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**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.

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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

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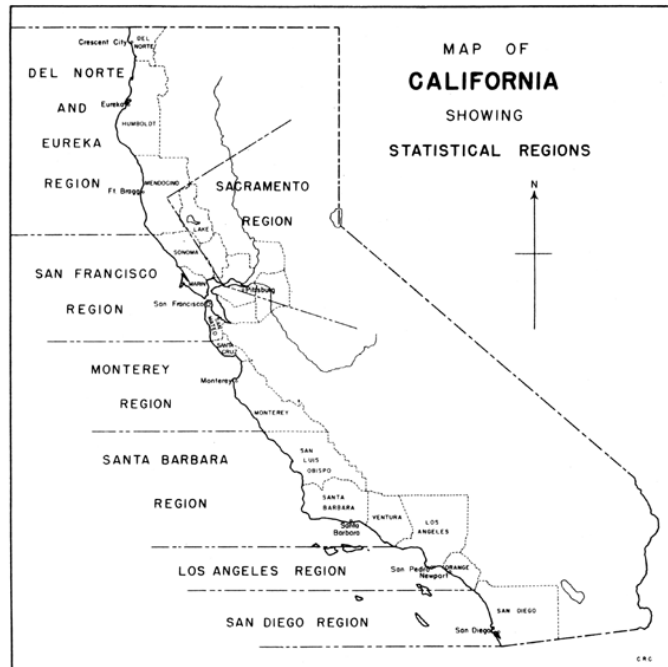


FIG. 2

(7)

FIG. 2

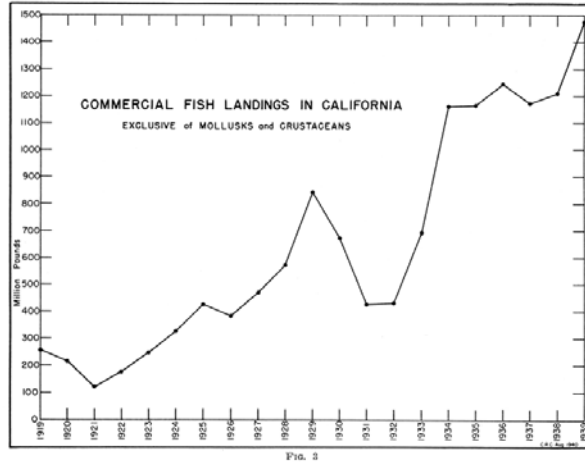


FIG. 3

FIG. 3

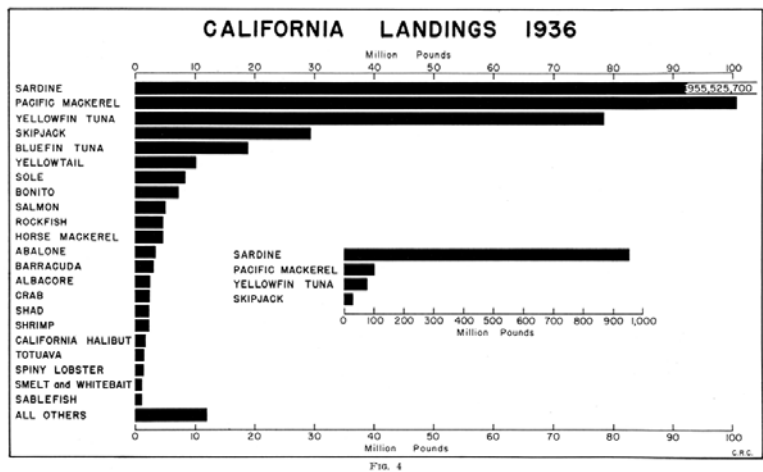


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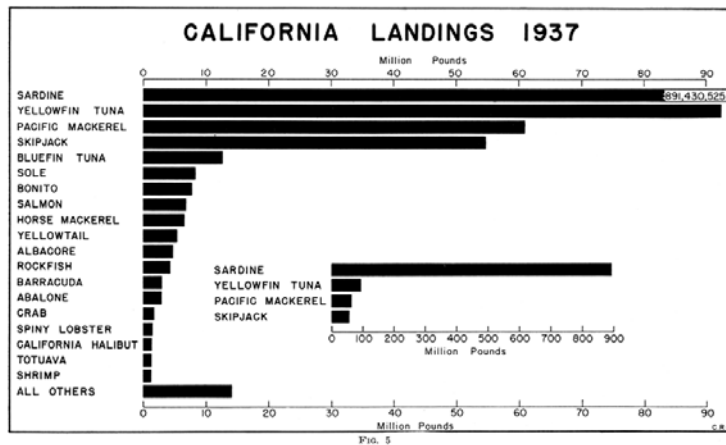


FIG. 5

FIG. 5

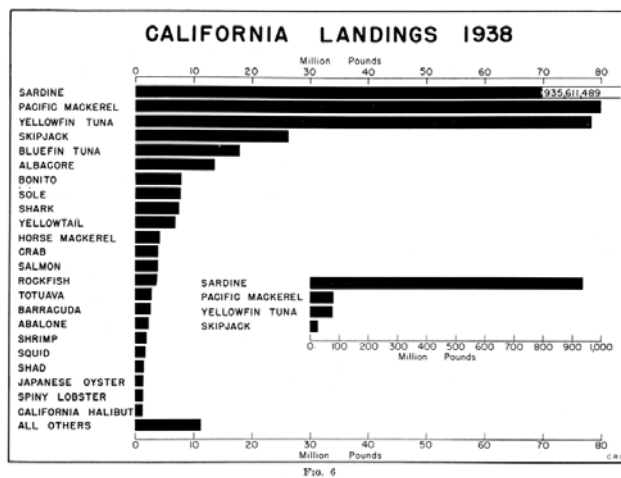


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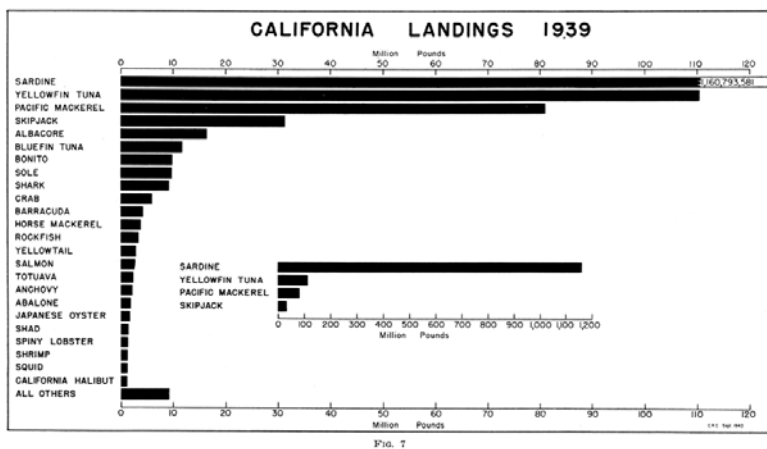


FIG. 7

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*.

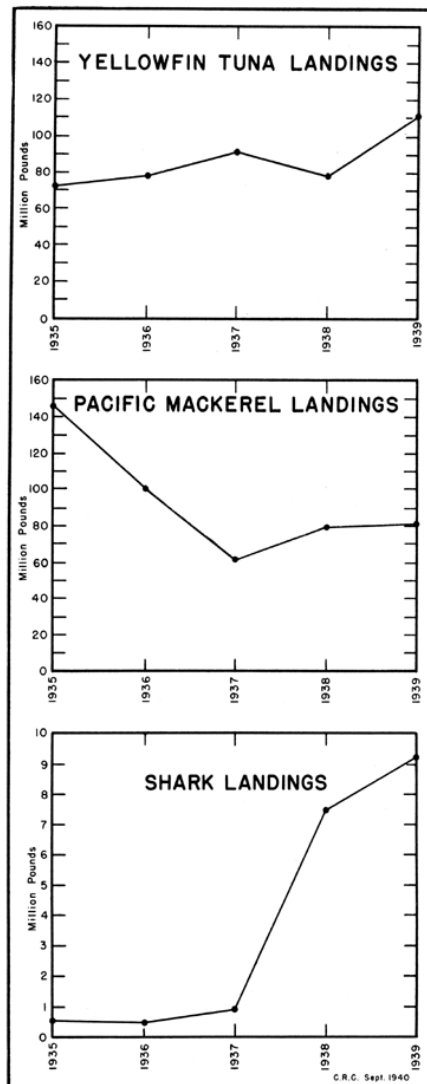


FIG. 8. The construction of many new tuna boats of 300- and 400-ton capacity has made possible the increase in yellowfin tuna landings. Despite many additions to the mackerel fleet, the increased effort has not brought commensurate returns and unless added protection is given to the mackerel this species 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	58,776
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

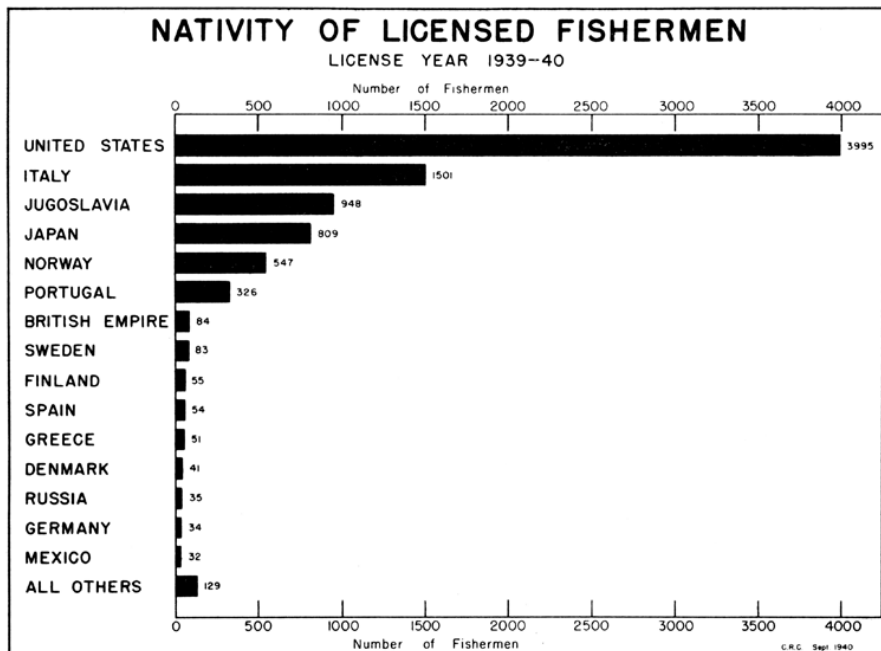


FIG. 9

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).....				3,748	3,748
Italy.....	115	273	536	577 (38%)	1,501
Japan.....		807		213 (21%)	1,020
Jugoslavia.....	45	21	219	663 (70%)	948
Norway.....	5	5	104	433 (79%)	547
Portugal.....	14	140	46	126 (39%)	326
China.....		1		38	39
All other foreign born.....	52	101	134	308 (52%)	595
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:

<i>Fishermen born in the United States of</i>			
<i>Chinese parentage</i>			<i>Japanese parentage</i>
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:

	<i>Alaska</i>	<i>Washington</i>	<i>Oregon</i>	<i>Total out-of-state fishermen</i>
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

