31,649	13,235	21,270	7,701	24,688	25,082	27,461	395,188
Salmon.....				223,173	991,287	1,340,359	599,831	354,739					3,380,182
Sandfish.....	37,106	34,328	84,191	25,933	11,065	28,741	14,281	33,946	39,082	35,512	38,504	29,797	389,459
Sealion, atahori.....	209	200	420	70					185	630	1,255	260	3,215
Sealion, white.....	29			85	65			31	4,382	3,741	511		11,423
Shark.....	1,084	2,648	1,612	3,823	468	1,224	2,411	5,950	11,173	17,181	1,093	2,037	60,270
Skate.....	3,529	4,660	9,329	10,745	4,290	5,373	3,370	9,649	7,622	5,020	10,722		14,858
Squid.....	9,429	16,968	30,544	62,729	22,995	25,061	13,245	23,703	29,499	35,330	7,696	6,532	295,441
Sole.....	790,791	402,734	698,002	479,114	207,512	210,064	201,227	218,296	394,199	207,955	205,098	446,730	4,781,993
Tuna, albacore.....	1,467	2,767	2,924	4,119	3,453	4,849	1,116	4,995	12,219	13,388	15,567	3,379	70,207
Yellowtail.....	6,947	14,136	9,560	8,991	7,753	7,818	1,403						55,992
Miscellaneous fish.....		12	78	70			34		53	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
Crustaceans:													
Crab.....	373,026	105,120	40,416	50,958	39,302	91,686	83,226				1,822,237	1,382,122	4,020,235
Shrimp, bay.....	22,989	7,969	28,321	26,266	71,260	80,605	149,440	206,831	91,540	1,596	13,131	31,800	744,268
Shrimp, ocean.....						3,938	37,311	63,745	7,750				112,751
Mollusks:													
Albatross.....	2,000				3,050	550		5,821	330				13,553
Clam, Washington.....	24		24	34	24	16							112
Ostropod.....	207	242	834	653	330	217	265	1,479	605	191	1,294	2,464	6,113
Oyster, eastern.....	10,659	10,973	11,115	12,017	8,041	8,130	7,759	8,703	2,335	14,346	12,617	13,613	124,928
Oyster, native.....				70	1,735	2,160	1,489			186	180	306	6,047
Oyster, Pacific.....	18,067	20,784	15,114	17,377	10,619	7,549	6,233	6,000	9,163	12,591	12,457	13,175	146,101
Squid.....								2,180	700				2,880
Total pounds.....	1,092,631	1,226,803	1,306,672	1,066,690	795,414	1,640,607	2,064,130	1,956,094	1,748,686	1,017,320	2,776,639	2,208,484	20,140,511
Shipments:¹													
Halibut, Pacific.....	10,637	0				3,000			2,116	3,000		2,000	20,803
Salmon.....	26,823	26,320	22,749	12,984	3,723	26,687	13,343	13,931	2,955	27,438			158,236
Sardines.....	309	10,897	21,071	8,632	500			48,116				2,000	90,625
Tuna.....	3,000	1,200	2,000	250	500								6,500
Tuna, albacore.....	170,472	287,992	933,464	671,351	728,195	694,397	218,874	408,412	440,389	187,222	37,299		3,032,800
Tuna, bigeye.....	41,000					29,777							70,777
Tuna, skipjack.....		79,661	86,487										166,148
Tuna, yellowfin.....	95,650	317,143	733,333	228,172	509,475	400,311	279,565	252,877	108,605	691,896	399,319		4,368,307
Miscellaneous fish.....				600									600
Total pounds.....	282,791	625,713	1,668,875	939,745	1,230,785	1,141,180	519,126	671,632	613,148	905,093	450,677	682,819	9,588,594
Grand total, San Francisco region.....	2,345,422	2,153,316	3,312,848	2,006,795	2,046,209	2,781,787	2,583,256	2,667,726	2,362,834	1,922,413	3,227,316	2,691,303	30,099,115

¹ See Table 29 for origin of shipments.

