

UC San Diego

Fish Bulletin

Title

Fish Bulletin No. 57. The Commercial Fish Catch of California for the Years 1936-1939, Inclusive

Permalink

<https://escholarship.org/uc/item/4kn2g6pr>

Author

Staff of the Bureau of Marine Fisheries

Publication Date

1940-10-01

**STATE OF CALIFORNIA DEPARTMENT OF NATURAL RESOURCES
DIVISION OF FISH AND GAME BUREAU OF MARINE FISHERIES
FISH BULLETIN No. 57**

The Commercial Fish Catch of California for the Years 1936–1939, Inclusive



BY
*THE STAFF OF THE
BUREAU OF MARINE FISHERIES*
1940



FIG. 1. The statistical building of the California State Fisheries Laboratory, Terminal Island. Expansion of the statistical program necessitated the erection of this \$30,000 two-storied building which was first occupied in January, 1937. It provides working space for the statistical staff and the tabulating equipment as well as a fireproof vault for the storage of the records. In addition to statistics on the commercial fisheries, there have been added the marine sport catch, the anglers' catch from inland waters, the game kill and the detailed deer kill record.

FIG. 1. The statistical building of the California State Fisheries Laboratory, Terminal Island. Expansion of the statistical program necessitated the erection of this \$30,000 two-storied building which was first occupied in January, 1937. It provides working space for the statistical staff and the tabulating equipment as well as a fireproof vault for the storage of the records. In addition to statistics on the commercial fisheries, there have been added the marine sport catch, the anglers' catch from inland waters, the game kill and the detailed deer kill record

FOREWORD

Sixth in a series of bulletins dealing with the commercial fish landings in California, this issue is designed to make public these statistical records for the years 1936 to 1939, inclusive. Added to its scope are notes on the marine sport catch, records for which were available for the first time in 1936.

The publication is the work of members of the staff of the Bureau of Marine Fisheries of the Division of Fish and Game, particularly of the statistical unit of the California State Fisheries Laboratory. The cooperation of the Division's Bureau of Patrol and Law Enforcement in the collection of the original material is gratefully acknowledged.

October, 1940

TABLE OF CONTENTS

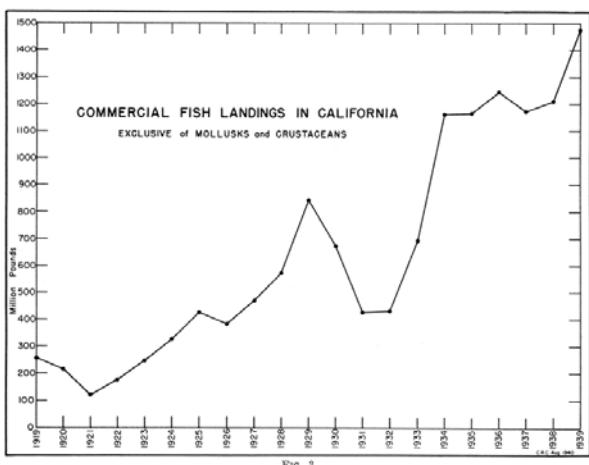
	Page
Trends in the Commercial Fish Catch of California, 1936-1939.....	13
Sport Fishing Catches.....	16
Commercial Fishermen.....	17
Commercial Fishing Fleet.....	21
Tables of Commercial Fish Landings in California, 1936-1939.....	23
Common and Scientific Names of Fishes, Crustaceans, and Mollusks	98



FIG. 2

(7)

FIG. 2



— 8 —

FIG. 3

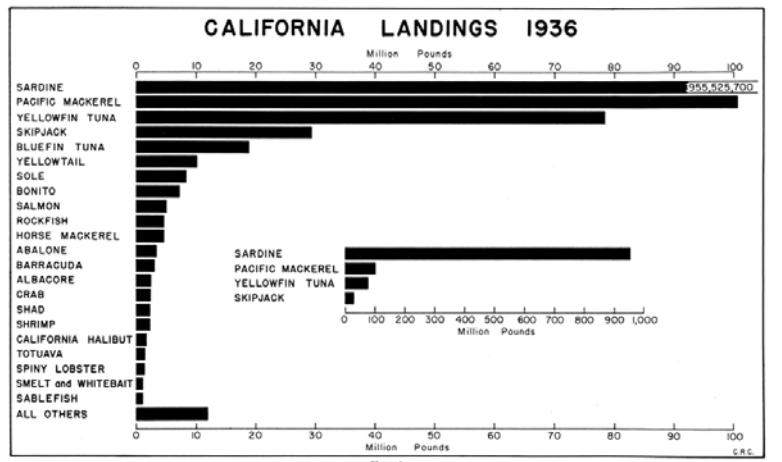


FIG. 4

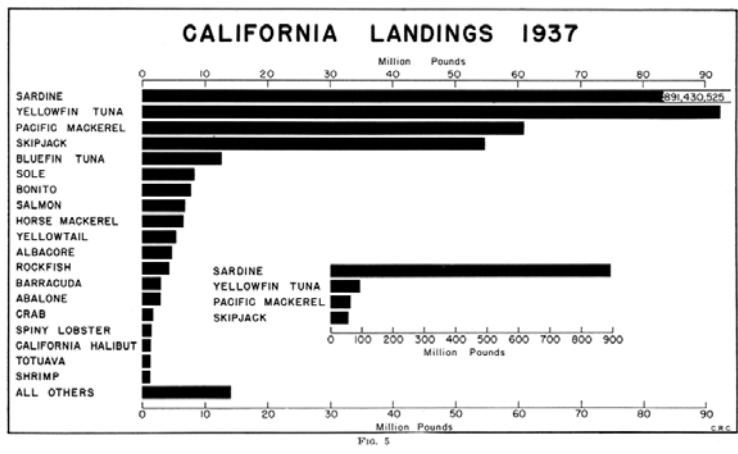


FIG. 5

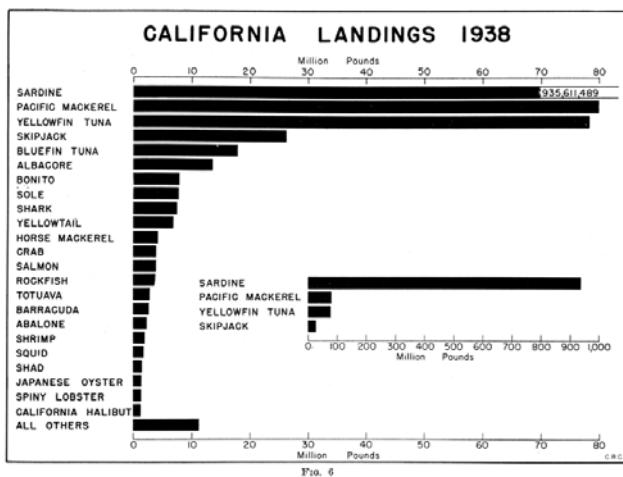


FIG. 6

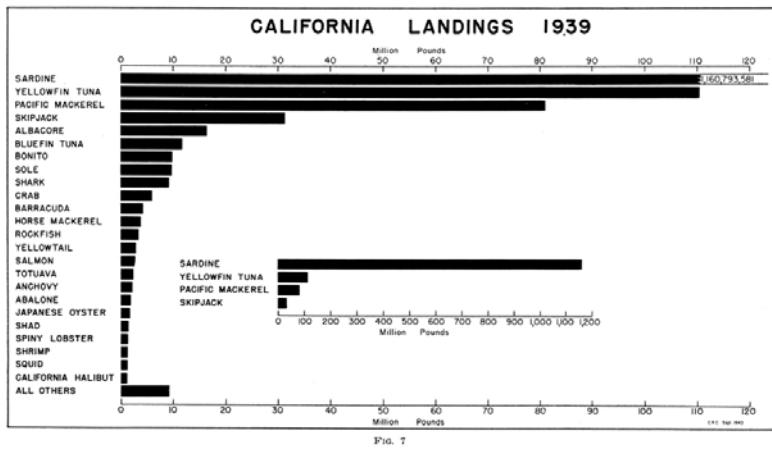


FIG. 7

1. TRENDS IN THE COMMERCIAL FISH CATCH OF CALIFORNIA, 1936–1939

The commercial fish catch of this State for the last twenty-five years has been dominated by those species caught in great quantities for preservation by canning. It is this huge cannery catch that has made California the leading state of the Union in volume of fish harvested from the sea. It follows, therefore, that major changes from year to year in this volume are to be explained by changes in the catch of relatively few species that are delivered to packing plants. Of these species, the sardine dominates the picture because the catch of this one fish is more than double the take of all other varieties combined. The total catch of the State usually is determined by changes in the deliveries of this one species so that the picture of the State's total as shown in figure 3 is practically the trend of the sardine catch. The landings of mackerel and the various kinds of tuna bulk large but are secondary to the great volume of sardines unloaded at the canneries and reduction plants.

Because of increased utilization of fish for canning, the total catch of the State has increased greatly since the depression years of 1931 and 1932. (See Fig. 3.) The average annual catch for the last four years (1936–1939) has been 1,287,000,000 pounds, as compared to 877,000,000 pounds for the four preceding years (1932–1935) and the 1939 catch of 1,486,000,000 pounds is the greatest in the history of the State. This increase is chiefly due to an enlarged fleet of purse seiners for sardine fishing and additional refrigerated boats for the catching of tuna.

We request the reader to remember that the catch represents fish removed from the water, not the supply in the sea. Increased catch may be the result of increased fishing effort and not of increased abundance in the ocean. In fact a large catch often is made in spite of declining abundance of fish up to the point where the supply fails and the fishery suffers a collapse.

The highlights of the fish catch for the last four years have been: (1) the continued landings of sardines in huge amounts with a 1939 catch of more than a billion pounds, (2) a substantial increase in the deliveries of yellowfin tuna to a peak of 110,400,000 pounds in 1939, and (3) a significant decline in the catch of mackerel in spite of increased fishing effort. Two lesser fisheries have displayed spectacular features, one a revived fishery for albacore and the other an entirely new development—the shark fishery.

The albacore, prior to 1926, was one of the State's leading fisheries but for a period of 12 years thereafter the catch did not exceed 5 million pounds. In 1938 this catch jumped to more than 13 million pounds, and the 1939 catch was over 16 million. The local catch off our own State was materially augmented by fish caught in the waters off

Oregon and Washington. There was also a considerable fishery developed at Monterey, whereas in former years the landings at that port were only nominal.

The new development was the sudden change from regarding sharks as a useless nuisance to a scramble among fishermen to capture these newly valuable fishes. The explanation lies in the discovery that sharks in general and soupfin sharks in particular contain in their liver oil a high potency of vitamin A, so much desired for use in fortifying other oils that are used in stock foods. In former years the shark catch of the State was less than a million pounds annually, but after this discovery the 1938 catch jumped to 7½ million pounds, followed in 1939 by a catch of more than 9 million. The price of soupfin sharks has soared to as much as \$200 a ton.—*W. L. Scofield*.

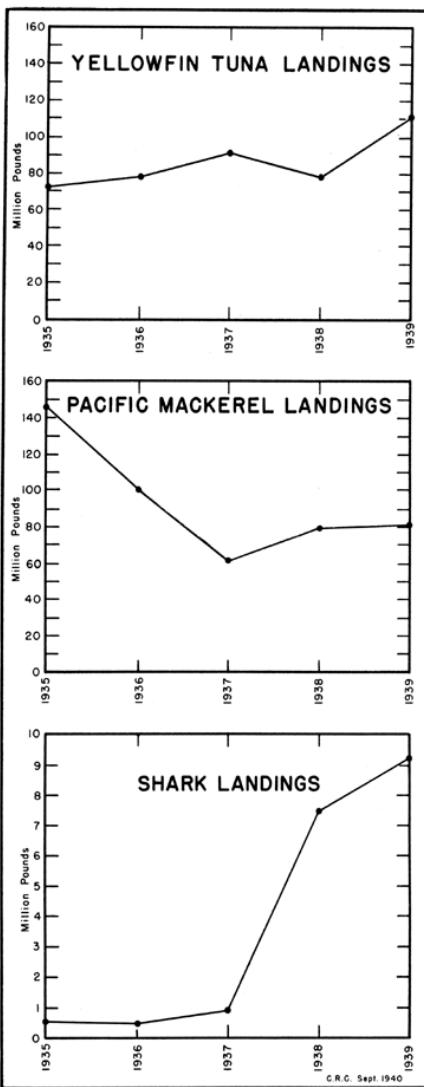


FIG. 8. The construction of many new tuna boats of 300- and 400-ton capacity has made possible the increase in yellowfin tuna landings. Despite many additions to the mackerel fleet, the increased effort has not brought commensurate returns and unless added protection is given to the mackerel this species will be relegated to commercial oblivion. Increased demand for shark livers which contain vitamin A is reflected in the skyrocketing shark catch.

FIG. 8. The construction of many new tuna boats of 300- and 400-ton capacity has made possible the increase in yellowfin tuna landings. Despite many additions to the mackerel fleet, the increased effort has not brought commensurate returns and unless added protection is given to the mackerel this species will be relegated to commercial oblivion. Increased demand for shark livers which contain vitamin A is reflected in the skyrocketing shark catch

2. SPORT FISHING CATCHES

Although this bulletin is concerned primarily with commercial catches it should not be inferred that market and cannery landings account for the entire volume of the fish caught along the California coast—far from it. Sport fishermen in ever increasing numbers are turning to ocean fishing and their catches of some species now actually exceed commercial catches.

During the last twenty years a considerable sport fishing industry has sprung up on our coast, particularly in southern California. There are now several hundred boats, the only or principal occupation of which is to take out fishing parties. As the growth of this fishery was observed, it became apparent to the California Division of Fish and Game that no study of fish catches could be complete without including a measure of the catches made by the anglers. It was obvious that commercial catch records dealt with only a portion of the fish taken and that sportsmen's catches, composed of the same species, played an important part in the general picture of fish abundance and utilization. Consequently, preliminary work on obtaining party boat catch records was started in 1932, and on the passage of necessary legislation a full-fledged program was inaugurated in 1936. Under the terms of the law enacted by the 1935 Legislature, all boats carrying fishermen for hire must keep daily records of their operations. As at least 80 per cent of the fish caught by sportsmen is taken on these boats, their records give an excellent idea of the magnitude of ocean sport fishing as well as providing a sound basis for formulating management policies.

A brief summary of the catches made from the various kinds of passenger fishing boats and barges that operate in ocean waters is presented in the accompanying table. It must be remembered that the figures do not include the catches of anglers fishing from the shore, piers or private boats.—*Richard S. Croker.*

TABLE 1

Ocean Catches of Sportfishing Boats Operating in California*—Pounds of Fish Reported

Species	1936	1937	1938
Barracuda	2,399,177	2,991,501	1,636,074
Yellowtail	1,231,795	821,699	646,905
Rock Bass and Kelp Bass	705,114	470,518	901,488
Pacific Mackerel	480,384	565,437	543,621
Rockfish	309,467	410,168	427,662
California Halibut	322,277	254,249	207,452
White Sea-bass	132,550	117,767	163,131
Tuna, Yellowfin	345,994	25,545	15,096
Tuna, Bonito	97,610	192,771	55,776
Tuna, Bluefin	49,773	65,695	226,161
All others	290,886	488,175	537,982
Totals	6,365,027	6,403,525	5,364,348

* Includes catches made by California boats fishing in Mexican waters.

TABLE 1

Ocean Catches of Sportfishing Boats Operating in California—Pounds of Fish Reported

3. COMMERCIAL FISHERMEN

There has been a steady increase in the number of licensed commercial fishermen operating in California waters over the past four-year period. Part of this is an actual increase but some credit for the mounting license sales must be given to the marine patrol with its fleet of new boats and its closer check on the fishermen. Sport fishermen and small pleasure boat owners in growing numbers are finding it profitable to sell their excess catches, and to do so legally they must have commercial fishing licenses. The revived runs of albacore and

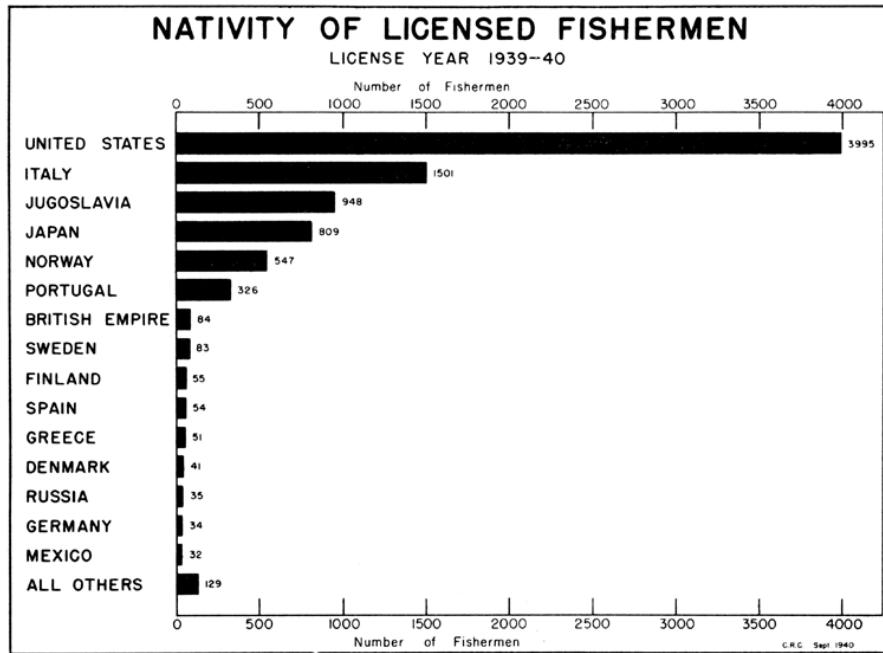


FIG. 9

FIG. 9

the operation of small craft in the mackerel fishery account for some of the additional fishermen in recent years.

The Santa Barbara region is small compared with others but it has made the greatest percentage gain in the numbers of fishermen operating there—over 45 per cent for the past four years. Fishing activities have increased in the waters off San Luis Obispo, Ventura and Santa Barbara counties for several reasons. The rockfish and abalone fishermen from Monterey have found it necessary to fish farther south, the Los Angeles fishermen have gone north for albacore, a large number of fishermen have entered the new shark fishery, and improvements in the harbor at Port Hueneme have encouraged the local fishermen.

Because of the general world-wide unrest, there is a great deal of interest in the nativity of the fishermen operating in our coastal waters. But the presentation of this record in the accompanying chart and tables has not been motivated by foreign wars, State legislation proposed in connection with foreign born fishermen, and exaggerations in current magazine articles of the number of Orientals fishing in California. Nativity records have been routine for years, since only one-third of the commercial fishermen give the United States as their birthplace and it happens that the type of gear and the place of birth go hand in hand with some fishing practices.

Citizenship as well as nativity is of interest, but in the past we have not had a record suitable to use in official reports. We know that the number of fishermen who report that they have taken out first and second citizenship papers increases each year. For the 1939-1940 license year the percentage of citizens among the foreign born fishermen was high; the detailed citizenship record is shown in table 2.

TABLE 2
1939-1940 Licensed Commercial Fishermen

Nativity or race	Citizenship not stated	Alien	First papers	Full citizenship	Total fishermen
United States (less Orientals).....					
Italy.....	115	273	536	3,748	3,748
Japan.....		807		577 (38%)	1,501
Jugoslavia.....	45	21	219	213 (21%)	1,020
Norway.....	5	5	104	663 (70%)	948
Portugal.....	14	140	46	433 (79%)	547
China.....		1		126 (39%)	326
All other foreign born.....	52	101	134	308 (52%)	39
Total fishermen.....	231	1,348	1,039	6,106	8,724

TABLE 2
1939-1940 Licensed Commercial Fishermen

In figure 9 and tables 3 and 4, fishermen born in the United States of Oriental parents are included under the United States classification, as this is the country of their nativity and by reason of their birth here they have attained full citizenship rights. To complete the picture, we list the American fishermen with Oriental parents:

	Fishermen born in the United States of Chinese parentage	Japanese parentage
1936-1937	46 111	
1937-1938	39 131	
1938-1939	43 177	
1939-1940	38 213	

Each year fishermen come south from Alaska, Washington and Oregon to fish commercially in California waters. These men have been included in the nativity tables and in figure 9, and the segregation by place of residence for the four-year period is:

	Alaska	Washington	Oregon	Total out-of-state fishermen
1936-1937	10	426	30	466
1937-1938	5	469	53	527
1938-1939	4	293	12	309
1939-1940	18	383	31	432

The commercial fishing license year runs from April 1 of one year through March 31 of the next, and for that reason the records are given

for the license year rather than the calendar year. The license fee is \$10 for citizens and aliens alike.—*Geraldine Conner.*

TABLE 3
Number of Commercial Fishermen, License Year 1939-1940

Region of residence	Nativity	Number
Del Norte and Eureka.....	United States	153
	Finland.....	36
	All others.....	68
	Total	257
Sacramento.....	United States	244
	Italy.....	149
	Greece.....	27
	All others.....	28
	Total	448
San Francisco.....	United States	451
	Italy.....	436
	Norway.....	257
	Jugoslavia.....	97
	Japan.....	54
	All others.....	92
	Total	1,387
Monterey.....	United States	551
	Italy.....	414
	Japan.....	71
	Spain	38
	All others.....	89
	Total	1,163
Santa Barbara.....	United States	233
	All others.....	65
	Total	298
Los Angeles.....	United States	1,509
	Jugoslavia.....	755
	Japan.....	538
	Italy.....	215
	Norway.....	57
	All others.....	195
	Total	3,269
San Diego.....	United States	710
	Portugal.....	265
	Italy.....	262
	Japan.....	145
	Mexico.....	26
	All others.....	62
	Total	1,470
Alaska, Washington and Oregon fishermen licensed in California.....	Norway	197
	United States	153
	Jugoslavia.....	64
	All others.....	18
	Total	432
Total licensed fishermen, 1939-1940.....		8,724

TABLE 3 Number of Commercial Fishermen, License Year 1939-1940

TABLE 4
Nativity of Commercial Fishermen

1936-1937		1937-1938		1938-1939		1939-1940	
Country of birth	Number of fishermen	Country of birth	Number of fishermen	Country of birth	Number of fishermen	Country of birth	Number of fishermen
United States	2,625	United States	2,662	United States	3,204	United States	3,955
Italy	1,307	Italy	1,303	Italy	1,407	Italy	1,561
Japan	496	Japan	494	Japan	545	Japan	546
Jugoslavia	822	Jugoslavia	891	Japan	572	Japan	809
Norway	499	Norway	521	Norway	482	Norway	547
Portugal	225	Portugal	210	Portugal	202	Portugal	226
Finland	73	Finland	100	British Empire	81	British Empire	54
Bulgaria	69	Bulgaria	72	Greece	62	Greece	53
Sweden	62	Sweden	55	Finland	55	Finland	55
Spain	56	Greece	55	Finland	54	Spain	24
Hungary	53	Hungary	51	Russia	44	Russia	51
Greece	50	Spain	46	Russia	42	Denmark	41
Iraq	48	Iraq	46	Denmark	36	Russia	35
Germany	34	Mexico	43	Mexico	36	Iraq	34
Mexico	26	Germany	38	Germany	35	Mexico	32
All others	101	All others	129	All others	125	All others	129
Total licensed fishermen	6,081		7,665		7,793		8,724

TABLE 4
Nativity of Commercial Fishermen

4. COMMERCIAL FISHING FLEET

The census of the commercial fishing fleet shows a steady increase in the types and sizes of boats following the fisheries which are on the up-grade or which are at the height of activity. The mackerel fishery in the south has brought out almost every small craft that can float. All along the coast the boom in the shark fishery has been the reason for recommissioning many old boats and building new ones. Many new purse seiners were built for the sardine fishery. Perhaps the greatest increase was caused by the number of pleasure boats which were refitted for commercial fishing or whose equipment was increased to permit their use in a semicommercial capacity as party fishing boats. These boats ferry paying guests to the fishing grounds and the excess catches are sold to the markets when the boats return to port. In 1935 a law was enacted requiring operators of fishing party vessels to obtain a permit from the Division of Fish and Game. In 1937 the law was amended to include boats operating on inland waters, and the number of boats requiring permits has more than doubled in the past four years.

1936	266
1937	417
1938	574
1939	568

The commercial fishing boat registration follows the commercial fishing license year from April 1 of one year through March 31 of the next, but the party permit is issued on the basis of the calendar year.—*Geraldine Conner.*

TABLE 5
Commercial Fishing Fleet

Region of home port	Number of boats operating in California			
	1936-1937	1937-1938	1938-1939	1939-1940
Del Norte-Eureka	187	199	205	206
Sacramento.....	243	270	319	283
San Francisco.....	471	485	563	538
Monterey.....	321	331	345	391
Santa Barbara.....	120	109	130	156
Los Angeles.....	879	953	1,027	1,071
San Diego.....	290	307	318	320
Alaska, Washington and Oregon.....	148	186	149	145
Mexico and Panama.....	1	3	1	0
Totals.....	2,660	2,843	3,057	3,110

TABLE 5
Commercial Fishing Fleet

TABLE 6
Commercial Fishing Fleet, 1939-1940

Region of home port	Number of boats, grouped by length in feet					Total number of boats from each region
	Up to 24 feet	25 to 39 feet	40 to 64 feet	65 to 84 feet	85 feet and over	
Del Norte-Eureka.....	13	172	21	-----	-----	206
Sacramento.....	115	163	5	-----	-----	233
San Francisco.....	32	413	63	25	5	538
Monterey.....	122	173	41	54	1	391
Santa Barbara.....	50	84	21	1	-----	156
Los Angeles.....	228	492	195	118	38	1,071
San Diego.....	48	117	76	28	51	320
Alaska, Washington and Oregon.....	-----	31	35	72	7	145
Total number of boats in each length group.....	608	1,645	457	298	102	3,110

TABLE 6
Commercial Fishing Fleet, 1939-1940

5. TABLES OF COMMERCIAL FISH LANDINGS IN CALIFORNIA, 1936–1939

5.1. Contents of Tables

The tables of commercial fish landings in California during 1936, 1937, 1938 and 1939 contain, as they have in the past: (1) the record of fresh and frozen commercial fish¹ landed in California by the fishing boats making the catches, (2) the record of shipments of fresh and frozen fish from other states and foreign countries to California canneries, and (3) the record of shipments of fresh and frozen fish from other states and foreign countries to California fresh fish markets.

State laws which require the reporting of the first two records to the Division of Fish and Game insure their completeness. The third, which is reported voluntarily, is incomplete. Some of the fresh and frozen fish shipments from other states and foreign countries which the tables do not include are: crab and crayfish from Oregon; salmon and halibut from Oregon, Washington and Alaska; clams and oysters from Oregon and Washington; shrimp from Washington, Alaska and the Gulf of Mexico (only a very small proportion of the shrimp from the Gulf of California is reported); farm-raised trout from western states; fresh-water fish from the Great Lakes and Mississippi River; haddock and other filleted fish from the Atlantic Coast; spiny lobsters from the West Indies and South Africa; and swordfish from Japan.

There are several other unreported items which do not fall into any of the three classifications mentioned above, but which are large in amount and are mentioned here so that the reader may have an idea of the limitations of the tables as well as of their extent. These are:

1. Codfish caught in Alaska waters and landed in a salted state in the San Francisco region during 1936 and 1937. The packing plant² which received this fish was destroyed by fire in November, 1937, and deliveries ceased at that time.

2. Sardines delivered to floating reduction plants operating outside the State's jurisdiction (beyond the three-mile limit) during 1936, 1937 and 1938. In December, 1938, these floating plants established shore locations, and since then their receipts of fish have been reported and have been included in the tables of landings.

3. Sardines, anchovies and other small fish caught for live bait. These fish are used immediately, delivered on the fishing grounds to other boats, or put in floating live boxes from which they are taken as needed. As these fish are not brought ashore, they have not been included in the tables of landings and until 1939 no record was made of these catches. In that year bait boat operators began to report their catches to the Division of Fish and Game. They are tabulated separately from the commercial fish landings.

¹ Including mollusks and crustaceans; amphibians and reptiles (2,638 pounds of turtle in 1936; 3,322 pounds in 1939) are excluded.

² Union Fish Company plant at Belvedere on San Francisco Bay.

5.2. Explanatory Notes

The boundaries of the regions of landing shown in the tables are as follows:

Del Norte and Eureka region: Del Norte, Humboldt and Mendocino counties.

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

San Francisco region: Sonoma, Marin, San Francisco and San Mateo counties, including San Francisco and San Pablo bays.

Monterey region: Santa Cruz and Monterey counties.

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

Los Angeles region: Los Angeles and Orange counties.

San Diego region: San Diego and Imperial counties.

Some fish which might appear to have been taken out of season are included in the tables. Small amounts of fish shown in the tables, as landed during the month following the close of the season, were probably caught at the end of the open season and sold within the ten-day period of grace allowed for their disposal after the close of the season. The instances where large amounts of fish are shown landed out-of-season may be explained as follows:

Salmon landed in the San Francisco region during September, 1938, were legally caught from September 10 to 18, 1938. During that period a court order secured by a fishermen's association restrained the Division of Fish and Game from enforcing the closed season.

Crabs landed in the Del Norte and Eureka region during November, 1938, were caught in the San Francisco region where the season was open.

Crabs landed in the Del Norte and Eureka region during September, 1938, and September, 1939, were caught during the open season and held in live boxes until there was a market demand for them.