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.....	2,982	United States.....	3,204	United States.....	3,665
Italy.....	1,207	Italy.....	1,265	Italy.....	1,407	Italy.....	1,501
Japan.....	906	Japan.....	943	Japan.....	995	Japan.....	981
Yugoslavia.....	822	Yugoslavia.....	891	Yugoslavia.....	872	Yugoslavia.....	909
Norway.....	496	Norway.....	521	Norway.....	483	Norway.....	547
Portugal.....	258	Portugal.....	289	Portugal.....	263	Portugal.....	286
Finland.....	72	Finland.....	100	Finland.....	81	Finland.....	54
British Empire.....	67	British Empire.....	75	British Empire.....	62	British Empire.....	53
Sweden.....	62	Sweden.....	72	Sweden.....	62	Sweden.....	55
Spain.....	56	Spain.....	55	Spain.....	54	Spain.....	54
Denmark.....	52	Denmark.....	51	Denmark.....	42	Denmark.....	41
Greece.....	50	Greece.....	46	Greece.....	44	Greece.....	31
Rumania.....	46	Rumania.....	45	Rumania.....	36	Rumania.....	35
Germany.....	34	Germany.....	38	Germany.....	36	Germany.....	34
Mexico.....	20	Mexico.....	19	Mexico.....	15	Mexico.....	12
All others.....	101	All others.....	129	All others.....	115	All others.....	129
Total licensed fishermen.....	6,581	Total licensed fishermen.....	7,665	Total licensed fishermen.....	7,790	Total licensed fishermen.....	8,724

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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	-----	-----	283
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
Cabrilla.....			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.....	55,027				55,027
Grouper.....			60,535		60,535
Hake.....	50,791				50,791
Halibut, California.....	783,159		806,273		1,589,432
Halibut, Northern.....	523,932				523,932
Hardhead.....	106,670				106,670
Herring, Pacific.....	840,530				840,530
Kingfish.....	651,968				652,134
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.....	7,624		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
Salmon.....	5,022,387				5,022,387
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.....	69				69
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
Smelt.....	839,197		2,034		841,231
Sole.....	8,324,861		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.....	13,805,578		5,116,305		18,921,883
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		18,549,354	2,264,925	29,271,030
Tuna, Yellowfin.....	767,231		77,585,413	8,628	78,361,272
Turbot.....	116,275				116,275
Whitebait.....	197,738				197,738
Whitefish, Ocean.....	26,839		19,764		46,603
Yellowtail.....	253,723		9,838,747		10,092,470
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
Mollusk:					
Abalone.....	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.....	2,000		133,050	30,300		29,833		195,133
Barracuda.....					47,350	2,253,590	645,602	2,977,542
Cabrera.....			6,777	12,789	312	19		19,885
Cabrilla.....						97,395	124,371	221,767
Carp.....		102,748					142	102,890
Catfish.....		302,116		2,911				305,027
Codfish, Mexican.....						81,181		81,181
Codfish, Pacific.....	201,052		395,952	155,195	143	402	5,055	758,600
Dolphin.....						92		92
Eel.....				56				56
Flounder, Starry.....	12,339	673	604,296	2,686				621,195
Flying Fish.....						55,827		55,827
Groper.....						20,707	39,828	60,535
Hake.....			45,741			4,800		50,541
Hallbut, California.....			12,356	44,331	263,560	550,434	716,701	1,589,432
Hallbut, Northern.....			65,957					65,957
Hardhead.....		106,670						106,670
Herring, Pacific.....	5,440		871,608	1,313	225			880,386
Kingfish.....			13,400	209,292	699	427,354	1,439	652,134
Mackerel, Blue.....				20,802		4,366,066	61,971	4,392,839
Mackerel, Pacific.....			44,333	5,475,431	24,316	84,315,743	10,746,725	100,542,214
Mackerel, Spanish.....	464					16,117	1,573	17,054
Mullet.....						5,000	3,981	8,981
Perc.....	13,333		96,104	44,397	5,000	91,955	451	251,742
Pike.....		497						497
Pompano, California.....				298		7,131	497	7,926
Rock Bass.....				16,129		200,542	199,496	415,145
Rockfish.....	167,424		801,710	2,613,893	400,981	282,130	231,794	4,498,935
Sablefish.....	845,020		95,548	207,760	666	185,958	2,149	1,235,553
Salmon.....	3,479,716	940,179	447,548	144,924	270	750		5,073,287
Sand Dab.....	271	209	860,877	21,778		8,409		991,234
Surfscout.....		164,192,445	119,637,330	402,941,023	1,657	252,935,295	15,555,550	955,325,700
Sculpin.....				80		216		296
Sea-bass, Black.....				23		293,011		293,034
Sea-bass, Short-fin.....							136	136
Sea-bass, Totoposte.....						1,300,163		1,300,163
Sea-bass, White.....			4,442	7,681	61,379	440,972	293,765	807,279
Sea-trout, California.....	11							11
Shad.....		2,245,491	24,487	11				2,270,989
Shark.....			170,451	1,105	22,311	224,061	52,063	471,981
Sheepshead.....					19,398	91,726	17,433	128,557
State.....			318,763	21,379	13,722	16,790	11,670	381,944

Reef.....	16,666		388,317	133,237	20,023	278,269	9,699	941,331
Sea.....	7,401		7,512,393	133,753	374,279	7,151	53	8,335,006
Spill-tail.....		29,342						29,342
Sturgeon.....		45,051						45,051
Swordfish, Broadbill.....					64,225	410,235	113,559	377,402
Swordfish, Marlin.....						14,737	1,908	16,645
Tonno.....			4,153					4,153
Tuna, Albacore.....			42,541		1,760	3,409,350	2,403	3,454,004
Tuna, Bluefin.....			23		7,147	17,644,384	1,377,530	18,034,935
Tuna, Bonito.....			442		4,175	4,881,003	2,330,295	7,215,916
Tuna, Yellowfin.....						20,370		20,370
Tuna, Skipjack.....						743,032		743,032
Turbot.....					7	11,712,347	17,655,475	29,371,089
Whiting.....					65	20,300,818	35,031,889	55,332,707
Yellowtail.....						82		82
Whiting, Ocean.....					4,312	17,929	24,363	46,000
Yellowtail.....					49	2,147,706	7,344,718	10,000,470
Miscellaneous Fish.....	7,153	117	162,888	134	4,719	2,360	1,029	178,417
Crustacean:								
Crab.....	229,900		2,675,645	6,356				3,311,800
Crab, Rock.....					75	16,125		16,302
Lebster, Spiny.....					141,501	275,321	955,737	1,338,536
Shrimp.....			2,240,349	1,861		17,270	4,439	2,294,499
Mollusk:								
Abalone.....			33,667	1,575,673	1,692,143	710		3,202,193
Clam, Cockle.....	231		1,142			21,429		22,402
Clam, Gaper.....	1,415		3,074					4,490
Clam, Penae.....				20,335	199,420			209,755
Clam, Soft-shell.....			90,971					90,971
Clam, Washington.....	22,649		2,923					34,572
Mussel.....				750				750
Oyster.....	758		12,303	45,724		618	19	62,432
Oyster, Eastern.....			318,912					318,912
Oyster, Japanese.....			301,417	9,369				310,605
Oyster, Native.....			25,669					33,669
Squid.....			2,733	933,201		9,485		945,419
Worm.....						250		250
Total pounds.....	5,397,403	187,945,581	137,890,106	414,835,063	3,364,180	409,554,370	117,473,464	1,354,554,375

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MONTHLY COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1936

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Anchovy.....	7	95	5,808	33,743	20,100	35,875	35,422	33,295	28,410	2,065	18	200	185,123
Barracuda.....	44,704	144,275	225,121	585,050	832,264	333,657	305,065	202,745	132,355	164,712	63,551	119,513	2,577,542
Calappa.....	1,252	905	2,892	3,540	535	1,941	1,304	3,156	743	225	414	765	15,388
Chinook.....	41,569	31,999	11,774	25,445	26,579	10,487	7,691	6,031	64,417	61,989	35,025	13,541	221,787
Carp.....	13,597	14,794	19,299	16,099	8,771	8,091	830	190	2,639	2,692	9,859	12,312	109,890
Codfish.....	9,084	7,163	33,354	37,396	306	732	1,063	603	64,417	61,989	35,025	13,541	309,007
Corbina, Mexican.....	24,870	15,963	33,356	14,533	559	17	.....	.....	.....	.....	.....	1,009	92,118
Culpe, Pacific.....	34,995	42,572	90,942	97,542	44,493	66,144	35,690	30,433	30,651	34,333	87,338	62,456	738,460
Dolphin.....	.....	.....	.....	.....	.....	.....	.....	82	.....	.....	.....	.....	82
Eel.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Flounder, Starry.....	33,818	70,030	111,795	62,234	15,491	23,225	73,399	52,987	32,233	28,446	29,355	.....	621,195
Flying Fish.....	.....	.....	.....	4,514	5,510	15,195	9,059	12,510	7,111	725	.....	.....	55,027
Grouper.....	11,758	5,425	21,317	.....	20,403	627	999	.....	1,210	1,053	.....	.....	69,535
Hake.....	599	1,287	2,244	1,990	1,650	4,850	11,500	1,375	4,855	5,175	9,073	4,770	50,791
Halibut, California.....	133,415	190,157	354,837	132,833	106,814	134,507	130,999	141,500	155,940	27,498	82,799	97,991	1,399,432
Halibut, Northern.....	.....	.....	6,221	93,244	128,778	214,799	70,037	10,742	70	.....	.....	.....	323,932
Hardhead.....	14,311	11,535	10,539	10,550	12,775	11,650	.....	2,700	.....	6,250	11,193	14,506	109,070
Herring, Pacific.....	337,131	300,170	39,845	61,543	49,434	57,792	49,022	35,363	43,489	64,620	46,994	43,194	840,330
Kingfish.....	95,212	49,274	82,872	.....	.....	.....	.....	.....	.....	.....	.....	.....	551,134
Macarel, Horse.....	60,537	28,662	6,197	2,601	263,512	238,190	442,321	594,955	836,737	1,010,810	1,999	1,090,235	4,599,392
Macarel, Pacific.....	1,101,042	848,434	1,515,190	916,710	9,746,979	4,227,159	19,677,264	12,677,640	16,432,910	22,309,851	2,221,895	7,267,015	199,542,214
Macarel, Spanish.....	257	2,051	97	.....	.....	.....	.....	2,132	103	1,837	9,033	6,328	17,992
Mullet.....	.....	.....	.....	1,789	1,572	1,625	.....	.....	.....	.....	.....	.....	10,851
Perch.....	23,971	23,201	55,135	63,272	1,307	1,644	14,495	15,021	14,658	9,101	11,814	15,690	231,742
Pike.....	33	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	497
Pompano, California.....	7	47	194	237	194	.....	.....	.....	.....	.....	.....	.....	7,029
Rock Bass.....	5,815	12,883	20,888	18,473	47,693	50,811	69,875	94,299	29,399	21,274	30,622	21,171	416,145
Rockfish.....	393,263	294,374	498,977	842,196	398,455	418,883	418,380	394,745	308,050	270,711	373,058	305,535	4,669,594
Sablefish.....	84,816	41,692	64,640	194,191	122,391	293,692	98,759	128,311	82,843	67,883	50,021	9,556	1,093,530
Salmon.....	1,095	16,261	52,261	221,000	652,648	145,647	124,023	1,776,438	828,062	.....	20	90	5,022,287
Sand Dab.....	51,378	44,655	71,694	89,692	47,629	65,343	64,772	47,728	35,777	55,361	50,185	37,603	621,475
Sardine.....	178,888,443	81,334,212	79,333,429	494,446	715,715	416,790	695,147	21,310,001	146,794,817	130,955,765	140,169,265	174,391,476	983,525,709
Scupin.....	5,295	2,433	7,792	10,184	19,696	16,291	9,886	8,627	10,011	10,619	9,095	8,437	110,497
Sea-bass, Black.....	31,116	41,418	21,309	17,065	57,195	22,789	18,096	20,823	48,515	63,698	18,509	18,184	399,395
Sea-bass, Shortfin.....	46	.....	16	.....	.....	.....	.....	.....	.....	.....	.....	.....	156
Sea-bass, Tottawa.....	340,735	222,658	278,413	46,213	113,670	36,902	.....	.....	.....	.....	124,439	109,553	1,423,900
Sea-bass, White.....	30,231	23,863	66,178	331,045	6,499	22,226	50,023	50,667	100,919	33,277	.....	.....	887,779
Sea-trout, California.....	11	.....	41	.....	.....	.....	.....	.....	.....	.....	.....	.....	59
Shad.....	47,028	664	136,558	1,153,692	555,383	.....	.....	.....	.....	.....	.....	.....	3,372,969
Shark.....	47,028	44,702	67,387	33,629	37,177	44,377	23,449	24,924	30,206	36,351	43,365	39,034	471,861
Sheepshead.....	22,297	12,510	14,687	3,544	6,202	594	109	1,023	6,399	16,571	21,415	21,339	126,577