DEPARTMENT OF FISH AND GAME

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:													
Anchovy.....	2,470			138,495		500		56,000	1,250	5,900		40,000	215,175
Cabazon.....	1,781	271	1,253	494	10		16		28	18	827	375	5,203
Croaker, white (Kingfish).....	15,542	22,470	9,319	7,921	32,108	16,700	27,002	54,261	33,445	35,643	21,141	5,311	271,772
Flounder.....	10,705	5,111	6,665	8,182	361	1,302	1,413	2,324	330	1,900	4,675	10,612	54,113
Hake.....			3,910	24,850	28,338	33,288	18,059	30,474	4,240	1,225	12,815	7,850	165,247
Hallbut, California.....	3,350	3,328	1,480	771	208	6,121	7,229	6,203	535	109	3,929	8,083	41,346
Herring, Pacific.....		14,048	6,650	23,190	74,810	120,460	91,445	75,800	1,102	13,350	46		429,501
Lingcod.....	7,692	3,349	9,551	8,758	5,149	6,075	9,375	9,115	5,014	6,439	7,746		104,504
Mackerel, jack.....	100		176,785	1,845	10,480	2,833	27,028	4,701,105	1,314,720	307	100		6,345,504
Mackerel, Pacific.....				150			774	3,315					4,239
Needlefish, California.....								200					300
Perch.....	405	641	647	11,295		145	975	712	1,700	468	391	1,300	18,565
Pompano, California.....		11		1,287	9,695	325	1,108	20,804	2,370	1,130	34	1	27,458
Rainbow.....					1,200	847	2,315			200	800	5,925	11,287
Rockfish.....	418,273	412,815	365,413	459,954	481,100	471,889	395,099	224,465	354,099	485,725	444,423	361,655	5,177,756
Salmon.....	92,657	84,600	41,208	59,105	18,141	33,144	42,101	25,473	44,887	66,447	71,154	61,825	631,652
Salmon, white.....													974,203
Sea bass.....	4,407	4,694	11,004	35,387	21,816	14,500	20,786	35,644	10,272	7,722	5,515	6,970	171,277
Sardines.....						495	3,693	6,693	815		3		11,699
Shark.....	2,465	2,654	18,275	740	3,901	1,117	3,248	3,198	102	2,739	8,127	4,543	50,610
Skate.....	592	606	978	1,050	3,358	2,864	2,148	1,851	1,417	949	1,732	633	17,735
Southern.....	9,884	5,161	1,140	6,700	11,111	12,852	20,656	49,664	17,841	15,800	12,502	5,309	169,160
Sole.....	69,708	102,629	73,215	103,622	85,830	43,926	42,558	42,629	64,573	47,602	35,020		794,164
Sweetfish.....									300	303			603
Tuna, albacore.....							2,583	541,564	2,069,484	690,131	210,166	4,781	3,519,078
Turbot.....	871	90	532	632		55						300	2,220
Whitefish.....	975	2,984	24,888	51,391	17,022	4,319	1,638		1,486	1,785	154	742	106,081
Miscellaneous fish.....	35		42										77

THESE FIGURES REPRESENT THE TOTAL MONTHLY FISH CATCH OF CALIFORNIA

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	1,533	218	6	573	203				596	1,612	9,235
Prawn.....	821	411	294	19	97			51	110	109	359	248	2,480
Mollusk:													
Abalone.....	1,000												1,000
Clam, gillnet.....		30	158	160	220	160	120	20	575	40	60	60	1,008
Outshell.....	2,419	2,298	2,533	1,785	505	31	141	1,012	678	1,353	1,591	2,554	17,508
Squid.....	229	214,990	412,790	1,792,088	598,430	328,145	199,665	65,090	1,073,883	1,894,033	720,465	444,293	7,474,992
Miscellaneous mollusk.....				22								10	32
Total pounds.....	648,205	686,195	1,371,616	2,730,100	1,514,602	1,350,929	1,253,462	6,185,007	8,013,303	3,192,103	1,565,241	1,651,973	26,772,436
Shipments:													
Tuna, albacore.....					2,540								2,540
Tuna, skipjack.....		154,001	136,769	142,240									432,110
Tuna, yellowfin.....	140,127	140,071	482,087	286,341	99,809								1,148,335
Crustacean:													
Shrimp.....					190								190
Total pounds.....	140,127	294,072	618,856	429,681	102,340								1,582,185
Grand totals, Monterey region.....	788,332	1,181,167	1,990,472	3,159,781	1,616,941	1,350,929	1,253,462	6,185,007	8,013,303	3,192,103	1,565,241	1,651,973	28,354,621