The following conversion factors are used when shellfish are reported in numbers rather than in pounds: crab, 2 pounds each; abalone, 50 pounds per dozen; gaper clams, 2 pounds each; Pismo clams, 24 pounds per limit of 15; Washington clams, 6½ pounds per dozen; eastern oysters, 30 pounds per hundred; Japanese oysters, 50 pounds per hundred, 8 pounds per gallon cleaned.

5.3. Changes in Form of Tables

"The old order changeth, yielding place to new," is true even of methods of presentation of fisheries statistics. The following tables differ in form from those already published for previous years, although they are the same in content. The changes in form are:

1. Combination in the regional tables of Del Norte with Eureka.

After the closing of the Klamath River to commercial fishermen in 1934, the Del Norte region ceased to represent a distinct geographical fishing area and became more like an extension of the Eureka

region. Because of an expected development of the fisheries at Crescent City, the two regions were tabulated separately during 1934 and 1935. However, as this development has failed to materialize, there now seems to be no reason for the continued separation of the two regions.

2. Separation in the regional tables of fish landed by the boats making the catches (fishing boat landings) from fresh fish brought into the State by other means (shipments).

This has been done because the record of the fishing boat landings is required by law and is quite complete; whereas the record of shipments is furnished voluntarily and is incomplete, except for shipments to canneries which have to be reported for taxation purposes.

3. Combination in the origin table of all fishing areas south of the international boundary (Mexico-United States).

As most of the fish caught south of the boundary can not be allocated to one definite area, the incomplete figures for separate areas were judged to be of little value.

In the 1938 and 1939 tables the result of one important change in method of tabulation can be observed: a decrease in the flatfish landings in the San Francisco region and a corresponding increase in the Del Norte-Eureka and Monterey regions. This has occurred, not because of a sudden shift in the landings of these species from the San Francisco region to the other two, but because of a change in the method of tabulation of the San Francisco trawler fleet catches. This fleet, which is responsible for practically all of the northern California flatfish landings, puts its catches ashore at many landing depots from Crescent City to Monterey, from which points the fish go overland to San Francisco where the business is transacted at the headquarters of the trawler fishing companies. Before January 1, 1938, these landings were all credited to the San Francisco region, their final destination. Beginning with that date, they have been credited to the region in which they are first landed, whether Del Norte and Eureka, San Francisco or Monterey.—*Dorothy Wilson Gay*.

ORIGIN OF COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1936

Species	California	North of State Boundary	South of International Boundary	Japan	Total pounds
Anchovy	195,122				195,122
Barracuda	2,247,858		729,984		2,977,842
Cabezone	18,388				18,388
Carilla			221,767		221,767
Carp	108,890				108,890
Catfish	305,027				305,027
Corbina, Mexican			82,118		82,118
Cultus, Pacific	754,491		3,909		758,400
Dolphin	92				92
Eel	86				86
Flounder, Starry	621,186				621,186
Flying Fish	55,627				55,627
Grouper			60,535		60,535
Hake	50,791				50,791
Halibut, California	783,158		806,273		1,589,432
Halibut, Northern	523,632				523,632
Hardhead	10,670				10,670
Herring, Pacific	840,530				840,530
Kingfish	631,968		166		632,134
Mackerel, Horse	4,598,182		1,200		4,599,382
Mackerel, Pacific	98,828,135		1,714,079		100,542,214
Mackerel, Spanish			17,992		17,992
Mullet	10,571				10,571
Perch	251,622		120		251,742
Pike	497				497
Pompano, California	7,524		402		7,926
Rock Bass	324,405		91,740		416,145
Rockfish	4,494,442		109,462		4,603,904
Sablefish	1,021,082		14,448		1,035,530
Sailfish	5,021,387				5,021,387
Sand Dab	621,675				621,675
Sardine	955,525,049		651		955,525,700
Sculpin	109,751		746		110,497
Sea-bass, Black	19,854		378,741		398,595
Sea-bass, Short-fin	156				156
Sea-bass, Totuava			1,423,800		1,423,800
Sea-bass, White	564,956		242,823		807,779
Sea-trout, California	59				59
Shad	2,272,989				2,272,989
Shark	457,530		14,331		471,861
Sheepshead	115,986		12,591		128,577
Skate	378,200		3,744		381,944
Sole	830,477		2,034		841,231
Sole	8,324,881		147		8,325,008
Split-tail	29,342				29,342
Sucker	48,051				48,051
Swordfish, Broadbill	552,018		25,384		577,402
Swordfish, Marlin	16,353		292		16,645
Tomcod	4,153				4,153
Tuna, Albacore	945,595	11,176		1,499,233	2,456,004
Tuna, Bluefin	13,808,578		5,116,305		18,924,883
Tuna, Bonito	2,216,679		4,999,237		7,215,916
Tuna, Mebachi				20,370	20,370
Tuna, Oriental				745,052	745,052
Tuna, Skipjack	8,456,751		15,549,354	2,264,925	20,271,030
Tuna, Yellowfin	75,374		77,985,413	8,628	78,372,022
Turbot	116,275				116,275
Whitebait	107,738				107,738
Whitefish, Ocean	26,839		19,754		46,603
Yellowtail	253,723		9,838,747		10,002,470
Miscellaneous Fish	177,477		940		178,417
Crustacean:					
Crab	2,311,802				2,311,802
Crab, Rock	16,202				16,202
Lobster, Spiny	414,183		921,676		1,335,859
Shrimp	2,242,710		21,759		2,264,469
Absalone	3,302,195				3,302,195
Clam, Cockle	22,802				22,802
Clam, Gaper	4,490				4,490
Clam, Pismo	209,805				209,805
Clam, Soft-shell	90,971				90,971
Clam, Washington	35,272				35,272
Mussel	750				750
Octopus	62,452				62,452
Oyster, Eastern	318,912				318,912
Oyster, Japanese	310,683				310,683
Oyster, Native	35,669				35,669
Squid	945,439				945,439
Whelk	250				250
Total pounds	1,128,994,317	11,176	123,012,674	4,538,208	1,256,556,375

REGION OF LANDING OF COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1936

Species	Del Norte and Eureka Region	Sacramento Region	San Francisco Region	Monterey Region	Santa Barbara Region	Los Angeles Region	San Diego Region	Total pounds
Anchovy.....	2,020		133,050	50,200		29,532		155,122
Barracuda.....			6,237	11,781	47,350	2,253,899	646,600	2,977,842
Catfish.....					312	1,148		1,158
Codfish.....						97,399	124,371	211,767
Carp.....			108,748	30,000			142	108,800
Catfish.....					3,011			3,011
Cobia, Mexican.....						81,101	1,617	82,118
Conger, Pacific.....	201,092		395,092	155,195	143	400	5,985	735,490
Dolphin.....						92		92
Ed.....				56				56
Fusilier, Starry.....			12,839	673	694,252	3,688		621,186
Flying Fish.....							55,627	55,627
Grouper.....						26,000	39,828	65,828
Hake.....			46,741			4,000		50,791
Hake, California.....			12,356		44,551	263,660	550,434	1,589,433
Haddock.....			45,657					52,323
Haddock.....	477,975	105,079						596,670
Herring, Pacific.....			5,849	831,908	1,215	225		840,630
Kingfish.....				20,000	100	427,234		624,234
Mackerel, Horse.....			15,460		30,802		4,500,000	61,971
Mackerel, Horse.....			464		44,535	8,415,831	24,216	4,369,352
Mackerel, Pacific.....						84,000	10,323	100,323
Mackerel, Sardine.....							10,323	10,323
Mullet.....						15,117		17,892
Patch.....			13,333		96,104	44,307	5,000	10,571
Pike.....						918	3,091	3,091
Pompano, California.....			497					497
Pompano, Florida.....						292		292
Rockfish.....					8	16,120	200,342	199,466
Salmon.....	187,424		861,710	2,619,853	400,981	282,130	231,764	4,603,904
Salmon.....			184,348	1,000	55	184,348	2,111	1,000,350
Salmon.....			3,479,216	949,179	447,548	270	750	3,022,287
Seadab.....			271	250	690,877	21,778	769	311,473
Sardine.....			164,150	119,020	402,542	1,657	232,933	15,855,950
Sculpin.....					80	216	105,791	4,460
Sea-lion, Black.....					23	331	295,611	102,460
Sea-lion, Short-fin.....							156	156
Sea-lion, Tassava.....							398,563	398,563
Sea-lion, Tassava.....							156	156
Sea-trout, California.....	11		4,442		7,681	61,579	1,399,163	1,423,900
Shark.....			2,245,491	54,451	41			2,245,491
Shark.....				157,451		11		157,451
Sheepshead.....					3,103	22,211	224,061	52,000
Skate.....						19,398	91,726	17,453
			218,783		21,379	15,722	16,790	126,877
							11,609	381,944

Sole...	16,556		350,517	135,217	20,033	275,269	9,099	541,231
Sole, Rock...	7,401		7,812,380	133,733	374,279	7,151	53	5,325,006
Sole, White...		20,247					24,142	—
Stander...		45,051					45,051	
Swordfish, Broadbill...				44,228	419,228	113,559	277,402	
Swordfish, Shortbill...					177	177	144,645	
Tomcod...			4,153					4,153
Tuna, Albacore...				42,541	7,753	3,600,038	3,185	7,211,188
Tuna, Bluefin...				22	7,147	17,644,584	1,272,530	18,924,833
Tuna, Bonito...				442	4,176	4,881,003	2,530,290	7,215,916
Tuna, Skipjack...						17	19	20,319
Tuna, Yellowtail...						743,052		743,052
Tuna, Skipjack...					5	11,712,447	17,558,478	29,271,030
Tuna, Yellowtail...					65	30,366,242	54,049,272	75,415,272
Turbot...					45	17,420	24,355	116,275
Whiting...	177,495		105,949	10,574	7,069		52	102,718
Whitefish, Ocean...			13,191					46,950
Yellowtail...						2,147,705	7,944,718	10,092,470
Miscellaneous Fish...	7,150		117	162,883	154	6,719	2,360	1,629
								178,417
Total pounds....	5,397,400		167,946,581	137,080,106	414,838,063	3,364,186	409,534,570	1,256,556,375

MONTHLY COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1936

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Ashley.....	5		5,600	55,743	20,100	25,575	55,425	35,250	25,415	2,055	15	21	185,122
Barracuda.....	44,709	144,723	223,121	585,030	282,264	333,667	288,605	202,745	131,335	164,712	62,551	119,813	2,077,242
Cabonete.....	1,252	905	2,892	3,540	635	1,941	1,634	3,156	743	228	414	755	15,388
Cod.....	41,000	80,000	20,710	20,515	10,000	15,000	15,000	15,000	15,000	2,000	1,000	1,000	221,513
Carp.....	13,597	14,704	19,209	19,099	8,771	8,031	8,500	100	2,630	2,692	9,839	12,312	108,890
Catfish.....	9,006		7,103	35,254	37,305	308	732	1,063	603	64,417	61,889	53,024	310,012
Cetacean, Mexican.....	24,000	32,000	12,527	12,527	12,527	12,527	12,527	12,527	12,527	12,527	12,527	12,527	305,027
Cetus, Pacific.....	34,265		60,943	97,542	44,403	66,148	38,060	39,453	80,054	34,233	87,558	61,456	738,600
Dolphin.....		43,072											—
Dol. (dol.).....			15	25			30	92	4				92
Flounder, Starry.....	35,818	70,600	61,795	62,214	18,561	29,225	73,309	52,967	32,233	28,446	29,255	82,306	621,136
Frigate Fish.....					4,714								5,257
Grouper.....		2,423	21,837	2,244	1,960	1,405	1,000	1,273	1,043	1,310	1,055	557	60,335
Hake.....	506				20,400	637	999	11,000	1,000	3,173	6,072	1,000	31,341
Haddock, California.....	133,645	160,137	133,244	133,244	133,244	133,244	134,907	134,907	141,600	138,540	83,038	97,621	1,339,432
Haddock, Northern.....			6,321	93,244	128,778	214,760	70,027	10,743	20				523,032
Hake, Northern.....	1,311	11,325					141	582	54	2,700	6,250	11,100	14,306
Herring, Pacific.....	352,131	300,170	39,445								5,500	57,412	840,530
Kingfish.....	68,212	49,276	82,872	61,545	49,434	37,792	49,032	35,563	43,859	54,020	49,094	51,194	632,134
Mackerel, Horse.....	60,000	49,276	82,872	61,545	49,434	37,792	49,032	35,563	43,859	54,020	49,094	51,194	632,134
Mackerel, Pacific.....	1,161,642	848,424	1,215,160	916,740	974,076	4,227,150	19,677,764	12,677,764	16,425,910	23,300,581	2,321,989	7,287,015	109,542,214
Mackerel, Spanish.....	325	2,000	97	1,758	1,672	1,053	1,053	1,053	1,053	6,033	6,033	1,053	10,571
Mullet.....		35									1,257	1,257	1,257
Perch.....	25,971	23,203	55,155	63,272	1,205	1,544	14,408	15,021	14,655	9,101	11,314	18,900	231,742
Pike, Common.....		40									4	4	77
Pompano, California.....	2	47	128	105	978	370	917	2,361	1,175	562	793	136	7,926
Rock Bass.....	8,815	12,853	20,888	18,475	47,003	50,813	49,515	84,259	26,599	21,274	30,022	21,171	416,145
Rockfish.....	203,200	200,300	200,300	54,777	30,000	43,200	30,000	200,000	200,000	273,000	40,000	40,000	1,400,504
Sablefish.....	84,516	41,953	64,640	104,191	122,291	201,092	80,789	123,311	82,543	67,893	50,020	9,556	1,035,510
Sand Dab.....	7,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	4,000,000
Sardine.....	51,818	44,655	71,380	30,042	47,605	65,343	44,772	47,725	35,777	25,361	50,190	37,003	61,575
Sardine.....	178,888,443	1,334,212	79,333,420	446,646	718,718	115,780	405,147	21,810,031	146,754,817	130,955,765	140,160,205	174,191,476	953,525,700
Squid.....													10,457
Sea-bass, Black.....	23,116	41,418	21,200	17,653	37,389	32,789	13,696	29,823	49,813	63,698	15,639	18,154	398,565
Sea-bass, Short-fin.....											5	5	15
Sea-bass, White.....	240,730	222,658	370,412	45,212	113,670	36,000	22,252	58,933	55,057	105,919	33,077	32,289	124,430
Seal.....	20,231	23,965	68,170	331,645	6,409								1,423,800
Shad.....	11												29
Shark.....		664	159,958	1,153,492	555,385								2,372,089
Shark.....	47,020	44,702	67,387	31,029	37,177	44,577	23,469	24,924	30,206	36,531	43,558	39,004	471,501
Sheepshead.....	22,267	12,510	14,857	5,544	6,002	5,994	5,994	1,025	6,000	16,571	21,415	21,415	185,577

Skate.....	54,909	44,480	57,166	21,453	28,580	27,313	21,746	20,322	16,452	25,679	32,024	32,408	381,944
Sole.....	65,758	73,031	70,353	50,406	51,082	71,726	69,061	71,101	73,573	68,514	47,368	44,331	8,235,000
Sole.....	745,406	735,457	562,569	881,745	649,730	703,187	653,319	813,157	680,110	444,483	626,100	509,452	7,325,000
Sole.....	10,424	11,154	10,391	6,664	9,325	5,975	7,175	73,947	220,456	200,268	67,044	4,738	182
Swordfish, Sandbill.....	10,424	9,272	—	—	—	—	—	—	—	—	—	—	310
Tuna, Mackerel.....	100	500	—	—	—	53	1,533	1,050	42	—	—	203	4,153
Tuna, Bonito.....	112,830	120,000	127,733	150,144	166,410	231,220	200,900	211,700	217,000	236,011	15,661	4,153	12,450,000
Tuna, Bluefin.....	54,153	122,617	40,953	1,278,069	8,711,220	4,150,500	2,367,617	2,387,197	286,040	1,371,797	1,371,797	1,371,797	18,924,883
Tuna, Roche.....	791,333	304,432	17,724	485,233	105,404	807,365	2,383,143	1,371,007	168,000	256,080	206,110	7,715,316	7,715,316
Tuna, Tuna.....	99,555	—	—	—	—	—	—	—	—	—	—	—	745,053
Tuna, Skipjack.....	4,411	653,857	1,001,351	2,110,531	1,200,190	1,265,500	5,200,500	12,251,000	6,000,000	8,704,500	902,000	20,000	16,307
Tuna, Skipjack.....	4,565,690	2,456,380	7,650,076	5,474,214	11,000,519	7,285,730	9,273,211	4,181,397	2,070,994	7,456,345	4,045,513	7,503,672	73,811,272
Turbot.....	8,953	7,889	26,447	9,116	5,343	8,637	18,353	11,237	2,960	5,393	6,717	5,301	116,275
Whiting, Atlantic.....	11,200	11,200	40,000	11,200	11,200	11,200	11,200	11,200	11,200	11,200	11,200	11,200	117,228
Whitefish, Ocean.....	9,700	5,293	9,395	3,563	1,518	1,691	7	662	1,985	2,468	6,047	5,071	46,003
Yellowtail.....	207,027	232,856	166,820	681,213	1,067,869	437,491	1,484,4	2,968,377	745,441	309,950	457,425	1,180,000	10,002,470
Miscellaneous Fish.....	12,504	11,450	16,470	17,700	15,204	14,249	15,119	15,200	9,252	16,425	16,113	17,417	—
Cuttlefish.....	475,532	374,054	204,854	202,954	162,006	89,572	161,406	53,100	—	405,515	178,052	2,311,802	—
Cod, Rock.....	2,033	1,912	2,597	3,781	1,937	510	842	1,029	543	355	1,000	1,000	16,307
Lobster, Spiny.....	334,947	245,151	245,151	245,151	245,151	245,151	245,151	245,151	245,151	155,867	103,441	194,394	1,323,539
Shrimp.....	44,406	50,886	74,470	—	82,535	112,672	257,394	552,042	517,339	256,339	158,352	91,993	65,339
Mollusks.....	—	—	—	—	—	—	—	—	—	—	—	—	2,204,459
Abalone.....	36,000	—	162,000	473,150	331,633	431,377	271,553	558,450	396,151	166,900	205,714	219,356	3,901,155
Clam, Cockle.....	2,020	1,473	1,040	1,040	1,040	1,040	1,040	1,040	1,040	1,040	1,040	1,040	22,802
Clam, Gaper.....	1,154	182	566	494	416	326	504	470	156	99	95	94	4,490
Clam, Pismo.....	16,020	12,426	14,500	13,656	14,500	18,884	28,400	24,433	21,600	13,643	13,643	15,200	20,000
Clam, Quahog.....	18,100	11,727	18,100	18,100	18,100	18,100	18,100	18,100	18,100	18,100	18,100	18,100	19,971
Clam, Washington.....	4,385	3,383	3,672	3,305	358	341	349	343	343	5,353	3,014	3,218	33,272
Octopus.....	—	—	—	—	—	—	—	—	—	—	—	—	1,255
Oysters, Eastern.....	9,437	5,421	11,913	13,195	4,488	4,855	4,900	7,144	3,452	1,115	2,031	1,289	32,432
Oysters, Southern.....	31,332	29,265	28,107	20,813	18,487	15,905	10,254	14,309	20,275	20,275	14,309	14,309	21,112
Oyster, Native.....	20,000	11,141	11,140	11,140	11,140	11,140	11,140	11,140	11,140	24,000	35,001	25,000	310,983
Oyster, Native.....	243	3,140	8,240	6,575	2,831	3,843	1,794	1,638	933	2,729	3,382	3,382	35,669
Squid.....	29,000	33,905	1,740	43,711	358,473	146,459	40,095	8,728	1,001	21,000	31,000	40,000	94,319
Whelk.....	230	—	—	—	—	—	—	—	—	—	—	—	250
Total pounds.....	180,985,735	88,835,830	94,508,097	14,861,715	22,227,196	26,587,750	42,156,595	50,169,390	185,897,245	173,492,661	153,388,690	153,830,714	1,256,556,275

COMMERCIAL FISH LANDINGS IN DEL NORTE AND EUREKA REGION DURING 1936

Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Anchoy.....													2,020
Cultus, Pacific.....	3,157	18,527	42,234	37,308	8,652	14,521	7,520	12,308	4,789	19,599	21,042	11,330	201,032
Dungeness.....	4,347	4,033	1,444	4,058	77,473	117,396	202,321	65,519	16,198	69	—	140	12,329
Halibut, Northern.....													477,975
Herring, Pacific.....	3,524	2,250	4,958										25
Mackerel, Pacific.....													5,849
Perch.....	1,765	3,068	7,216	1,080	9								464
Rockfish.....	1,595	18,410	14,282	20,509	28,570	19,029	18,897	9,478	12,157	22,359	26,064	185	13,353
Saltwater Fish.....	24,008	18,692	29,809	41,524	103,414	53,720	32,730	40,016	26,706	36,272	9,783	187,424	548,700
Salmon.....													3,479,716
Seal, Dog.....													253
Seagull, California.....	11												11
Sole.....	3,828	1,824	9,159	962	657	45	861	300	2,107	360	341	3,072	15,665
Sole, Rock.....	1,526	2,334	1,234	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Whiting.....	3,382	13,031	33,677	37,163	30,714	35,951	18,053	5,505	941	11	—	—	17,498
Miscellaneous Fish.....	1,451	1,259	919	250	136	441	331	961	46	1,161	46	134	7,153
Crustacean:													
Clam.....	20,528	20,114	20,788	30,214	32,032	31,304	34,304	33,000	—	—	—	6,399	229,900
Mollusk:													
Clam, Cockle.....	56	95	23	54	—	—	—	—	—	—	—	—	331
Clam, Gaper.....	1,032	—	240	144	—	—	—	—	—	—	—	—	1,416
Clam, Washington.....	4,231	3,272	3,119	3,048	—	—	—	—	—	—	—	—	32,449
Otopor.....	12	338	24	68	75	—	—	—	—	—	—	—	789
Total pounds.....	80,521	92,689	132,683	349,409	714,620	662,101	1,409,204	1,469,450	216,224	77,406	55,882	34,523	5,397,405

1
2
3

COMMERCIAL FISH LANDINGS IN SACRAMENTO REGION DURING 1936
Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Carp.....	13,997	14,791	19,209	15,937	8,771	8,081	850	100	2,636	2,092	9,829	12,312	108,748
Dall.....	9,005	6,802	33,150	27,150	308	752	1,093	693	64,417	61,959	55,025	25,952	302,116
Flounder, Starry.....	60	100	353	150	23
Gadus.....	14,311	11,323	10,510	10,650	12,775	11,650	2,700	6,350	11,183	14,806	106,670
Duke.....	20	7	147	2	5	20	20	80	940,179
Salmon.....	7,695	16,362	33,722	95,816	217,843	43,184	153,201	375,143	250
Seal.....	21,380,700	506,450	16,043	1,002,500	34,303,450	38,313,550	33,114,000	35,433,710	144,152,454	2,244,491
Shad.....	694	150,947	1,135,772	940,198	2,556	409	1,016	2,330	20,612	45,931
Sole.....	1,458	2,144	1,458	1,458	1,458	1,458	117
Sucker.....	10,424	9,272	10,391	6,664	5,325	5,972	10
Miscellaneous Fish.....	27	80
Total pounds.....	21,440,771	573,363	258,402	1,313,351	1,197,792	72,192	1,945	1,176,464	34,811,750	38,384,459	33,189,113	35,496,940	167,946,581

COMMERCIAL FISH LANDINGS IN SAN FRANCISCO REGION DURING 1936
Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Anchovy.....	100	400	428	1,114	300	1,133	1,360	1,050	1,050	150	100	200	133,050
Cabaneau.....	22,469	15,411	33,461	36,041	30,461	40,461	21,250	23,560	64,000	25,012	46,000	21,250	6,277
Calico, Pacific.....			18	23							4		86
Ed. Fish.....													
Flounder, Starry.....	30,484	68,165	108,361	61,482	33,433	22,554	21,250	52,250	31,100	20,586	29,075	8,055	604,290
Dabs.....	1,045	1,055	253	469	1,650	1,550	1,1900	1,275	4,955	8,175	9,675	4,770	46,741
Haddock, California.....	1,885	982	961	487	102	2,004	1,142	1,754	431	1,753	925	12,586	
Haddock, Northern.....			2,533	18,771	11,853	11,429	4,608	344					43,637
Herring.....	353,168	297,740	89,200	18,771	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	3,223
Kingfish.....					733	1,294	2,827	4,778	561	1,153	1,153	1,153	86,173
Mackerel, Pacific.....													13,460
Perch.....	5,887	6,134	19,193	21,209	4,217	9,675	4,623	5,399	7,564	11,081	96,104		
Rockfish.....	84,456	69,451	119,151	61,151	34,457	52,744	34,457	42,457	60,457	60,457	109,457	81,150	
Soldierfish.....	3,695	3,755	2,665	240	22,215	21,173	7,833	22,095	3,235		100	933	95,948
Salmon.....													447,548
Seal Dahl.....	50,017	12,523	66,222	74,203	32,274	129,282	109,118	109,439	17,441				2,777
Swordfish.....	7,329,676	69,575	188,450	172,300	371,000	354,400	444,900	1,655,400	17,724,500	28,600,120	31,429,200	31,007,100	119,637,200
Seal-lance, White.....									31	4,051	399		4,442
Sea Lamp, California.....													2
Shad.....					15,210	9,277							24,487
Shark.....	31,538	23,555	33,773	2,558	1,588	1,588	3,059	3,449	7,656	20,556	32,001	12,451	
Shrimps.....	43,425	26,558	44,310	14,055	24,820	21,900	19,610	19,215	13,033	21,255	29,209	29,328	318,783
Smelt.....	14,231	50,651	57,775	29,557	27,305	32,670	37,464	24,726	29,097	21,008	22,772	21,111	380,917
Sole.....	710	694	694	710	655	676	613	700	657	657	30,610	10,000	7,830,222
Tuna.....	190	500					55	62,153	1,050	42		763	4,153
Turbot.....	8,812	7,020	22,223	7,020	4,600	5,041	18,160	11,257	2,007	3,755	5,879	3,531	10,040
Whiting.....	707	1,514	267	1,514	2,233	2,420	4,133	143	89				13,184
Miscellaneous Fish.....	11,465	9,911	15,116	16,330	17,153	14,386	13,511	12,811	12,990	7,696	16,282	13,377	162,888
 Crustacean:													
Crab.....	455,538	353,532	183,298	173,716	188,820	58,172	127,004	19,146		464,042	171,298	2,675,646	
Shrimp.....	43,829	56,744	74,357	81,070	34,757	352,042	317,209	255,937	153,733	84,267	50,999	2,546,549	
 Mollusk:													
Absid.....													33,667
Cham., Cockle.....	98	81	187	67	187	145	147	122	26	29	36	17	1,142
Cham., Open-shelled.....	132	125	296	184	232	55	157	150	59	59	59		3,574
Cham., Round-shelled.....	10,352	9,172	9,653	9,534	9,363	11,337	6,000	6,229	6,299	3,945	4,161	4,005	60,971
Clam, Washington.....	150	111	202	179	238	341	246	244	147	147	147	121	3,523
Oyster, Eastern.....	561	588	2,414	4,114	1,541	459	288	100	125	125	125	125	12,298
Oyster, Western.....	31,332	29,255	25,167	20,183	18,457	15,895	10,354	14,820	20,272	33,353	40,322	49,372	318,912
Oyster, Japanese.....	20,040	14,300	14,300	21,070	21,070	21,070	21,070	21,070	40,519	80,000	20,000	30,000	30,000
Oyster, Pacific.....	243	3,140	8,240	8,578	2,501	3,843	1,794	1,636	953	2,729	3,382	3,382	35,669
Squid.....				210					1,071		1,118	330	2,733
Total pounds.....	9,467,515	1,847,595	1,879,039	1,643,506	1,873,879	1,027,110	2,297,535	3,007,054	19,038,070	26,532,820	32,972,250	32,350,595	137,690,106