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State.....	54,009	44,480	37,196	21,493	29,380	27,313	21,740	20,322	16,462	25,679	32,024	32,638	381,944
Swatf.....	65,708	73,031	91,916	70,343	56,406	81,682	71,726	49,693	71,101	73,873	68,314	47,303	841,231
Se.....	745,496	733,457	865,566	838,745	646,739	701,187	633,319	813,137	688,310	444,483	638,131	308,452	3,333,098
Spit-tail.....	4,859	5,416	4,922	4,384	3,474	2,556	.....	.....	600	.....	1,016	2,330	29,342
Syke.....	16,424	9,272	16,391	6,664	5,335	5,575	.....	.....	.....	.....	.....	.....	45,681
Swordfish, Broadbill.....	.....	.....	.....	375	75,347	223,558	206,390	67,942	.....	4,738	.....	182	377,463
Swordfish, Marlin.....	.....	.....	.....	.....	.....	1,138	9,216	6,129	149	.....	.....	.....	16,645
Tanook.....	190	500	.....	.....	.....	1,533	1,600	42	.....	.....	.....	763	4,153
Tuna, Albacore.....	112,850	155,927	378,733	136,144	166,410	7	215,260	306,086	417,991	336,611	15,961	1,193	2,499,094
Tuna, Bluefin.....	.....	54,183	132,617	40,685	1,275,699	8,711,229	4,160,560	2,387,617	1,871,797	286,040	.....	.....	13,954,893
Tuna, Bonito.....	791,333	301,432	198,925	17,724	485,253	105,405	807,386	2,383,142	1,379,027	185,699	256,069	290,110	7,213,916
Tuna, Makohi.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	20,379	.....	.....	20,379
Tuna, Oriental.....	90,858	.....	.....	.....	.....	.....	73,593	521,481	59,310	.....	.....	.....	745,083
Tuna, Skipjack.....	394,751	64,818	693,837	1,061,336	2,110,551	1,205,136	485,329	5,353,528	7,327,178	6,673,990	2,764,300	932,695	29,371,080
Tuna, Yellowfin.....	4,685,699	2,469,380	7,659,976	3,474,214	11,093,519	7,283,739	9,373,821	3,161,397	5,979,994	7,496,345	4,043,315	7,893,672	79,391,272
Turbot.....	5,961	1,496	36,447	6,116	5,143	8,637	16,333	11,357	2,660	5,793	6,717	3,521	115,575
Whitefish.....	4,131	11,556	36,233	40,381	36,533	38,872	22,375	5,648	89	.....	.....	.....	197,128
Whitefish, Ocean.....	9,700	5,363	9,209	3,563	1,315	1,691	.....	662	1,384	5,468	6,247	8,671	44,602
Yellowtail.....	207,027	232,036	196,820	983,218	1,097,890	437,491	1,484,487	2,908,377	745,441	389,660	487,199	1,150,694	16,092,470
Miscellaneous Fish.....	17,904	11,496	16,479	17,392	17,789	15,294	14,249	15,719	13,665	9,232	18,429	16,113	178,417
Crustaceans:	476,532	374,054	204,854	203,884	162,906	89,372	161,496	53,106	.....	.....	406,516	178,062	2,311,802
Crab.....	2,033	1,912	2,597	3,781	1,337	810	843	1,029	543	200	679	749	18,302
Crab, Rock.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	155,067	193,441	194,304	1,233,539
Leather, Spiny.....	345,653	245,876	156,594	.....	112,572	257,895	552,042	617,339	296,338	185,392	91,993	63,339	2,394,499
Shrimp.....	44,408	50,886	74,470	52,836	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mollusks:	20,000	.....	162,000	478,100	331,553	451,277	271,559	558,456	295,151	149,900	295,714	219,336	3,302,155
Abalone.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Clam, Cockle.....	1,650	1,743	1,645	1,636	1,831	1,791	1,940	2,029	1,962	1,906	1,991	2,449	22,802
Clam, Oyster.....	1,134	152	566	494	416	325	594	479	156	99	99	99	4,400
Clam, Potomac.....	16,020	12,626	14,096	13,656	14,397	18,886	23,859	24,432	21,005	18,888	15,888	15,256	269,905
Clam, Soft-shell.....	10,332	9,172	9,561	9,534	9,563	11,237	6,090	6,229	6,285	3,943	4,101	4,066	99,971
Clam, Washington.....	4,383	3,383	3,672	3,866	156	841	340	343	5,383	4,899	3,014	2,335	33,272
Muscul.....	200	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	250
Octopus.....	2,437	8,421	11,917	13,196	4,484	4,557	4,500	7,144	3,452	1,115	2,331	1,290	62,482
Oyster, Eastern.....	31,332	29,265	28,107	28,192	18,487	15,995	18,254	14,599	38,272	33,363	40,522	46,377	318,913
Oyster, Japanese.....	20,933	9,114	18,106	11,313	9,888	36,067	36,436	25,717	40,554	34,060	35,001	35,555	310,683
Oyster, Native.....	243	3,140	6,346	6,876	2,831	3,843	1,794	1,626	.....	563	2,729	3,392	15,699
Squid.....	29,679	33,960	17,401	48,711	503,472	146,439	400,596	8,729	1,678	21,619	26,652	61,699	945,419
Whale.....	250	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	250
Total pounds.....	189,685,738	88,858,880	94,509,087	14,861,715	22,227,196	26,887,756	42,156,895	56,199,395	155,867,245	172,892,861	153,389,890	105,830,716	1,356,586,373

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
Anchovy.....	3,132	18,327	42,214	27,308	8,432	14,321	7,520	12,308	4,239	2,020	21,042	11,333	2,020
Calico, Pacific.....	4,547	4,033	2,774	77,473	117,399	200,321	65,319	30,108	69	15,599	5	140	201,032
Flounder, Starry.....													12,539
Haddock, Northern.....													477,975
Herring, Pacific.....	3,324	2,250	4,990										3,849
Marlin, Pacific.....									494				494
Perch.....	1,765	3,098	7,216	1,090	9								13,333
Rockfish.....	5,898	15,419	14,213	20,559	20,170	10,407	3,897	5,319	12,476	22,396	26,064	9,783	187,424
Sardine.....	24,098	5,964	19,092	24,509	21,598	143,414	37,439	82,779	43,016	20,207	3,972		343,079
Salmon.....				111,204	422,619	193,050	1,209,377	1,403,607	141,739				3,479,736
Sand Dab.....	26	233											271
Seabream, California.....	11												11
Squid.....	3,828	1,824	2,130	662	637	45	861	300	2,107	330	341	3,072	16,966
Sole.....	1,338	2,388	1,081	5	86	65	91	708	664	941	11		7,401
Whiting.....	3,792	13,051	33,477	37,163	30,714	35,851	18,055	5,540					177,498
Miscellaneous Fish.....	1,451	1,250	916	290	136	441	331	993	46	1,161	46	134	7,153
Crustacean:													
Crab.....	20,328	20,114	20,788	30,214	32,032	31,364	34,304	33,990				6,399	229,900
Mollusk:													
Clam, Cockle.....	59	65	33	54									331
Clam, Gaper.....	1,037		240	144									1,416
Clam, Washington.....	4,231	3,272	3,470	3,033					5,323	4,732	4,875	3,172	33,249
Octopus.....	12	338	84	63	79						120	139	789
Total pounds.....	80,321	92,689	182,083	249,408	714,620	662,101	1,400,394	1,590,830	216,224	77,406	35,882	34,623	5,397,403

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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 points
Carp	11,897	14,708	18,209	13,857	8,771	8,091	830	100	2,635	2,692	9,839	12,132	189,748
Catfish	9,086	8,885	13,150	27,151	305	735	1,065	663	64,417	61,959	29,023	23,662	389,118
Striped Bass	1,211	1,211	1,211	1,211	1,211	1,211	1,211	1,211	1,211	1,211	1,211	1,211	14,585
Hardhead	14,111	11,211	10,110	10,110	12,771	11,650			27,001	6,330	11,183	14,805	106,656
Pike	7,095	16,362	13,472	256	217,943	43,154			153,301	375,143	8	17	949,115
Sand Dab				10,043					1,002,500	34,363,450	38,313,550	33,114,000	144,693,500
Shad	21,388,706	506,450	138,047	1,138,772	949,108	1,474							24,141,000
Sitka Sockeye	4,830	964	10,381	6,664	3,335	2,975			400		1,601	2,230	23,441,000
Snake	10,424	978	28		86				400		4,005		18,948,000
Morone Fish													187,564,000
Total pounds	21,440,771	578,365	258,452	1,131,531	1,197,792	72,195	1,945	1,176,404	34,811,739	38,384,449	33,819,113	33,695,940	187,564,000