¹ See Table 29 for origin of shipments.

DEPARTMENT OF FISH AND GAME

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
Fishing boat landings from California water:													
Anchorry.....	1,720,380	918,943	651,650	1,415,600	1,043,520	446,900	1,448,739	3,572,873	2,591,690	1,143,377	1,039,360	411,650	16,507,392
Barracuda, California.....											4,268		4,268
Bonito.....								2,445					2,445
Calceon.....	24	43	70	10	81						23		251
Croaker, white (Kingfish).....		2,530				50			206	967	1,542	35	4,330
Flounder.....	1,611	3,613	2,731	1,846	875	200			15	548	661	2,563	13,086
Halibut, California.....	21,742	23,923	12,554	27,672	19,832	19,239	11,898	3,294	7,110	8,652	13,172	20,395	191,115
Herring, Pacific.....		837					619						1,559
Lingcod.....	325	749	1,715	2,188	2,438	1,872	1,308	1,354	3,365	4,233	5,280	1,222	31,751
Mackerel, jack.....	208,650	614,109	664,102	373,903	31,000		57,233	214,670	129	295	191,470	604,870	2,764,453
Mackerel, Pacific.....			15,150				97,284	376,975	126,084	7,000	699,552	331,600	1,650,265
Midshipman.....													2,865
Perch.....	1,200	3,183	903	113	30		20	18	483	948	2,707	3,107	12,712
Pompano, California.....						330					49		379
Rockfish.....	55,250	45,021	67,193	86,751	95,615	27,324	19,070	11,806	14,673	86,137	44,177	32,093	580,619
Sablefish.....	3,455	3,296	2,461	303	970	188				4,142	545	5,905	21,272
Salmon.....					73,083	138,490	30,418	35,768	66				306,855
Sardines.....	246	602	1,146	730	1,178		899	333	257	198	363	1,614	7,668
Sardines.....						25,500	253,399	462,490	1,360,800	17,632,850	4,024,858	373,030	24,433,317
Sea bass, black.....					77	200		135					388
Sea bass, white.....	239	282	1,476	6,574	4,737	11,712	10,146	5,619	15,254	1,093	16,076	2,713	76,231
Shark.....	1,804	21,591	2,209	6,870	6,070	21,690	53,296	142,155	94,850	31,904	7,557	2,002	391,868
Sheep-head.....	1,516	3,683	265		30	215	265			1,706	3,169		11,874
Skate.....	4,903	3,151	2,799	1,049	300					1,278	6,887	664	20,830
Smelt.....	38	500			67			329		179	2,393	828	7,321