14

COMMERCIAL FISH LANDINGS IN MONTEREY REGION DURING 1936
Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Anchovy.....			580	4,670	2,005	485	11,670	10,190	600	576	228	314	30,200
Cabonete.....	1,132	428	2,464	2,426	338	809	1,092	520	576	565	11,769		
Catfish, Pacific.....			2,168	1,151	1,151	1,151	1,151	1,151	1,151	1,151	1,151	1,151	5,169
Codfish, Pacific.....	7,000	8,504	12,967	23,459	10,563	8,533	8,634	14,781	11,573	8,449	17,704	23,037	162,169
Flounder, Starry.....	735	494	545	347	351	371	101	278	55	160	153	110	3,686
Gullfish, Pacific.....	8,319	8,691	13,449	2,916	1,771	1,281	8,484	2,390	117	1,653	876	294	44,331
Herring, Pacific.....	350	160	145	145	140	500	140	500	140	140	140	140	1,213
Kingfish.....	18,044	3,041	33,194	17,203	16,779	19,785	21,358	5,943	14,942	23,091	16,561	17,307	209,283
Mackerel, Horse.....			1,720	1,720	1,720	1,720	1,720	1,720	1,720	1,720	1,720	1,720	10,302
Mackerel, Pacific.....	102,064	69,739	53,157	24,151	25,445	45,358	842,456	3,461,469	496,865	143,932	92,364	88,966	5,418,431
Pewit.....	179	14,227	27,201	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	44,307
Pompano, California.....			81	69	61	73	3,914	482	484	1,399	216		298
Rock Bass.....							S						8
Rosy Fish.....													
Sablefish.....	41,266	11,574	220,102	338,211	253,182	241,980	293,834	253,327	132,332	160,254	178,329	179,302	2,819,933
Sailfish.....							6,813	2,693	11,534	10,276	27,423	14,637	35,456
Sea Bass.....	200	490	15,449	16,500	9,512	7,919	26,460						107,924
Sardine.....	70,265,447	7,538,303	120,539	165,150	115,665	58,310	46,955	19,127,882	94,653,145	63,929,795	75,604,206	71,097,534	402,943,023
Squid.....													80
Sealions, Black.....													20
Sealions, White.....	114	55	173	167	12					6,249	42	207	62
Sea Trout, California.....													7,081
Shad.....			11										11
Shark.....			4,600										3,100
Skate.....	1,304	4,271	6,775	2,145	807	23,945	1,905	705	518	2,189	553	1,704	21,679
Smelt.....	7,950	3,739	2,635	3,053	6,948	23,879	13,103	15,923	20,791	21,273	6,658	4,139	133,257
Sole.....			1,484	3,044	30,161	3,044	3,044	3,044	3,044	3,044	3,044	3,044	123,233
Tuna, Albacore.....													42,541
Tuna, Skipjack.....													22
Turbot.....	32	869	4,056	2,092	679	3,699	501	97		100	1,698	535	10,274
Whiting.....		19	741	2,021									7,059
Macrourid Fish.....			50	90									154
Crustacean:													
Crab.....	296	408	765	54	54	36	18		309		4,474	158	6,256
Shrimp.....	550	122	119	249							384	158	1,964
Mollusks:													
Ablone.....	4,450		95,575	334,300	213,300	173,000	60,550	300,123	238,000	17,050	70,273	55,350	1,875,673
Clam, Pacific.....	3,021	2,374	2,354	1,175						2,581	3,374	2,581	20,352
Mussel.....	300					300							750
Octopus.....	1,855	4,713	9,460	5,470	3,664	3,316	4,403	6,622	3,335	852	1,769	877	48,724
Oyster, Japanese.....			1,450	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	9,500
Squid.....	17,084	33,905	1,239	42,556	538,205	144,803	40,959	8,723		21,889	35,567	43,233	933,231
Total pounds.....	70,396,912	8,120,233	724,812	1,100,177	1,109,999	815,092	1,414,472	23,214,242	95,655,237	64,367,673	71,093,191	71,015,404	114,538,053

— 35 —

COMMERCIAL FISH LANDINGS IN SANTA BARBARA REGION DURING 1936
Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Barracuda	77	4,110		369	3,807	6,780	9,637	15,661	6,147	619	20	47,359	
Caballa, Pacific				16		111	114	7				12	
Herring, Pacific	17,509	11,666	13,445	9,732	19,619	21,713	31,782	31,869	28,476	24,243	30,031	23,354	203,569
Kingfish, Pacific	314			26		32	32	32				42	
Mackerel, Pacific	4,787	678	1,115			151	1,617	1,741	3,627	6,901	2,780	1,253	21,116
Pike	43	208	147	1,379		120	304	1,328	1,310	8	20	403	5,669
Rock Bass	707	1,088	528	467	31,913	1,227	4,826	3,025	455	495	495	16,129	
Rockfish	61,132	23,828	27,431	37,253	33,965	21,220	29,500	31,141	29,500	16,129	15,652	16,129	400,311
Sablefish	63		54			19	227	160	3				556
Salmon						276							276
Shad	181		50			20	326	1,040	69				1,647
Sealipin				114	83		19						216
Sea-Saint, Black	36				256						13	195	
Sea-Saint, White	1,424	431	642	13,284	6	42	206	2,011	15,146	10,050	15,291	4,772	61,379
Shark	875	3,463	2,619	1,632	2,133	2,354	1,431	1,560	1,274	1,531	2,224	22,711	
Sole, Sand	6,427	2,251	1,114	1,114					17		3,526	2,251	20,648
Skate	1,789	3,000	813	1,460	1,635	3,140	416	225			765	1,485	13,722
Smelt	4,101	1,444	1,233	1,233	1,233	2,121	2,121	1,484	1,484	406	124	124	12,523
Sole	32,670	32,669	62,546	66,233	38,275	29,632	15,452	14,263	17,522	45,295	22,143	12,359	274,279
Swordfish, Broadbill							5,824	30,053	5,510	341			44,558
Tuna, Bonito							19	173	19				173
Tuna, Mullet	178						3,667	573	3,505				7,147
Tuna, Yellowfin									33	30			65
Whiting, Ocean	2,438	382			60					45	314		4,312
Yellowtail										1,607			46
Miscellaneous Fish	231		58	480	75	36	4	1,633	79		316		4,719
Crustacean:													76
Crab, Rock													
Lobster, Spiny	15,586	16,729	7,594		39	37				45,188	34,602	25,363	141,801
Mollusca:													
Ablones	25,550		64,300	136,300	137,278	251,510	202,358	258,331	160,051	131,025	160,264	153,476	1,692,143
Clam, Pismo	12,999	10,252	12,554	12,489	14,397	15,885	23,358	24,453	15,454	15,514	13,607	12,595	189,433
Total pounds	185,598	111,704	231,353	286,032	248,114	337,729	328,984	424,727	303,313	315,925	302,541	266,933	3,364,166

COMMERCIAL FISH LANDINGS IN LOS ANGELES REGION DURING 1936
Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Anchoa	7	55	3,265	7,573	5,505	8,711	3,552	709	159	75	55	210	29,502
Barnacles	13,433	33,835	115,570	704,532	231,784	308,050	280,862	88,154	76,327	10	88,005	143	1,478,462
Cabonne	7	10
Calico, Pacific	39	127
Dolphin Fish	4,514	6,510	15,168	9,059	12,510	7,111	7,255	52
Flying Fish	55,627
Gila, Black	4,500
Hake, California	36,760	44,440	76,481	35,263	49,462	51,659	14,907	18,801	12,482	6,831	7,713	12,365	367,547
Kingfish	40,500	46,020	45,857	42,361	29,765	25,229	27,150	29,709	29,531	20,458	25,322	24,771	427,534
Mackerel, Bonito	69,521	52,252	52,244	515	39,201	35,115	40,115	58,058	81,121	1,000,000	1,000,000	1,000,000	4,000,000
Mackerel, Pacific	314,756	244,922	1,008,250	300,214	7,812,222	3,818,765	16,427,666	8,304,118	15,801,814	22,828,771	1,056,944	6,293,121	84,315,743
Mullet
Penaeus	16,019	15,408	14,288	15,348	1,198	1,424	0,902	3,354	8,371	2,304	3,069	0,414	91,568
Pompano, California	2	32	47	92	917	207	840	1,957	1,175	802	714	136	7,131
Rockfish	2,721	5,321	7,001	11,060	28,712	20,121	35,230	21,592	10,027	8,021	10,181	9,341	139,500
Rockfish	41,151	23,608	44,053	35,517	37,773	12,853	10,866	8,072	8,677	13,083	22,737	21,453	270,733
Solefish	13,701	21,634	25,230	30,446	8,765	4,769	1,659	6,020	8,140	12,783	2,796	172,094	1
Solefish	790
Sand Dab	1,125	1,137	1,660	1,059	580	234	313	167	594	583	431	583	8,499
Sardine	74,303	65,907	75,000	10,400	10,429	10,429	10,429	10,429	10,429	10,429	10,429	10,429	352,905,555
Seadragon	4,499	1,829	7,399	9,591	10,429	15,523	9,886	8,818	6,835	10,440	9,362	8,301	105,798
Sealions, Monk
Sea-lion, Whaleshark	4,870	4,817	4,762	30,662	30,662	30,662	3,272	1,957	2,172	2,172	2,172	2,172	15,479
Shark	10,996	8,621	20,372	24,433	34,632	20,585	15,491	19,603	22,081	10,209	9,380	3,263	215,879
Skate, Angel	14,140	7,994	10,240	10,240	10,240	10,240	10,240	10,240	10,240	10,240	10,240	10,240	141,288
Skate, Angel	1,821	2,552	2,274	1,143	1,945	1,135	106	174	174	669	873	1,297	14,767
Skate, Angel	36,218	15,267	26,261	21,478	18,456	19,809	14,528	22,568	17,443	29,777	38,751	18,462	278,569
Sole	2,000	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1
Swordfish, Broadbill	213	68,991	148,749	139,156	86,374	3,632	15	417,558
Swordfish, Marin	1
Tuna, Albacore	217,099	398,092	142,111	155,017	14,468	1,190	808,471
Tuna, Bluefin	12	419,945	5,952,480	3,200,036	1,888,480	1,752,408	238,921	73	13,623,554
Tuna, Skipjack	411,392	105,801	130,000	2,886	2,886	2,886	2,886	2,886	2,886	2,886	2,886	2,886	1,772,572
Tuna, Yellowfin	129	195,131	311,050	73,429	16,728	208	6,134,334
Whiting, Ocean	2,164	413	2,222	1,377	1,218	756	7	107	149	668	1,675	1,545	12,500
Yellowtail	200	2,253	11,821	69,838	73,219	12,389	1,238	3,026	16,391	56	73	184,914	1
Miscellaneous Fish	50	94	351	182	65	182	182	182	182	182	291	212	2,218

COMMERCIAL FISH LANDINGS IN LOS ANGELES REGION DURING 1936—Continued

Fishing Boat Landings from California Waters—Continued

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Crustaceans:													
Crab, Rock.....	2,033	1,912	2,597	3,742	1,290	510	842	1,029	543	200	670	749	15,126
Lobster, Spiny.....	10,718	10,699	6,212										192,324
Mollusks:													
Almond.....													10
Clam, Cockle.....	1,475	1,507	1,435	1,815	1,094	75	50	100	35	175		710	
Oyster.....			4		115	17	1,645	1,793	1,566	1,836	1,877	2,432	21,429
Scallop.....	5,995		291		1,152	153	1,634	26	24	21	130	1,555	618
Whelk.....	250										56	110	845
Total pounds.....	75,366,576	68,608,935	77,287,383	1,750,079	9,412,734	10,710,886	21,404,140	13,705,003	20,920,848	25,443,032	1,866,360	44,374,576	308,990,144

Fishing Boat Landings from Waters South of International Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds	
Barracuda.....	16,639	111,613	44,691	262	383	417	1,339	6,420	22,298	6,263	94,703	303,323	
Catfish, Common.....	22,969	4,438	3	31,739	127	2,123	531	770	72	275	
Cuttle, Pacific.....	363	418	969	273	90,707	
Grouper.....	8,561	1,110	1,058	5,331	
Hake, California.....	27,627	34,605	73,077	22,735	18,583	418	969	1,141	1,047	1,047	142,727	
Mackerel, Spanish.....	523	2,051	92	1,150	42	2,185	1,253	1,253	2,065	5,483	4,993	16,117	
Red Fish.....	247	2,025	1,150	1,150	42	2,185	1,253	1,253	433	1,254	1,254	3,533	
Rockfish.....	91	2,365	1,254	1,254	1,254	11,397	
Solefish.....	13,904	13,904	13,904	13,904	
Seabass.....	20,144	26,444	11,358	11,125	39,745	25,388	10,344	22,398	14,450	14,161	8,541	8,541	201,228	
Sea-bass, White.....	169	801	4,954	3,038	120	154	788	788	6,233	983	2,180	18,569	
Shark.....	829	1,091	1,023	1,773	281	85	21	173	475	145	4,212	
Swordfish.....	146	20	125	1,020	125	
Skate.....	295	55	388	1,000	1,741	
Sole.....	99	32	17	17	1,680	
Swordfish, Black.....	162	1,518	1,518	1,518	1,680	
Tuna, Bluefin.....	24,613	110,138	40,583	732,933	2,587,820	363,352	99,111	20,213	112	884	4,071,320	4,071,320	
Tuna, Skipjack.....	5,302	5,606	1,000	1,000	1,000	1,000	1,000	1,000	1,000	50,700	14,700	3,275	4,622,111	
Tuna, Yellowfin.....	17,796	230,971	89	1,417,991	605,871	45,270	338,724	316,811	885,896	220,813	26,586	4,513,388	
Whiting, Ocean.....	951,618	1,201,042	97,811	4,185,810	3,089,470	1,772,249	1,122,168	1,449,284	1,045,618	785,257	1,792,257	19,969,257	19,969,257	
Yellowtail.....	44,889	1,425	1,425	571	170	285	184,831	935,304	332,303	145	1,034	5,755	1,963,692	
All Miscellaneous Fish.....	44,889	61,853	25,631	9,415	47,113	156,293	184,831	935,304	332,303	56,795	46,215	69,999	144	
Crustaceans														
Lobster, Spiny.....	9,764	933	15,044	10,238	35,997	35,997	
Total pounds.....	1,154,971	310,753	1,531,590	1,064,402	6,495,682	7,159,452	2,540,853	4,045,278	3,679,256	3,633,949	1,121,267	1,519,528	34,321,970	34,321,970

Shipments from North of State Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Tuna, Albacore.....	11,176	11,176
Total pounds.....	11,176	11,176

COMMERCIAL FISH LANDINGS IN LOS ANGELES REGION DURING 1935—Continued
Shipments from South of International Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Gabilla.....	1,149	185	183	15,430	2,550	280	249	24,624
Corvina, Mexican.....	24,670	15,863	25,256	14,553	559	125	81,161
Sea-Bass, Black.....	779	564
Sea-Bass, Totuera.....	340,750	216,761	393,031	46,213	115,070	36,992	105,214	143,917	1,369,165
Codfishes:	7,345	225
Sword.....	94	1,520	4,877	3,109	17,270
Total pounds.....	367,633	232,809	389,164	77,716	121,063	40,291	117,083	146,480	1,493,072

—Op—

Shipments from Japan

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Tuna, Albacore.....	112,833	155,502	378,733	126,144	166,410	103,714	255,070	199,616	1,193	1,469,233
Tuna, Melachi.....	20,370	20,370
Tuna, Skipjack.....	50,233	491,296	133,316	73,665	221,451	1,043,047	1,043,047	2,264,925
Tuna, Yellowfin.....	56,233	537,013	1,043,047	8,928	8,928
Total pounds.....	259,694	155,502	870,029	261,460	166,410	177,307	1,322,192	1,324,421	1,193	4,538,208
Grand total.....	77,198,794	67,307,099	89,578,146	3,153,657	16,198,881	17,019,629	23,954,077	18,497,587	35,022,296	20,815,498	3,106,705	46,040,403	409,554,570

COMMERCIAL FISH LANDINGS IN SAN DIEGO REGION DURING 1936

Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds	
Barracuda	485	2,898	54,333	65,262	33,576	5,716	36,040	17,350	8,602	2,444	1,230	221,043		
Carp			142	37	37	1,075	1,450	1,450	43	2,051	142	2,051		
Codfish			1,674	20,833	14,692	478	13,421	16	231	71	1,450	22,235	6,560	
Habitat, California	5,621												95,515	
Herring, Pacific													1,530	
Kingfish			200	117	26	62	27			67	377	137	1,273	
Mackerel, Horse			1,845										60,771	
Mackerel, Horse			326	452,250	591,431	1,794,450	203,537	1,005,770	708,145	88,353	312,945	1,202,438	9,044,440	
Mullet	679,294												2,861	
Perci			39	857	1,672	700		220	103				331	
Pompano, California			15	22									95	
Rock Bass	2,386	3,353	5,183	2,772	2,488	1,741	10,754	48,953	17,766	8,366	7,201	6,262	117,379	
Solefish	6,988	1,765	2,005	19,549	15,949	1,594	1,594	6,024	6,024	3,274	3,274	1,609	100,099	
Sardine			1,605										1,605	
Sardine	5,468,909	6,953,457	3,129,826	102,161	221,420								15,835,299	
Skipper			45	1,364	1,364	1,364	1,364	1,364	1,364	1,364	1,364	1,364	1,364	
Sea-Bass, Black	748	225	1,364										3,419	
Sea-Bass, Rockfin			45										150	
Sea-Bass, White			13,470	13,607	8,970	184	4,432	1,775	159	3,151	4,934	46	911	
Shark	2,735	7,072	3,894	1,839	59	8,110	1,142	10	152	1,022	9,076	9,076	60,242	
Shiner			1,016	530	530	127	127	127	127	127	1,570	1,477	4,584	
Skate	3,432	309	2,606	1,420			1,191	21		84			9,967	
Sundi	48	275	1,405	1,405	1,394	1,068	1,252	1,252	1,252	274	205	205	7,213	
Sole			21	16	16	16	16	16	16	16	16	16	52	
Swordfish, Broadbill							3,834	66,030	17,229	2,898	241		90,232	
Tuna, Albacore							67	1,173	961	202			1,151	
Tuna, Bluefin		20	87	1,211	1,211	62	3,641	1,241	3,831	3,831			2,403	
Tuna, Skipjack	350,053	149,000	56,200	11,133	12,841	4,866	106,325	33,719	32,321	28,181	41,581	88,536	177,453	
Tuna, Yellowfin								41	1,418,148	1,717,204	184,815	2,200	13	3,322,410
Whiting	2,891	165	3,003	2,560	12,033	3,963	8,543	11,021	16,730	9,399	663	869	2,324	10,227
Yellowtail	225	267	2,603	2,560	2,560	250							69,993	
Miscellaneous Fish													230	
Cephalopods:														
Lobster, Spiny														
Mollusk														
Octopus														
Total pounds	6,542,075	7,652,948	3,753,941	820,030	3,161,647	411,515	1,366,532	2,322,520	2,000,955	648,301	1,491,573	1,335,797	30,507,832	

14

COMMERCIAL FISH LANDINGS IN SAN DIEGO REGION DURING 1936—Continued
Fishing Boat Landings from Waters South of International Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds	
Barracuda.....	13,849	5,939	7,117	7,574	16,152	55,077	70,934	87,034	25,933	45,818	54,236	25,000	434,509	
Catfish, Channel.....	7,465	27,336	11,563	9,577	41,083	10,080	5,366	10,000	121,061	
Catfish, M.	212	17	5,366	1,000	17	3,634	
Catfish, Pacific.....	1,619	1,000	3,634	
Cod.....	3,427	21,317	12,035	242	387	39,828	
Dolphin, California.....	33,112	53,335	61,413	20,020	44,100	50,110	50,743	153,663	22,000	21,151	44,731	62,336	62,336	
Kingfish.....	166	166	166	
Mackerel, Horse.....	100	100	100	
Mackerel, Pacific.....	225	1,044	405	563	9,779	99,292	1,346,430	254,180	556	455	317	1,714,979	1,714,979	
Mackerel, Spanish.....	1,000	1,435	1,435	1,435	
Perc.	120	100	100	100	
Pompano, California.....	402	402	402	
Red Bass.....	2,411	1,638	1,178	1,171	11,701	16,315	15,998	7,100	2,054	6,421	4,459	82,002	82,002	
Rockfish.....	20,892	16,165	10,030	9,574	2,281	546	1,000	12,441	1,000	1,000	1,000	100	100	
Salemafish.....	205	129	210	544	544	544	
Sardine.....	100	100	100	
Soupfin, Blue.....	620	77	44	224	158	746	746	
Sea-bass, Black.....	10,222	14,308	7,187	8,481	14,712	5,721	6,026	8,486	1,691	14,901	8,314	8,459	56,609	
Seabream, White.....	1,275	1,275	1,047	1,041	1,047	1,041	1,047	1,047	1,047	1,047	1,047	1,047	25,413	
Shark.....	247	282	1,630	263	1,360	1,005	1,360	1,005	150	963	6,119	6,119	
Shrimps.....	405	3,073	1,416	395	155	110	345	345	345	313	1,000	1,000	1,000	
Skate.....	25	63	350	155	155	155	1,000	1,000	1,000	1,000	
Smelt.....	245	121	17	296	109	49	229	863	35	2,004	2,004	2,004	
Swordfish, Broadbill.....	2,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Swordfish, Marlin.....	292	292	292	
Tuna, Bonito.....	20,455	42,711	123,036	8,705	149,740	5,533	431,814	305,614	67,027	114,700	175,000	60,741	1,000,473	
Tuna, Skipjack.....	162,703	64,519	103,560	926,101	692,560	511,205	421,430	1,677,145	2,561,757	3,703,173	2,052,183	935,231	14,258,666	
Tuna, Yellowfin.....	3,641,102	2,406,071	6,000	2,803	4,690	6,916,130	3,594,200	7,306,000	4,100,000	9,000,000	9,000,000	2,210,000	6,379,414	
Whiting, Ocean.....	1,207	3,071	1,555	130	40	550	502	978	2,353	145	145	145	145	
Yellowtail.....	291,545	188,569	126,699	612,410	933,473	239,649	1,389,815	1,968,900	379,836	323,725	440,765	1,089,600	7,875,055	
Unknown Fish.....	450	240	120	796	796	
Crustaceans:	
Lobster, Spiny.....	350,958	223,000	142,887	3,450	50,969	103,296	885,579	885,579	
Total pounds.....	4,541,331	3,146,312	6,982,047	6,135,154	6,932,264	4,721,794	11,791,037	8,533,002	7,869,362	9,726,248	6,071,660	8,832,672	85,905,749	85,905,749

Shipments from South of International Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Cabilla, Mexican.....	310
Cobia, Mexican.....	1,600	1,600
Mackerel, Spanish.....	450	450
Sea-bass, Totanva.....	5,897	6,782	16,222	25,756	54,637
Crustacean:													
Shrimp.....													4,459
Total pounds.....	5,897	6,782	16,672	27,046	60,886
Grand total.....	11,095,326	10,908,057	10,742,770	6,055,184	11,093,911	8,133,297	12,757,589	10,857,552	9,870,517	10,379,058	7,579,908	10,215,815	117,475,464

ORIGIN OF COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1937

Species	California	North of State Boundary	South of International Boundary	Japan	Total pounds
Anchovy	226,229				226,229
Barracuda	1,799,045		1,139,445		2,938,490
Cabezone	8,189				8,189
Cabrilla			145,719		145,719
Carp	38,631				38,631
Catfish	318,971				318,971
Corvina, Mexican			69,363		69,363
Cultus, Pacific	968,080	120	58		968,258
Dolphin	1,993				1,993
Eel	190				190
Flounder, Starr	974,770				974,770
Flying Fish	41,880				41,880
Gaper			61,553		61,553
Hake	63,454				63,454
Halibut, California	812,081		394,870		1,206,951
Halibut, Northern	316,925				316,925
Hardhead	54,162				54,162
Herring, Pacific	631,330				631,330
Kingfish	645,759				645,759
Mackerel, Horse	6,541,026				6,541,026
Mackerel, Pacific	60,832,354		104,347		60,936,701
Mackerel, Spanish			27,122		27,122
Mullet	8,492				8,492
Perch	248,710		879		249,589
Pike	499				499
Pompano, California	4,822				4,822
Pompano, Mexican			162		162
Rock Bass	230,969		94,031		325,000
Rockfish	4,131,547	125	159,542		4,291,214
Sablefish	733,499				733,499
Salmon	6,909,867				6,909,867
Sand Dab	516,045	150			516,195
Sardine	891,430,435		90		891,430,525
Sculpin	137,114		198		137,312
Sea-bass, Black	20,412		695,172		715,584
Sea-bass, Short-fin	1,191				1,191
Sea-bass, White			1,171,623		1,171,623
Sea-trout, California	263,195		336,224		599,419
Shad	652,657				652,657
Shark	907,414		6,701		914,205
Sheepshead	73,149		8,317		81,466
Skate	447,392				447,392
Smelt	679,882		2,188		682,070
Sole	8,296,783	5,412	27		8,302,222
Split-tail	10,826				10,826
Sucker	7,882				7,882
Swordfish, Broadbill	589,877		35,430		625,307
Swordfish, Marlin	3,696		490		410
Tonocod	1,056				1,056
Tuna, Albacore	2,020,016	1,170,754		1,546,939	4,743,709
Tuna, Bluefin	10,822,071		1,871,851		12,693,922
Tuna, Bonito	5,707,212		2,100,858		7,808,070
Tuna, Oriental				523,632	523,632
Tuna, Skipjack	1,884,148		45,210,944	7,554,903	54,698,995
Tuna, Yellowfin	187,732		91,334,726	884,148	92,406,606
Turbot	75,990				75,990
Whitebait	86,177				86,177
Whitefish, Ocean	32,347		24,851		57,198
Yellowtail	223,983		5,147,492		5,371,475
Miscellaneous Fish	161,895		1,357		163,252
Crustacean:					
Crab	1,627,693				1,627,693
Crab, Rock	1,710				1,710
Lobster, Spiny	363,242		936,501		1,329,743
Shrimp	1,111,802		12,784		1,124,586
Mollusk:					
Abalone	2,863,175				2,863,175
Clam, Cockle	28,552				28,552
Clam, Gaper	3,396				3,396
Clam, Pismo	223,655				223,935
Clam, Soft-shell	92,615				92,915
Clam, Washington	21,629				21,629
Mussel	1,490				1,490
Octopus	23,884				23,884
Oyster, Eastern	364,649				364,649
Oyster, Japanese	680,081				680,081
Oyster, Native	44,217				44,217
Scallop	100				100
Squid	501,662				501,662
Total pounds	1,019,768,128	1,182,561	151,104,005	10,549,622	1,182,604,316

430 pounds of Bluefin Tuna shipped from Boston, Massachusetts, is not included in above table.