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.....				13,000	12,000	16,000	43,000	24,000	22,000				133,000
Cabernae.....	100	100	478	1,114	300	1,135	1,300	1,050	150		200	200	6,277
Calves, Pacific.....	22,408	15,341	35,001	30,424	28,356	41,052	21,574	22,566	64,549	25,012	46,030	28,000	265,052
Eel.....			13	23			30	8	4		4		86
Flounder, Starry.....	20,448	65,103	108,100	61,277	18,129	22,154	73,201	32,700	22,109	26,350	29,067	62,666	604,286
Hake.....	601	605	203	469	1,050	4,050	11,900	1,275	4,955	8,175	9,675	4,770	46,741
Halibut, California.....	1,885	892	961	822	100	2,004	1,147	1,294	431		1,750	925	12,209
Halibut, Northern.....		2,553	15,771	11,252	11,479	4,305	844						45,957
Herring, Pacific.....	353,168	297,740	80,200								3,225	86,173	831,608
Kingfish.....			138	1,294	2,827	4,778	593		1,133	1,615			13,460
Mackerel, Pacific.....							4,217	8,478	21,795	8,337	7,537	1,633	44,635
Puree.....	5,807	6,134	10,183	21,269				8,875	6,531	3,399	7,984	11,981	96,104
Rockfish.....	84,106	60,337	112,399	61,437	54,687	82,744	38,436	42,067	65,101	63,543	109,502	73,091	961,710
Sablefish.....	9,061	2,250	2,063	140	22,215	11,175	7,530	22,095	3,255		390	653	55,648
Salmon.....	50,817	42,423	60,222	74,203	32,274	129,293	109,118	189,439	17,441		32,074	48,131	447,548
Sand Dab.....				43,294	63,504	41,274	47,141	34,620					200,077
Sardine.....	7,329,676	69,515	188,450	172,200	371,000	354,400	444,900	1,655,400	17,724,900	28,690,129	31,429,200	31,007,100	119,837,230
Sea-bass, White.....								31	4,651	390			4,442
Sea-trout, California.....								7					7
Shad.....	31,438	22,958	35,773	13,210	9,277								94,487
Shark.....				3,000	100	2,903	4,290	3,459	5,440	7,556	20,559	32,681	170,481
Skate.....	45,425	34,568	44,310	14,065	24,820	21,900	19,610	19,218	13,033	21,253	29,209	29,229	318,783
Snail.....	14,531	50,061	47,775	30,857	27,303	32,570	37,464	24,720	20,097	21,688	22,712	21,111	390,517
Sole.....	710,124	696,095	751,185	779,022	610,065	676,722	628,295	792,739	667,027	393,454	610,227	496,502	7,812,392
Tuna.....	190	500			55	1,653	1,650	47					4,153
Turbot.....	9,912	7,020	22,891	7,021	4,664	5,637	15,332	11,237	2,530	3,785	5,870	5,321	105,949
Whitefish.....	709	446	1,204	867	2,723	2,420	4,123	143	89				13,154
Miscellaneous Fish.....	11,403	9,911	15,116	16,320	17,133	14,280	13,811	12,811	12,090	7,696	16,282	15,377	162,888
Crustacean:													
Crab.....	453,438	353,512	153,268	173,716	130,620	58,372	117,884	19,146			404,042	171,295	2,053,646
Shrimp.....	45,829	90,794	74,237	81,076	107,668	284,297	432,042	317,309	255,937	153,793	34,267		2,340,849
Mollusk:													
Abalone.....			1,250	2,350	900	26,967	2,000						33,667
Clam, Cockles.....	88	81	187	67	187	145	147	113	24	29	36	17	1,142
Clam, Geop.....	123	182	354	260	416	326	504	470	156	90	98	94	3,074
Clam, Redfoot.....	10,832	9,172	9,500	9,504	9,500	11,237	6,000	6,229	3,041	4,181	4,065	9,071	90,071
Clam, Washington.....	150	111	202	170	358	341	349	343	147	147	139	166	2,633
Octopus.....	561	560	2,416	4,214	1,249	1,341	807	808	100	18	20	221	12,266
Oyster, Eastern.....	31,252	29,295	25,107	20,133	18,487	15,968	10,254	14,820	20,272	33,263	40,522	46,372	318,912
Oyster, Japanese.....	20,802	8,738	16,140	9,890	8,538	25,057	29,350	25,057	40,519	55,000	35,001	25,435	304,417
Oyster, Native.....	243	2,140	8,540	6,873	2,821	3,483	1,794	1,636		953	2,720	2,852	23,609
Squid.....			210						1,075		1,118	330	2,753
Total pounds.....	9,467,615	1,847,395	1,879,309	1,643,906	1,373,879	1,927,116	2,297,326	3,507,964	19,058,079	29,552,820	32,972,250	32,350,898	137,980,106

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	2,003	483	11,670	10,190	600				30,500
Calappa.....	1,132	428	2,494	2,420	238	809	840	1,092	679	228	314	565	11,739
Codfish.....		362	2,104	445									2,911
Codfish, Pacific.....	7,000	8,504	12,807	20,488	10,563	8,533	8,524	14,781	11,573	8,449	17,704	23,017	155,166
Flounder, Starry.....	725	494	545	947	251	271	191	273	58	150	153	110	3,686
Halibut, California.....	8,916	9,657	13,049	23,116	477	1,288	3,460	2,330	115	1,653	876	204	44,331
Herring, Pacific.....	350	145	145			140	500						1,315
Kingfish.....	16,942	3,941	38,104	17,323	16,279	19,236	21,883	5,943	14,542	20,691	16,561	17,467	190,252
Masked Booby.....		723	2,685	1,794	973	2,406	11,407	5,343	4,679	561	8		30,502
Masked Booby, Pacific.....	102,594	69,799	63,157	24,131	28,445	46,350	142,565	3,401,419	496,065	143,832	92,864	86,996	5,413,431
Perch.....		179	14,237	23,995		3,915	432			1,398	216		44,567
Pompano, California.....			61	69	61	73	14						298
Rockfish.....	171,994	131,689	220,102	338,211	223,182	241,940	293,886	283,427	183,332	140,334	178,829	179,603	2,619,945
Salmon.....	41,366	11,474	15,907	24,296	9,431	2,061	13,334	10,376	27,423	14,937	35,456	6,083	207,740
Salmon,			18,649	10,080	9,812	79,223	26,260						144,924
Sea Dog.....			3,609	6,500	3,602	1,203	3,053	340	1,163	1,704	1,453	298	21,779
Sardine.....	70,205,447	7,526,265	120,639	165,130	115,065	55,310	46,965	19,127,382	94,653,145	63,929,795	75,994,306	71,097,324	402,943,023
Sculpin.....									80				80
Sea-bass, Black.....			173	23									20
Sea-bass, White.....	114	55	157	167	12				6,349	42	267	42	7,681
Sea-trout, California.....			41										41
Shad.....			943						111	445	1,063	511	3,105
Shad.....			31						518	2,189	653	58	3,358
Shad.....	1,304	4,271	6,715	2,145	507	949	1,265	705	638	3,189	653	58	21,627
Shad.....	7,990	3,739	2,535	3,683	6,948	23,379	15,193	18,421	2,929	4,264	3,512	250	123,733
Sole.....	1,020	4,401	46,094	36,168	7,354	6,032	6,164	5,125	19,685	25,000			42,841
Tuna, Bluefin.....									22				22
Tuna, Bonito.....									17				17
Tuna, Bluefin.....									100	1,008	538		1,646
Tuna, Bonito.....									24				24
Turbot.....	32	969	4,606	2,092	679								10,274
Whitefish.....		19	747	2,021	8,996	501	87						12,405
Miscellaneous Fish.....			20	90									110
Crustaceans.....													
Crab.....	295	408	768	54	54	26	18				4,474	126	6,256
Shrimp.....	340	122	240						391			113	1,391
Mollusk.....													
Abalone.....	4,450		55,875	334,300	213,300	173,000	66,550	300,135	238,000	17,650	76,275	55,550	1,375,475
Clam, Pismo.....	3,021	2,374	2,354	1,175					2,531	3,374	2,531	2,694	20,545
Mussel.....	300			440									1,560
Oyster.....	1,553	4,713	9,460	8,470	3,964	3,316	4,403	6,522	3,325	552	1,769	877	48,724
Oyster, Japanese.....		941	1,250	1,423	1,250	1,250	1,250	600	200	150		120	9,299
Scallop.....	17,084	33,393	1,279	42,359	538,305	144,805	40,930	8,723		21,880	35,567	48,233	933,231
Total pounds.....	70,595,912	8,120,223	724,812	1,100,177	1,109,999	815,002	1,414,472	23,214,242	95,953,267	64,367,673	76,083,391	71,315,404	414,838,965

COMMERCIAL FISH LANDINGS IN SANTA BARBARA REGION DURING 1938

Fishing Boat Landings from California Waters													Total pounds
Species	January	February	March	April	May	June	July	August	September	October	November	December	
Barnacles.....			4,110		369	3,567	6,790	9,537	15,951	6,147	619	20	47,350
Cajonada.....		77					114	114	7				312
Calfan, Pacific.....						65	62						127
Halibut, California.....	17,509	11,666	12,445	9,732	19,619	21,713	21,792	21,699	28,475	24,242	20,951	23,554	202,560
Herring, Pacific.....	99						82	54					235
Kingfish.....	314			35			90			227	62		609
Mackerel, Pacific.....	4,738	670	1,115			151	1,673	1,741	3,677	6,901	2,372		17,816
Perch.....	43	208	147	1,379		120	304	1,319	1,319		8		3,099
Rock Bass.....	797	1,088	326	467	1,913	1,727	4,325	1,025	455	495			16,119
Rockfish.....	61,128	33,828	37,421	27,279	33,995	21,231	29,990	21,144	29,090	16,128	13,629	16,175	400,381
Salmon.....	53		54				377	160	3				656
Salmon.....	181						270						270
Sculpin.....	35			114	53		20	335	1,040				1,647
Sea-bass, Black.....							19			90			216
Sea-bass, White.....	1,424	431	682	12,584	6	42	200	2,611	15,145	10,090	13,291	4,722	61,579
Shark.....	875	3,360	2,929	1,432	2,135	2,254	1,431	1,650	1,372	1,351	2,724	199	22,211
Snowflake.....	6,456	2,175	1,115					17	2,837		3,833	2,355	19,398
Sole.....	1,789	1,000	811	1,466	1,633	2,140	410	225	1,454	400	194	185	13,722
Spot.....	453	1,610	1,450	4,250	4,355	2,754	2,182	2,315	17,522	65,263	22,143	152	20,352
Sole.....	22,070	22,069	62,546	66,325	30,275	20,632	15,457	14,203	17,522	65,263	22,143	12,330	274,279
Swordfish, Broadbill.....						3,374	30,053	8,510	341				44,228
Tuna, Albacore.....							1,479	173	188				1,790
Tuna, Bluefin.....							1,067	655	1,666				3,447
Tuna, Bigeye.....	178							1,748	1,547		1,003		4,176
Tuna, Skipjack.....								7					7
Tuna, Yellowfin.....								33	20				53
Whitefish, Ocean.....	2,438	392		69					118	214			4,212
Yellowtail.....								46					46
Miscellaneous Fish.....		251	35	410	75	26	4	1,633	79		1,907	316	4,719
Crustaceans.....													76
Crab, Rock.....					39	37							76
Crab, Spiny.....	15,666	10,728	7,394							65,188	34,502	25,393	141,961
Mollusks.....	25,550		64,800	136,900	137,278	251,810	292,335	256,331	160,031	131,625	160,264	163,475	1,492,143
Clam, Pismo.....	12,999	10,252	12,554	12,490	14,297	18,895	21,535	24,433	18,454	15,514	13,037	12,565	180,426
Total pounds.....	185,595	111,794	231,253	296,032	245,114	337,729	329,854	424,727	303,313	315,928	302,541	296,933	3,364,156