THE MARINE FISH CATCH OF CALIFORNIA

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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.....	91,415	86,038	133,746	149,615	106,170	81,426	13,215	16,885	25,285	32,332	47,736	97,028	852,901
Swordfish.....									300				300
Tuna, albacore.....					6,335	56,765	488	348,769	397,293	43,317	16,183	5,388	811,450
Tuna, bluefin.....					1,035	268	24,297	2,222	18,149				107,052
Turbot.....	1,913	3,910	2,907	1,275	1,035					373	918	2,988	13,662
Miscellaneous fish.....	24	250	85	433	57	213				13	19		1,095
Crustacean:													
Crab.....	2,307	5,534	17,088	19,377	9,276	291	566				231	796	55,969
Crab, rock.....										412	796	950	1,968
Lobster, spiny.....	40,900	49,734	33,864							35,148	46,592	53,800	259,248
Prawn.....					46	20		134					215
Shrimp, rock.....					3,147	1,774		3,869					5,810
Mollusk:													
Abalone.....	86,042		87,067	209,355	121,615	73,371	229,535	267,825	167,827	62,449	65,936	122,953	1,533,966
Octopus.....	33	118	207	107	116	15			93	135	128		944
Oyster, Pacific.....	417	3,362	21,196	24,550	7,500	5,627	8,480	7,780	17,009	31,509	56,670	133,007	311,510
Squid.....											200		200
Total pounds.....	2,037,903	1,294,116	1,677,652	2,670,425	1,880,457	907,334	2,261,971	5,273,588	5,244,768	19,472,611	6,291,450	2,295,612	51,202,287
Shipments:													
Tuna, albacore.....									46,455			22,495	68,951
Tuna, yellowfin.....									4,700	45,300			50,000
Total pounds.....									51,155	45,300			118,551
Grand total, Santa Barbara region.....	2,037,903	1,294,116	1,677,652	2,670,425	1,880,457	907,334	2,261,971	5,273,588	5,295,923	19,473,211	6,291,450	2,298,108	51,421,238

¹ See Table 29 for origin of shipments.

DEPARTMENT OF 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.....	1,894,709	4,144,475	994,200	2,565,946	3,023,603	1,166,731	2,007,182	1,445,580	2,559,139	1,339,461	1,125,944	2,456,925	23,002,045
Barracuda, California.....	7,124	3,307	218	4,858	38,532	62,863	19,203	18,621	1,031	8,441	5,555	42,220	183,580
Bonito.....				84	131	472	2,441	251	1,151	5,555			69,607
Carf.....							894						894
Croaker, white (Kingfish).....	17,467	26,004	69,365	181,023	187,144	31,865	15,151	9,311	8,079	7,538	10,318	14,949	609,465
Flycatcher.....					1,280	8,724	2,261	1,201	213				13,748
Halmson.....	2,513	5,513	6,788	5,577	6,549	2,270	4,494	3,229	3,337	2,498	1,951	4,355	49,462
Hallbut, California.....	5,819	23,153	33,184	18,204	12,051	9,504	9,394	9,067	5,974	6,833	4,549	3,685	138,570
Lingcod.....		29					12	28	36	16	10		123
MacKenzi, jack.....	63,528	64,555	95,864	188,199	173,209	170,140	6,814,454	201,768	294,008	310	124,912	123,803	8,318,720
MacKenzi, Pacific.....	95,356	21,009	752,747	626,552	377,187	270,237	2,968,984	3,091,778	4,866,672	1,005,672	5,908,747	2,141,426	23,024,377
Opaleye.....	505	479	960	960	2,923	739	431	569	469	691	194	543	8,871
Pompano, California.....	494	425	2,511	325	1,053	507	322	412	173	17	428		6,765
Rockfish.....	82,208	65,139	68,371	81,793	62,283	73,342	10,062	15,166	39,561	21,919	22,914	41,751	543,639
Sablefish.....		47	61	188	109		7	26	1,192	239	23		1,932
Salmon.....					18	10	6,837						6,563
Sardine.....	1,570	1,509	1,919	2,283	2,365	2,268	1,197	1,644	2,946	2,889	2,193	1,289	23,564
Sardine, California.....	626,731	76,054	71,144	101,572	139,103	277,319	355,256	378,860	433,259	463,242	513,298,441	12,761,649	109,674,328
Sargo, California.....								2,040					2,040
Scupin.....	2,056	1,048	1,633	1,653	5,124	19,721	13,802	15,376	4,122	395	792	7,839	73,451
Sea bass, black.....					278	118	722	434	391	213			8
Sea bass, white.....	79	5,964	1,907	16,539	64,354	87,500	42,530	39,148	1,977	9,309	5,042	3,140	247,079
Shark.....	5,000	7,072	9,220	15,376	21,015	11,703	3,973	5,958	2,797	2,698	2,356	2,026	61,024
Sharp-head.....	739	296	207	36	66			880	62	105	259	209	2,866
Skate.....	675	394	199	648	438	649	132		219	99	191		3,449
Snail.....	28,109	9,724	19,790	9,636	9,489	1,616	2,907	1,112	3,800	3,085	2,470	1,179	92,637
Sole.....	189	361	214	629	536	81	118			39			2,249
Sweetfish.....					177	5,299	658	123	1,798				9,941
Tuna, albacore.....					1,827	1,813,781	2,011,984	2,822,805	880,895	182,827	85,124		7,465,446
Tuna, bluefin.....				1,900	396,372	730,667	967,878	1,607,408	1,222,428	27,617	41		211,000