REGION OF LANDING OF COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1937

Species	Dol Norte and Eureka Region	Sacramento Region	San Francisco Region	Monterey Region	Santa Barbara Region	Los Angeles Region	San Diego Region	Total pounds
Anchoa.....	100,100	44,205	91,574	1,783,716	1,001,200	22,270	2,388,490	2,388,490
Barracuda.....		3,465	4,429	295		8,489		8,489
Cabosseas.....						14,711	14,711	14,711
Catfish.....	38,631	317,014				28,631		28,631
Codfish, Mexican.....						218,971		218,971
Cultus, Pacific.....	272,662		572,771	115,956	884	60,263	698,258	698,258
Dolphin.....				52	15	899	85	85
Ed.....						1,244	449	1,293
Flounda, Starry.....	2,201		999,337	12,172		123		190
Frigate Fish.....						41,880	41,880	41,880
Grenadier.....						8,726	53,327	61,553
Hake.....		61,082		27		2,340		2,340
Hallibut, California.....		8,945	18,636		311,319	368,699	490,143	1,206,551
Hallibut, Northern.....	233,583		83,342					316,955
Haddock.....						1,147		1,147
Herring, Pacific.....	6,495		54,162					
Kingfish.....			613,393	4,353	20	7,119	611,330	611,330
Mackerel, Blue.....			6,195	1,261	75	150,055	79,759	845,026
Mackerel, Herring.....				42,163		6,400,132	98,206	6,400,132
Mackerel, Pacific.....			11,503	2,619,549	31,678	55,473,756	3,400,256	60,953,701
Mackerel, Spanish.....						1,040	21,711	21,711
Mullet.....						3,020	5,473	8,493
Perci.....	10,993		98,666	35,948	5,724	91,211	3,147	241,589
Pike.....		460				460		460
Pompano, California.....				101		4,669	57	4,827
Pompano, Mexican.....							102	102
Rock Bass.....								
Rockfish.....	133,417		1,026,637	2,103,286	366,544	343,748	303,261	4,291,214
Sablefish.....		314,000		178	10	103,120	34	138,460
Salmon.....	3,834,568	974,571	1,208,414	891,083	922	9	6,400,867	6,400,867
Sand Dab.....			454,176	196,273	156	8,115	516,145	516,145
Sardine.....	58,400,100		196,273	279,194,286	899	347,660,215	9,407,749	914,025
Sole.....					133	128,000	8,116	137,812
Solepin.....					88	112,000	24,823	136,823
Spoonbill.....						1,143,298	1,193	1,193
Sea-bass, Short-fin.....			11,634	28,240	22,415	41,231	500,413	1,173,021
Sea-bass, Totowa.....				20	37			47
Sebastodes.....								652,937
Sea-trout, California.....		602,945	215					652,937
Shad.....		9,005	398,632	122,233	154,477	184,074	25,072	914,205
Shark.....	1,682					14,054	57,488	61,466
Sheepshead.....							5,924	
Skate.....				377,333	11,590	44,128	12,933	447,393

CH

REGION OF LANDING OF COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1927—Continued

Species	Del Norte and Eureka Region	Sacramento Region	San Francisco Region	Monterey Region	Santa Barbara Region	Los Angeles Region	San Diego Region	Total pounds
Smelt.....	13,662	522,753	91,597	23,386	225,736	4,636	682,070	
Sole.....	193	7,898,726	153,026	256,381	3,843	51	8,302,222	
Spiny Fish.....		10,882					10,882	
Swordfish, Broadbill.....							7,832	
Swordfish, Shortbill.....							62,637	
Tuna, Albacore.....		1,056	392,464	101,501	206,344	237,035		4,049
Tuna, Bonito.....		699	10	157	100	10	1,056	
Tuna, Skipjack.....							11,287,047	11,287,047
Tuna, Yellowfin.....							11,287,047	11,287,047
Turbot.....		68,317	1,616	18	8,144	5,151,144	2,658,672	12,094,332
Whitebait.....	75,758	8,748	1,641	19,988				75,090
Whiting, Ocean.....					13,251	1,587	27,152	86,177
Miscellaneous Fish.....	14,387	13	158,502	310	2,845	7,403	4,826,612	5,371,473
Total pounds.....		5,337,151	60,580,327	215,110,349	287,570,749	3,306,533	457,425,004	1,182,604,746

MONTHLY COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1937

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Anchovy	6,658	99	14,460	20,705	53,929	29,323	11,845	5,944	12,540	2,145	20,445	53,245	230,322
Barracuda	98,651	100,474	54,550	498,617	489,664	307,663	364,154	237,277	249,141	266,872	236,757	131,023	2,538,490
Catfish	1,000	1,000	227	1,149	1,622	147	744	1,361	1,508	1,254	66	129	8,189
Codfish	11,891	44,210	22,654	5,874	13,620	30,201	15,205	12,205	10,649	6,318	8,493	14,113	145,113
Carp	3,130	2,848	12,667	3,513	3,003	721	22	5	185	4,983	7,154	38,601	4,983
Catfish, California	3,000	3,000	28,454	52,481	44,182	2,513	2,694	2,152	55,364	39,717	41,340	43,982	318,671
Cobia, Mexican	22,087	16,020	44,434	13,963	6,182	44,434	2,094	1,182	1,182	1,182	1,182	1,182	968,558
Dolphinfish	86,327	55,247	72,955	45,714	35,494	63,096	72,354	131,702	143,078	197,091	44,341	73,042	908,558
Ed.													
Fisherman's Party	108,100	91,459	71,475	38,259	13,174	36,155	135,415	200,455	64,401	11,152	10,094	8,241	914,740
Flying Fish													
Grouper													
Hake	5,681	16,496	15,818	3,282	12,211	3,143	10,714	11,451	5,729	1,055	2,019	1,965	61,553
Hake, California	2,162	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	11,803
Halibut, California	112,705	136,464	161,180	104,521	84,671	114,040	108,036	88,750	91,305	51,200	71,441	84,168	1,206,551
Hardhead, Northern													
Herring, Pacific	274,412	233,800	34,656	853	2,454	1,096	220	4,810	5,260	6,307	75,550	316,035	
Kingfish	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	6,000
Mackerel, Horse	110,062	1,000,549	92,084	33,449	356,297	1,020,560	1,222,692	194,887	547,948	334,278	7,406,211	3,557,672	60,958,701
Mackerel, Pacific	3,114,483	475,724	445,940	317,413	4,026,012	2,452,640	6,538,051	13,548,327	10,300,599	8,322,143	4,646	8,222	4,646
Mullet													
Pike	12,574	11,748	41,474	78,524	2,546	5,002	17,211	14,922	15,852	21,008	16,754	17,211	249,380
Pike													
Pompano, California	992	16	663	426	132	322	649	931	746	44	4	3	4,827
Pompano, Mexico													
Rainbow	9,574	9,793	8,527	6,576	41,676	50,348	43,282	41,260	32,012	20,680	24,554	12,660	325,000
Rockfish	24,100	30,163	40,600	40,600	20,380	47,600	46,362	280,515	241,232	328,551	381,001	409,725	4,921,714
Salmon	12,107	26,163	56,280	57,600	46,362	52,280	52,280	52,280	52,280	52,280	52,280	52,280	754,669
Saint Peter	8,723	15,085	49,127	233,294	605,304	1,361,775	1,815,266	1,591,453	1,172,563	9,051	258	6,000,867	
Sardines	31,341	31,184	31,184	31,184	31,184	31,184	31,184	31,184	31,184	31,184	31,184	31,184	31,184
Sardines	95,881,341	142,544,541	118,544,873	8,745,260	594,565	435,218	490,483	10,244,242	71,249,902	153,381,933	142,879,421	164,221,274	891,400,535
Sculpin	3,041	14,344	15,244	15,244	15,244	15,244	15,244	14,702	14,533	15,815	6,775	13,156	157,713
Sea Bass, Black	20,445	20,452	20,500	20,500	20,500	20,500	20,500	109,120	109,120	109,120	20,500	20,500	715,144
Sea Bass, Short-fin													
Sea Bass, White	4,060	10,319	17,242	19,566	45,433	20	1,157	40,494	36,693	177,228	95,155	37,855	28,523,209,419
Sea trout, California										13	24		47
Shark	72,315	115,932	105,467	57,229	65,181	81,303	38,433	38,154	61,431	63,262	50,808	164,539	1,404,205
Shrimps	6,212	9,861	15,364	8,343	2,423	1,072	1,447	3,174	806	11,108	13,946	7,329	81,466
Skate	36,793	52,529	49,299	49,176	11,863	18,275	10,275	23,241	31,395	20,309	62,213	26,511	441,362

MONTHLY COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1937—Continued

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds	
Sardine.....	55,201	83,259	62,537	66,550	60,196	68,200	53,033	70,180	65,510	52,792	46,385	30,159	842,070	
Sole.....	503,630	601,067	181,461	172,172	601,751	635,202	746,262	750,231	915,787	1,024,029	512,185	478,232	8,202,723	
Split-tail.....	1,215	4,227	2,097	1,173	263	1,215	1,215	1,215	1,215	1,215	41	1,270	10,826	
Stark.....	2,044	1,168	663	177	—	—	—	—	—	628	11	1,018	2,018	
Swallowfish, Broadbill.....	—	—	—	—	—	—	—	—	—	—	—	—	—	
Swallowfish, Marin.....	—	—	—	—	—	—	—	—	—	—	—	—	625,307	
Tomcod.....	523	234	—	—	—	—	—	—	—	—	—	—	4,049	
Tuna, Albacore.....	—	—	156,377	184,708	704,135	—	1,053,615	925,428	1,113,669	403,499	350,412	211,801	4,741,739	
Tuna, Bluefin.....	—	—	—	—	—	—	—	—	—	—	—	—	12,094,132	
Tuna, Bonito.....	271,150	—	31,653	47,929	1,211,414	5,000,435	5,000,435	5,000,435	1,704,402	1,241,029	1,241,029	1,241,029	20,000,070	
Tuna, Oriental.....	—	—	—	—	—	—	—	—	—	—	—	—	32,534	
Tuna, Yellowfin.....	4,463,118	4,770,705	6,005,543	1,005,543	7,803,151	13,250,132	8,092,176	10,982,322	12,869,228	8,092,784	3,373,613	4,023,677	8,775,217	92,406,606
Turbot.....	3,642	3,370	4,314	3,740	3,670	3,170	1,472	8,052	3,785	6,005	10,354	7,883	75,990	
Whiting.....	1,042	2,748	1,042	1,042	1,042	1,042	1,042	1,042	1,042	1,042	1,042	1,042	1,042	
Whitefish, Ocean.....	5,182	7,148	2,277	2,530	299	710	158	1,056	1,056	1,056	1,056	1,056	57,180	
Yellowtail.....	79,000	25,159	140,944	511,014	318,294	553,181	515,181	1,228,777	718,980	427,120	407,580	14,397	3,271,473	
Miscellaneous Fish.....	10,945	14,363	14,108	14,370	9,400	7,014	15,451	15,071	15,870	12,532	15,451	15,451	181,372	
Crustacean.....	—	—	—	—	—	—	—	—	—	—	—	—	—	
Crab, Rock.....	200,135	221,566	62,388	76,902	62,271	48,834	68,770	52,668	—	—	372,845	450,010	1,027,693	
Crab, Soft.....	—	—	—	—	236	0	122	20	—	12	27	32	1,716	
Lobster, Spiny.....	258,150	254,582	230,444	—	—	—	—	—	—	—	211,062	259,343	1,326,543	
Shrimp.....	36,956	47,906	83,438	87,693	97,602	125,526	150,324	175,361	150,265	69,185	57,992	38,343	1,124,586	
Mollusk.....	—	—	—	—	—	—	—	—	—	—	—	—	—	
Absidote.....	15,700	—	92,550	323,435	300,098	315,503	492,762	396,751	337,404	170,137	76,647	348,953	2,805,175	
Clam, Cockle.....	2,687	2,401	2,781	2,333	2,086	2,086	2,730	3,072	3,214	2,198	1,730	2,298	28,533	
Clam, Gaper.....	582	136	139	238	320	518	440	492	330	2,168	164	154	3,395	
Clam, Littleneck.....	14,232	14,232	16,941	16,941	18,421	20,421	20,421	20,144	19,993	18,193	18,193	18,193	92,935	
Clam, Offshore.....	4,505	2,517	13,047	4,456	10,312	8,741	7,741	8,492	7,255	7,590	7,215	6,617	92,915	
Clam, Washington.....	2,547	2,543	2,563	2,556	328	386	366	342	429	1,094	3,050	3,000	21,029	
Mussel.....	693	705	109	109	—	—	—	—	—	—	—	—	1,449	
Octopus.....	995	2,503	5,671	3,072	2,742	3,527	942	1,149	2,473	284	280	217	25,884	
Oyster, Eastern.....	20,194	24,930	45,726	32,100	20,949	15,099	15,099	20,949	20,949	20,949	31,073	37,254	30,588	
Oyster, Japanese.....	41,381	27,121	21,021	20,000	32,101	32,101	32,101	32,101	32,101	32,101	32,101	32,101	162,739	
Oyster, Native.....	3,466	7,003	8,281	11,266	1,347	5,571	4,312	1,254	290	179	1,329	44,217	—	
Squid.....	1,566	—	33,503	9,565	1,353	15,570	50,893	101,165	90	645	—	16,943	266,311	
Squid Puff.....	—	—	—	—	—	—	—	—	—	—	—	—	501,662	
Total pounds.....	107,160,232	152,270,619	120,445,217	25,945,266	30,022,194	25,930,294	25,671,560	34,305,730	110,274,839	100,556,232	102,057,022	152,205,619	1,182,094,745	

COMMERCIAL FISH LANDINGS IN DEL NORTE AND EUREKA REGION DURING 1937

Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Cod, Pacific.....	20,658	61,217	54,206	13,905	2,105	2,451	10,059	30,472	10,072	31,544	2,696	23,365	272,662
Flounder, Starry.....	863	837	245	251	59	41	47,655	100,235	38	8,810	5,369	15	2,561
Hake, Northern.....	1,152	325	325	41,155	23,533
Herring, Pacific.....	2,425	4,070	545	1,063	15	6,495
Perc, Pacific.....	1,011	545	5,121	1,063	15	10,465
Rockfish.....	10,125	12,152	12,152	11,125	11,125	11,125	11,125	11,125	11,125	11,125	11,125	11,125	132,417
Solefish.....	4,734	4,305	12,160	30,059	41,433	170,679	76,159	68,154	36,877	76,034	1,699	518,371
Salmon.....	21,749	21,749	21,749	21,749	21,749	21,749	21,749	21,749	21,749	21,749	21,749	21,749	3,838,668
Shad.....	60	147	147	147	147	147	147	1,987
Smelt.....	5,208	36	222	271	855	160	1,833	3,383	910	645	1,312	13,602
Sole.....	114	114	114	114	114	114	114	114
Tuna, Albacore.....	1,834	6,472	10,018	11,409	17,452	19,322	9,564	1,454	125	75,788
Whitebait - Mullet fish.....	1,545	256	563	258	45	44	500	2,037	2,037	3,165	330	3,335	14,857
Cephalopods:													
Cuttlefish.....	24,868	15,876	1,532	2,278	27,176	27,782	36,882	37,514	18,112	192,020	
Mollusk:													
Cham, Gaper.....	480	480	
Cham, Whelk.....	79	
Cham, Washington.....	2,322	2,314	2,314	2,603	2,603	2,603	2,603	2,603	2,603	2,603	2,603	2,603	18,497
Octopus.....	252	252	29	87	41	41	41	41	41	20	83	23	503
Oyster, Eastern.....	252	252	252	252	252	252	252	252	252	252	252	1,370	6,657
Total pounds.....	65,295	106,099	95,791	138,655	446,610	748,910	1,438,991	1,263,904	717,404	140,077	14,440	58,196	5,337,151

COMMERCIAL FISH LANDINGS IN SACRAMENTO REGION DURING 1937
Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Carp.....	5,110	2,848	12,487	3,513	3,032	721	22	5	985	4,983	7,154	38,621
Carfish.....	9,600	5,666	28,177	32,543	4,217	2,313	2,994	2,132	55,564	30,717	51,546	45,982	318,971
Herring.....	3,168	7,003	6,101	2,540	3,059	1,760	920	8,047	11,504	8,453	54,142	84,142
Pike.....	43	219	152	5	24	56	49	56	409
Salmon.....	8,723	13,676	20,796	16,236	83,071	36,793	264,588	532,381	974,871
Sardine.....	4,960	3,417	2,520	113	12,337	17,253	622,610	2,145	9,471	13,388,250	8,558,100	84,604,100
Shad.....	4,960	3,417	2,520	113	12,337	17,253	622,610	90	1,637	7,288	652,345
Shark.....	1,515	1,227	3,003	1,173	265	1	1,270	0,925	9,003
Sole.....	2,048	1,186	663	122	15	1,775	2,018	7,882
Miscellaneous fish.....	2	11	13
Mollusk:
Oyster, Japanese.....	20,222	20,222
Total pounds.....	9,047,606	3,512,396	83,000	93,422	717,147	35,327	3,016	3,024,433	10,071,383	13,694,213	9,628,478	10,700,123	60,580,527

50

COMMERCIAL FISH LANDINGS IN SAN FRANCISCO REGION DURING 1937
Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Achirus.....				3,100	51,750	17,350	11,100	5,300	11,700	1,800			102,100
Cabezon, Pacific.....	200	100	150	1,050	600	400	450	415	100	100	3,400		
Cod, Pacific.....	45,113	17,029	18,750	27,450	31,400	58,450	57,322	55,450	114,550	65,000	18,767	24,659	377,651
Ed.													52
Flounder, Starry.....	155,517	89,244	69,474	33,824	13,270	30,013	138,940	309,190	64,652	10,613	18,256	2,731	960,337
Gilt-head, California.....	2,544	6,000	3,500	3,500	3,500	3,500	3,500	3,500	3,500	10,500	10,500	10,500	40,500
Haddock, California.....	2,208	704	745	918	450	42	316	154	141	183	868	2,110	8,945
Haddock, Northern.....													8,345
Herring.....	270,575	239,053	341,500	523,500	523,500	523,500	523,500	523,500	523,500	523,500	523,500	523,500	3,145,000
Kingfish.....													6,162
Mackerel, Pacific.....	125						1,470	1,322	950	90	6	305	
Perchid.....	0,000	2,043	3,015	32,700	88,720	88,720	88,720	88,720	88,720	88,720	88,720	88,720	11,302
Rockfish.....	37,234	22,973	121,223	103,944	88,770	52,669	86,880	91,344	127,250	111,872	96,801	33,640	1,036,832
Saltwater Taffy.....													38,665
Salmon.....													1,208,414
Sand Dabs.....													495,018
Sardines.....	9,623,500	6,243,700	17,515	2,540	6,750	21,900	40,400	5,146,110	33,370	523,140	43,917,610	45,239,000	194,272,723
Sea-bass, White.....													11,634
Seal, Common.....													273
Shad.....													273
Shark.....	39,188	89,223	50,505	9,118	835	2,362	3,204	4,850	13,812	28,100	45,074	112,221	398,632
Skate.....	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	2,200	25,552
Sole.....	34,027	31,569	45,359	34,561	33,203	37,351	22,036	35,560	22,910	20,153	12,568	12,335	322,753
Sole, Rock.....	36,024	37,804	77,090	89,042	54,810	58,650	718,718	738,574	875,401	999,011	459,721	450,022	7,031,311
Tuna, Common.....	523	254	91	85	105	18							1,656
Tuna, Albacore.....													680
Turbot.....	9,639	1,710	2,724	15,000	1,000	1,170	1,612	8,811	3,780	680	8,601	8,601	68,217
Whitefish.....	802		2,038	1,363	1,625	1,640	703	280					8,748
Miscellaneous fish.....	6,400	13,948	13,700	13,948	9,109	6,120	14,000	11,700	7,640	16,793	11,971	8,815	138,562
Crustacea:													
Crab.....	175,000	200,220	50,650	74,412	65,087	21,044	32,988	18,454	-----	-----	365,248	409,280	1,423,521
Crab, Rock.....			50	50			122	20					192
Shrimp.....	35,827	47,500	72,967	57,200	97,022	123,329	150,324	175,501	155,108	67,728	56,340	37,796	1,168,747

12

COMMERCIAL FISH LANDINGS IN SAN FRANCISCO REGION DURING 1937—Continued
Fishing Boat Landings from California Waters—Continued

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Mollusks:													
Clam, Cockle.....	22	25	94	53	119	56	195	83	51	19	37	40	710
Clam, Geoper.....	102	136	139	230	120	310	440	492	310	100	194	134	2,316
Clam, Soft-shell.....	4,506	4,357	12,047	4,436	10,312	8,748	7,741	8,682	7,702	6,468	7,600	6,617	92,836
Clam, Washington.....	229	209	231	121	129	129	142	142	109	109	109	121	1,132
Oyster, Washington.....	244	177	168	1,172	914	330	307	103	107	70	98	57	3,665
Oyster, Eastern.....	25,194	24,603	45,726	32,985	20,549	15,599	15,560	29,559	32,225	33,675	31,972	45,418	357,562
Oyster, Pacific.....	21,161	20,623	21,737	20,643	20,411	19,411	19,411	20,411	19,411	19,411	19,411	19,411	240,516
Oyster, Native.....	3,466	7,046	8,281	11,266	1,347	5,571	4,312	1,234	1,234	299	179	1,829	44,211
Scallop.....	320	175	500
Total pounds.....	11,041,356	7,794,766	1,987,564	1,349,036	1,233,988	1,917,732	2,373,125	6,902,173	34,094,699	33,846,697	45,303,183	46,808,773	215,104,442

GO

Fishing Boat Landings from Waters North of State Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Cuttle, Pacific.....	129	129
Rosidish.....	121	125
Sand Dab.....	150	150
Sole.....	8,412	8,412
Total pounds.....	5,697	5,697
Grand total.....	11,041,356	7,794,766	1,987,564	1,349,036	1,233,988	1,917,732	2,373,125	6,902,173	34,094,699	33,846,697	45,303,183	46,808,773	215,110,249

COMMERCIAL FISH LANDINGS IN MONTEREY REGION DURING 1937
Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Anadory	20	14,400	15,115	23	3,770	344	811	1,838	775	36	10,000	4,429	44,205
Cakefish	144	102	153	57	344	3,473	5,797	6,276	10,203	22,169	25,899	15	4,429
Cuttle, Pacific . . .	17,330	6,668	4,244	1,025	3,040	3,473	5,797	6,276	10,203	22,169	25,899	15	115,956
Flounder, Starry . . .	1,330	1,392	1,756	4,658	145	121	71	151	811	1,545	563	12,172	40
Hake	1,456	4,397	4,746	4,714	105	523	49	209	411	505	2,004	1,754	18,301
Herring, Pacific . . .	1,111	690	4,222	2,425	1,000	220	209	411	505	2,004	1,754	1,754	4,335
Kingfish	6,111	6,111	20,111	20,111	4,241	3,849	3,849	3,849	3,849	3,849	3,849	3,849	19,600
Mackerel, Horse . . .	55	272	199	1,454	13,296	7,256	7,116	7,116	7,116	7,116	1,043	83	42,163
Mackerel, Pacific . . .	360,022	76,821	3,808	6,969	22,371	28,576	316,446	373,041	287,335	157,702	99,477	74,545	2,019,549
Pewit	34	115	251	251	251	251	251	251	251	251	251	251	1,148
Pompano, California	1,111	1,111	15	16	70	70	70	70	70	70	70	70	191
Porgy	147,151	158,968	270,000	180,000	37,000	106,512	96,452	108,271	194,152	196,152	224,662	310,053	2,100,390
Salmon	609	219	1,520	327	537	512	27	194,152	194,152	194,152	194,152	194,152	4,178
Salmonids	27,331	255,214	139,091	371,565	97,462	1,111	1,111	1,111	1,111	1,111	1,111	1,111	881,083
Sailfish	11	49	154	154	154	154	154	154	154	154	154	154	142
Sardine	41,664,346	45,102,535	1,340,854	270,350	324,825	158,152	70,350	2,345,553	28,435,197	69,475,313	37,634,575	52,079,014	275,14,280
Sea-ham, Black	26	26	26	26	62	62	62	62	62	62	62	62	88
Sea-lion, White	340	98	2,053	2,053	2,053	2,053	2,053	2,053	2,053	2,053	2,053	2,053	28,300
Sea-trout, California	1,111	1,111	15	16	70	70	70	70	70	70	70	70	37
Shark	21,093	16,602	5,414	1,000	373	295	254	8,000	7,241	24,625	37,389	122,533	17
Skate	59	2,152	2,370	2,431	275	1,027	254	168	213	207	286	1,638	11,500
Smelt	1,000	4,121	2,121	2,121	2,121	2,121	2,121	14,211	14,211	14,211	14,211	14,211	11,507
Sole	1,483	8,079	28,824	44,829	1,688	1,640	883	1,694	18,171	6,303	11,038	9,412	135,028
Tuna, Bluefin	1,111	11	1,111	1,111	1,111	1,111	1,111	1,111	1,111	1,111	1,111	1,111	10
Tuna, Bonito	1,111	1,111	1,111	1,111	1,111	1,111	1,111	1,111	1,111	1,111	1,111	1,111	264
Turbot	1,111	1,111	1,111	1,111	1,111	1,111	1,111	1,111	1,111	1,111	1,111	1,111	7,510
Whitetail	9	207	280	348	122	139	39	39	39	39	39	39	1,941
Miscellaneous Fish	168	—	—	—	—	—	—	80	30	30	30	30	310
 Crustaceans:													
Crab	172	436	1,204	212	8	8	6	—	152	37	7,500	2,570	12,108
Shrimp	892	416	—	—	—	—	—	—	—	—	9,2	547	3,041
 Mollusk:													
Above	11,009	—	28,850	130,550	192,730	180,075	277,900	194,850	167,000	62,873	15,200	132,150	1,433,200
Clams	1,000	—	1,000	—	—	—	—	—	—	352	1,802	2,350	1,497
Mussel	690	700	109	2,082	—	—	—	—	—	—	—	—	1,499
Octopus	414	2,310	5,338	1,839	1,749	3,152	587	1,046	2,348	134	114	114	19,160
Squid	1,204	17,615	—	915	15,245	56,804	191,155	—	470	—	12,968	266,251	494,759
Total pounds	42,235,091	45,424,931	1,990,020	993,198	763,853	950,608	998,268	3,322,700	29,655,723	70,207,654	38,072,944	52,977,553	287,370,749

COMMERCIAL FISH LANDINGS IN SANTA BARBARA REGION DURING 1937
Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Barracuda.....	7	25		2,696	59			53,660	17,994	17,882		91,574	295
Cabonete.....		18		39	99			70	94			14	384
Cod, Green.....	10	67	280		10		4	25	25			20	384
Hallibut, California.....	14,365	16,105	16,914	11,965	25,947	24,714	23,331	22,739	30,361	39,213	45,694	29,873	311,219
Herring, Pacific.....		5	9		6								25
Kingfish.....				10									25
Mackerel, Pacific.....	469	1,092	254	17	1,465	504	725	1,017	8,895	9,421	3,894	3,746	31,678
Percy.....	68	445	321	1,085	129	210	3,053	1,544	838	1,454	327	1,020	930
Pink Salmon.....	272	111	150	1,032	2,052	3,053	1,544	1,454	27,088	13,416	20,457	22,856	366,544
Rockfish.....	32,613	44,494	59,012	28,847	29,279	32,332	19,051	20,049					93
Sablefish.....							922						922
Salmon.....			106										106
Sand Dab.....							455	21	345				899
Sardine.....	5	3	5	84						4	32		133
Seal.....					215		34	469	1,435	163			
Sea-Bass, Black.....	2,464	3,895	3,405	3,077	169	1,256	1,378	248	16,212	17,013	17,215	5,553	72,415
Shark.....	2,491	2,771	10,195	14,169	20,808	8,903	11,096	8,643	5,111	9,519	8,411	5,499	121,714
Shrimps.....	3,180	3,331	3,181	3,180	3,123	3,123	3,123	3,123	3,123	3,123	3,123	3,123	14,054
Skate.....	4,770	3,605	3,170	8,577	2,369	2,725	2,781	2,710	2,381	4,000	3,353	3,472	44,128
Smelt.....	2,704	2,704	2,704	2,704	2,704	2,704	2,704	2,704	2,704	2,704	2,704	2,704	25,221
Stale.....	12,229	15,395	18,054	39,517	54,710	42,205	26,352	18,075	27,853	18,880	10,426	9,052	296,381
Sturgeon, Broadbill.....							3,812	20,103	49,007	21,369	3,200	3,842	101,032
Swallowtail, Broadbill.....								21					83
Tuna, Albacore.....							20	43	20				83
Tuna, Bonita.....									129				14,144
Tuna, Skipjack.....	22						5,434	1,907	1,907	1,907	1,907	1,907	19,988
Tuna, Yellowfin.....	2						6,572	9,578	1,907	1,907	1,907	1,907	21
Turbot.....										19			19
Whiting, Ocean.....	143	255	495	446				137	122	612	304	7,832	2,896
Yellowtail.....							99	408	30	103	291	167	50
Micromesistius Fish.....												860	2,045
Crustaceans:													
Crab, Rock.....		44					5						44
Lobster, Spiny.....	13,425	12,125	9,594							31,215	24,073	21,346	113,086
Mollusks:													
Ahalina.....	124,701	10,700	183,908	113,329	135,470	204,882	111,801	199,384	77,162	60,440	215,360	1,429,347	
Olive Pomo.....	12,200	15,817	15,428	13,820	15,945	18,267	18,267	18,267	18,267	18,267	18,267	18,267	206,958
Otopor.....	39		125	24	55	45					6	278	
Oyster, Native.....		6	125		55	45						6	
Squid.....							13					13	
Total pounds.....	224,045	121,201	134,967	324,881	292,497	279,515	347,255	278,709	417,916	267,465	251,143	345,343	3,306,533

COMMERCIAL FISH LANDINGS IN LOS ANGELES REGION DURING 1937

Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Anchovy.....	6,668	70	2,360	3,179	2,332	743	644	245	30,945	43,545	79,924
Barracuda.....	49	14,080	274,301	305,591	255,779	196,743	106,126	135,073	18,754	30,885	43,545	1,332,286	809
Catfish, Pacific.....	15	266	25	305,591	255,779	196,743	106,126	135,073	18,754	451	19	1,332,286
Dolphinfish.....	301	1,222	124	1,222
Ed... Tuna Fish.....	621	10,427	2,109	16,714	11,451	4,765	168	15	123	1,247
Hake.....	1,416	910	783	15	4,380
Halibut, California.....	21,993	34,543	82,890	65,502	46,191	29,379	13,829	15,898	6,159	5,564	4,038	9,499	349,636
Unidentified Halibut.....	27,000	34,543	82,890	65,502	46,191	29,379	13,829	15,898	6,159	5,564	4,038	9,499	349,636
Mackerel, Horse.....	110,037	981,797	91,889	41,737	281,531	1,011,631	1,215,486	192,100	540,129	333,213	1,495,153	109,967	6,400,237
Mackerel, Pacific.....	2,702,216	237,007	368,476	2,785,500	1,017,131	5,809,179	12,917,003	9,987,141	8,232,500	7,283,923	3,139,955	33,472,736	525
Mullet.....	1,214	1,289	1,285	1,285	1,285	1,285	1,285	1,285	1,285	1,285	1,285
Perch.....	6,156	2,632	6,416	6,873	1,256	4,512	8,766	10,570	9,662	10,963	11,711	11,711	91,211
Porgy, California.....	1,150	19	19	19	19	19	19	19	19	19	19	19	19
Rock Bass.....	3,003	2,313	3,038	5,278	13,777	19,473	13,859	18,114	7,174	8,494	6,541	2,479	105,545
Rudderfish.....	20,000	21,725	21,725	21,725	21,725	21,725	21,725	21,725	21,725	21,725	21,725	21,725	21,725
Sabinefish.....	11,449	30,220	42,083	21,432	1,047	1,060	1,060	1,060	1,060	1,060	1,060	1,060	1,060
Salmon.....	9	9
Sailfish.....	503	880	1,451	1,055	111	541	754	111	111	111	111	111	8,155
Sardines.....	33,560,530	82,000,015	112,557,799	8,416,552	63,475	9,933	5,361	1,352	5,069	103,222	51,631,756	56,214,007	347,490,215
Sawfish.....	9,165	9,591	10,460	10,997	9,991	14,630	14,553	15,694	12,525	9,213	6,394	9,018	128,003
Seamoth, Black.....	1	1	1	1	1	1	1	1	1	1	1	1	1
Sea-bass, White.....	720	707	5,381	6,059	2,563	2,349	940	1,187	20,223	4,353	3,901	15,203	64,537
Shark.....	2,100	11,300	29,110	24,260	26,120	21,240	21,240	8,820	8,820	8,820	8,820	8,820	1,155
Sheepshead.....	1,547	4,820	11,055	7,778	1,440	140	1,071	2,488	1,153	8,187	12,376	12,376	182,054
Skate.....	1,800	1,480	3,546	1,628	760	569	121	668	559	459	160	160	12,935
Sole.....	21,277	14,403	16,046	21,141	18,160	17,160	16,160	20,160	10,949	18,160	18,160	18,160	22,320
Sole, S... Sole, S... Sole, S... Sole, S... Sole, S... Sole, S... Sweetlip, French.....	123	339	563	559	101	283	180	892	320	123	10	3,843	203,346
Tuna, Albacore.....	1,108	22,361	69,000	71,049	34,200	34,200	72,784	4,301	4,301	4,301
Tuna, Bonito.....	1,108	3,333	3,333	3,333	3,333	3,333	4,302
Tuna, Skipjack.....	112,864	7,632	14,430	1,354,772	394,568	404,474	491,344	1,187	1,187	1,187	1,187	1,187	1,187
Tuna, Yellowtail.....	1,351	2,395	8,711	5,219	1,299	21	318	227	1,299	1,299	1,299	1,299	21
Whiting, Ocean.....	1,351	2,395	8,711	5,219	1,299	21	318	227	1,299	1,299	1,299	1,299	21
Yellowtail.....	281	57	1,003	1,232	15	50	15	311	632	538	681	2,014	1,043
Miscellaneous fish.....	1,043