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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
Anchovy.....	7	65	2,280	7,272	8,565	8,791	3,352	799	160	73	15	219	29,832
Barramundi.....	15,433	23,835	112,870	794,032	231,784	268,050	280,862	88,134	76,327	88,003	143	.....	1,678,565
Colefoot.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10
Culter, Pacific.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	127
Delphin.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12
Pygmy Perch.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	55,627
Hake.....	80	432	1,679	4,330	.....	.....	.....	.....	.....	.....	.....	.....	6,690
Halibut, California.....	36,760	44,440	25,481	33,261	45,463	51,635	14,507	18,801	12,882	6,831	2,713	12,363	367,547
Kingfish.....	49,353	46,030	48,637	42,686	39,766	35,229	27,556	28,512	26,799	39,625	29,469	23,322	437,294
Mockery, Horse.....	69,521	25,236	1,444	915	206,795	232,215	445,115	382,036	831,514	1,096,131	1,436	1,096,277	4,296,499
Mockery, Pacific.....	314,756	244,922	1,006,350	306,214	7,912,222	3,818,765	16,427,866	8,366,118	15,861,814	22,828,771	1,056,944	6,365,121	84,813,743
Mullet.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,625
Perch.....	10,012	15,405	16,288	15,345	1,198	1,428	6,062	3,356	5,371	2,394	5,695	6,414	91,658
Pompano, California.....	2	22	47	62	917	297	846	1,565	1,175	962	714	136	2,111
Rock Bass.....	2,724	5,312	7,868	11,022	28,745	29,678	35,319	25,083	10,927	8,403	15,332	9,199	190,889
Rockfish.....	41,132	25,098	46,063	35,327	27,773	12,853	10,866	8,072	8,677	12,083	22,727	21,435	270,733
Scholich.....	15,704	21,654	25,295	50,446	8,795	2,789	1,059	9,020	8,146	12,783	11,095	2,790	172,064
Salmon.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	790
Sand Dab.....	1,123	1,131	1,665	1,086	586	251	313	167	594	583	583	431	8,499
Sardine.....	74,303,553	65,994,333	75,879,710	6,522	10,533	4,929	3,038	3,765	22,587	22,835	21,583	36,662,803	252,603,245
Sculpin.....	1,495	1,829	1,269	9,581	10,428	11,521	9,891	8,818	9,835	10,440	9,365	8,261	105,748
Sea-bass, Black.....	1,190	341	1,449	1,626	2,712	405	1,567	941	2,397	579	155	27	13,479
Sea-bass, White.....	1,870	4,817	47,592	203,306	1,658	2,872	1,569	2,172	15,423	9,415	9,449	29,892	422,412
Shark.....	10,996	8,621	29,372	24,430	34,632	29,848	18,491	19,660	22,981	16,299	9,246	5,363	218,879
Sheepshead.....	14,230	2,994	11,496	4,426	3,532	197	993	685	4,251	11,876	14,299	14,741	90,758
Spratle.....	1,871	2,352	2,374	1,343	1,345	1,135	196	174	669	873	1,297	1,767	10,989
Squid.....	39,218	15,397	26,391	21,478	18,456	19,909	14,528	22,598	17,241	29,377	33,721	18,963	278,299
Sole.....	224	469	1,509	1,406	1,406	731	182	292	173	221	236	130	2,094
Swordfish, Broadbill.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	417,268
Swordfish, Marlin.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	14,737
Tuna, Albacore.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	89,871
Tuna, Bluefin.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	13,623,554
Tuna, Bonito.....	411,397	105,891	12,372	2,888	217,633	93,683	171,319	2,138	3,531	18,363	127,471	1,276,272	2,153,334
Tuna, Grayfin.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	208
Tuna, Yellowfin.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	640,191
Turbot.....	19	415	2,222	1,377	1,218	756	7	107	148	568	1,675	1,845	12,290
Whiting, Ocean.....	2,164	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	194,014
Yellowtail.....	268	2,263	11,867	90,833	75,210	12,589	1,235	2,056	16,991	59	35	72	2,216
Miscellaneous Fish.....	50	91	331	182	65	.....	182	185	285	405	291	212	.....

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.....	2,603	1,912	2,597	3,742	1,290	510	842	1,029	543	200	679	749	16,126
Lober, Spiny.....	10,719	10,636	6,312							71,236	36,809	36,713	192,324
Mollusks:													
Abalone.....			75	200	75		50		100	35	175	10	710
Cham, Cockles.....	1,475	1,567	1,455	1,815	1,694	1,646	1,793	1,906	1,836	1,877	1,555	2,432	21,429
Oysters.....		4	2	47				34		45	130	155	413
Squid.....	5,995		291	1,155	168	1,684	29			36		110	9,455
Whelk.....	250												250
Total pounds.....	75,366,879	66,608,635	77,387,362	1,730,679	9,412,724	10,719,886	21,404,140	11,705,005	30,935,848	31,443,632	1,866,260	44,374,379	368,990,144

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Fishing Boat Landings from Waters South of International Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Barramunda.....	16,039	111,613	44,691	262	383	417	1,330	.....	6,426	22,298	6,203	94,780	305,323
Cabealla.....	32,966	4,436	.....	28	21,735	137	2,123	.....	.....	.....	532	779	22,762
Calfun, Pacific.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	273
Croaker.....	8,361	265	.....	.....	.....	.....	418	.....	.....	273	.....	.....	20,787
Halibut, California.....	27,737	34,983	75,077	22,735	8,298	.....	.....	.....	.....	1,316	1,698	.....	162,867
Mackerel, Spanish.....	223	2,611	92	.....	.....	.....	.....	.....	.....	2,695	6,483	4,993	16,117
Rock Bass.....	534	1,257	1,153	42	2,185	1,009	.....	.....	.....	1,077	1,182	828	8,653
Rockfish.....	91	3,265	150	.....	.....	.....	.....	.....	.....	1,354	5,652	.....	11,397
Sablefish.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	13,904	.....	.....	13,904
Sea-bass, Black.....	20,149	26,444	11,530	11,127	39,743	25,380	10,344	22,346	44,430	47,619	14,122	8,561	281,228
Sea-bass, White.....	199	801	4,984	2,028	130	154	.....	786	.....	6,283	982	2,180	15,500
Shack.....	829	1,090	1,925	1,775	240	.....	.....	.....	.....	175	427	945	8,713
Sheepshead.....	.....	146	.....	.....	495	70	.....	.....	.....	20	128	1,670	1,968
Skate.....	293	55	338	1,000	.....	.....	.....	.....	.....	.....	.....	.....	1,741
Sole.....	.....	99	32	.....	.....	.....	.....	.....	.....	.....	.....	.....	187
Swedish, Broadbill.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,580
Tuna, Bluefin.....	.....	64,163	138,138	40,985	732,333	2,587,829	203,332	49,111	50,213	312	884	.....	4,021,289
Tuna, Bonito.....	2,307	5,068	4,040	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,084,751
Tuna, Skipjack.....	17,736	.....	338,671	89	1,417,991	683,871	63,770	338,724	316,611	888,896	223,813	26,536	4,313,288
Tuna, Yellowfin.....	851,618	1,301,429	974,397	4,185,018	3,698,826	1,772,246	1,122,168	1,640,284	1,943,071	735,426	1,298,285	19,690,699	19,690,699
Whitefish, Ocean.....	.....	1,422	1,342	571	170	285	.....	.....	.....	145	1,694	737	5,726
Yellowtail.....	44,883	61,833	25,521	9,415	47,113	156,257	194,821	223,324	332,323	56,745	46,215	69,999	1,965,662
Miscellaneous Fish.....	.....	.....	.....	.....	70	.....	.....	.....	.....	.....	.....	144	144
Crustaceans:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lobster, Spiny.....	9,764	953	.....	.....	.....	.....	.....	.....	.....	.....	15,044	10,226	25,997
Total pounds.....	1,134,971	3,101,703	1,931,509	1,064,402	6,498,682	7,195,432	2,530,833	4,845,275	2,670,256	3,033,949	1,121,267	1,819,538	34,551,970

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
Cabealla.....	1,149	183	183	15,430	2,559	290	.....	.....	.....	.....	2,426	2,422	24,634
Corbina, Mench.....	24,870	15,865	25,356	14,553	559	.....	.....	.....	.....	.....	.....	.....	81,101
San-lan, Blue.....	779	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	779
San-lan, Totuay.....	340,755	216,761	363,631	46,213	113,070	36,902	.....	.....	.....	106,214	143,617	.....	1,569,163
Crustaceans:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Shrimp.....	.....	.....	94	1,520	4,877	3,109	.....	.....	.....	.....	7,343	323	17,270
Total pounds.....	367,553	232,806	389,164	72,716	121,065	40,291	.....	.....	.....	.....	117,985	146,489	1,493,072

Shipments from Japan													
Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Tuna, Albacore.....	112,853	155,502	378,793	126,144	166,410	.....	.....	101,714	255,070	199,614	1,193	.....	1,409,333
Tuna, Makahi.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	20,370	.....	.....	20,370
Tuna, Chumaki.....	90,368	.....	.....	.....	.....	.....	.....	75,360	321,481	29,369	.....	.....	445,552
Tuna, Skipjack.....	56,283	.....	491,296	133,318	.....	.....	.....	.....	337,033	1,045,947	.....	.....	2,064,625
Tuna, Yellowfin.....	.....	.....	.....	.....	.....	.....	.....	.....	8,628	.....	.....	.....	8,628
Total pounds.....	259,694	155,502	870,089	261,460	166,410	.....	.....	177,074	1,332,122	1,334,421	1,193	.....	4,538,208
Grand total.....	77,128,794	67,397,599	80,378,146	3,153,657	16,198,881	17,919,620	23,954,975	18,437,587	25,922,396	29,815,418	3,106,706	46,940,400	409,554,570