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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.....								4,099	9,069	670			14,839
Whitefish, ocean.....	72	188	80			200	175	48	68				767
Yellowtail.....				17	1,392	1,236	939	384		215			4,183
Miscellaneous fish.....				38	356	360	55						809
Crustaceans:													
Crab, rock.....	556	201	479	344	411	1,053	840	8,209	4,336	830	2,390	2,457	18,417
Lobster, spiny.....	63,166	50,456	36,051							90,439	91,174		186,613
Mollusks:													
Abalone.....	148,792		195,986	602,243	311,143	332,304	39,853	78,167	45,838	202,945	117,400	206,990	2,243,850
Octopus.....			120	238	201				22	225	829		1,426
Snail, sea.....	82	80							124	70			336
Squid.....	4,085	510,295			6,619	48,618	37,075	1,150			325		627,182
Total pounds.....	3,011,332	5,038,628	2,330,289	4,461,024	4,776,025	3,190,021	11,327,474	9,944,190	12,765,039	43,800,382	60,846,182	18,269,956	182,870,001
Fishing boat landings from south of the international boundary:													
Barracuda, California.....	5,169	133,210	111,416	212,200	116,060	24	60,073	60,003	3,648	120,253	70,145	87,227	910,568
Bonito.....	384,053	14,215	1,065	351	77,563	82	125,277	3,093	7,049	132,666	42,376	71,561	823,471
Cabealla.....		60,720	20,022		5,379	46,915	14,400		4,987	7,698	4,558		103,555
Dogfish, common.....							19		299				318
Grouper.....	80,965	137,179	98,909	23,041	6,967	8,011	3,358		3,834	17,909	97,558	74,440	307,401
Halibut.....										400	303		703
Halibut, California.....		8,290					19,454	17,132	1,815	2,358	20,113		63,062
Mackerel, jack.....													300,808
Mackerel, Pacific.....													236
Rock bass.....	335	335	602	14		220	14			110			1,216
Rockfish.....		14,755	14,640	3,950	4,300	5,200	14,595		1,065	7,170	51,543	9,370	126,678
Shadfish.....			318										318
Sardine.....													2,362,942
Sea bass, black.....	19,981	39,606	4,840	8,066	17,482	64,626	6,080	8,099	16,928	24,895	48,549	65,436	314,984
Sea bass, white.....		5,909	3,234	12,370	4,373	11,714	31,149	188,699	144,433	80,513	43,714	33,989	579,007