COMMERCIAL FISH LANDINGS IN LOS ANGELES REGION DURING 1937—Continued

Fishing Boat Landings from California Waters—Continued

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Creatacean:													
Crab, Rock	100	566	150	215						12	27	121	1,511
Lobster, Spiny	12,467	15,555	15,454	14						66,515	69,858	33,696	202,975
Shrimp													14
Mollusk:													
Ashum													
Clam, Cockle	2,663	2,479	2,689	2,482	3,067	46	2,624	2,087	100	7	1,475	1,726	
Oysters	43	14	8	235	723	17			203	2,089	7	2,165	27,482
Squid		21,609	6,925	318					90		3,975		158
Total pounds	38,668,440	84,935,148	115,432,534	10,872,455	6,171,507	8,587,046	9,250,532	15,446,174	13,972,904	9,457,018	60,812,021	59,878,117	429,824,356

Fishing Boat Landings from Waters South of International Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Barracuda	38,051	67,518	19,737			60				133,855	116,372	87,777	453,430
Cobia	8,235	5,643	5,154	389	13,051	6,227	9,209			2,058	5,359	6,010	59,669
Grouper	745					110					1,050	1,050	4,533
Halibut, California	10,485		922							13,000		3,355	27,573
Mackerel, Spanish	4,155									294	4,254	4,932	15,349
Rock Fish	3,461	2,825	2,058			450				2,350	4,446	2,075	10,372
Sea-lion, Black	21,007	10,282	26,338	6,097	2,308	17,060	78,703	102,101	97,740	48,057	14,601	36,156	450,531
Sealion, Common	230	44								1,078	1,078	1,078	3,224
Shark	449	236	161							554	555		2,050
Swordfish	145		600	155		260					397		1,232
Stromfish, Marlin			159										409
Tuna, Bluefin			405,963	218,144	101,053	110,125	398,260	61,433			670		1,316,712
Tuna, Skipjack	5,011	1,215	110							38,100	18,500	44,000	100,612
Tuna, Yellowfin	294,358	133,233	166,782	401,116	3,084,634	2,032,656	2,713,397	1,692,103	2,814,203	1,063,984	550,602	59,047	15,008,669
Whiting, Ocean	711,961	654,915	1,025,361	1,897,583	6,303,903	5,828,626	2,966,820	3,358,785	1,484,200	446,803	1,234,170	1,905,679	25,961,022
Yellowtail	15	53	53										553
Miscellaneous fish	11,911	22,308	575	985	12,680	70,624	64,339	115,562	30,618	38,254	27,340	25,784	419,130
Total pounds	1,051,146	914,048	1,317,058	2,713,899	9,557,177	6,080,319	5,984,803	3,850,537	4,969,666	1,781,058	2,725,545	1,800,073	44,634,181

Shipments from North of State Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds	
Tuna, Albacore.....	512,023	341,312	231,097	92,412	1,176,734
Total pounds.....	512,023	341,312	231,097	92,412	1,176,734

Shipments from South of International Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Catfish.....	1,000	335	205	200	2,046	1,459	6,794
Cobia, Mexican.....	22,087	16,529	9,434	13,563	6,182	738	69,523
Conger.....	415	370	1,419	678	360	3,663
Sea-bass.....	1,248	1,248	1,248	1,248	1,248	1,248
Sealion, Totuava.....	9,579	88,894	145,788	129,220	106,362	74,500	201,450	207,054	1,143,238
Tuna, Bluefin.....	250	170	170	259
Tuna, Yellowtail.....
Crustacean:
Shrimp.....	1,123	9,569	1,430	660	12,784
Total pounds.....	33,191	109,781	165,496	145,450	113,333	75,433	1,430	294,716	299,351	1,237,681

430 pounds of Bluefin Tuna shipped from Boston, Massachusetts, not included in above table.

COMMERCIAL FISH LANDINGS IN SAN DIEGO REGION DURING 1937

Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Barracuda	887	4,783	99,077	58,217	9,383	114,227	60,302	26,379	1,083	555	375,185
Cod, Pacific	13	13	331	138	28	469	469
Dolphin	18	2,153	5,697	4,312	3,815	132,245
Hake, California	2,584	15,903	46,823	13,825	9,354	25,359	143	18	4,312	3,815	7,119	7,119
Herring, Pacific	2,012	20	9	139	65	34	15	65,106
Kingfish	56	5	139	371	2,209,290
Mackerel, Horse	18,480	18,480	20	9	61,628	7,709	374,118	45,583	16,225	97,211	20,049	306,145	5,472
Makete, Yellowtail	81,119	12,000	71,631	10,550	1,100	73,000	2,348
Mullet	805	2,304	1,588	431	254	16,225	57
Perc.	1,000	798	161	2,348
Porgy, California	49	17	13
Rock Bass	2,222	3,788	2,313	1,763	2,096	4,073	23,174	36,286	13,216	8,148	2,841	4,372	119,644
Rockfish	2	200	100	100	100	100	100	100	100	100	100	100	100,700
Salmon	12	154	184
Sand Dab
Sardine	43,065	4,810,201	1,275,063	70	48,963	8,583	341	432	140,705	67,500	9,407,659	58
Solepin	259	2,158	1,910	47	433	221	138	422	349	3,138	8,978
Seaspin, Green	338	117	658	274	11	238	22	257	3,114
Sea-slug, Shadfile	658	274	11	238	10	1,191
Seaslug, White	6	4,543	2,818	2,881	36,546	75	14,942	6,784	6,577	3,007	4,571	2,113	86,449
Shak, Yellowtail	1,760	4,931	10,821	3,211	3,211	8,088	930	2,370	2,370	4,851	5,574	2,413	70,206
Stomachhead	613	234	68	70	10	326	556	940	2,639
Skate	1,248
Smelt	565	285	540	136	17	415	73	2,448
Sole	12	24
Spotted, Rock	296	29,091	34,725	64,003	17,903	31,633	4,322	191,600
Tuna, Albacore	296	232,020	73,735	85	31,633	4,322	326,370
Tuna, Bluefin	121	17,740	4,620	52,445	158,820	84,112
Tuna, Skipjack	132,014	7,707	6,474	1,233	109,826	18,142	571,062	12,558	222,830	14,246	45,705	10,759	1,401,456
Tuna, Yellowfin	10,680	1,198,571	81,178	1,308,735
Whiting, Ocean	1,859	1,108	10,039	12,733	12,410	31,772	8,645	19,917	345	1,023	1,230	240	6,217
Yellowtail	274	469	767	10,039	12,733	12,410	31,772	8,645	19,917	345	496	98,439
Crustacean	38,473	15,676	19,142	76,281
Lobster, Spiny	1,183	437	1,382
Total pounds	295,246	5,064,433	4,439,390	324,550	1,637,663	1,455,933	1,691,468	364,807	1,737,399	319,962	266,219	457,560	18,044,599

Fishing Boat Landings from Waters South of International Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds	
Barracuda.....	60,000	32,413	15,615	34,730	112,805	38,351	33,086	70,350	44,500	105,946	74,000	43,544	686,015	
Cabilla, Pacific.....	3,276	36,757	19,069	4,425	40	18	6,045	—	—	737	1,117	71,459	55	
Codfish, Pacific.....	3,456	15,655	15,448	1,090	11,310	5,858	—	445	100	—	—	594	53,717	
Grouper.....	1,056	—	—	—	—	—	35,030	69,363	34,712	52,044	589	4,447	37,396	
Hakelet, California.....	67,202	54,172	8,149	10,162	2,610	61,533	7,490	6,113	618	480	492	1,000	104,947	
Mackerel, Pacific.....	217	1,256	1,220	1,252	28,110	—	—	—	—	—	—	1,782	7,022	
Porpoise, Common.....	287	—	—	—	—	—	349	37	—	—	213	—	879	
Porgy, Black.....	—	—	—	—	—	—	412	—	—	—	—	—	143	
Rock Bass.....	660	335	518	1,773	29,525	30,347	4,406	6,132	538	1,358	4,138	1,604	74,659	
Rockfish.....	4,374	32,030	35,879	27,882	15,584	10,602	2,317	14,770	4,186	3,486	7,003	4,559	159,543	
Sardine.....	—	—	—	—	—	—	—	—	—	—	56	—	109	
Solepin.....	—	—	—	—	—	—	—	—	—	—	—	—	—	
Sunfish.....	3,257	15,151	15,851	22,748	14,803	35,424	29,111	41,657	10,655	13,015	21,217	13,015	212,707	
Swordfish, White.....	70	783	3,413	3,748	6,093	21,297	20,234	10,766	101,055	68,174	34,254	13,915	322,440	
Shark.....	225	—	—	62	928	1,970	55	1,433	—	—	393	609	4,771	
Shrimps.....	1,586	373	—	—	58	532	182	1,124	—	—	2,455	113	1,685	
Sundi.....	705	—	—	—	35	—	34	7	—	—	541	535	2,188	
Sole.....	—	—	—	27	—	—	—	—	—	—	—	—	27	
Swordfish, Yellowtail.....	—	—	—	—	—	—	3,352	3,058	3,844	14,555	4,421	454	—	
Tuna, Bluefin.....	15,055	82,685	26,156	24,890	55,824	81,194	36,859	2,765	45	—	—	35,640	655,139	
Tuna, Skipjack.....	277,476	116,480	247,740	541,733	569,432	2,261,069	3,011,502	5,545,056	7,833,078	4,652,641	2,826,579	2,612,426	8,211,633	1,100,149
Tuna, Yellowfin.....	3,753,150	4,115,750	4,912,182	3,597,551	6,605,227	5,164,407	7,829,302	8,803,256	4,652,641	2,826,579	2,612,426	8,211,633	65,372,204	30,211,273
Whiting, Pacific.....	67,163	215,456	153,475	451,833	262,460	400,629	475,956	1,115,390	640,388	388,089	379,702	121,476	4,726,133	1,045
Yellowtail.....	—	—	—	—	—	—	—	—	—	—	—	—	—	
Crustaceans:														
Lobster, Spiny.....	207,113	220,177	196,024	—	—	—	—	—	—	—	8,670	111,383	185,604	
Total pounds.....	4,470,847	4,885,337	3,635,800	7,045,290	7,721,404	8,302,573	11,940,160	15,879,794	13,477,840	10,529,738	5,571,151	9,076,021	103,196,022	

COMMERCIAL FISH LANDINGS IN SAN DIEGO REGION DURING 1937—Continued
Shipments from South of International Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Cabilla, <i>Scomber</i>	7,450	300	7,750
Seabass, <i>Pomadasys</i>	10,540	8,685	29,235
Total pounds.....	27,136	8,985	36,121
Grand total.....	4,756,093	9,949,770	10,102,229	7,378,834	9,399,127	9,818,559	13,631,637	16,244,591	15,215,148	10,948,700	5,837,270	10,154,491	123,276,533

60

ORIGIN OF COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1938

Species	California	North of State Boundary	South of International Boundary	Japan	Total pounds
Anchovy	735,144				735,144
Barracuda	1,260,790		1,269,022		2,529,812
Cabezone	5,425				5,425
Cabrilla			217,191		217,191
Carp	38,866				38,866
Catfish	312,309				312,309
Corbina, Mexican			138,536		138,536
Cultus, Pacific	645,018	986			646,004
Eel	68				68
Flounder, Starry	542,604	208			542,812
Flying Fish	62,857				62,857
Grouper			67,958		67,958
Hake	36,425				36,425
Halibut, California	838,566		255,782		1,044,348
Halibut, Northern	405,616	175			405,701
Hardhead	12,946				12,946
Herring, Pacific	504,884				504,884
Kingfish	433,195		14		493,209
Mackerel, Horse	4,133,918				4,133,918
Mackerel, Pacific	79,846,761		1,254		79,848,015
Mackerel, Spanish			12,234		12,234
Mullet	3,806				3,806
Perch	183,421				183,421
Pike	985				985
Pompano, California	1,203				1,203
Ratfish	9,455				9,455
Rock Bass	255,627		30,460		286,087
Rockfish	3,467,823	524	168,790		3,637,137
Sablefish	415,836				415,836
Salmon	3,839,166	131			3,839,297
Sand Dab	638,628	700			639,328
Sardine	935,611,403		86		935,611,489
Sculpin	155,280		106		155,386
Sea-bass, Black	34,848		372,878		407,726
Sea-bass, Short-fin	2,259				2,259
Sea-bass, Totuava			2,767,408		2,767,408
Sea-bass, White	269,987		356,660		626,647
Seal trout, California	1,765				1,765
Shad	1,338,727				1,338,727
Shark	7,492,299	32	12,051		7,504,382
Sheepshead	61,107		10,924		72,031
Skate	528,138		135		528,273
Smelt	566,922		939		567,861
Sole	7,706,193	31,454			7,737,647
Split-tail	11,127				11,127
Sucker	462				462
Swordfish, Broadbill	320,534		401,044		722,478
Tomecod	3,040				3,040
Tuna, Albacore	4,789,880	7,702,795	29,919	1,052,041	13,574,835
Tuna, Big眼	10,512,262		1,215,769		17,729,031
Tuna, Bonito	4,684,570		3,155,423		7,839,993
Tuna, Oriental					
Tuna, Skipjack	2,816		22,650,815	3,490,343	26,152,974
Tuna, Yellowfin	10,566		78,277,578	74,861	78,363,005
Turbot	85,896				85,896
Whitebait	106,724				106,724
Whitefish, Ocean	24,129		43,883		68,012
Yellowtail	246,238		6,566,080		6,812,318
Miscellaneous Fish	284,279	213	1,049		255,541
Crustacean:					
Crab	3,868,664	3,496			3,872,160
Crab, Rock	3,947				3,947
Lobster, Spiny	308,578		889,595		1,197,573
Shrimp	1,851,211		4,932		1,856,143
Mollusk:					
Ablone	2,121,468				2,121,468
Clam, Cockle	23,831				23,831
Clam, Gaper	4,074				4,074
Clam, Pismo	214,571				214,571
Clam, Razor	471				471
Clam, Soft-shell	87,219				87,219
Clam, Washington	28,094				23,996
Murex	150				150
Octopus	32,632				32,632
Oyster, Eastern	230,742				280,742
Oyster, Japanese	1,237,421				1,207,421
Oyster, Native	32,161				32,161
Squid	1,590,164		155		1,599,319
Total pounds	1,091,200,617	7,740,714	115,919,630	4,630,573	1,222,491,534

REGION OF LANDING OF COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1938

Species	Del Norte and Eureka Region	Sacramento Region	San Francisco Region	Monterey Region	Santa Barbara Region	Los Angeles Region	San Diego Region	Total pounds
Anchovy.		251,750	54,155		446,259			735,144
Barracuda.				103,141	1,567,384	887,239		2,829,512
Cabrilla.	211	1,560	3,346	49				453
Cod.		34,551		1,341	147,457	69,354		217,191
Codfish.		312,945		50				309,995
Cobia, Mexican.					14			312,209
Cuttlefish.	284,692		174,898	85,271	415	138,536		138,536
Eel.						1,262	28	646,004
Frigate, Starry.	275,743		251,883	13,052	214		68	68
Grouper.						52,832		542,537
Hake.						21,527	46,451	67,958
Halibut, California.	1,740		16,015	16,535				16,535
Halibut, Northern.	1,105		14,553	39,546	360,750	24,224	422,172	1,094,348
Haddock.	405,466		200	35				405,791
Herring, Pacific.		12,946						12,946
Herring.	5,125	405,621	767	47				3,226
Kingfish.		6,218	146,000	146,000		503,655		504,884
Mackerel, Horse.			94,505	399		3,053,654		3,056,250
Mackerel, Pacific.			1,615	1,482,358	55,743	75,971,063	4,355,968	4,333,018
Makete.					181			79,948,015
Mullet.						331	3,475	3,475
Percy.	8,560		60,276	15,743	5,555	79,232	691	185,441
Pike.								965
Pompano, California.		955				631	572	1,203
Rattail.				5,912	5,450	11		9,355
Rock Bass.				14	29,838	110,533	146,682	296,087
Rockfish.	547,603		358,829	1,845,005	160,308	284,474	234,788	3,437,157
Sablefish.		1,070	270	103	1	134,500		134,500
Salmon.	1,853,715	1,698,376	117,549	194,474	182			3,839,297
Seabass.	225,205		1,649	1,649	1			1,649
Sardine.						2,259		2,259
Sculpin.		64,136,500	214,716,747	311,385,696	1,116	250,858,941	5,512,989	933,611,489
Sea-lion, Black.					531	61,278	61,259	135,356
Sea-lion, Short-fin.					12,831	21,772	21,759	21,759
Sea-lion, Steller.						2,259		2,259
Sea-lion, White.						2,000,643	3,771	2,767,414
Sea-trout, California.	666		11,071	20,803	20,654	140,183	317,751	566
Shad.								1,841,217
Shark.	140,440	2,278,125	2,048,469	1,763,543	1,014,564	208,815	61,024	7,604,385
Sheepshead.						6,218	52,922	12,891

Skate	50,952	39,385	62,350	35,828	6,718	800	538,272
Sole	12,220	255,915	62,800	41,453	178,712	5,758	567,461
Sole,	3,883,260	3,192,731	432,859	204,706	4,019	63	7,737,647
Split-tail	11,227						117
Swordfish							462
Swordfish, Broadbill							
Tomcod	2,165	821					5,049
Tuna, Albacore	22,707	7,017	2,601,376	244,459	9,766,440	943,043	13,374,655
Tuna, Bluefin							12,971,011
Tuna, Skipjack							2,830,993
Tuna, Yellowfin							78,361,005
Turbot	635	78,075	8,875			11	4,358
Whiting	98,118	8,000	2,610			10,361,663	21,090,715
Whitefish							106,724
Yellowtail							68,012
Miscellaneous Fish	85,323	10	77,030	8,651	6,611	107,177	6,812,138
							208,541
Total pounds	8,824,733	69,780,966	303,606,581	232,432,104	3,749,856	49,332,627	97,746,147
							1,222,491,534

63

MONTHLY COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1938

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Ashberry	46,700	2,902	4,407	41,979	133,020	72,498	8,250	18,755	35,038	118,500	41,720	157,241	733,144
Barracuda	210,314	163,037	100,316	103,532	220,621	317,968	239,804	203,833	227,608	256,077	163,240	155,293	2,022,812
Cabezone	1547	156	333	760	760	705	491	73	159	415	214	581	5,425
Cod	42,000	14,000	20,000	26,000	26,000	29,000	29,000	—	—	7,150	21,000	46,000	217,151
Corn	862	1,441	7,049	23,815	795	416	—	—	115	250	861	1,531	1,757
Cuttlefish	15,522	5,533	21,557	42,557	3,500	3,650	3,650	—	—	58,783	58,248	58,657	31,154
Cobia, Mexican	8,587	11,521	21,694	76,048	1,807	—	—	—	—	—	—	—	312,209
Culter, Pacific	46,784	33,618	34,629	50,938	27,661	83,702	89,116	67,606	55,150	53,912	43,384	34,153	646,004
Dab	—	—	—	—	—	—	—	—	—	—	—	—	—
Flounder, Starry	13,267	27,820	34,492	56,883	11,936	48,713	174,802	44,615	30,028	38,724	40,744	9,716	543,812
Frigate Fish	—	—	—	—	—	—	—	—	—	—	—	—	—
Grouper	3,756	2,168	1,455	11,072	1,540	13,246	5,403	6,982	2,436	180	7,322	20,743	51,558
Hake	1,449	2,000	150	763	8,900	18,300	159	—	2,310	715	250	669	36,425
Hake, Yellowtail	13,400	13,125	10,800	98,424	1,227	67,271	120,000	100,000	90,411	88,802	45,797	1,087,184	1,087,184
Haddock, Northern	—	—	—	—	—	—	—	—	—	—	—	—	403,791
Haddock, Spanish	1,055	925	24	2,883	—	—	—	—	—	4,554	4,554	420	3,264
Herring, Pacific	29,000	150,000	1,400	1,400	1,400	42	—	—	—	—	—	—	12,946
Kingfish	41,714	37,108	14,769	75,996	58,426	47,555	36,228	27,259	25,444	37,566	44,887	49,033	403,209
Mackerel, Horse	2,200	6,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	4,133,618
Mackerel, Pacific	9,714,018	2,387,240	1,053,570	3,681	67,471	1,157,022	3,240,721	22,193,440	11,479,588	6,743,053	6,319,010	14,213,700	70,000,000
Mackerel, Spanish	3,000	1,795	—	—	—	—	—	—	—	—	—	—	12,244
Mullet	—	—	—	—	—	—	—	—	—	—	—	—	—
Perch	21,662	19,805	20,000	50,402	1,307	8,720	8,002	11,861	3,538	9,213	13,332	9,119	183,421
Pike	27	114	397	227	1	300	63	625	9	55	64	80	985
Pompano, California	—	—	—	—	—	—	—	—	—	—	—	—	1,203
Patash	—	115	—	250	415	1,570	260	972	—	—	1,555	313	9,353
Rockfish	7,387	15,300	21,157	24,400	40,500	41,500	61,000	61,000	29,784	11,755	18,150	10,500	256,087
Rockfish	400,291	322,820	361,048	503,476	287,784	355,548	379,433	177,775	197,420	186,081	288,500	259,217	3,012,127
Sablefish	14,496	24,723	37,700	40,359	19,701	63,143	37,000	53,513	58,767	35,600	6,439	415,836	—
Salmon	—	—	—	—	—	—	—	—	—	—	—	—	3,025,217
Sand Dab	44,068	63,044	65,096	40,603	66,840	78,457	62,587	76,242	57,034	20,310	31,165	28,899	639,328
Sardine	392,816	54,000	14,000	50,000	44,000	27,757	27,757	50,000	27,757	10,731	10,731	10,731	935,611,489
Seafish	8,511	6,390	9,642	19,807	14,500	10,731	10,731	10,731	10,731	8,283	8,283	8,283	12,200
Sea Bass, Black	—	25,171	37,359	29,005	17,723	25,500	30,112	55,982	30,359	70,999	41,480	22,650	20,714
Sea Bass, Shallow	—	—	—	—	—	—	—	—	—	—	—	—	1,203
Sea Bass, Totowa	362,306	650,264	535,345	237,994	235,407	115,270	—	—	—	142,000	175,151	223,662	2,767,408
Sea Bass, White	15,300	22,000	17,618	11,108	20,671	13,506	34,034	43,051	271,555	80,387	47,403	46,864	566
Sea Trout, California	256	330	—	—	—	—	—	—	—	—	—	—	566
Shad	—	—	—	—	—	—	—	—	—	—	—	—	—
Shad	653,982	402,279	307,270	95,193	100,320	401,903	714,308	1,825,179	1,813,143	502,970	252,013	752,497	7,504,382

Sleephead.....	4,434	5,566	2,559	11,155	7,175	8,450	1,921	1,955	5,216	7,032	10,118	9,646	72,931
Skate.....	6,400	77,441	1,100	31,369	42,538	63,123	72,427	64,047	46,700	38,558	39,148	34,165	52,273
Smelt.....	31,369	42,538	63,123	72,427	64,047	46,700	38,558	39,148	34,165	50,111	42,234	40,905	567,861
Stellifer.....	610,347	482,147	466,163	709,170	320,755	750,171	698,502	866,375	782,146	782,146	552,029	382,092	7,719,947
Stellifer, Sardine.....	1,074	1,074	1,074	1,074	1,074	1,074	1,074	1,074	1,074	1,074	1,074	1,074	11,127
Stickleback.....	62	76	95	95	95	95	95	95	95	10	30	271	1,462
Stickleback, Broadbill.....	42,758	42,758	42,758	42,758	42,758	42,758	42,758	42,758	42,758	42,758	42,758	42,758	722,728
Tuna, Albacore.....	7,307	26,624	26,624	26,624	26,624	26,624	26,624	26,624	26,624	26,624	26,624	26,624	5,049
Tuna, Bonito.....	740,259	507,843	102,811	2,348	6,112	67,112	377,411	613,563	1,770,745	2,659,112	872,863	51,872	17,083
Tuna, Oriental.....	1,074	1,074	1,074	1,074	1,074	1,074	1,074	1,074	1,074	1,074	1,074	1,074	1,074
Tuna, Yellowfin.....	3,698,844	2,857,741	5,081,402	4,153,023	9,470,782	10,331,444	13,616,037	9,071,027	7,754,422	5,120,409	3,717,205	2,669,988	78,363,003
Turbot.....	8,816	2,101	2,101	2,101	2,101	2,101	2,101	2,101	2,101	2,101	2,101	2,101	45,654
Whiting, Atlantic.....	4,843	12,025	12,511	19,654	11,738	27,055	16,531	1,099	1,099	1,099	1,099	1,099	106,724
Whiting, Ocean.....	20,244	9,245	2,153	1,839	1,418	995	1,811	1,703	1,549	8,283	4,014	6,244	10,042
Whitingtail.....	104,220	55,050	104,220	104,220	104,220	104,220	104,220	104,220	104,220	104,220	104,220	104,220	6,310,118
Minnows and fish.....	11,065	13,596	13,032	13,032	13,032	13,032	13,032	13,032	13,032	13,032	13,032	13,032	285,541
Croakers.....	341,892	342,547	219,104	422,660	486,210	311,119	305,122	304,762	6,572	-----	472,916	565,576	3,872,169
Crab, Rock.....	80	80	80	80	80	80	80	80	80	80	80	80	42,427
Lobster, Spiny.....	230,809	258,643	173,198	173,198	173,198	173,198	173,198	173,198	173,198	173,198	173,198	173,198	1,197,073
Shrimp.....	62,571	16,077	43,197	72,213	121,102	286,163	433,643	340,380	214,902	83,329	90,967	71,568	1,856,143
Total pounds.....	12,537,517	53,231,737	23,330,030	12,311,923	11,7,5,116	26,677,373	37,15,154	109,964,751	17,532,5,2	132,272,456	201,473,012	282,857,500	1,222,491,534

\$15

COMMERCIAL FISH LANDINGS IN DEL NORTE AND EUREKA REGION DURING 1938
Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Cabazon	160	51											211
Cod, Pacific	14,227	21,601	26,635	22,457	1,620	31,050	173,233	56,872	65,742	56,122	18,827	9,440	326,949
Flounder, Starry	1,013	627	4,457	1,115	150	100	715	10,473	4,688	10,473	400	200	275,523
Hake			460	115	150	100							1,740
Hake, Northern				1,730									1,003
Hake, Northern			42,630	41,948	156,559	148,848	4,644	4,554	3,753				405,291
Herring, Pacific	8,100	25											5,125
Pewit		600		2,501	1,511	1,511							8,920
Rockfish	9,677	13,296	10,962	63,455	18,144	41,011	141,983	21,830	40,818	75,857	83,406	126,538	547,079
Solefish	415	1,080	3,099	3,523	50,953	363,994	61,527	287,700	261,152	23,893	7,830	1,103	2,100
Solefish			13,655	13,655	50,953	363,994	61,527	287,700	261,152				1,833,384
Sand Dab	1,040	546	25,601	15,560	39,597	38,504	44,911	43,602	17,838	2,695	918		279,503
Sand Dab, California	1,040	546	25,601	15,560	39,597	38,504	44,911	43,602	17,838	2,695	918		279,503
Sea Lamprey	150												166
Shark	2,427	248		2,053	85	253	3,599	30,925	32,366	15,929	24,178	28,051	140,698
Skate			7,093	7,093	9,042	7,686	7,686	1,533	1,533	4,033	4,033	2,580	1,860
Smelt	180	155		1,703	542	1,533	1,943	1,943	1,943	1,943	1,943	1,943	13,225
Sole	3,900	884	32,114	450,363	204,025	456,637	568,088	678,948	588,357	478,865	328,239	58,473	3,831,815
Tuna, Albacore				100	100	100	100	100	100	100	100	100	22,270
Turbot			350	260	135	135	15,877	87	6,306	45			22,270
Whiting	4,175	10,620	10,554	18,280	9,100	25,340	16,050	1,651	12,453	12,410	11,925	36	96,125
Miscellaneous fish	200	200	1,695	7,365	6,100	12,885	31,915	6,922				1,960	85,190
Crustaceans:													
Crab	28,444	19,782	18,500	38,466	73,672	43,446	145,774	135,444	6,972	-----	1,476	23,660	531,036
Mollusk:													
Chin, Hair	16	15	15	10	165	200	34	30	25	147	51	471	534
Chin, Soft-shell	15	15	3	3	38						53	53	53
Chin, Washington	2,369	2,582	2,412	2,451	1,124	1,124	1,124	2,357	3,152	2,040	2,113	19,995	
Oyster, Eastern	200	200	1,124	1,124	1,124	1,124	1,124	1,124	1,124	1,124	1,124	1,124	1,565
Oyster, Native					556				2,556	7,845	9,298	9,361	20,600
Total pounds	73,635	72,018	130,622	\$36,076	443,172	1,309,580	1,590,015	1,456,120	1,139,033	69,237	498,681	163,332	8,786,814