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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.....	483	2,808	54,333	65,202	33,376	8,716	30,049	17,350	8,002	2,444	1,230	.....	221,043
Carp.....	.....	.....	.....	142	.....	.....	.....	.....	.....	.....	.....	.....	142
Clupea, Pacific.....	.....	.....	.....	32	.....	1,075	.....	.....	.....	.....	.....	.....	2,051
Halibut, California.....	5,621	6,674	23,833	14,002	478	13,421	167	231	71	1,430	22,225	6,560	95,315
Horring, Pacific.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,533
Kingfish.....	.....	205	117	26	62	.....	27	.....	67	377	137	35	1,273
Macaroni, Horn.....	.....	1,343	.....	.....	54,081	.....	.....	.....	.....	.....	.....	.....	54,081
Macaroni, Pacific.....	679,304	528,089	422,330	591,431	1,794,527	203,537	1,055,770	708,149	98,853	312,945	1,362,488	1,200,461	9,020,448
Mullet.....	.....	39	.....	857	1,972	700	.....	235	103	.....	.....	.....	3,801
Opisthonema.....	333	34	22	.....	.....	.....	.....	.....	.....	.....	.....	.....	389
Pompano, California.....	.....	15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15
Rock Bass.....	2,346	3,351	3,183	3,777	2,488	4,781	20,754	48,093	17,755	8,560	7,381	6,392	117,779
Rockfish.....	6,988	1,365	29,727	19,549	13,994	29,993	20,285	4,177	6,973	5,439	9,774	5,634	155,699
Sablefish.....	.....	.....	1,465	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,465
Sardine.....	8,468,906	6,933,457	3,128,826	103,166	231,420	.....	.....	.....	95	396	.....	.....	15,855,299
Sedillo.....	890	.....	397	412	81	788	.....	.....	96	379	643	136	2,437
Son-chun, Black.....	748	225	1,364	.....	.....	1,043	199	.....	.....	1,199	365	616	3,819
Son-chun, Short-fish.....	16	.....	.....	16	60	.....	.....	.....	.....	.....	.....	.....	105
Son-chun, White.....	13,239	17,476	13,667	8,970	184	4,432	1,779	100	3,161	4,934	86	911	63,342
Shark.....	2,735	7,072	3,894	1,536	50	8,110	1,142	10	152	5,002	6,556	1,945	45,564
Shorthead.....	1,016	19	690	10	.....	517	.....	.....	397	1,570	1,477	.....	6,830
Skate.....	8,432	309	2,460	1,420	.....	1,191	85	.....	.....	.....	.....	.....	9,997
Squid.....	48	275	1,495	782	1,394	.....	1,232	.....	84	256	.....	205	7,575
Sole.....	.....	.....	21	16	.....	5	.....	.....	.....	.....	.....	.....	42
Swordfish, Pacific.....	.....	.....	.....	.....	.....	3,834	60,080	17,229	2,898	241	.....	.....	90,252
Swordfish, Atlantic.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,616
Tuna, Albacore.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,403
Tuna, Bluefin.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	177,555
Tuna, Bonito.....	150,043	149,832	36,298	6,153	17,871	4,866	100,335	25,719	31,331	26,181	42,861	65,530	635,786
Tuna, Skipjack.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3,322,410
Tuna, Yellowfin.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	178,475
Whiting, Ocean.....	2,891	165	3,035	2,860	12,033	5,965	.....	206	245	663	899	2,324	10,227
Yellowtail.....	225	267	2,663	2,860	.....	.....	8,843	14,021	16,750	9,990	186	.....	69,663
Miscellaneous Fish.....	.....	.....	.....	.....	230	.....	.....	.....	.....	.....	.....	.....	230
Crustaceans:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lobster, Spiny.....	1,539	431	11	.....	.....	.....	.....	.....	.....	32,304	29,097	16,756	80,688
Mollusks:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Octopus.....	.....	.....	.....	.....	.....	.....	.....	.....	19	.....	.....	.....	19
Total pounds.....	6,842,075	7,652,948	3,763,541	820,000	2,161,647	411,513	1,366,332	2,322,320	2,000,955	648,301	1,491,571	1,335,797	30,507,822

COMMERCIAL FISH LANDINGS IN SAN DIEGO REGION DURING 1936-Continued

Fishing Boat Landings from Waters South of International Boundary													Total pounds
Species	January	February	March	April	May	June	July	August	September	October	November	December	
Barracuda.....	13,849	5,939	7,117	7,574	16,152	55,677	73,584	87,024	25,939	45,818	54,736	35,090	474,659
Catfish.....	7,465	27,236	11,303	9,977	41,983	10,089	5,566					10,009	124,961
Catfish, Marine.....						17							17
Catfish, Pacific.....	1,619												1,619
Croaker.....	3,437	5,160	21,317	212	12,015	342					1,803		3,624
Halibut, California.....	35,157	53,832	31,668	47,815	22,092	44,442	99,316	86,745	115,663	22,600	21,151	44,722	623,386
Kingfish.....													166
Mackerel, Hico.....													1,300
Mackerel, Pacific.....	221	1,044	495	583	8,779	99,208	1,346,486	354,180	594		455	517	1,714,979
Mackerel, Spanish.....													1,435
Perch.....		136											136
Pompano, California.....							63						63
Rock Bass.....	2,444	1,699	6,178	3,179	11,761	16,156	18,998	8,199	318	2,864	6,421	4,459	82,087
Rockfish.....	20,867	16,165	10,019	9,274	2,281	546		7,949	12,441	8,312	8,965	233	89,065
Sablefish.....		205	129	219									563
Sardine.....			65						324	158			487
Sculpin.....		625		77	44								746
Sea-bass, Black.....	10,223	14,308	7,187	4,881	14,712	9,711	6,620	3,485	1,901	14,001	3,914	8,650	96,099
Sea-bass, White.....	175	260	1,112	1,611	4,129	14,626	55,284	49,933	65,899	9,235	15,114	8,983	224,463
Shark.....	247	282	1,620	265		1,266	1,056		156	953			5,119
Sheepshead.....	495	3,072	1,616	396	155	115		343	695	513	1,094	1,829	10,623
Skate.....	35			63					165	1,395			2,603
Smelt.....	245		121			17	296	109	49	329	863	35	2,034
Swordfish, Broadbill.....						2,622	1,896	18,842	190				23,704
Swordfish, Marlin.....								292					292
Tuna, Bigeye.....	182,789	8,618	102,569	526,131	882,569	811,264	421,439	1,677,146	2,981,737	3,703,175	2,056,183	905,331	14,356,966
Tuna, Yellowfin.....	3,444,672	2,464,354	4,134,334	4,499,647	6,615,901	3,964,923	7,296,499	3,771,486	4,154,206	3,467,105	2,218,566	6,879,206	27,928,714
Whalefish, Ocean.....	2,397	3,071	2,509		130	46			500	992	974	232	4,468
Yellowtail.....	261,545	198,569	126,689	612,419	933,473	259,646	1,296,975	1,968,960	279,850	222,728	440,764	1,086,669	7,715,855
Miscellaneous Fish.....						431	240	123					796
Crustaceans:													
Lobster, Spiny.....	559,658	223,060	142,387							5,450	56,680	105,296	865,679
Total pounds.....	4,543,351	3,146,712	6,982,047	6,135,154	8,972,954	4,721,794	11,791,037	8,533,022	7,699,762	9,726,248	6,071,663	8,852,672	86,906,746

Shipments from South of International Boundary													
Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Cabrilla.....												310	310
Cabina, Mexican.....												1,502	1,502
Maskett, Spanish.....												420	420
Sea-lion, TONGVA.....		5,897	6,785								16,722	25,716	54,637
Crustacea:													
Shrimp.....											4,489		4,489
Total pounds.....		5,897	6,785								16,672	27,046	60,886
Grand total.....	11,095,326	10,808,087	10,743,779	6,658,184	11,093,911	5,133,297	12,757,589	10,857,552	9,870,517	10,379,038	7,579,908	10,313,513	117,478,404

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
Corbina, Mexican.....			69,363		69,363
Cultus, Pacific.....	968,080	120	58		968,258
Dolphin.....	1,993				1,993
Eel.....	190				190
Flounder, Starry.....	974,770				974,770
Flying Fish.....	41,880				41,880
Grouper.....			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.....	4,827				4,827
Pompano, Mexican.....			162		162
Rock Bass.....	230,969		94,031		325,000
Rockfish.....	4,131,547	125	159,542		4,291,214
Sablefish.....	735,499				735,499
Salmon.....	6,909,897				6,909,897
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, Totuava.....			1,171,623		1,171,623
Sea-bass, White.....	263,195		336,224		599,419
Sea-trout, California.....	57				57
Shad.....	652,657				652,657
Shark.....	907,414		6,791		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.....	3,559		490		4,049
Tomcod.....	1,056				1,056
Tuna, Albacore.....	2,020,016	1,176,754		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		45,219,944	7,594,903	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.....	393,242		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.....	223,955				223,955
Clam, Soft-shell.....	92,915				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	10,540,622	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	Del Norte and Eureka Region	Sacramento Region	San Francisco Region	Monterey Region	Santa Barbara Region	Los Angeles Region	San Diego Region	Total pounds
Anchovy.....			102,190	44,205		79,624		226,229
Burbot.....					91,574	1,785,716	1,001,200	2,988,490
Cabrilla.....			3,465	4,429	299			8,193
Carp.....		35,631						35,631
Catfish.....		312,614						312,614
Codfish.....								
Codfish, Mexican.....			557,721	115,656	884	69,363		693,624
Cutthroat.....	272,662		977,771			509	48	998,558
Dolphin.....			43	15		1,524	469	1,991
Eel.....						123		123
Flounder, Starry.....	2,261		960,332	12,172				974,779
Frying Fish.....						41,880		41,880
Groper.....						2,226	53,327	55,553
Hake.....			61,062	40				61,102
Hallibut, California.....			8,945	18,636	311,319	368,689	496,143	1,205,251
Hallibut, Northern.....			83,342					83,342
Hardhead.....	233,583	54,162						287,745
Herring, Pacific.....	6,495		613,391	4,335	29	7,219		627,469
Knifefish.....			6,166	133,092	75	504,665	712	644,914
Mackerel, Horse.....				42,163		9,499,737	98,106	9,641,026
Mackerel, Pacific.....			11,502	2,619,549	31,678	53,475,756	3,400,256	60,536,791
Mackerel, Spanish.....						19,450	7,672	27,122
Mullet.....						3,030	5,473	8,503
Perch.....	10,903		98,666	30,848	5,724	91,311	3,147	240,569
Pike.....		499						499
Pompano, California.....				101		4,669		4,770
Pompano, Mexican.....							162	162
Rock Bass.....					12,360	124,017	187,723	324,000
Rockfish.....	133,417		1,636,657	2,103,296	366,344	543,768	303,247	4,555,729
Sablefish.....	318,371		79,467	4,178	10	137,319	184	735,469
Salmon.....	3,834,568	974,871	1,298,414	891,083	927	0		6,999,863
Sard, Dill.....			445,168	17,762	100	8,153	9,407,749	10,471,032
Sardine.....		58,463,100	196,874,273	278,194,289	133	128,003		573,770,765
Sculpin.....								
Sea-bass, Black.....					88	11,800	240,217	252,105
Sea-bass, Shortfin.....								
Sea-bass, Tautog.....								
Sea-bass, White.....			11,634	28,249	72,415	73,541	411,789	595,410
Sea-trout, California.....			20	37				57
Shad.....		652,145						652,145
Shark.....	1,687	9,003	398,032	122,353	120,477	184,074	75,077	914,735
Shoalhead.....					14,054	57,488	9,024	81,566
Skate.....			377,333	11,569	44,128	12,033	1,386	447,739

REGION OF LANDING OF COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1937--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
Sardine.....	13,662		322,753	91,897	23,386	225,776	4,636	652,070
Sole.....	192		7,868,726	132,026	250,381	2,843	51	8,302,222
Spratling.....		10,826						10,826
Snapper.....		7,892						7,892
Swordfish.....					101,532	294,346	227,098	623,307
Swordfish, Marine.....					157	5,892		6,049
Turbot.....			1,652		62			1,714
Tuna, Albacore.....	256		699	362,664		1,833,634	320,317	4,761,759
Tuna, Bluefin.....				10	8,144	11,287,047	1,399,131	12,694,332
Tuna, Bonito.....				264	10,988	8,131,144	2,436,672	7,868,073
Tuna, Oriental.....						325,632		325,632
Tuna, Skipjack.....					31	23,178,064		23,178,095
Tuna, Yellowfin.....					193	27,000,050	65,493,461	92,493,695
Turbot.....			66,317	2,616	36			75,969
Whitedail.....	75,788		8,748	1,641				86,177
Whitedail, Ocean.....					13,251	16,801		27,182
Yellowtail.....					11	846,832	6,826,612	5,371,473
Yellowtail, Marine.....					2,643	7,465		10,108
Macellaneous Fish.....	14,867	15	138,592	310				163,332
Crustaceans:								
Crab.....	192,030		1,433,821	12,106	44			1,627,983
Crab, Rock.....			192		5	1,513		1,710
Lobster, Spiny.....					113,396	294,565	1,011,332	1,329,293
Shrimp.....			1,106,747	3,041		12,798		1,124,586
Mollusk:								
Adams.....				1,433,200	1,426,247	1,738		2,863,175
Cham, Cockles.....			719			27,842		28,561
Cham, Oyster.....	480		2,916					3,396
Cham, Perna.....				14,087	200,668			214,755
Cham, Soft-shell.....	39		92,430					92,469
Cham, Washington.....	18,497		3,132					21,629
Muscle.....				1,499				1,499
Octopus.....	865		3,663	16,166	278	138		20,000
Oyster, Eastern.....	6,637		337,969					344,606
Oyster, Japanese.....		26,222	630,523					656,745
Oyster, Native.....			44,711		6			44,717
Scallop.....			199					199
Squid.....			500	464,739	15	30,410		505,652
Total pounds.....	5,337,151	60,580,327	215,110,249	287,570,749	3,306,533	457,422,004	123,276,533	1,162,604,746