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DEPARTMENT OF FISH AND GAME

TABLE 37

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

	290	40	31	1,210	2,105	2,333	3,100	7,298	6,182	6,055	29,497
Shark.....			160		350				175	130	815
Sheep-head.....	168			42				355			905
Swordfish.....			1,055	640	1,047,745	1,110,805	290,063	15,509			2,655,827
Tuna, albacore.....	590,905	317,190	29,820	238,611	54,821	394,638	3,717,355	4,554,165	2,054,318	234,339	45,970
Tuna, bluefin.....	7,870,156	2,733,628	8,696,787	7,281,693	6,180,156	11,002,328	9,381,093	7,099,183	8,242,085	4,084,703	6,592,641
Tuna, skipjack.....	6,217,031	4,101,314	3,464,296	7,782,349	5,941,479	10,125,730	10,325,474	5,076,718	4,623,392	1,839,677	4,132,470
Tuna, yellowfin.....			90								3,539,844
Walrus.....					2,829						2,821
Whitefish, ocean.....								485	500	130	1,355
Yellowtail.....	8,345	183,126	20,779	128,824	61,885	57,727	631	8,914	1,282	1,291	31,109
Miscellaneous fish.....	130										80,881
Total pounds.....	14,796,480	7,676,805	10,348,599	15,968,351	12,478,912	22,317,817	37,162,448	15,126,787	15,397,910	6,239,600	11,198,156
Shipments: ¹											176,517,751
Barracuda, California.....							493				490
Bonito.....									1,855		1,855
Cabrilla.....				783		8,727					4,510
Corvina, shortfin.....				113							113
Rockfish.....						673	8,451	3,898			9,812
Salbfish.....	5,304	812	42,443	1,065	9,297	9,903	7,090	24,200	88,980	33,580	29,467
Salmon.....	134,820	73,279	30,143	84,467	2,764	1,000	48,330	19,300	2,799	14,611	37,197
Sea bass, black.....					1,706		32,166	6,707	5,120		3,372
Shark.....									515		330
Tuna, albacore.....	1,294,899	2,133,034	1,318,739	1,859,827	2,991,036	919,924	5,131,733	6,119,381	2,474,830	1,003,242	1,447,723
Tuna, bluefin.....	41,299				78,445	37,765	187,548	614,546	70,388	37,119	1,067,300
Tuna, skipjack.....					60,972						187,261
Tuna, yellowfin.....					1,169,798	804,768	1,607,963	801,263			71,884
Yellowtail.....	1,134,164	1,068,777	29,844	105,388	1,197,672	3,270,875	1,169,982	2,632,463	666,190	491,832	349,673
Miscellaneous fish.....											1,782,877
Yellowtail.....		205						1,405		265	1,670
Miscellaneous fish.....					13,323	38,263		16,449		62,889	130,924
Mollusk:											356,048
Clam, Pismo.....		172,132	183,896								
Total pounds.....	3,241,675	3,623,350	2,642,201	4,267,067	8,633,811	8,393,218	7,424,191	10,491,776	3,825,540	1,697,588	2,684,001
Grand total, Los Angeles region.....	21,060,287	16,338,643	15,319,080	24,781,435	25,788,748	30,910,089	48,914,113	38,562,753	31,989,049	51,787,840	74,698,939

THE MARINE FISH CATCH OF CALIFORNIA

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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
Fishing boat landings from California waters:													
Anchovy.....	114	687	408	1,099	154,500	123,142	15,788	250			2,250		2,409
Barramundi, California.....						34,999	82,907	44,358		9,253	12,084		3,497
Bonito.....													600
Carp.....													600
Croaker, white (Kingfish).....	950	214	1,470			1,466	3,235	9,246	2,725	888	378		21,997
Halibut, California.....	3,598	10,836	2,892	12,932	3,449	2,876	600	230	2,905	6,499	11,500	7,449	68,829
Lingcod.....		81			128					18			247
Mackerel, Pacific.....						18,678	163,926	31,151	40,873	42,833	31,160	24,107	353,778
Opaleye.....						100				36			196
Rockfish.....	2,845	2,641	6,981	9,839	1,734	900	1,837	3,490	279	198	208	331	31,980
Salmon.....							847						847
Sardine.....				176		38	110			140			450
Sardine.....										17,158	367,481	586,475	971,994
Scupin.....	1,358	8,350	6,389	12,805	1,445	9,645	10,356	6,983	176	146			60,846
Sus boat, black.....			162	365	77	107		707		417			2,381
Sus boat, white.....	1,623	15,609	5,215	3,124	16,204	20,607	1,920	10,967	3,722	3,949	7,389	5,112	94,949
Shark.....	8,568	3,023	5,171	16,487	29,197	19,828	2,924	10,285	5,968	8,296	13,696	21,044	144,457
Sheepshead.....	3,769	3,445	495	819	20		20		11	1,242	1,349	1,263	12,133
Shrimp.....										214	187		401
Snail.....	248		908	130	93					50			1,376
Swordfish.....								1,460	5,057	1,047			7,564
Tuna, albacore.....							246,804	295,218	129,067	240,388	18,254	22,653	932,284
Tuna, bluefin.....					97,791	146,041	311,503	191,845	12,491				759,217
Whitefish, ocean.....		165	125	190									480
Yellowtail.....				310	5,686	237	127	1,110	137	175	91		7,663
Miscellaneous fish.....			4		183	373		50					782
Crustacean:													
Crab, rock.....	2,276	1,742	1,116	420	47					3,010	5,014	4,301	18,833
Lobster, spiny.....	15,289	12,168	17,530							74,412	52,924	33,630	208,983