Fishing Boat Landings from Waters North of State Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Culter, Pacific.....					150			457	360				966
Diamond Sculpin.....					175			73	151				298
Hake, Northern.....					175			25	521				175
Rockfish.....					16			25					524
Sablefish.....					175			525					111
Sand Dab.....					14,663			9,727	7,052				700
Shark.....					140			73					32
Stickleback.....													31,434
Miscellaneous fish.....													213
Crustacean:													
Crab.....					1,690			24	1,72				3,496
Total pounds.....					16,983			130	12,632	8,112			37,919
Grand total	73,638	72,018	120,022	836,075	470,157	1,302,549	1,981,045	1,468,812	1,147,115	674,237	498,681	163,332	8,824,753

12

COMMERCIAL FISH LANDINGS IN SACRAMENTO REGION DURING 1938
Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Carp.....	862	1,441	5,714	23,769	299	416	115	250	571	1,291	1,757	36,965	
Chub.....	15,525	8,853	24,076	42,563	3,882	5,050	5,462	3,183	58,783	58,248	56,657	31,154	312,245
Goldfish.....	1,625	625	245	2,025	4,000	4,000	1,625	1,625	16,250
Pike.....	27	114	902	220	3	28	53	64	80	953	
Salmon.....	2,251	1,001	5,024	12,198	31,669	9,394	100,775	1,439,000	2,100	11,010	1,600,000	
Shad.....	10,379,300	14,814,000	8,401,600	10,790,000	10,531,600	64,132,900	
Shad.....	13,179	630,683	704,858	15,564	584,345	1,100,000	1,124	1,338,722	
Sail.....	4,241	186,604	1,000	1,153	10	771	1,209	462	2,274,755
Split-tail.....	717	1,974	1,748	2,431	11,127	
Sucker.....	62	76	189	95	10	10	
Unidentified Fish.....	
Total pounds.....	10,604,015	202,660	240,207	704,508	743,228	15,400	17,025	348,326	17,494,031	8,402,048	10,836,156	19,000,773	60,789,866

COMMERCIAL FISH LANDINGS IN SAN FRANCISCO REGION DURING 1938
Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Anchovy											30,000		281,750
Cabaneau													1,569
Codfish, Common	15,359	11,431	13,771	21,460	15,060	20,431	21,233	15,584	5,520	16,035	11,893	4,710	173,988
Fishwives, Starry													3,000
Hake	12,491	20,419	22,772	20,255	19,600	18,133	19,255	5,509	5,520	16,644	10,100	3,000	103,053
Hake, California	1,440	2,900	150	150	6,665	3,900			2,210				18,015
Halibut, Northern	383	1,257	394	2,430	267	7,000	559	184	320	20	219	1,245	14,333
Herring, Pacific	245,322	149,561	5,496										250
Kingfish													17,225
Mackerel, Pacific	1,613												495,621
Perry													1,013
Rockfish	79,353	51,673	109,032	57,419	30,152	36,053	32,451	28,455	11,202	39,089	30,257	5,520	369,426
Sablefish													8,607
Salmon													31,249
Sand Dab	42,020	62,392	57,658	8,530	50,930	24,980	22,144	24,760	12,543	10,983	15,446	25,672	338,669
Sardine													1,071
Sea Bass, White	29,690,302	55,000											294,716,747
Shark	555,734	132,659	44,092	61,007	2,670	8,104	7,564	5,414	7,589	544,911	129,474	348,978	2,048,499
Seatear													1,071
Sequit	11,858	15,403	55,175	37,425	29,147	16,870	13,481	17,243	4,016	9,640	14,943	20,924	329,385
Sole													2,013
Tuna													3,199,731
Tuna, Albacore													556
Turbot	5,127	1,005	3,111	11,401	10,902	6,114	7,454	10,235	625	3,730	2,333		7,017
Whiting													3,000
Miscellaneous Fish	12,303	12,493	10,345	3,370	6,711	1,757	1,190	1,370	3,322	7,805	6,986	9,287	77,030
Crustacean:													
Crab, Rock	313,476	319,228	197,008	383,696	403,688	261,795	249,822	167,454			432,246	421,090	3,169,658
Crab, Snow	61,696	15,552	41,137	72,009	117,310	206,183	435,248	346,074	214,054	83,173	89,809	70,551	1,947,929
Mollusk:													
Clam, Cockle	44	38	20	37	20	23	41	40	15	18	91	27	414
Clam, Gaper	211	151	424	518	360	474	232	160	180	180	180	180	3,274
Clam, Green	6,820	7,571	6,000	7,250	8,700	7,045	5,650	7,210	6,014	7,027	6,277	7,030	30,683
Clam, Washington	232	165	221	285	332	258	404	388	288	72	169	234	3,090
Oyster, Atlantic	181	119	244	60	1,421	1,531	644	39	82	79	13	6,181	
Oyster, Eastern	24,788	31,365	29,335	21,792	19,670	16,720	13,692	13,642	20,002	22,685	13,916	26,043	91,145
Oyster, Japanese	91,769	101,048	116,279	115,429	73,870	61,177	51,642	75,643	77,985	111,010	124,455	175,150	1,173,971
Oyster, Native	2,944	1,418	2,180	4,540	4,539	4,913	4,991	2,531	724	1,724	1,518	2,014	32,019
Total pounds	32,129,043	1,534,804	1,178,116	1,078,001	1,380,684	1,199,327	1,104,671	7,645,725	69,549,433	44,826,614	45,093,228	102,686,145	309,606,681

COMMERCIAL FISH LANDINGS IN MONTEREY REGION DURING 1938

Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Anadory	54	85	2,050	23,440	2,830	200	1,700	1,850	1,445	415	273	581	34,135
Cabezone			1,335	317	150	673	169	73	159				3,546
Carp			45	59									1,041
Catfish			59										59
Cuttle, Pacific	13,296	3,135	4,023	6,164	5,430	5,412	4,405	3,642	2,134	1,227	13,718	19,626	85,271
Flounder, Scaly	499	388	2,795	1,971	1,550	14,400	98	50	357	580	2,942	3,615	13,032
Dike Fish													16,350
Hakelet, California	2,381	4,058	4,198	619	512	4,502	8,463	9,098	1,984	346	703	1,884	39,886
Hakelet, Northern													33
Herring, Pacific			397		370								767
Kingfish	11,747	4,903	5,440	14,231	10,612	16,700	10,000	13,000	20,000	20,000	11,000	11,000	146,829
Mackerel, Horse	2,042	2,244	3,244	3,244	3,244	3,244	3,244	3,244	3,244	3,244	3,244	3,244	35,353
Mackerel, Pacific	115,408	99,376	17,200	1,143	69,478	61,353	70,181	678,152	206,588	108,027	47,329	20,930	1,652,238
Perc	361	1,262	3,244	3,244	3,244	3,244	3,244	3,244	3,244	3,244	3,244	3,244	3,244
Buffalo			115	3,500	230				47				3,017
Rock Bass													11
Rockfish	269,259	180,842	174,038	245,922	196,523	211,700	148,283	21,284	31,217	29,416	125,416	144,333	1,849,053
Sable-fish		99	121	3,633	5,460	12,803	11,212	4,532	335		200	310	38,480
Salmon													10,114
Seal-Dab	291	91	5,655	13,420	1,557	12,654	1,179	5,839	305	277	5,462	1,305	43,469
Sardine	16,922,741	2,097,643	27,450	203,118	328,833	338,865	234,695	47,500,811	37,716,292	35,231,115	63,021,176	64,158,452	311,385,696
Seabass, White	2,754	129											503
Shad					5								5
Shark	60,436	37,467	26,177	7,394	2,182	94,775	336,472	674,504	258,401	11,232	96,344	170,615	1,705,443
Skate		12,241	12,241	12,241	12,241	12,241	12,241	12,241	12,241	12,241	12,241	12,241	92,550
Smelt		3,450	781	345	221	1,560	11,111	12,584	7,135	12,182	12,255	12,525	13,225
Soles													92,800
Tuna, Albacore	12,011	18,837	62,818	110,779	40,109	34,544	5,184	7,185	3,184	20,200	21,420	45,559	2,591,276
Tuna, Bonito								715	295,597	1,358,192	934,618	7,331	
Turbot			491	1,696	2,000	3,264	261	360	11	3,233			1
Whitefish			93	80	411	1,032		43		360	331	555	8,873
Miscellaneous Fish		301	1,320	2,625	349	2,431	1,419	223	349	144	455	200	5,931

Crustacean:												
Crab.....	1,872	3,532	3,536	2,484	7,170	6,868	1,569	72	312	38	156	19,300
Shrimp.....	60	294	10	395	312	38	156	1,075
Mollusk:												
Above:	46,350	146,575	251,500	124,775	266,550	145,900	139,700	7,550	56,650	17,800	1,203,850
Clam, Cockle.....	2	122	90	222	222	120	120	4,794	3,833	2,898	7
Clam, Pismo.....	3,458	2,039	1,500	983	150	667	20,110
Mussel.....	563	50	101	3,031	3,599	4,800	4,220	2,561	1,803	150	1,955	150
Oyster.....	563	50	101	3,031	3,599	4,800	4,220	2,561	1,803	150	1,955	24,437
Oyster, Japanse.....	8,000	5,105	151,099	440,987	38,070	34,915	49,570	151,098	499,358	47,990	8,000
Squid.....	43,530	5,105	1,472,003
Total pounds.....	17,497,406	2,477,639	376,279	903,633	1,161,618	1,501,045	1,209,718	49,525,043	59,899,220	39,544,545	64,549,669	64,786,771
												323,402,104

COMMERCIAL FISH LANDINGS IN SANTA BARBARA REGION DURING 1938
 Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Barnacles													50,018
Cabrelos	25	20	43	813	816	932	84	6,671	11,020	38,662			99
Codfish, Pacific	45	10	100	155	59	52	23	11					513
Flounder, Starry													294
Hake, Pacific	30,138	22,018	30,975	24,394	21,066	27,411	25,395	30,723	43,611	39,214	33,372	21,078	356,720
Herring, Pacific													42
Kingfish													100
Mackerel, Horse													21
Mackerel, Pacific	7,558	125	140	50	32	53	42	73	26				416
Perch													109
Rudderfish	22,866	32,224	8,461	22,106	15,818	9,613	8,908	7,161	1,828	991	6,507	17,345	100,008
Rock Bass	1,128	9,873	719	2,090	1,045	2,218	1,912	1,532	491	818	1,212	5,177	28,828
Rockfish													14
Solefish													182
Salmonids								35	145				2
Sardine	16	221	11	442	43	612	11						1,116
Squid													531
Sea-Ing. Blenny	343	1,833	1,833	509	252	1,115	1,830	518	1,921	2,485	169	320	13,645
Sea-Ham, White	3,813	1,369	3,405	2,324	933	629	15	183	20,303	13,146	19,654	16,445	93,034
Shark	20,313	31,050	31,161	11,661	51,651	42,602	29,849	104,849	29,849	8,113	4,318	1,043	1,6164
Sleepershead	169	1,445	1,361	30	262	257	189	44		566	18	1,044	6,218
Skate	2,013	3,456	3,557	3,289	3	3,056	3,700	2,900	1,425	3,550	3,276	3,245	35,825
Smelt	3,121	3,456	3,412	11,727	14,509	1,376	1,312	1,310	1,310	1,310	1,310	1,310	41,453
Sole	8,106	10,872	10,445	35,812	25,636	12,569	10,383	13,366	24,065	20,521	12,822	11,044	204,706
Starfish, Broadbill								2,009	2,009	2,009	2,009	2,009	20,090
Tuna, Albacore								1,811	18,600	33,903	138,764	1,411	244,489
Tuna, Bluefin									9,647	173			9,820
Tuna, Skipjack									1,069	455	10,900	5,840	513
Whitefish, Ocean	3,742	918	419	64	77	21	233	179		745	220	1,384	7,790
Mucilaginous Fish	399	791	345	365	379	356	142	369	438	789	1,155	1,007	6,611
Crustaceans													10
Dolph. Rock	23,134	14,792	5,017							38,484	12,340	14,472	109,860
Lobster, Spiny													2
Mollusk													1
Absalone	48,337		3,867	102,975	189,775	84,100	145,485	103,005	68,317	35,812	94,225	33,200	909,905
Oyster, Pacific	1,000	18,210	18,210	1,211	2,081	20,801	19,521	19,521	19,521	19,521	19,521	19,521	1,451
Oyster, Japanese	470	1,392	2,492	1,652	759	711	1,528	2,052	2,140	3,809	3,008	3,610	23,450
Total pounds	195,739	151,009	120,079	245,203	342,987	367,199	337,739	371,575	358,512	366,178	258,501	185,009	3,703,659

2

Fishing Boat Landings from Waters South of International Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Barracuda.....	46,200
Total pounds.....	46,200
Grand total.....	196,789	131,609	139,689	246,505	342,687	367,196	337,759	371,375	358,813	366,176	258,361	194,298	3,749,836

COMMERCIAL FISH LANDINGS IN LOS ANGELES REGION DURING 1938
Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Anchovy.....	50,769	2,563	1,737	2,330	2,812	3,439	150	16,905	32,693	115,500	19,750	197,243	440,259
Barracuda.....	3,270	4,813	58,188	149,435	215,165	174,934	134,392	43,739	21,398	404	209	240	838,758
Carp.....	14	14
Catfish, Common.....	121	19	121	14	18	3	18	41	8	888	22	1,205	1,205
Cod, Pacific.....	32	8	62,657
Flying Fish.....	758	32,845	12,345	5,495	6,567	3,439	180	22,222
Hake.....	151	151	151	151	151	151	151	151	151	151	151
Hhalibut.....	30,027	20,282	43,663	40,620	16,625	26,575	8,420	11,721	8,810	13,622	2,754	8,515	229,748
Kingfish.....	30,027	32,444	9,072	60,323	44,922	34,255	25,445	13,763	15,125	17,162	27,390	28,968	339,098
Mackerel, Horse.....	2,838	67,121	48,182	29,182	3,000	9,460	10,620	12,200	11,120	11,120	11,120	11,120	3,865,463
Mackerel, Pacific.....	6,404,563	2,267,758	1,068,627	2,013	4,259	324,547	2,771,993	20,648,166	11,150,357	6,406,023	5,527,331	13,533,015	73,971,748
Mallot.....	190	84	25
Pershing.....	13,355	7,966	8,050	16,820	14,405	8,330	1,514	3,830	888	8,396	8,701	2,317	79,232
Pompano, California.....	163	7	29	42	200	62	104	6	12	4	1	631	1
Redfish.....	1
Rock Bass.....	29,872	26,322	42,364	45,760	22,197	13,285	24,162	9,955	7,449	12,079	16,394	28,215	212,879
Rudderfish.....	14,107	20,320	20,607	31,069	9,416	1,211	1,211	1,211	1,211	1,211	1,211	1,211	51,460
Sand Dab.....	717	561	807	654	259	836	340	534	387	308	349	412	6,181
Sardine.....	43,579,882	52,440,882	18,585,213	22,770	20,445	4,415	10,180	32,360	105,520	49,620	7,090	70,710	259,149,191
Sole, California.....	1,716	4,112	1,043	11,958	12,120	9,561	10,609	6,424	7,090	5,008	4,444	93,276	93,276
Sea Bass, Black.....	02	56	498	2,148	1,957	1,740	795	3,160	1,012	703	1,320	17,473
Sea Bass, White.....	1,270	2,400	3,477	18,177	18,577	3,377	18,177	20,081	26,181	26,181	26,181	26,181	92,597
Shark.....	3,248	2,531	10,133	12,696	36,638	49,560	26,168	31,633	14,569	10,833	6,336	2,064	201,431
Sheepshead.....	1,573	2,034	1,206	10,729	8,745	4,105	1,633	1,531	2,658	4,577	8,279	6,210	32,120
Skate.....	493	1,020	1,020	1,020	1,020	1,020	1,020	1,020	1,020	1,020	1,020	1,020	7,18
Señorita.....	13,883	15,401	6,953	22,096	17,246	16,297	8,629	10,980	13,978	21,159	18,291	14,601	178,712
Sole.....	92	446	415	504	354	13,998	271	271	271	271	271	271	271
Swordfish, Broadbill.....	175,990
Tuna, Albacore.....	141	141	141	141	141	141	141	141	141	141	141	141	1,627,148
Tuna, Bonito.....	457,256	205,421	37,223	454	1,460	13,586	15,167	245,668	1,038,059	677,330	10,889	13,227	14,674,929
Tuna, Skipjack.....	2,976,570
Tuna, Yellowfin.....	15	2,010	3,445	554	58	15	151	151	151	151	151	151	15,613
Miscellaneous Fish.....	643	282	123	809	1,771	4,092	1,511	30,916	30,486	13,063	7,218	17,319	106,442

F-2

Crustacean:												
Crab, Rock.....	502	533	47	500	775			1,068	43,975	10	42	3,837
Lobster, Spiny.....	23,451	12,331	5,557							25,437	32,599	143,342
Mollusk:												
Abalone.....	30	216	1,702	1,640	450	930	812	795	450	523	7,610	
Clam, Cockle.....	1,560	1,693	2,123	1,801	1,846	2,513	1,831	851	3,101	2,682	1,719	1,546
Oyster.....	33	31	21	21	21	21	21	21	21	21	21	21
Squid.....	345	53,865	63,170							75	75	4,890
Total pounds.....	57,603,020	55,915,738	16,096,964	591,023	425,450	3,123,511	10,251,736	25,856,930	15,104,614	8,176,768	76,712,645	90,822,882
												290,790,594

Fishing Boat Landings from Waters North of State Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Tuna, Albacore.....										1,501,382	35,998		1,537,380
Total pounds.....										1,501,382	35,998		1,537,380

COMMERCIAL FISH LANDINGS IN LOS ANGELES REGION DURING 1938—Continued
Fishing Boat Landings from Waters South of International Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Barnacles.....	155,265	122,023	67,031	1,280				2,420	30,040	118,110	113,627	55,996	725,281
Cabilla.....	18,665	7,231	4,860			9,058					21,751	22,322	83,997
Codfish, Mexican.....	2,158	1,019	353								261	4,522	721
Grouper.....												24,557	24,557
Hake, California.....	7,755	33								354	248	46	8,476
Mackerel, Pacific.....												230	230
Mackerel, Spanish.....	810	1,792				155					652	1,347	1,302
Rockfish.....	1,205	1,350	365			345	100	89		478	696	1,562	7,038
Rockfish.....										478	3,471	4,112	8,550
Sea-bass, Black.....	13,200	12,936	5,535	4,007	5,544	14,710	40,200	24,739	58,144	23,765	4,112	2,639	217,822
Sea-bass, Yellow.....								32		22,311	22,311	222	41,516
Shark.....										85	1,050	229	1,394
Swordfish, Broadbill.....											345		792
Tuna, Bluefin.....										55,714	15,204	600	83,446
Tuna, Bluefin.....						72				165,330	381,969		527,371
Tuna, Skipjack.....	152,125	1,625	125					341	1,275,247	145,569	11,755		2,451,925
Tuna, Skipjack.....		215	202,831	246,458	825,383	853,417	1,733,728	1,505,503	1,456,250	856,569	185,809	185,809	7,250,250
Tuna, Yellowfin.....	772,465	631,882	1,377,549	707,903	2,524,075	1,839,103	4,403,035	3,546,063	2,391,214	598,987	399,560	19,113,409	
Whiting.....												2,007	
Yellowtail.....	1,375	1,766	1,732	194	341	1,669	131,025	1,759,473	378,301	2,344	8,575	1,417	3,386,892
Miscellaneous Fish.....									350	111	234	693	
Total pounds.....	1,158,383	841,545	1,664,494	1,614,297	3,359,031	2,820,969	6,329,045	8,465,633	5,354,176	1,753,014	446,598	732,914	33,940,372

76

Shipments from North of State Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Tuna, Albacore.....	7,307	26,624		5,538	500	4,435	3,899,134	505,620	957,751	150,062	5,539,871
Total pounds.....	7,307	26,624		5,538	500	4,435	3,899,134	505,620	957,751	150,062	5,539,871

Shipments from South of International Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Barracuda.....			316										316
Cabrilla.....			2,672	29,555	22,101	6,421				432	1,162	4,318	63,669
Catfish.....	8,831	11,921	22,049	14,494	1,897					109	4,007	12,042	121,113
Sea-bass, Black.....			177										177
Sea-bass, Tottenya.....	392,305	631,949	321,543	220,609	276,611	113,089				129,214	178,151	216,165	2,696,637
Crustacean:													
Shrimp.....	1,425	215			3,262								4,932
Total pounds.....	402,318	664,095	547,313	320,512	303,891	119,510				129,745	180,320	222,323	2,900,537

Shipments from Japan

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Tuna, Albacore.....					1,928	366,662	386,537	269,022					1,602,641
Tuna, Oriental.....					1,182								4,328
Tuna, Skipjack.....	106,302	66,539	698,158	1,109,436	1,075,111	371,222	74,388						3,494,513
Tuna, Yellowfin.....					49,93								74,561
Total pounds.....	106,302	66,539	698,158	1,109,436	1,043,701	508,179	395,147						4,630,573
Grand total.....	59,269,929	57,537,092	15,375,320	2,633,458	5,198,247	2,767,091	17,094,045	35,619,546	29,967,410	12,501,070	77,320,620	91,891,021	409,332,627

COMMERCIAL FISH LANDINGS IN SAN DIEGO REGION DURING 1938

Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Barracuda	60	148	74	5,183	56,970	95,817	123,173	55,591	24,639	967	8	384	363,014
Cultus, Pacific											23		23
Halibut, California	27,476	45,645	31,746	31,005	8,603	2,394	1,417	6,633	3,378	384	7,280	8,905	174,866
Herring, Pacific				42							3,279	50	3,329
Kingfish						100		66	45	38	331	20	642
Mackerel, Horse					7,765	61,936	11,569						51,270
Mackerel, Pacific	245,586	20		327	12,375	738,732	398,497	763,515	319,380	225,984	739,092	912,291	4,355,999
Mullet				270	1,147	628		36			1,344	50	3,475
Perch							691						691
Pompano, California								572					
Rock Bass	842	400	3,046	8,737	6,169	15,740	19,562	45,800	20,001	720	2,201	281	123,499
Rockfish	4,701	845	3,243	7,709	13,866	19,155	5,014	7,735	3,306	612	1,591	6,786	74,563
Sardine													5,512,903
Sculpin	214,915	150,245	112,035	68,487	4,435	1,929	2,768	1,487	1,028	4,862,016	93,560		
Sea-bass, Black	228	350	5,330	22,656	7,189	611	1,205	2,200	1,961	8,133	6,362	4,928	61,153
Sea-bass, Short-fin	42	216		258	582	92	230	401	1,460	59	255	232	3,827
Sea-bass, White	2,441	2,103	1,506	404	2,766	6,257	19,535	2,761	4,092	902	4,262	1,723	2,259
Shark	3,921	4,282	6,253	3,325	6,421	1,922	11,519	4,072	6,472	1,636	745	669	48,852
Sheepshead	446	133	195	98	167	10			936	383	262	129	51,237
Skate	152		275	68	70								2,759
Smelt	494				180	532			753	2,260	600		665
Sole				8	40	15							4,819
Swordfish, Broadbill						14,863	26,837	9,455	1,958	755			63
Tuna, Albacore							124,866	32,843	11,178	47,120	71,573		53,868
Tuna, Bluefin				309	53,181	542,977	909,119	186,726	278,226				257,580
Tuna, Bonito	240,398	298,821	27,989	160	63,970	362,963	413,264	72,158	187,456	3,690	15,360	988	1,970,538
Tuna, Skipjack													1,687,217
Tuna, Yellowfin													2,762
Whitefish, Ocean	135	30	90				125	62	5,619	1,277		57	7,140
Yellowtail	15	578	491	24,401	30,226	56,627	33,961	18,589	20,251	273	5,178	35	900
Miscellaneous Fish												55	190,625
Crustacean:													55
Lobster, Spiny	7,704	504	252							26,326	10,891	9,499	55,176
Mollusk:													
Squid	293										384	4,064	4,741
Total pounds	534,934	568,990	230,877	217,187	340,980	1,927,145	2,102,513	1,212,361	892,761	325,491	5,733,014	1,044,829	15,131,082

Fishing Boat Landings from Waters North of State Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Tuna, Albacore.....	290,378	167,343	457,721
Total pounds.....	290,378	167,343	457,721

|
|

COMMERCIAL FISH LANDINGS IN SAN DIEGO REGION DURING 1930—Continued
Fishing Boat Landings from Waters South of International Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Barracuda	33,079	37,506	88,282	15,181	13,400	3,200	728	11,366	122,519	105,173	43,069	19,703	494,525
Cod, Pacific	23,141	14,144	1,222	11,059	1,349	3,055	857	6,793	13,345	16,816	1,206	61,046	61,046
Grouper	1,593	1,149	5,098	55	6,031	7,323	19,837	37,082	75,999	33,903	7,278	3,294	247,799
Halibut, California	29,382	222	—	—	—	—	—	—	—	—	—	—	14
Kingfish	—	—	—	—	—	—	90	—	—	—	512	21	376
Mackerel, Pacific	2,148	—	—	—	—	—	—	—	—	—	—	—	3,556
Mackerel, Spanish	2,748	2,132	2,370	2,633	2,241	4,447	1,835	594	1,585	875	433	1,001	23,153
Rockfish	4,353	11,301	15,405	41,105	3,694	4,936	7,658	4,745	9,591	23,605	22,612	11,710	160,185
Sardine	—	—	—	—	—	—	—	—	—	—	—	—	16
Solefish	—	—	—	—	—	—	—	—	—	—	—	—	109
Squid	—	—	—	—	—	—	—	—	—	—	—	—	—
Seabass, Black	6,812	22,208	9,067	10,317	8,835	12,261	12,261	11,133	14,435	14,274	25,217	13,779	309,044
Sea Bass	1,258	—	12,214	1,258	1,032	11,469	26,589	164,908	30,066	14,874	10,150	10,746	10,657
Shark	733	—	223	205	761	5,610	—	—	—	—	59	—	10,112
Sheepshead	2,294	1,034	98	298	—	—	—	—	—	1,412	1,361	1,213	335
Sole	—	—	—	—	—	—	—	—	—	—	—	—	—
Smelt	525	12	—	—	—	—	—	—	—	45	322	—	379
Spanish Mackerel	—	—	—	—	—	—	348	12,000	203,457	131,327	100,290	1,000	345,469
Tuna, Albacore	—	—	—	—	—	—	—	—	—	—	—	—	29,919
Tuna, Bluefin	—	—	—	—	—	—	—	—	—	—	—	—	65,498
Tuna, Skipjack	39,095	25,075	17,462	1,634	1,346	662	12,588	75,237	275,881	18,127	7,928	2,332	569,498
Tuna, Striped	34,248	38,495	544,688	2,041,625	3,111,288	1,772,327	3,235,561	1,630,031	2,105,058	386,471	10,402	5,875	14,807,550
Tuna, Yellowfin	23,600	21,730	4,900	2,394,625	6,046,800	8,324,600	5,689,000	5,541,000	4,830,000	3,020,000	2,000,000	500,000	50,000,000
Whiting, Ocean	13,600	0,281	2,678	1,008	692	143	993	1,993	2,246	6,201	2,872	3,858	41,376
Yellowtail	101,180	36,685	218,223	89,796	142,975	174,949	801,869	1,647,311	985,434	37,767	13,041	66,805	4,277,188
Miscellaneous Fish	—	—	—	—	—	—	—	—	—	274	—	—	334
 Crustaceans													
Lobster, Spiny	176,505	231,015	162,372	—	—	—	—	—	—	4,021	109,526	206,155	\$89,595
Mollusk:													
Squid	—	—	—	—	—	—	155	—	—	—	—	155	—
Total pounds	3,391,364	2,632,343	6,083,889	5,624,595	10,246,679	10,399,982	13,993,354	9,232,721	9,316,414	5,237,066	3,795,634	2,493,213	81,950,284

(S)

Shipments from North of State Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Tuna, Albacore.....	139,347	17,066	11,410	167,823
Total pounds.....	139,347	17,066	11,410	167,823

Shipments from South of International Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds	
Caballa.....	4,640	4,420	8,460	
Swordfish, Tuna, etc.....	7,318	16,899	7,352	16,796	2,181	12,788	7,497	79,771	
Total pounds.....	7,318	16,899	7,352	16,796	6,007	12,788	7,497	79,771	
Grand total.....	3,926,798	3,205,649	5,931,572	5,849,139	10,606,465	12,330,734	16,611,897	10,554,429	10,225,241	5,877,163	9,695,591	3,835,539	97,756,147