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MONTHLY COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1937

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Anchovy.....	6,668	90	14,400	20,795	53,970	22,323	11,845	5,944	12,540	2,145	20,045	33,545	226,222
Barramunda.....	98,651	100,574	54,550	408,017	480,309	307,369	264,134	237,277	240,141	266,872	230,737	131,335	2,538,490
Calappa.....	314	262	322	1,146	662	147	741	1,991	1,096	1,354	96	129	8,189
Celibris.....	11,691	41,319	32,054	5,816	12,031	6,276	15,235	.....	.....	.....	6,343	.....	143,719
Cora.....	.....	2,848	12,487	5,113	7,033	721	22	.....	.....	.....	.....	.....	18,651
Cutlass.....	10,000	3,866	26,177	52,543	4,377	2,313	2,694	2,132	55,564	30,711	51,446	43,082	318,571
Cutlass, Mexican.....	22,087	15,020	9,434	13,963	5,182	.....	.....	.....	.....	.....	.....	738	69,343
Cutlass, Pacific.....	86,327	85,347	75,966	43,714	35,496	63,096	72,334	131,702	145,078	107,001	44,241	73,942	958,538
Dolphin.....	.....	.....	.....	.....	.....	.....	.....	632	1,841	.....	.....	.....	1,963
Ed.....	.....	.....	.....	.....	.....	.....	.....	31	90	109	18	.....	160
Flounder, Winter.....	138,100	91,473	71,475	34,723	13,474	50,134	136,340	306,261	64,903	11,132	10,094	5,841	974,770
Fluke.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Groupers.....	5,681	16,466	15,834	3,282	12,311	3,143	.....	843	100	.....	2,011	1,965	61,553
Halibut.....	2,480	4,186	4,276	3,346	.....	.....	.....	.....	.....	.....	.....	.....	41,880
Halibut, California.....	112,789	126,464	161,189	104,521	54,671	114,040	108,036	86,739	91,365	31,200	71,841	84,168	1,206,051
Halibut, Northern.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hardhead.....	3,362	7,505	5,155	3,041	5,096	7,660	17,792	22	4,810	5,860	11,362	.....	316,555
Herring, Pacific.....	276,412	253,406	34,408	853	2,434	1,000	220	.....	.....	.....	.....	.....	541,422
Knapfish.....	66,837	66,296	104,379	78,857	32,365	2,809	26,101	42,341	45,323	53,638	6,307	75,550	631,350
Marked, Horse.....	110,002	1,000,549	32,088	33,443	356,277	1,026,560	1,222,063	194,887	547,948	334,278	1,406,191	106,150	5,641,029
Marked, Pacific.....	3,144,945	475,723	443,580	317,412	4,029,016	2,434,642	6,536,063	13,548,267	10,380,099	8,527,141	1,404,421	1,557,072	60,936,791
Marked, Spanish.....	4,513	1,367	1,220	.....	139	.....	.....	.....	750	4,241	6,495	8,215	27,122
Mullet.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Parr.....	12,574	11,744	41,130	73,576	2,346	3,052	17,311	14,022	15,482	21,058	16,738	17,696	249,580
Pike.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pompano, California.....	903	16	693	420	.....	.....	.....	.....	.....	.....	.....	.....	4,827
Pompano, Mexican.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Rock Bass.....	5,671	3,792	3,327	5,376	41,675	50,345	42,382	61,380	22,015	50,686	31,534	12,660	325,000
Rockfish.....	248,129	348,309	606,715	409,563	207,062	280,515	241,332	325,331	381,001	377,570	401,025	442,520	4,291,214
Sablefish.....	12,707	35,165	52,360	67,609	46,474	175,766	115,766	74,275	34,725	82,118	13,979	1,060	738,499
Salm.....	8,722	12,085	48,127	233,234	603,304	1,361,775	1,815,296	1,591,473	1,172,563	.....	40	238	9,900,867
Sand Dab.....	31,151	38,614	61,614	49,977	32,945	1,073	3,479	62,663	35,494	49,051	47,332	40,921	516,155
Sculpin.....	95,881,241	142,944,241	118,548,873	8,745,209	594,565	435,218	490,483	10,244,242	71,240,962	133,981,693	142,878,421	164,328,274	891,430,335
Sculpin.....	9,409	11,292	12,715	11,160	5,417	15,762	14,662	13,611	12,663	9,802	4,771	12,154	177,313
Snow-lake, Black.....	26,742	27,832	43,304	32,639	17,810	34,033	100,647	143,818	100,534	72,588	20,000	50,873	715,544
Snow-lake, Short-fin.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Snow-lake, Totawa.....	9,579	88,964	165,428	137,011	108,267	74,569	.....	.....	.....	.....	291,480	297,664	1,171,623
Snow-lake, White.....	4,040	12,319	17,242	12,366	44,413	25,727	40,404	36,691	177,226	95,166	82,852	36,721	499,419
Snow-trout, California.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Shad.....	72,315	115,802	105,407	57,229	65,181	1,363	38,433	38,154	66,431	62,262	60,808	104,200	642,057
Shad.....	8,701	9,861	15,564	8,343	2,423	1,072	1,447	3,174	806	11,108	13,596	7,529	41,466
Shiner.....	36,700	52,039	40,290	61,176	11,860	18,376	15,376	23,241	31,398	29,209	62,213	76,811	447,392

MONTHLY COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1927—Continued

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Snell:	53,391	53,339	62,857	66,529	68,196	68,209	53,033	70,180	65,512	52,792	40,382	38,159	682,670
Sole:	420,039	403,092	818,461	681,772	691,751	635,202	746,292	750,323	919,787	1,024,920	912,153	478,081	8,360,222
Spotted-tail:	1,215	4,227	2,097	1,173	263				628		41	1,270	10,528
Sucker:	2,048	1,186	663	177							1,773	2,918	7,883
Swordfish, Broadbill:				1,344		46,826	129,630	194,976	108,119	131,808	12,904		625,307
Swordfish, Marlin:							319	2,340					2,659
Tomcod:	323	234	91	85	105	18							1,056
Tuna, Albacore:			156,377	184,708		704,135	1,093,471	525,428	1,113,699	405,499	350,417	211,861	4,718,709
Tuna, Bluefin:			436,618	2,355,480	5,062,637	1,739,402	1,704,020	1,241,928	138,818	14,499	21,630	12,099,332	12,099,332
Tuna, Bonito:			1,291,414	641,446	718,548	1,161,386	881,164	1,336,961	568,781	862,498	236,650	7,809,070	7,809,070
Tuna, Oriental:			82,019	18,289	18,869	103,189	27,174						325,532
Tuna, Skipjack:	561,836	246,915	1,612,546	2,154,030	5,497,115	4,705,734	6,583,804	8,607,133	13,017,214	8,674,835	3,569,033	1,613,988	54,404,595
Tuna, Yellowfin:	4,463,118	4,178,705	6,003,543	7,803,136	13,251,132	8,996,176	10,982,332	12,866,328	6,300,784	3,275,613	4,003,077	9,775,311	92,496,036
Turbot:	3,642	3,370	8,514	17,653	3,670	1,170	1,472	6,512	3,785	6,005	10,254	7,883	78,990
Whiting:	1,824	7,284	13,168	13,949	19,963	18,384	30,406	1,754	161				86,117
Whiting, Ocoa:	5,182	7,148	2,277	2,830	299	710	158	1,650	1,190	6,861	15,560	13,614	52,188
Yellowtail:	79,629	256,359	140,944	531,014	318,254	553,310	575,144	1,238,777	713,083	427,126	407,580	142,307	3,371,473
Miscellaneous Fish:	10,945	14,363	16,136	14,338	9,649	7,014	15,451	15,021	10,870	20,073	15,332	15,439	143,252
Crustaceans:													
Cray:	200,136	221,566	62,368	76,902	92,271	48,584	66,770	52,968			372,848	450,010	1,627,068
Cray, Rock:	100	866	300	233	5		122	20		12	27	121	1,710
Lobster, Spiny:	236,195	234,282	230,444								146,863	211,992	259,982
Shrimp:	36,966	47,996	83,438	97,685	97,622	120,829	100,324	175,561	154,353	60,155	57,992	38,341	1,126,586
Mollusk:													
Abalone:	155,701		39,550	223,428	304,689	315,551	482,782	306,751	337,484	170,137	76,647	348,085	2,860,175
Clam, Cockle:	2,087	2,465	2,783	2,333	3,186	2,683	7,738	3,073	314	2,108	1,733	2,303	26,332
Clam, Gaper:	882	136	130	230	310	440	492	330	168			154	3,396
Clam, Pismo:	14,220	14,473	16,564	16,071	18,943	18,656	23,177	26,144	19,900	18,193	18,564	18,556	203,954
Clam, Reddish:	4,694	4,357	12,647	4,454	10,317	8,748	7,741	8,982	7,735	9,650	7,915	6,617	92,913
Clam, Washington:	2,547	2,541	2,556	2,556	336	390	396	342	2,435	1,094	3,559	3,900	21,429
Mussel:	690	700	100										1,490
Octopus:	993	2,301	5,071	3,073	2,742	3,527	1,483	1,140	2,433	284	286	237	23,884
Oyster, Eastern:	25,194	24,030	45,726	32,085	20,949	15,999	15,960	29,320	32,223	33,075	37,339	30,788	354,649
Oyster, Japanese:	41,881	30,333	63,812	71,021	60,049	41,517	37,443	26,518	47,678	71,103	100,524	107,369	680,081
Oyster, Native:	5,466	7,082	8,381	11,266	1,247	5,971	4,312	1,254		290	179	1,329	44,217
Scallop:	1,560	53,555	5,553	1,253	13,579	30,865	101,163	90		100			180
Total pounds:	107,160,283	103,270,919	130,445,217	156,943,699	30,022,104	28,690,284	35,671,569	54,305,783	110,274,896	160,556,233	162,687,023	183,268,618	1,182,094,746