DEPARTMENT OF FISH AND GAME

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

Mollusk:													
Absolon.....	2,185		19,501	43,433	23,068	15,793	25,943	24,240	70,004	37,111	6,918	38,854	307,150
Clam, jackknife.....	1,614	2,483	2,739	3,903	6,032	5,343	6,942	5,760	3,338	2,364	1,834	1,130	45,417
Mussel.....		49,757	44		86	190	172	144					666
Squid.....													49,801
Total pounds.....	43,617	108,358	71,620	105,430	298,739	400,758	854,514	639,819	278,280	453,318	532,960	756,094	4,584,096
Fishing boat landings from waters south of the international boundary:													
Barramunda, California.....	14,789	4,359	37,963	3,124	408	3,280		387	215	18,906	37,746	2,399	197,233
Bonito.....	30,148	3,341	2,319	194		1,022	9,381	22,158	103,362	335,884	262,862	494,997	1,276,888
Cabrillo.....													333
Croaker, white (Kingfish).....										128			128
Groupers.....	342		3,025	3,229		933							1,391
Haddock, California.....	19,158	16,058	8,583	58		8,882	15,141	21,530	15,142	425	9,521	6,531	118,199
Mackenz, Pacific.....						17							17
Rock bass.....	799	197											987
Rockfish.....	310												2,539
Sardines.....											415	969	49,007
Sea bass, black.....	1,024	1,521	890	585	4,326			4,091	1,126	1,653	9,684	4,437	29,437
Sea bass, white.....	9,577	4,007	3,827	5,164	1,645	782	16,479	106,748	19,456	28,468	31,324	17,973	242,150
Shark.....	777	700	218		9	239	535	410	217	2,256	1,497	961	7,443
Sheepshead.....	210	213	10		55		813	138	130		15		1,496
Swordfish.....							878	2,333	3,226				4,437
Tuna, albacore.....						1,239	4,692,480	3,128,925	1,231,413	272,041	33,990	380	9,332,368
Tuna, bluefin.....						30,997	50,151	3,166	258,632	42,423			785,869
Tuna, skipjack.....	7,181,252	3,209,384	2,477,610	4,599,847	5,901,274	4,281,078	6,424,028	6,330,299	5,732,253	4,383,792	7,268,097	5,984,029	68,181,453
Tuna, yellowfin.....	5,717,262	5,182,209	2,469,609	3,317,863	5,466,317	4,063,749	3,411,021	4,498,585	3,984,730	2,462,733	3,723,627	5,083,395	52,341,020
Whitefish, ocean.....	466		30					536				30	1,612
Yellowtail.....	218,882	41,451	16,721	71,822	248,997	126,291	671	16,202	6,847	81,029	23,000	222,672	1,076,835
Miscellaneous fish.....			12										12
Crustacean:													
Lobster, spiny.....	197												197
Total pounds.....	13,335,594	8,466,012	6,022,977	7,782,018	11,854,028	9,878,147	16,778,853	14,800,338	11,158,630	7,833,884	11,992,218	14,735,165	133,025,851