ORIGIN OF COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1939

Species	California	North of State Boundary	South of International Boundary	Japan	Total pounds
Anchovy	2,147,901				2,147,901
Barnauda	2,969,250		1,122,804		4,092,054
Cabezone	4,023				4,023
Cabrilha			141,548		141,548
Carp	14,213				14,213
Catfish	217,036				217,036
Corbina, Mexican			43,602		43,602
Cultus, Pacific	573,059	1,450	602		575,111
Flounder, Starry	739,311				739,311
Flying Fish	20,321				20,321
Grouper			41,430		41,430
Hake	13,161				13,161
Hallibut, California	746,509		269,537		1,016,046
Halibut, Northern	376,655	1,160			377,825
Hardhead	12,921				12,921
Herring, Pacific	302,242				302,242
Kingfish	542,826		75		542,901
Mackerel, Horse	3,760,155				3,760,155
Mackerel, Pacific	80,905,992		382		80,909,374
Mackerel, Spanish				16,041	16,041
Mullet	3,018				3,018
Perch	140,187				140,187
Pike	183				183
Pompano, California	3,404				3,404
Rather	750				750
Rock Bass	238,423		27,730		266,153
Rockfish	3,184,560	1,326	144,686		3,330,672
Sablefish	267,044				267,044
Salmon	2,730,180	28			2,730,208
Sand Dab	817,219	3,985			821,204
Sardine	1,160,733,581				1,160,793,581
Sculpin	128,500		128		128,628
Sea-bass, Black	32,964		427,979		460,943
Sea-bass, Short-fin	2,600				2,600
Sea-bass, Totowa			2,304,450		2,304,450
Sea-bass, White	806,604		187,792		994,396
Sea-trout, California	24				24
Shad	1,316,768				1,316,768
Shark	9,294,428		3,885		9,227,750
Sheenhead	58,399		12,962		71,361
Skate	336,724	130			336,854
Smelt	474,087		599		474,686
Sole	9,664,824	79,998			9,744,792
Split-tail	15,461				15,461
Sucker	53				53
Swordfish, Broadbill	328,630		265,730		594,360
Tomcod	4,675				4,675
Tuna, Albacore	8,264,109	4,078,562	4,187	4,076,376	16,423,234
Tuna, Bluefin	9,318,934	44	2,516,737		11,835,715
Tuna, Bonito	6,697,249		3,221,626		9,918,875
Tuna, Skipjack	2,718,641		27,402,250	1,066,059	31,170,900
Tuna, Yellowfin	457		109,990,396		110,417,801
Turbot	104,535				104,535
Whitefish	166,125				166,135
Whitefish, Ocean	24,281		19,407		43,688
Yellowtail	282,524		2,603,764		2,866,288
Miscellaneous Fish	269,902	1,175	778		271,855
Crustacean:					
Crab	5,941,961	2,544			5,944,505
Crab, Rock	3,984				3,984
Lobster, Spiny	376,928		912,968		1,289,896
Shrimp	1,180,250				1,180,250
Mollusk:					
Abalone	1,804,440				1,804,440
Clam, Cockle	20,907		2,163		23,070
Clam, Gaper	3,974				3,974
Clam, Pismo	192,694				192,694
Clam, Razor	175				175
Clam, Soft-shell	75,721				75,721
Clam, Washington	21,135				21,135
Mussel	1,800				1,800
Octopus	29,516				29,516
Oyster, Eastern	130,684				130,684
Oyster, Japanese	1,598,460				1,598,460
Oyster, Native	13,751				13,751
Scallop		300			300
Squid	1,162,036				1,162,036
Total pounds	1,325,264,403	4,170,672	151,655,948	5,142,435	1,486,233,458

REGION OF LANDING OF COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1939

Species	Del Norte and Eureka Region	Sacramento Region	San Francisco Region	Monterey Region	Santa Barbara Region	Los Angeles Region	San Diego Region	Total pounds
Anchovy		214,967	11,970	1,921,024		2,147,561		
Barnard			268	3,888	198,957	2,418,211	1,493,544	4,099,614
Cabezon					229			4,023
Cabilla						118,790	22,758	141,548
Carp		14,233						14,233
Catfish		217,014						217,014
Cobia, Mexican						22		
Cod, Pacific	311,792		102,811	62,297	931	43,000		46,660
Founder, Starry	242,197	370	478,692	16,295	2,364	1,720	545	323,311
Dynamene						20,120	53	20,120
Grouper						20,940	29,690	41,430
Hake			9,441	150				13,661
Haddock, California	3,570		22,411	28,484	306,113	302,240	207,561	1,040,000
Halibut, Northern	377,771	21			33			377,723
Herring, Pacific	14,473	27,830	1,172	1,456	347,210	725	342,901	1,012,142
Kingfish		8,386	149,032	539		3,250	1,340	31,914
Lamprey, Horn			1,454	1,454				
Mackerel, Pacific	18		95	829,433	30,963	73,654,557	6,396,188	89,900,374
Mackerel, Spanish						12,270	3,471	19,041
Mullet						2,200	2,000	4,200
Perc	4,873	57,893	23,933	20,366	30,773	245	140,187	
Pike		150					153	
Pompano, California			201			3,383		3,484
Rock Bass		750						750
Rockfish						105,785		105,785
Sablefish	754,543	388,565	1,228,620	201,059	355,768	117,554	264,153	3,330,672
Salmon	1,671,151	496,053	418,125	33,498	23	322,058	302,256	767,044
Sand Dab	219,395	512,039	94,025	7	5,178			521,204
Sardine		55,972,652	306,847	439,247	3,625	238,840	331,635	1,160,151
Sculpin					465	88,865	39,418	128,628
Sea-bass, Black					245	212,574	23,600	499,943
Sea-bass, Shad							2,600	2,600
Sea-bass, Tatuya								2,304,450
Sebastodes								99,696
Sead trout, California		11	105,790	22,854			74	
Shad		1,216,205	470	3				1,216,768
Shark	26,472	1,000,000	3,091,114	1,833,474	5,496,157	200,583	34,311	8,177,520
Sheepshead						24,549	29,835	71,381
Shorel	56,633		204,308	30,735	31,564	11,307		336,834
Smelt	217,755		172,513	39,291	24,977	148,579	7,789	474,699

CONT.

REGION OF LANDING OF COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1939—Continued

Species	Dal Norte and Eureka Region	Sacramento Region	San Francisco Region	Mercervey Region	Santa Barbara Region	Los Angeles Region	San Diego Region	Total pounds
Sole	4,128,333	15,611	4,207,821	1,174,532	216,694	5,533	1,559	9,744,702
Splitail		33						55
Sucker					75,089	260,726	258,554	594,360
Swordfish, Bonito			820					675
Tomcod	3,805		46,021	4,828,832	1,561,735	9,321,449	545,812	16,428,224
Tuna, Bluefin	2,992		4,715		9,727	10,369,653	1,451,020	11,833,715
Tuna, Bonito				28	37,671	8,760,131	1,211,173	10,248,715
Tuna, Yellowfin					10	18,631,035	16,631,035	31,182,050
Turbot	439				75	36,160,712	74,267,014	110,417,801
Whiting	136,295			50,485	4,208			165,135
Whiting, Ocean			22,444					43,693
Yellowtail				4,208		10,444	19,528	24,260,793
Miscellaneous Fish	111,625				13,510	1,040,280	1,824,270	271,855
Crustacean:								
Crab, <i>l. v.</i>	2,064,035		3,561,416	378,136				5,044,405
Crab, <i>l. v.</i>						3,694		3,694
Lobster, Spiny					122,238	184,526	935,132	1,280,896
Shrimp			1,178,079	4,271				1,180,200
Mollusks:								
Ablone					786,450	1,011,937	3,903	1,804,440
Clam, Cockle	2		295		30	22,761		22,070
Clam, Gaper			3,938	16,263				19,194
Clam					176,944			192,064
Clam, Rane								175
Clam, Soft-shell	175							175
Clam								175
Clam, Soft-shell								175
Clam, Soft-shell	17,561		75,102					21,135
Clam				3,574				3,500
Mussel	1,800							20,000
Oyster	2,231		4,000	25,255	167	349		30,684
Oyster, Eastern	6,522		124,162		19,342			144,000
Oyster, Japanese			1,378,118					15,731
Oyster, Japanese			18,848					300
Scallop	1,900							
Squid	300				1,097,818		62,789	1,162,595
Total pounds	10,750,995	99,185,713	415,776,915	442,512,761	6,872,449	403,543,276	107,589,348	1,480,223,458

MONTHLY COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1939

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Anadory	17,267	6,383	69,014	65,297	34,532	15,055	11,260	12,935	167,282	320,700	365,754	409,481	2,147,961
Barracuda	141,738	230,018	457,782	560,004	415,567	567,294	309,690	320,456	278,473	332,646	273,568	205,703	4,092,054
Cabonate	73	141	961	1,632	180	188	15	338	147	27	334	37	4,023
Cod, California	13,881	8,744	6,084	11,141	11,256	10,481	10,481	10,481	10,481	10,481	10,481	10,481	14,213
Carp, Florida	1,303	8,134	5,702	2,258	926	1,195	329	1,144	389	301	293	10,999	21,000
Catfish	15,795	4,789	26,307	55,242	5,421	5,048	5,700	4,885	35,507	29,694	27,141	13,000	2,728
Catfish, Mountain	1,201	141	141	141	141	141	141	141	141	141	141	141	43,062
Catfish, Pacific	17,733	22,662	104,914	55,910	51,485	32,757	52,290	55,035	54,496	50,772	54,549	19,202	575,111
Flounder, Starry	8,771	30,548	7,474	62,222	31,900	4,000	1,000	1,000	1,000	1,000	1,000	1,000	20,231
Flying Fish	—	—	—	—	2,650	4,212	3,965	5,112	3,579	—	—	—	—
Grouper	5,352	4,400	562	2,091	4,983	2,750	5,734	1,356	1,025	7,600	5,380	13,420	1,016,046
Hake	1,520	1,520	1,520	1,520	1,520	1,520	1,520	1,520	1,520	1,520	1,520	1,520	12,921
Halibut, California	83,965	115,435	149,675	77,042	92,323	121,203	64,914	70,453	62,011	69,764	64,445	—	—
Hallibut, Northern	10	23	22	117,467	59,956	101,168	6,892	6,892	6,892	6,892	6,892	6,892	6,892
Haddock	2,279	—	—	—	—	—	—	—	—	—	—	—	2,279
Herring, Pacific	166,535	60,012	25,509	485	—	—	—	—	—	4,372	20,439	302,242	—
Kingfish	49,141	49,141	49,141	49,141	49,141	49,141	49,141	49,141	49,141	49,141	49,141	49,141	387,561
Mackerel, Horse	2,568,616	9,877	130,790	9,241	3,730	20,274	55,589	25,149	446,193	4,454	424,341	38,769	3,760,153
Mackerel, Pacific	9,276,253	25,616	94,746	62,939	69,902	1,857,158	4,073,099	6,932,324	7,988,580	10,792,200	15,157,214	80,990,214	—
Mahi-mahi, Spanish	1,571	1,571	1,571	1,571	1,571	1,571	1,571	1,571	1,571	1,571	1,571	1,571	10,041
Mullet	1,020	678	563	—	—	—	—	—	153	78	2,025	5,457	3,018
Pred.	13,881	9,431	38,545	32,676	485	879	11,633	14,969	7,686	3,451	3,101	2,251	140,187
Pike	17	17	54	13	13	23	23	23	23	30	183	183	183
Pompano, California	2	2	298	62	65	100	13	97	405	1,083	658	3,018	3,750
Rock Bass	8,672	12,184	14,309	14,309	9,115	41,345	60,754	42,093	11,460	17,565	19,039	15,866	269,133
Rockfish	27,496	225,272	56,012	49,000	384,478	272,104	24,693	24,693	24,693	24,693	24,693	24,693	3,022,272
Saltwater Taffy	19,127	15,927	45,401	45,401	45,401	45,401	45,401	45,401	45,401	45,401	45,401	45,401	767,044
Salmon	18,667	21,405	46,430	105,457	551,166	508,539	1,007,302	298,519	137,654	2,631	32,257	2,730,204	—
Sardine	28,450	55,450	55,450	55,450	55,450	55,450	55,450	55,450	55,450	55,450	55,450	55,450	328,250
Sardine	202,398,714	62,912,030	33,978,517	513,822	331,198	312,786	399,884	417,344	47,434,383	223,420,580	290,107,447	308,754,970	1,160,793,581
Sedgpin	7,624	13,594	17,492	11,040	13,335	12,575	11,157	11,113	5,817	—	—	—	2,000
Seabass, Black	21,412	21,412	21,412	21,412	21,412	21,412	21,412	21,412	21,412	21,412	21,412	21,412	21,412
Seabass, Short-fin	—	—	—	—	—	—	—	—	—	—	—	—	—
Seabass, Totowa	174,170	436,333	50,811	34,011	21,241	1,400	30,216	64,149	298,946	206,856	130,316	55,335	2,345,450
Sea-bream	3,234	3,418	29,359	63,498	37,344	35,302	30,216	64,149	298,946	206,856	130,316	54,573	994,395
Sea-trot, California	—	—	—	—	11	—	—	—	13	—	—	—	1,116,758
Shad	877,379	320,471	33,831	49,539	64,419	1,430,896	1,141,330	899,125	625,257	705,683	1,035,406	1,361,033	9,227,750
Shark	4,940	7,443	8,469	5,108	5,326	1,912	499	2,121	2,410	2,067	13,978	14,837	71,391
Sheepshead	—	—	—	—	—	—	—	—	—	—	—	—	—
Shark	43,127	41,809	31,783	17,091	20,213	21,781	24,992	25,287	32,292	25,159	25,159	25,159	338,584

MONTHLY COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1939—Continued

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Smelt.....	61,789	59,671	59,542	55,016	22,923	30,733	32,890	45,711	34,482	28,030	28,066	23,953	474,889
Sole.....	699,772	1,482,605	971,466	767,248	861,171	763,447	684,516	714,152	699,772	772,500	805,113	801,303	9,729,792
Squid.....	1,474	151	146	140	141	140	145	140	140	140	140	140	15,441
Sucker.....	22	31	—	—	—	—	—	—	—	—	—	—	53
Swordfish, Broadbill.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Tuna, Bonito.....	359	—	—	—	—	—	—	—	—	—	—	—	359
Tuna, Albacore.....	20,806	108,333	389,402	924,098	436,152	1,302,208	1,299,767	2,236,430	7,262,151	2,440,351	44,823	—	16,422,234
Tuna, Skipjack.....	58,404	3,875	44,900	364,587	865,554	1,141,286	295,330	3,207,488	1,985,585	1,827,034	210,077	131,307	9,818,872
Tuna, Skipjack.....	359,235	925,119	2,659,951	3,073,029	1,995,177	3,661,257	3,094,932	5,167,242	3,072,745	3,669,413	5,235,745	3,120,300	12,175,152
Turbot.....	1,909	8,140	10,921,455	12,101,700	10,311,421	12,000,421	12,000,421	12,000,421	12,000,421	12,000,421	12,000,421	12,000,421	72,530,905
Whiting.....	1,300	3,908	11,542	7,052	3,397	10,501	8,110	13,191	21,651	9,958	5,750	2,905	104,252
Whitefish, Ocean.....	10,731	4,000	2,640	21,407	20,941	20,000	13,000	10,000	10,000	10,000	10,000	10,000	104,744
Yellowtail.....	20,169	11,838	37,422	155,153	42,899	628,601	427,128	332,030	308,963	196,999	281,532	201,130	2,866,284
Miscellaneous Fish.....	15,627	16,099	16,191	23,646	36,143	25,399	20,053	15,591	17,842	16,004	21,269	37,281	271,853
Cephalopods.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Crab.....	481,538	441,048	715,902	263,249	784,142	695,413	702,058	490,518	11,700	—	355,108	472,518	5,944,503
Crab, Rock.....	39	713	1,812	200	95	200	469	20	—	—	38	395	3,984
Lobster, Spiny.....	342,484	292,184	195,717	195,717	195,717	195,717	195,717	195,717	195,717	195,717	195,717	195,717	1,290,495
Shrimp.....	84,638	54,681	74,763	67,633	95,500	224,013	190,130	114,703	104,669	77,437	54,453	30,902	1,180,250
Mollusks.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Absalone.....	3,900	—	244,069	224,451	235,025	136,363	250,857	252,513	311,604	62,435	23,325	29,025	1,804,440
Clam, Green.....	1,810	1,888	3,279	2,090	2,275	2,275	1,642	1,642	1,642	1,642	1,642	1,642	10,020
Clam, Gaper.....	269	408	423	407	235	454	414	380	249	230	212	198	3,074
Clam, Pismo.....	13,422	16,683	16,945	12,948	14,674	17,549	20,330	16,809	17,686	16,481	15,178	13,900	192,694
Clam, Purple.....	—	—	—	—	—	—	—	—	—	—	—	—	17
Clam, Soft-shell.....	7,149	6,535	6,597	6,053	7,237	7,001	6,894	6,622	5,392	3,886	3,622	4,017	55,721
Clam, Washington.....	2,604	2,797	3,055	1,814	1,890	454	377	154	2,035	1,514	2,050	2,094	1,809
Ostropes.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Oysters.....	1,338	1,960	6,143	5,943	4,295	3,698	2,913	1,965	707	152	409	20,516	—
Oyster, Japanese.....	12,141	12,141	12,141	12,141	12,141	12,141	12,141	12,141	12,141	12,141	12,141	12,141	136,664
Oyster, Japanese.....	127,691	196,829	179,303	174,702	110,140	80,143	65,825	73,723	109,497	172,634	162,581	116,067	1,568,460
Oyster, Native.....	1,965	1,731	1,113	71	—	—	—	1,041	2,727	1,880	428	10	13,711
Squid.....	21,344	335	70,155	380,095	45,670	303,155	155,018	30,563	42,945	33,682	40,263	2,039	309
Total pounds.....	219,527,452	70,579,316	30,292,782	22,178,051	24,325,781	25,308,943	30,690,446	40,111,969	81,765,598	253,564,919	316,027,664	342,518,587	1,456,233,438

96

COMMERCIAL FISH LANDINGS IN DEL NORTE AND EUREKA REGION DURING 1939
Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds	
Cultus, Pacific.....	1,492	6,886	87,515	21,133	23,962	16,626	35,881	43,184	22,352	37,369	35,657	8,376	310,347	
Flounder, Starry.....	728	1,249	51,453	12,516	20,307	11,220	43,000	24,720	19,200	12,200	21,200	2,330	243,117	
Hake, Northern.....	209	250	395	115	100	450	2,330	3,870	
Halibut, California.....	305	50	1,376	1,726	1,726	
Halibut, Northern.....	305	50	1,376	1,726	1,726	
Herring, Pacific.....	10,075	4,460	77,000	11,700	58,800	101,100	6,200	6,800	6,800	6,800	6,800	6,800	276,611	
Mackerel, Pacific.....	14,475	14,475	
Pacific Cod.....	12	12	1,329	1,209	12	
Rockfish.....	12,547	9,573	28,157	109,585	113,355	24,347	72,921	55,259	45,453	75,820	105,279	28,065	283,217	
Sablefish.....	230	1,005	10,022	23,100	23,477	20,127	345,820	612,031	279,014	137,754	137,754	137,754	503,035	
Salmon.....	12,353	33,400	20,400	30,999	22,045	28,455	4,300	12,512	29,855	14,456	1,673,125	
Sand Dab.....	11	11	
Sea Bass, California.....	1,033	1,425	2,953	1,272	1,030	515	4,800	338	9,223	3,056	11,471	1,568	34,472	
Shark.....	1,033	1,425	2,953	1,272	1,030	515	4,800	338	9,223	3,056	34,472	
Seatear.....	390	149	9,109	1,109	1,040	1,040	1,040	1,040	1,040	1,040	1,040	1,040	55,600	
Smelt.....	47	47	47	91	264	2,321	2,430	2,809	6,040	5,567	170	497	21,735
Sole.....	38,923	23,748	496,039	604,331	640,660	491,742	342,171	313,413	105,400	272,635	506,241	109,241	4,000	1,000
Tuna.....	2,335	2,335	
Tuna, Albacore.....	2,922	2,922	
Turbot.....	27,395	30,140	26,432	15,727	11,007	14,544	9,653	795	105	105	130,293	
Whiting.....	27,395	30,140	26,432	15,727	11,007	14,544	9,653	795	105	105	130,293	
Miscellaneous Fish.....	610	455	8,105	17,755	16,145	18,290	13,915	9,225	3,038	6,451	9,966	6,455	110,450	
Crustacean:														
Crab.....	41,700	112,802	265,370	309,246	393,968	305,645	271,070	180,766	11,700	43,539	2,002,409	
Mollusk:														
Clam, Cockle.....	25	80	50	40	20	2	2	
Clam, Razor.....	36	32	79	45	42	73	22	12	10	12	44	12	175	
Clam, Soft-shell.....	36	32	2,040	2,720	1,280	1,280	1,280	1,280	1,280	1,280	1,280	1,280	1,280	
Clam, Whelk.....	2,040	2,720	1,280	1,280	1,280	1,280	1,280	1,280	1,280	1,280	1,280	1,280	1,280	
Mussel.....	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Octopus.....	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Oyster.....	698	1,882	1,905	1,614	1,115	41	185	1	25	35	2,532	
Oyster, Native.....	10	1,305	1,305	1,305	
Total pounds.....	110,330	201,073	1,011,569	1,337,936	1,050,869	1,387,149	1,005,335	1,149,035	589,335	492,055	781,920	258,594	10,658,930	

—
—
—

COMMERCIAL FISH LANDINGS IN DEL NORTE AND EUREKA REGION DURING 1939 - Continued
Fishing Boat Landings from Waters North of State Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Ocean, Pacific:													
Halibut, Northern				175									1,450
Rockfish						39							1,160
Salmon						1,325							1,326
Sand Dab					175								25
Seate							3,810						3,983
Sole							130						130
Miscellaneous Fish				6,500		2,000							79,990
						3,175							1,173
Crustacean:													
Crab					216		2,328						2,544
Mollusk:								300					300
Scallop													
Total pounds				6,572		85,194							92,096
Grand total	110,530	201,073	1,911,569	1,794,558	1,656,869	1,472,343	1,003,233	1,149,023	389,235	402,055	781,920	285,994	10,730,995

55
56

COMMERCIAL FISH LANDINGS IN SACRAMENTO REGION DURING 1939

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Carp													
Catfish	1,303	130	3,792	2,556	926	1,105	529	389	301	293	969		14,213
Flounder, Starry	15,785	4,780	26,302	35,242	5,421	5,045	5,700	4,855	35,815	29,654	27,354	18,003	217,014
Hardhead			25	25									25
Pike	2,308	21	25										850
Salmon			18,547	12	35,588	51,247	275,446			3,075	9,900		25
Sardine		25,494,700	9,642										23,533,106
Salt Fish			1,435	108,851	350,247	821,376							22,028,110
Shark			1,425	31	466	112	49			67,109	127,452	272,093	24,300,165
Sucker			25	31							20	3,035	4,788
Total pounds	25,444,059	10,372	178,193	475,034	1,107,224	68,873	73,338	135,397	318,240	24,185,094	22,457,672	24,730,658	99,185,713

COMMERCIAL FISH LANDINGS IN SAN FRANCISCO REGION DURING 1929
Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Anchoa	2,675	98	92,985	61,200	25,400	11,340	1,000	637	1,260	15,500	214,507
Caberry	98	80	30	10,344	10,751	5,521	1,754	208
Cod, Pacific	10,058	12,680	30,100	55,300	11,273	10,600	10,344	32,015	10,211	10,751	5,521	1,754	182,411
Flounder, Starry	6,502	45,689	22,945	9,334	9,015	10,052	10,915	2,250	32,005	128,540	136,872	17,070	475,692
Hake, Starry	1,059	1,610	2,350	345	2,420	972	345	6,441
Haddock, California	14	2,642	1,449	2,672	1,331	459	740	1,112	1,112	5,601	4,641	3,276	35,501
Haddock, Northern	21	21
Herring, Pacific	190,222	73,000	20,000	18,500	18	1,770	385	10	4,050	14,770	21,999
Kingfish	563	506	18	1,770	385	10	1,060	14,770	5,386
Mackerel, Pacific	4,836	4,660	18,041	10,569	8,633	4,385	5,633	4,050	1,060	93	87,603
Porkfish	8,633	4,385	5,633	4,050	1,060	93	87,603
Rainbow	47,875	75,991	70,111	39,127	23,111	18,450	11,150	14,455	40,912	13,111	10,460	10,750	310,295
Rockfish	1,000	535	1,419	1,000	1,000	1,000	1,112	1,255	1,048	1,120	1,353	14,727
Sardine	11,700	3,297	13,610	56,139	333,390	16,430	16,430	16,430	16,430	16,430	16,430	434,626
Sand Dab	31,525	1,543	5,821	12,410	11,410	13,190	13,190	13,190	13,190	13,190	13,190	13,190	13,190
Sardine, Sardine	58,732,064	9,730	1,860	32,700	31,000	189,500	293,000	442,600	80,287,302	120,077,518	120,194,120	396,770,664	1
Sawfish, White	8,682	528	491	16,417
Sole, American	7,722	7,722
Shark	432,040	237,147	17,125	4,150	7,179	15,092	147,759	375,341	263,963	110,400	475,362	703,053	3,601,354
Skate	34,100	32,121	2,073	5,465	1,200	1,200	13,375	20,907	21,361	18,375	18,375	18,375	201,996
Smelt	20,283	3,548	36,680	10,000	3,824	13,458	13,458	13,791	8,907	1,153	1,153	1,153	172,313
Sole	614,798	221,171	408,554	56,056	81,172	128,793	233,396	392,508	487,665	443,085	242,781	377,644	4,207,821
Tuna, Bluefin	140	1,156	1,156	1,156	1,156	1,156	1,156	1,156
Tuna, Albacore	2,156	454,732	5,388	462,274	1
Turbot	300	3,145	11,465	5,591	5,003	10,339	8,810	13,191	21,451	9,783	5,333	2,350	47,413
Whitebait	616	937	2,408	2,591	4,462	5,537	1,035	945	794	442	52	1,944	22,444
Miscellaneous Fish	12,793	13,302	9,063	1,500	771	1,042	2,908	5,073	5,313	7,648	5,311	7,438	72,954
Crustaceans:													
Crab	300,410	277,050	362,938	344,546	372,212	377,318	427,060	302,702	372,888	420,446	3,561,416		
Shrimp	83,534	54,083	95,300	73,974	67,646	196,135	114,795	104,099	77,437	53,810	28,040	1,175,679	
Mollusk:													
Clam, Cockle	30	20	35	37	50	19	19	4	11	15	30	287	
Clam, Green	250	404	425	407	400	441	441	380	280	212	195	3,333	
Clam, Soft-shell	7,113	6,604	6,518	6,037	7,185	7,016	6,571	6,610	5,532	5,509	5,578	4,617	75,187
Clam, Washington	250	237	338	421	308	434	217	184	104	190	219	214	3,274
Oyster, Bay	10	10	1,027	703	1,027	1,027	1,027	1,027	1,027	1,027	1,027	1,027	3,007
Oyster, Eastern	12,649	11,173	11,863	10,701	6,053	5,584	5,015	4,606	9,811	12,844	12,167	20,494	124,162
Oyster, Japanese	12,000	10,000	17,000	17,143	11,188	7,571	6,031	7,571	10,000	10,000	12,000	12,000	150,000
Oyster, Native	1,963	1,731	1,112	71	1,641	2,727	1,880	428	428	110	181	11,645	
Total pounds	60,038,498	1,889,046	1,450,170	924,018	856,047	1,044,327	1,784,333	1,758,037	2,232,053	90,716,325	122,476,942	128,022,201	413,778,915

COMMERCIAL FISH LANDINGS IN MONTEREY REGION DURING 1939

Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Anchovy.....	33	459	3,040	3,080	1,390	300	2,455	1,250	125	27	334	17	11,970
Caballa.....	73	43	655	1,277	8,111	10,001	4,182	6,135	3,075	1,075	2,625	3,000	3,389
Cod, Pacific.....	6,138	2,116	10,977	8,111	10,001	4,182	6,135	3,075	1,075	2,625	3,000	4,051	62,297
Flounder.....	1,181	5,111	2,065	2,065	3,000	1,017	1,040	125	105	566	746	142	16,203
Hake.....	150	150	150	150	150	150	150	150	150	150	150	150	150
Hallibut, California.....	2,000	1,200	924	619	999	2,816	10,735	5,504	955	756	1,495	1,056	28,857
Herring, Pacific.....	185	900	185	185	185	185	185	185	185	185	185	185	1,175
Kingfish.....	17,169	6,784	9,245	10,622	23,963	20,074	24,307	5,769	5,349	32,441	17,182	12,765	189,632
Mackerel, Herring.....	50	50	50	50	50	50	50	50	50	50	50	50	245
Mackerel, Pacific.....	22,485	12,754	34,436	23,988	21,466	10,739	33,517	58,375	350,232	101,682	88,278	73,171	828,433
Perch.....	1,780	67	5,252	10,498	15	15	15	901	10	10	10	10	25,532
Pompano, California.....	5	5	5	5	5	5	5	5	5	5	5	5	30
Rockfish.....	138,256	45,899	189,092	158,051	189,458	156,299	81,212	69,629	21,102	49,796	109,655	120,101	1,328,520
Sablefish.....	223	223	223	223	223	223	223	223	223	223	223	223	1,112
Sailfish.....	7,554	18,827	4,982	32,248	41,886	18,827	4,982	32,248	41,886	18,827	4,982	4,982	125,498
Sand Dab.....	1,405	1,417	1,941	7,909	16,245	4,879	12,166	7,832	2,111	6,223	1,411	1,411	84,025
Sardine.....	69,491,729	84,476	190,621	180,621	180,621	96,125	174,741	44,865	100,250	97,411	104,800	544	429,800,157
Sea Bass, Black.....	17	17	17	17	17	17	17	17	17	17	17	17	245
Sea Bass, White.....	17	105	94	417	417	417	417	417	417	417	417	417	245
Seal, California.....	3	3	3	3	3	3	3	3	3	3	3	3	3
Shad.....	427,475	68,353	5,200	5,200	21,452	40,233	30,611	30,611	30,611	30,611	30,611	30,611	208,582
Shark.....	4,155	2,349	1,438	3,404	3,889	3,766	3,021	792	586	2,477	1,799	1,659	18,243
Skate.....	22,188	285	1,875	1,771	1,771	6,073	12,500	15,400	9,469	10,830	8,716	9,211	59,231
Salmon.....	20,211	20,211	719,211	41,625	41,625	41,625	20,000	502	2,327	4,718	4,718	4,718	1,112,522
Tuna, Albacore.....	1,050	760	238	311	474	552	500	917,702	2,851,607	775,753	700	17	4,825,622
Tuna, Bonito.....	1,050	760	237	1,831	901	1,299	51	2	175	325	325	325	4,702
Whitebait.....	753	178	1,158	2,012	894	413	17	60	60	375	240	155	6,396
Menhaden.....	1,601	3,675	3,699	344	344	344	344	344	344	344	344	344	4,398
Crab.....	130,748	50,590	87,574	49,532	10,962	10,122	2,460	50	50	12,220	8,636	12,220	378,136
Shrimp.....	474	379	789	87	87	87	87	87	87	675	1,602	4,271	8,636
Mullet.....	1,115	1,115	129,650	130,025	134,850	33,300	81,575	115,350	88,650	56,350	735	12,575	789,450
Clam, Gaper.....	1,601	1,601	1,601	1,601	1,601	1,601	1,601	1,601	1,601	1,601	1,601	1,601	96
Octopus.....	1,226	1,738	3,925	4,234	3,637	2,050	2,613	1,993	522	2,700	2,456	1,366	16,320
Squid.....	5,740	233	65,700	380,095	46,570	302,850	185,013	30,500	42,945	7,058	22,013	2,600	23,235
Total pounds.....	70,323,432	1,020,179	756,708	1,101,490	898,164	950,142	1,218,421	1,705,120	50,314,353	110,034,672	97,917,154	103,332,695	443,812,761

COMMERCIAL FISH LANDINGS IN SANTA BARBARA REGION DURING 1939
Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Barnacles.....	14,557	7,609	160	135	110	16,851	11,457	16	18,174	68,559
Codfish, Pacific.....	20	38	369	228	152	9	7	56	11	52	531	829
Cuttle, Pacific.....	68	13	471	569	1,273	2,244	81
Founding Starry.....
Frigate Fish.....	68	13	471	569	1,273	2,244
Hakelet, California.....	21,200	24,165	28,772	17,650	26,346	13,315	26,210	30,570	35,860	35,999	36,956	39,119	320,321
Halibut.....	21	22	22	22	22	22	22	22	22	22	22	22	22
Herring, Pacific.....	1,456
Kingfish.....	539
Mackerel, Pacific.....	3,422	1,031	697	178	45	45	45	45	45	4,453	5,974	5,153	20,683
Perch, Pacific.....	208	2,733	4,834	2,100	3	49	49	7,025	96	7	290	20,396
Rock Bass.....	2,102	1,138	4,747	2,100	5,851	7,250	3,020	1,500	1,500	1,500	1,500	1,500	39,461
Rudderfish.....	25,953	23,605	33,889	26,670	5,545	6,500	8,305	6,324	7,340	2,058	21,277	26,760	201,039
Sabinefish.....	21
Sardine.....	220	2,460	240	88	438	10	10	10	10	10	10	3,625
Scallop.....	78	11	11	11	11	11	11	11	11	11	11	11	402
Sea Bass, Black.....	1,194	1,821	1,131	3,192	1,331	1,850	1,364	712	140	194	99	44	13,173
Sea Bass, White.....	2,494	1,696	13,178	4,782	952	373	400	528	60,022	66,392	38,099	22,932	221,874
Seaperch.....	14	14	14	14	14	14	14	14	14	14	14	14	148
Sharkfish.....	13,695	15,825	20,457	17,000	576,161	1,303,808	449,635	15,699	5,576	4,176	4,635	10,142	2,460,123
Skate.....	2,594	3,420	1,603	993	2,250	2,253	1,496	1,496	1,496	3,496	3,496	6,090	31,594
Skippjack.....	2,372	4,207	1,212	10,237	1,212	1,212	1,212	1,212	1,212	1,212	1,212	1,212	24,657
Sole.....	6,559	16,755	29,543	28,635	20,095	17,510	48,153	7,288	14,158	10,910	7,882	5,818	216,694
Swordfish, Broadbill.....	17,250	24,250	23,250	23,250	23,250	23,250	1,500
Tuna, Albacore.....	11,947	85,034	720,771	732,838	10,150	1,561,755
Tuna, Bluefin.....	7,005	2,030	64	10,711	8,571	444	9,572
Tuna, Skipjack.....	70	11	11	11	11	11	11	11	10	10	10	10
Tuna, Yellowfin.....	37	37	37	74
Wahoo.....	2,155	1,198	365	170	231	15	140	140	140	2,393	6,472	13,516	10,201
Miscellaneous Fish.....	1,418	1,045	383	1,053	3,575	3,575	316	237	502	327	520	520	1,500
Total pounds.....	116,657	136,441	284,441	228,656	798,345	1,344,820	779,789	355,749	1,157,009	952,822	229,345	206,625	6,760,709

—
—
—

COMMERCIAL FISH LANDINGS IN SANTA BARBARA REGION DURING 1939—Continued
Fishing Boat Landings from Waters South of International Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Barracuda.....	36,100	20,975	54,455	111,540
Se-bass, Black.....	200	200
Total pounds.....	36,100	20,975	54,655	111,740
Grand total.....	152,757	157,416	339,106	228,655	768,345	1,544,629	779,795	355,749	1,157,009	962,922	229,345	206,623	6,872,449

— 92 —

COMMERCIAL FISH LANDINGS IN LOS ANGELES REGION DURING 1939

Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds					
Anchovy	17,537	3,260	3,070	4,017	4,772	4,045	8,810	10,680	16,646	23,444	370,254	499,634	1,821,024					
Barracuda	21	62,897	310,579	360,952	236,219	415,325	121,300	124,863	57,486	100,390	4,316	8,386	1,941,583					
Catfish	—	—	—	—	—	—	—	—	—	—	22	23	22					
Cod, Pacific	27	84	136	24	—	—	—	—	—	41	43	1,130	2,137					
Dolphin	—	—	—	—	—	—	—	—	—	—	—	—	20,126					
Flying Fish	—	—	—	—	—	—	—	—	—	—	—	—	3,157					
Haddock, California	25,453	44,119	76,955	34,033	24,040	41,495	20,592	13,513	8,963	5,495	1,511	9,694	310,508					
Kingfish	2,403	40,403	33,343	102,031	49,199	34,453	20,045	9,245	8,441	24,943	26,265	1,179	3,179					
Mackerel, Horse	2,562,035	10,47	122,021	—	26,500	40,453	20,003	14,841	438,455	2,329	415,644	38,345	3,676,380					
Mackerel, Pacific	9,240,395	10,109	883,017	28,504	40,285	1,034,456	2,423,301	5,767,954	7,856,118	10,062,133	19,390,322	17,123,778	73,654,567					
Mullet	—	—	—	—	—	—	—	—	—	—	—	—	27					
Pomfret	7,029	1,758	5,835	3,240	915	862	286	2,141	849	569	935	1,007	30,773					
Pompano, California	2	240	62	34	8	11	8	8	8	1,000	1,000	1,000	3,003					
Red Fish	2,361	3,924	8,416	5,910	2,211	20,894	25,213	13,249	2,305	5,551	5,341	3,712	101,626					
Rockfish	37,784	33,742	73,750	41,963	15,969	30,222	14,547	4,711	7,706	9,322	17,628	19,129	310,475					
Sole, California	2,001	18,411	26,180	16,843	13,219	9,477	8,487	3,000	4,112	3,721	17,628	2,189	120,550					
Sand Dab	460	847	634	565	440	2,777	294	79	127	361	390	333	5,178					
Sardine	48,544,357	82,506,470	33,564,217	246,350	7,005	8,703	13,495	44,114	122,173	306,903	39,525,320	33,417,332	238,516,091					
Sardine, Sardine	—	—	—	—	—	—	—	—	—	—	—	—	106,000					
Sea Bass, Black	1,059	229	974	1,111	4,796	2,216	947	1,186	904	565	535	580	15,265					
Seal, Harbor, White	1,475	336	504	504	30,510	30,126	17,320	7,317	69,381	84,941	41,329	33,791	307,731					
Shark, Mako	3923	2,232	6,979	20,349	26,126	21,137	37,312	36,927	29,86	6,997	5,048	3,168	208,254					
Sheepshead	1,166	6,094	6,843	3,828	3,612	506	251	1,697	1,003	792	1,570	1,588	29,147					
Skate	1,381	1,007	490	241	84	123	123	91	200	123	123	123	1,017					
Smelt	17,118	30,904	13,760	12,173	14,538	3,554	3,413	8,240	10,432	14,023	14,020	12,954	148,970					
Sole, C. L.	456	925	1,150	640	347	544	215	103	194	283	178	29	5,533					
Sole, G. B. & B. G.	—	—	—	—	—	21,114	55,252	64,650	28,323	12,044	331	194	194,972					
Tuna, Albacore	—	—	—	—	—	504,125	1,041,221	901,554	1,091,003	502,772	924,855	124,355	16,197	33,345	—	1,602,454		
Tuna, Bluefin	—	—	—	—	—	31,222	938,977	1,293,514	1,355,742	31,222	64,685	6,778,781	7,924,243	—	—	—		
Tuna, Skipjack	65,904	1,755	35,445	106,501	331,715	981,688	—	—	—	—	—	—	174,231	—	—	—	—	
Tuna, Yellowtail	2,167	1,390	2,176	95	39	269	19	145	73	112	481	299	7,779	—	—	—	—	
Whiting, Ocean	—	—	—	—	—	88,956	2,613	6,025	494	815	3,652	58	16,116	163,274	—	—	—	
Yellowtail	2,581	817	1,340	2,150	16,921	3,183	1,890	1,025	8,905	1,029	6,016	22,824	60,684	—	—	—	—	
Crustaceans:																		
Oak Rock Lobster	39	713	1,812	200	95	200	469	20	—	—	33	395	3,984	—	—	—	—	
Lobster, Spiny	17,594	7,419	2,053	—	—	—	—	—	—	—	62,371	63,921	29,736	170,716	—	—	—	
Mollusks:																		
Avalon	100	187	386	323	413	737	412	254	33	—	—	—	—	3,053	—	—	—	
Chum Codder	1,749	1,665	3,245	2,060	2,060	2,355	1,401	745	209	1,024	1,457	1,611	20,480	—	—	—	—	
Ocean Codder	11	12	2	2	2	2	1	1	1	104	216	203	249	—	—	—	—	
Squid	11,691	—	—	—	—	335	—	—	—	26,997	24,356	—	62,785	—	—	—	—	
Total pounds	66,601,261	62,795,303	33,228,872	1,209,839	2,699,768	3,626,073	5,447,374	11,353,260	10,262,545	13,332,539	60,077,015	71,274,727	337,945,688	—	—	—	—	—

COMMERCIAL FISH LANDINGS IN LOS ANGELES REGION DURING 1939—Continued
Fishing Boat Landings from Waters North of State Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Tuna, Albacore.....									793,151	502,572			1,296,623
Total pounds.....									793,151	502,572			1,296,623

Fishing Boat Landings from Waters South of International Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Barracuda.....	57,353	68,954	26,092							97,244	166,765	59,277	476,528
Cabilla, Pacific.....	13,058	8,679	6,511			22,396	8,315	6,589		12,118	10,213	88,879	172,425
Grouper.....	5,332	3,734	2,621			5,302	2,694			3,255	3,433	20,940	21,441
Haddock, California.....			11,282							61	60	5,335	1,355
Mackerel, Spanish.....	5,237	935	2,683								1,595	439	11,162
Rock Bass.....	1,796	3,121										423	423
Rockfish, Black.....	11,490	6,998	40,273		4,111		7,560	61,033	25,735	14,534	20,594	2,042	197,191
Sea-tuna, White.....	18	294			1,690	564	37	37		33	212	319	1,169
Sole.....	100				1,055					55		1,149	
Sherpa-rod.....		252	407									694	
Swordfish, Broadbill.....						21,060	43,610	400				68,510	
Tuna, Albacore.....												400	
Tuna, Bluefin.....						10,603	199,760	1,006,626	247,058	216,542	260,135	13,510	2,455
Tuna, Bonito.....	3,616	1,157				1,450		1,450		1,450		1,450	2,456,976
Tuna, Skipjack.....	150,825	267,404	367,602	1,696,450	2,380,222	602,180	2,327,755	1,043,517	1,618,845	674,194	359,054	313,304	13,014,614
Tuna, Yellowfin.....	733,412	1,153,334	2,048,901	7,243,348	6,204,500	3,004,220	5,190,134	5,756,424	1,887,943	4,025,719	910,044	889,034	26,110,623
Wahoo.....												105	105
Yellowtail.....	9,388	3,587	2,555			24	312,534	109,061	140,783	283,537	4,815	20,754	20,363
Miscellaneous Fish.....	100										100	907,978	
Crustaceans.....												1,200	12,990
Lobster, Spiny.....													13,319
Total pounds.....	1,028,379	1,550,373	2,737,351	9,133,600	9,497,314	5,138,669	8,180,099	9,411,595	4,473,684	1,840,397	2,069,556	1,318,092	56,428,839

Species	Shipments from North of State Boundary												
	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Tuna, Albacore.....										131,607	1,823,659	401,330	2,346,496
Tuna, Bluefin.....										44	44
Total pounds.....										121,507	1,823,709	401,330	2,346,540

Species	Shipments from South of International Boundary												
	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Cabilla.....	530	63	1,510	24,625	11,350	12,927	5,480	1,453	122	39	50,211	
Cortina, Mexican.....	2,634	11,116	24,625	360	88	2,065	2,789	43,902	
Sea-bass, Black.....		118	118	
Swordfish, Totum.....	174,170	426,332	594,354	344,654	270,755	74,386	28,212	138,881	255,325	2,364,450	
Miscellaneous Fish.....		26	26	
Mollusk:													
Clam, Cockle.....										2,163	2,163	
Total pounds.....	177,634	437,600	620,672	345,014	282,304	89,381	26,622	1,453	2,163	141,801	255,994	2,350,570

Species	Shipments from Japan												
	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Tuna, Albacore.....	20,806	163,533	250,407	931,095	436,182	1,300,296	775,545	131,200	55,405	4,073,776
Tuna, Skipjack.....		210,069	102,552	24,072	39,041	57,595	145,140	456,162	1,096,059
Total pounds.....	20,806	318,412	912,239	945,170	436,182	1,202,299	775,545	171,247	146,304	145,140	496,162	5,142,433
Grand total	61,825,080	65,161,048	39,100,084	11,726,622	12,915,638	10,089,421	14,429,543	20,059,264	17,529,657	16,988,301	62,433,512	73,334,973	405,543,375

COMMERCIAL FISH LANDINGS IN SAN DIEGO REGION DURING 1939
Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Barnardia	81	6,212	76,246	183,027	96,188	93,501	135,561	202,405	77,329	69,539	18,509	958,608
Catfish, Pacific	39	42	35	116
Flounder, Starry	85	30
Frigate	114	114
Haddock, California	13,339	8,903	5,181	4,652	426	372	5,263	205	4,065	6,231	875	49,435
Herring, Pacific	6,727
Kelpfish	81	142	76	61	56	5	216	8	650
Mackerel, Horse	1,280	1,830
Mackerel, Pacific	5,000	112	24,596	10,285	8,061	937,835	1,181,000	700,010	27,452	622,012	557,102	1,395,857	6,309,906
Mullet	1,030	678	503	469	85	163	148	148	148	148	148	148	2,921
Perc	145
Porgy	211	1,001	1,973	1,186	2,310	1,751	31,261	21,050	5,935	11,056	8,335	3,869	97,236
Roughfish	11,492	18,262	49,650	5,329	14,229	36,114	35,210	12,655	2,094	9,787	1,606	3,112	201,441
Sandlance	38,380	31,050	20,550	5,100	6,020	1,020	55,555	47	141,000	37,400	321,620
Solefish	5,559	7,642	6,339	2,489	3,677	202	1,934	948	640	6,103	3,732	39,290
Sea-bass, Black	345	45	45	1,402	323	1,123	710	270	2,600
Sea-bass, Green	1,275	1,560	1,616	1,616	1,616	1,616	1,616	1,616	1,616	1,616	1,616
Sea-bass, White	582	431	1,660	6,766	3,213	16,614	38,296	32,945	18,476	13,213	1,068	203	131,403
Seabream	159	100	2,007	1,480	592	1,480	1,480	1,480	1,480	1,480	1,480	1,480	3,245
Shark, Common	564	232	199	32	199	19	19	19	19	19	1,707	734	4,408
Smelt	1,263	32	240	1,263	1,263	1,263	1,263	1,263	1,263	1,263	1,263
Sole	10	22	1	22	1	22	1	11	11	11	11	11	1,530
Weakfish, Broadbill	6,344	26,454	11,344	10,086	2,938	475	35,643
Tuna, Albacore	36,221	36,221	36,221	36,221	36,221	36,221	36,221	194,842
Tuna, Bonito	20,082	20	423	258,321	230,294	23,515	160,211	162,455	7,519	37,494	11,063	25,545	1,301,859
Tuna, Skipjack	20	19,329	19,329	1,354,000	59,000	59,000	59,000	2,446,400
Whiting, Ocean	732	218	1,331	7,066	19,671	56,343	29,097	20,000	4,500	12,533	125	7,899	159,550
Yellowtail	240	5	14	124	164	420	80	1,047
Miscellaneous Fish
Crustacean:
Lobster, Spiny	3,751	2,638	1,898	30,927	34,373	10,389	53,974
Mollusk:	1,455	1,455
Squid
Total pounds	107,130	360,579	456,003	488,551	551,414	1,401,102	2,451,958	1,714,649	1,781,880	1,587,539	1,345,179	2,112,182	14,418,457

Fishing Boat Landings from Waters North of State Boundary													
Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Tuna, Albacore.....	48,173	56,423	17,575	7,666	340	5,460	2,675	126,722	74,006	82,399	119,456	334,736
Total pounds.....	423,129	58,131,603	9,975,545	5,838,021	5,542,077	5,805,615	8,327,710	12,334,068	7,419,809	8,375,110	8,375,540	8,477,251	95,734,818

Fishing Boat Landings from Waters South of International Boundary													
Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Barracuda.....	484	563	493	4,393	1,960	3,665	470	1,493	1,023	4,343	2,049	2,049	33,736
Cobia.....	429	1,281	182	5,734	1,506	1,023	2,049	2,049	2,049	429
Cultus, Pacific.....	2,061	1,981	1,921	40,000	11,253	30,707	26,303	11,250	26,303	20,490
Dolphin, California.....	20,611	34,550	26,231	1,141	19,971	23,121	40,000	1,506	1,023	2,049	2,049	2,049	249,699
Kingfish.....	182	128	128	128	125	125	125	125	125	75
Mackerel, Pacific.....	3,471
Mackerel, Spanish.....	694	943	563	4,393	1,960	3,665	470	1,493	1,799	1,036	3,692	20,568	22,724
Rock Bass.....	2,656	19,396	4,473	1,281	3,665	470	1,493	1,799	1,036	3,692	2,239	2,239	99,930
Rockfish.....	2,656	19,396	4,473	1,281	3,665	470	1,493	1,799	1,036	3,692	2,239	2,239	125
Solepin.....	11,351	8,542	32,153	5,127	8,378	21,213	31,452	31,538	10,000	4,447	17,408	3,297	230,470
Sea Bass, Black.....	569	303	4,473	1,281	3,665	470	1,493	1,799	1,036	3,692	2,239	2,239	1,023
Sea Bass, White.....	69	1184	492	610	1,493	1,799	1,036	3,692	2,239	2,239	2,239	2,239	2,246
Shark.....	2,463	762	666	419	1,399	1,399	1,399	1,399	1,399	1,399	1,399	1,399	12,298
Swordfish, Broadbill.....	149	149	149	149	149	149	149	569
Tuna, Albacore.....	295	70,812	98,521	27,152	2,391	2,391	2,391	2,391	2,391	169,611
Tuna, Bonito.....	5,325	24,301	25,241	4,664	29	29	29	29	3,287
Tuna, Bonito.....	5,325	269	3,665	2,921	35,233	3,665	29	29	29	29	59,761
Tuna, Bonito.....	172,500	447,000	704,547	315,430	800,365	973,667	1,230,700	1,033,558	2,019,767	2,140,252	36,927	36,927	340,256
Tuna, Yellowfin.....	316,537	7,374,654	8,872,534	5,404,034	4,854,012	7,518,013	6,475,344	10,015,031	4,853,197	6,072,143	2,111,445	1,321,145	14,262,731
Whiting, Ocean.....	20,721	8,271	33,153	62,069	21,213	263,700	288,559	109,555	109,273	175,291	370,570	370,570	1,023,442
Yellowtail.....	20,721	8,271	33,153	62,069	21,213	263,700	288,559	109,555	109,273	175,291	370,570	370,570	1,023,442
Miscellaneous Fish.....	65	463	463	463	463	463	463	463	328
Crustacean:
Lobster, Spiny.....	309,558	277,251	179,582	7,703	124,632	899,158
Total pounds.....	923,129	8,131,603	9,975,545	5,838,021	5,542,077	5,805,615	8,327,710	12,334,068	7,419,809	8,375,110	8,375,540	8,477,251	95,734,818
Grand total.....	1,600,268	8,492,392	10,491,550	6,327,772	6,123,491	10,210,017	10,309,678	14,049,237	9,625,731	10,178,650	9,721,119	10,389,433	107,589,548

6. COMMON AND SCIENTIFIC NAMES OF FISHES, CRUSTACEANS AND MOLLUSKS

<i>Common name</i>	<i>Scientific name</i>
Anchovy	<i>Anchoviella compressa</i> <i>Anchoviella delicatissima</i> <i>Engraulis mordax</i>
Barracuda	<i>Sphyraena argentea</i>
Cabezone	<i>Scorpaenichthys marmoratus</i>
Cabrilla	<i>Epinephelus analogus</i> Various species of <i>Myctoperca</i>
Carp	<i>Cyprinus carpio</i>
Catfish	<i>Ameiurus catus</i> <i>Ameiurus nebulosus</i>
Corbina, Mexican	<i>Cynoscion othonopterus</i> <i>Cynoscion xanthulus</i> <i>Micropogon ectenes</i> Other members of the <i>Sciaenidae</i>
Cultus, Pacific	<i>Ophiodon elongatus</i>
Dolphin	<i>Coryphaena hippurus</i>
Eel	<i>Cebidichthys violaceus</i> <i>Xiphister mucosus</i> Other stichaeids and blenniids <i>Gymnothorax mordax</i>
Flounder, Starry	<i>Platichthys stellatus</i>
Flying Fish	<i>Cypselurus californicus</i>
Grouper	Various species of <i>Myctoperca</i>
Hake	<i>Merluccius productus</i>
Halibut, California	<i>Paralichthys californicus</i>
Halibut, Northern	<i>Hippoglossus stenolepis</i>
Hardhead	<i>Orthodon microlepidotus</i> <i>Mylopharodon conocephalus</i>
Herring, Pacific	<i>Clupea pallasii</i>
Kingfish	<i>Genyonemus lineatus</i>
Small percentage of Queenfish	<i>Seriurus politus</i>
Mackerel, Horse	<i>Trachurus symmetricus</i>
Mackerel, Pacific	<i>Pneumatophorus diego</i>
Mackerel, Spanish	<i>Scomberomorus sierra</i>
Mullet	<i>Mugil cephalus</i>
Perch:	
Halfmoon	<i>Medialuna californiensis</i>
Opal-eye	<i>Girella nigricans</i>
Salt-water	Various members of the <i>Embiotocidae</i>
Sargo	<i>Anisotremus davidsoni</i>
Pike	<i>Ptychocheilus grandis</i>
Pompano, California	<i>Palometa simillima</i>
Pompano, Mexican	various species of <i>Trachinotus</i> , and possibly other carangids
Ratfish	<i>Hydrolagus colliei</i>
Rock Bass	<i>Paralabrax clathratus</i> <i>Paralabrax nebulifer</i>
Rockfish	All species of <i>Sebastodes</i> and <i>Sebastolobus</i> found in California waters
Sablefish	<i>Anoplopoma fimbria</i>
Salmon	<i>Oncorhynchus tshawytscha</i> <i>Oncorhynchus kisutch</i>
Sand Dab	<i>Citharichthys stigmaeus</i> <i>Citharichthys sordidus</i>
Sardine	<i>Sardinops caerulea</i>
Sculpin	<i>Scorpaena guttata</i>
Sea-bass, Black	<i>Stereolepis gigas</i>
Sea-bass, Short-fin	<i>Cynoscion parvipinnis</i>
Sea-bass, Totuva	<i>Cynoscion macdonaldi</i>
Sea-bass, White	<i>Cynoscion nobilis</i>
Sea-trout, California	<i>Hexagrammos decagrammus</i>
Shad	<i>Alosa sapidissima</i>
Shark	<i>Alopias vulpes</i> <i>Galeorhinus zyopterus</i> <i>Mustelus californicus</i> <i>Notorynchus maculatus</i> <i>Prionace glauca</i> <i>Rhinotriacus henlei</i> <i>Squalus suckleyi</i> <i>Triakis semifasciata</i>
Sheepshead	<i>Small percentage of other species</i> <i>Pimelometopon pulcher</i>
Skate	<i>Raja binoculata</i> <i>Raja inornata</i> <i>Raja rhina</i> And other species
Smelt	<i>Atherinops affinis</i> <i>Atherinopsis californiensis</i> <i>Leuresthes tenuis</i>

	Hypomesus pretiosus	
	Small percentage of other Osmeridae	
Sole	<i>Eopsetta jordani</i>	
	<i>Glyptocephalus zachirus</i>	
	<i>Parophrys vetula</i>	
	Several other pleuronectids	
Split-tail	<i>Pogonichthys macrolepidotus</i>	
Sucker	<i>Catostomus occidentalis</i>	
Swordfish, Broad-bill	<i>Xiphias gladius</i>	
Swordfish, Marlin	<i>Makaira mitsukurii</i>	
Tomcod	<i>Micromugil proximus</i>	
Tuna, Albacore	<i>Germo alalunga</i>	
Tuna, Bluefin	<i>Thunnus thynnus</i>	
Tuna, Bonito	<i>Sarda lineolata</i>	
Tuna, Mebachi	<i>Parathunnus mebachi</i>	
Tuna, Oriental	<i>Thunnus orientalis</i>	
Tuna, Skipjack	<i>Katsuwonus pelamis</i>	
Tuna, Yellowfin	<i>Neothunnus macropterus</i>	
Turbot	<i>Hypsopsetta guttulata</i>	
	<i>Pleuronichthys decurrens</i>	
	<i>Pleuronichthys verticalis</i>	
	Possibly a small percentage of other pleuronectids	
Whitebait	<i>Allosmerus attenuatus</i>	
	<i>Spirinchus starksii</i>	
	Young of several species of fishes	
Whitefish, Ocean	<i>Caulolatilus princeps</i>	
Yellowtail	<i>Seriola dorsalis</i>	
Crab	<i>Cancer magister</i>	
Crab, Rock	<i>Cancer antennarius</i>	
	<i>Cancer anthonyi</i>	
	<i>Cancer productus</i>	
Lobster, Spiny	<i>Panulirus interruptus</i>	
Shrimp	Crago franciscorum and <i>C. nigricauda</i> from California waters	
	Other species from Mexican waters	

<i>Common name</i>	<i>Scientific name</i>
Abalone	<i>Haliotis fulgens</i>
	<i>Haliotis rufescens</i>
Clam, Cockle	<i>Paphia staminea</i>
	Species of <i>Chione</i>
Clam, Gaper	<i>Schizothaerus nuttallii</i>
Clam, Pismo	<i>Tivela stultorum</i>
Clam, Razor	<i>Siliqua patula</i>
Clam, Soft-shell	<i>Mya arenaria</i>
Clam, Washington	<i>Saxidomus nuttalli</i>
Mussel	<i>Mytilus californianus</i>
	<i>Mytilus edulis</i>
Octopus	<i>Polypus hongkongensis</i>
	<i>Polypus bimaculatus</i>
Oyster, Eastern	<i>Ostrea virginica</i>
Oyster, Japanese	<i>Ostrea gigas</i>
Oyster, Native	<i>Ostrea lurida</i>
Scallop	<i>Pecten circularis</i>
Squid	<i>Dosidicus gigas</i>
	<i>Loligo opalescens</i>
	Small percentage of other species
Whelk	<i>Kelletia kelletii</i>