THE MARINE FISH CATCH OF CALIFORNIA
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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
Halibut, California.....			898										898
Sea lion, black.....							6,231		3,371	714			10,306
Sablefish, white.....								440					440
Tuna, albacore.....	171,081	910,587	30,297	305,516	556,491	664,717	1,806,735	4,514				30,629	4,515,567
Tuna, bluefin.....						192,118	205,640	72,007					470,765
Tuna, skipjack.....			541,609	444,495	636,198	796,889	773,498	1,717,274	599		553,150		1,054,746
Tuna, yellowfin.....	256,367	306,086	197,831	317,749	516,198	833,656	454,568	1,065,070	134,809		93,824		6,913,798
Yellowtail.....						12,692			200				13,892
Total pounds.....	427,588	1,219,693	679,727	1,065,069	1,711,877	2,159,462	3,264,662	2,588,688	139,668	5,660	1,048,704	1,441,005	16,053,203
Grand totals, San Diego region.....	13,706,799	9,703,953	6,774,343	8,926,914	13,605,644	12,138,467	20,898,049	18,328,335	11,572,038	8,012,543	13,571,882	16,932,864	184,262,680

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								
Cabezon					758	15	5,203	164
Cabrilla								
Carp			504,431	\$27,441	494	39		
Croaker, white (Kingfish)					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
Opaleye								
Perch	52,022	6,909			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	3,928,941	1,196,392	900,961	292,270	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								
Sculpin, staghorn					3,215	161		
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.....							2,480	992
Prawn.....								
Shrimp, bay.....					744,768	52,804		
Shrimp, ocean.....	175,536	17,642			112,751	8,457		
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	7,474,992	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								
Barracuda, California.....								
Bonito.....								
Cabrilla.....								
Corvina, shortfin.....								
Halibut, California.....								
Halibut, Pacific.....					20,803	\$4,747		
Rockfish.....								
Sablefish.....					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.....								
Miscellaneous fish.....					1,230	517		
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	28,358,621	\$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 (Kingfish).....	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.....	1,556	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	691,299
Mackerel, Pacific.....	1,650,285	58,750	23,385,285	731,959	352,795	17,570	25,392,604	808,592
Midshipman.....	2,865	143					2,865	143
Needlefish, California.....							200	10
Opaleye.....			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.....	21,272	1,472	2,250	176			2,357,531	172,829
Salmon.....	306,825	94,901	6,565	2,378	847	287	9,498,624	2,834,313
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.....			2,040	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.....			85,564,737	12,854,501	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	20,574,581
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.....	259,248	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					296,797	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	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	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	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	1,048,484
	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	653,296
	Crab.....	47,860	324,697
	Albacore.....	32,897	181,853
	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
Benicia.....	Salmon.....	\$33,405	114,756
	Shad.....	3,269	46,505
	Carp.....	2	37
	Totals.....	\$36,676	161,298
Sacramento.....	Salmon.....	\$27,686	95,107
	Hardhead.....	4,363	10,400
	All other.....	226	1,644
	Totals.....	\$32,275	107,151
Antioch.....	Carp.....	\$4,054	85,550
	Totals.....	\$4,054	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	93,786
	Smelt.....	11,335	168,669
	Lingcod.....	10,410	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.....	161,885	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.....	\$478,043	2,553,648
	Salmon.....	55,347	190,328
	Jack mackerel.....	47,636	1,396,960
	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.....	\$207,580	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	877,002
	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.....	1,557	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	1,552,250
	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	69,600
	Totals.....	\$259,172	2,561,306

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*

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 Santa 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	84,781,959
	Skipjack.....	13,921,446	92,184,172
	Albacore.....	7,654,237	37,875,612
	Bluefin tuna.....	3,022,373	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	1,511,793
	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.....	102,134	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	119,436
	Pacific mackerel.....	14,846	474,298
	Jack mackerel.....	6,238	154,782
	California barracuda.....	6,106	38,545
	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	1,096,757
	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 angler days.....	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. nebulifer*).

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)