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
Codfish, Pacific.....	28,658	61,217	54,336	13,303	2,103	2,461	10,550	30,472	19,072	31,546	2,696	23,383	272,662
Flounder, Starry.....	893	837	241	251	59							13	2,361
Haddock, Northern.....			1,073	32,332	41,996	47,870	100,338	32	4,810	5,360			233,363
Herring, Pacific.....	2,433	6,070											8,493
Perch.....		1,011	348	9,324	1,093				30			15	10,493
Rockfish.....	4,754	10,422	12,171	14,974	11,247	14,990	33,370	40,231	9,403	20,402	1,617	2,267	133,417
Sablefish.....		4,305	12,160	30,050	41,433	170,679	76,139	68,134	36,877	76,094	1,609		318,371
Salmon.....				21,764	300,586	497,713	1,187,419	1,313,802	640,062				3,834,508
Shark.....				69			182	447	77	41	330		843
Snout.....	3,208				271	835	180	1,632	2,383	910	445		1,312
Sole.....			30				145	13					193
Tuna, Albacore.....													358
Whitefish.....	1,824	6,473	10,018	11,000	17,492	16,322	9,564	1,454	125	558			75,788
Miscellaneous fish.....	1,546	356	563	258	46	44	893	2,037	2,357	3,163	330	3,335	14,857
Crustaceans:													
Crab.....	24,868	18,876	1,533	2,376	27,176	27,782	36,882	27,514				18,112	192,020
Mollusks:													
Clam, Gaper.....	480												480
Clam, Nuttall.....									23	41	18		79
Clam, Washington.....	2,327	2,314	2,314	2,663					2,179	983	2,841	2,843	18,497
Oysters.....	212		29	87	41		49		29	63		23	363
Oyster, Eastern.....													6,657
Total pounds.....	65,265	106,099	95,791	138,655	446,610	748,019	1,438,991	1,363,904	717,404	143,077	14,440	58,196	5,307,151

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COMMERCIAL FISH LANDINGS IN SACRAMENTO REGION DURING 1927

Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Carp.....	3,130	2,844	12,407	3,333	3,032	721	22	5	585	.....	4,982	7,154	36,031
Catfish.....	9,009	2,866	28,177	32,343	4,317	2,313	2,964	2,132	55,564	10,717	51,546	43,982	318,071
Redfish.....	5,168	2,503	6,334	2,350	3,030	1,500	.....	.....	935	8,040	11,346	8,435	54,162
Pike.....	43	.....	219	152	.....	.....	.....	.....	.....	.....	24	56	479
Salmon.....	6,723	12,076	20,756	16,256	85,971	30,739	.....	206,388	832,381	.....	49	835	974,871
Steelhead.....	8,960,000	3,477,266	.....	.....	.....	.....	.....	2,733,059	9,479,150	13,548,350	9,558,700	10,036,550	58,463,190
Shad.....	.....	113	12,337	17,283	622,610	.....	.....	60	1,637	7,288	.....	.....	632,845
Shark.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	9,005
Spratling.....	1,515	4,227	2,607	1,172	265	.....	.....	628	.....	.....	41	1,270	10,826
Sockeye.....	2,048	1,196	662	177	.....	.....	.....	.....	.....	18	1,773	2,038	7,583
Miscellaneous fish.....	.....	2	.....	.....	11	.....	.....	.....	.....	.....	.....	.....	13
Mollusk:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Oyster, Japanese.....	20,222	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	20,222
Total pounds.....	9,047,606	3,512,366	83,090	95,427	715,147	35,327	3,016	3,024,433	10,071,283	13,664,219	9,628,478	10,700,123	60,980,527

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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
Anchovy.....				3,100	51,750	17,350	11,100	5,300	11,700	1,400			102,100
Coho.....	300	100	150	1,000	600		400	450		410		100	3,410
Cutthroat Trout.....	48,113	17,029	18,795	27,472	31,401	38,459	57,322	95,431	114,562	65,009	18,767	24,039	377,631
Salmon.....			4	12				18	20				52
Yellowtail.....	10,917	9,284	69,474	33,828	13,279	30,010	136,180	308,100	64,682	10,611	18,330	2,733	960,317
Hake.....	2,450	6,783	3,313	3,340			150	9,230	13,931	10,620	6,180	3,130	61,967
Haddock.....	2,008	704	743	918	464	42	316	134	141	185	896	3,110	8,145
Halibut.....				6,842	11,040	26,823	37,541						83,142
Herring.....	270,175	226,053	34,456	851	9								513,561
Kingfish.....				1,487	523		1,470	1,322	960	90	6	360	6,163
Macarel, Pacific.....	225						85	775	2,087	4,060	735	2,672	11,502
Petfish.....	6,009	7,041	25,015	22,762				3,318	3,746	9,075	4,322	5,820	88,664
Rockfish.....	37,214	32,973	171,222	105,944	88,776	92,600	88,880	91,544	127,230	111,872	98,800	33,540	1,005,832
Subfish.....	658	1,540	1,018	14,173	2,473	3,441	36,620	6,629	833	2,350		300	73,467
Sablefish.....													
Sea Bass.....	10,300	37,611	33,201	18,782	31,001	37,956	37,248	48,708	36,700	16,135	6,375		1,208,414
Sea Lion.....	9,059,800	6,546,700	175,215	57,560	67,300	281,100	404,390	5,140,110	33,321,385	52,314,720	43,917,679	45,326,943	195,874,273
Sea Trout, California.....								140	11,272	75			11,584
Shad.....				220	55								275
Starfish.....	39,188	80,225	50,305	8,118	855	2,362	3,204	4,800	13,812	28,169	43,074	112,321	298,632
State.....	11,083	44,221	31,200	33,640	4,580	13,683	16,000	21,605	28,743	13,301	37,014	70,085	377,333
Snail.....	24,027	31,560	45,339	34,961	33,233	27,331	22,036	35,960	23,910	20,183	17,968	12,335	325,733
Sole.....	306,804	875,627	770,000	895,847	945,033	885,562	718,718	738,876	825,401	990,611	480,731	460,022	7,362,314
Tomcod.....	523	254	91	85	105	19							1,096
Tuna, Albacore.....													
Turbot.....	3,539	1,710	7,721	15,000	3,005	1,170	1,475	8,311	3,785	5,973	8,661	6,961	68,317
Whitefish.....		807	2,013	1,363	1,623	1,640	203	200					8,748
Miscellaneous fish.....	9,400	13,948	18,790	18,988	9,169	6,020	14,800	11,700	7,546	16,791	11,071	8,813	138,562
Crustaceans.....													
Crab.....	173,036	205,720	30,620	74,412	63,087	21,044	32,882	15,454			365,348	409,328	1,423,521
Crab, Rock.....			50				122	20					192
Shrimp.....	35,827	47,506	72,967	87,209	97,622	123,329	150,324	175,501	155,108	67,728	50,340	37,796	1,108,747

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
Mollusc:													
Clam, Cockle.....	22	55	94	53	119	50	106	85	51	19	37	40	710
Clam, Gaper.....	192	136	139	250	229	310	449	492	330	108	164	154	2,916
Clam, Soft-shell.....	4,506	4,157	12,047	4,454	10,312	8,748	7,741	8,932	7,703	9,468	7,600	6,617	95,856
Clam, Washington.....	220	209	281	231	328	380	366	342	250	66	218	181	3,132
Oyster.....	244	117	168	122	914	339	307	160	197	79	66	87	3,968
Oyster, Eastern.....	35,194	24,630	45,726	32,683	20,640	15,999	15,960	29,550	32,125	33,673	31,972	49,418	357,562
Oyster, Japanese.....	21,439	30,533	43,813	71,021	60,080	41,517	37,445	26,918	47,678	71,100	100,824	107,599	650,869
Oyster, Native.....	3,466	7,046	8,281	11,296	1,947	5,571	4,313	1,224	990	179	1,329	1,329	44,211
Scallop.....	325								100				100
Squid.....									125				125
Total pounds.....	11,041,356	7,734,796	1,687,564	1,343,636	1,233,988	1,017,722	2,373,125	6,902,123	34,994,669	53,846,067	45,303,163	46,898,723	215,104,442

Fishing Boat Landings from Waters North of State Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Calves, Pacific.....						120							120
Rockfish.....						123							123
Sand Dab.....						150							150
Salmon.....						5,417							5,417
Total pounds.....						5,607							5,607
Grand total.....	11,041,356	7,734,796	1,687,564	1,343,636	1,233,988	1,023,330	2,373,125	6,902,123	34,994,669	53,846,067	45,303,163	46,898,723	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
Anchovy.....		20	14,400	15,115		3,770			840			10,000	44,205
Cabezon.....	114	102	153	99	23	37	344	811	1,858	778	36	15	4,429
Calico, Parake.....	17,330	6,668	6,602	4,284	1,025	2,040	3,473	5,797	9,076	10,763	22,169	25,809	115,996
Ed.....								15					15
Flounder, Starry.....	1,320	1,292	1,756	4,658	145	121		71	151	517	1,548	563	12,172
Hake.....							40						40
Habitat, California.....	1,432	4,397	4,746	1,714	185	573	1,054	209	491	305	2,096	1,794	18,986
Herring, Pacific.....		699	2,425	1,900	229								4,253
Kingsfish.....	6,154	6,773	33,180	28,379	8,041	1,848	3,809	5,709	1,145	10,456	10,006	16,040	132,902
Macarel, Hare.....	35	272	199	1,424	13,296	7,256	7,116	2,787	7,719	960	1,943	83	42,163
Macarel, Pacific.....	260,022	76,826	8,901	6,399	22,371	38,876	216,446	373,941	287,135	157,702	96,477	74,845	2,076,849
Perch.....	84	418	8,324	23,028				4,079	1,394	787	355	302	30,848
Pompano, California.....			15	16									31
Rockfish.....	141,038	168,968	270,209	185,543	37,793	106,718	96,892	108,394	198,135	196,138	224,222	310,633	2,105,286
Solofish.....	600		219	1,029	627	337	212	27	29		19		4,178
Salmon.....			27,231	255,274	139,091	371,565	97,862						891,963
Sand Dab.....	15	140	134	136	430	2,512	1,869	2,801	1,490	1,187	329	620	12,752
Sardine.....	41,664,346	45,102,035	1,540,854	278,399	324,825	158,125	70,350	2,348,555	28,435,197	69,575,315	37,624,579	52,079,014	279,164,399
Sea-bass, White.....	360	36	2						21				384
Sea-bass, White.....	360	42	96	2,054	62				15	10,740	4,801	84	28,340
Sea-trout, California.....									15				15
Shad.....			18	19					24				51
Shack.....	21,083	10,002	5,414	1,003		373	263	254	8,094	7,241	24,625	27,389	122,253
Skate.....	46	2,152	2,370	2,411	275	1,027	384	168	215	207	786	1,038	11,500
Smelt.....	1,013	4,138	617	2,723	2,162	17,820	13,110	14,612	14,850	10,782	6,809	3,007	11,897
Sole.....	1,485	8,079	26,824	44,829	1,084	1,640	883	1,664	16,171	6,303	11,084	6,472	133,028
Tuna, Albacore.....									462,083	120,581			582,664
Tuna, Bluefin.....									19				19
Tuna, Bonito.....	155	11		2,813	40				20	25	15		264
Turbot.....	8	1,600	791						36	39	1,653	846	2,516
Whitefish.....		9	207	848	122	139			36				1,041
Miscellaneous Fish.....			104						80	30	12		310
Crustaceans.....													
Crab.....	172	426	1,205	212	8	8	6				7,000	2,570	12,108
Shrimp.....			892	416					157	37	9,2	547	3,041
Mollusk.....													
Abalone.....	11,000		28,850	130,550	192,750	180,075	277,900	194,850	167,000	52,875	16,200	132,150	1,433,200
Clam, Pismo.....	1,031	1,658	936	2,082					352	1,802	2,536	3,000	14,987
Mussel.....	606	700	190										1,496
Ostrea.....	414	2,310	5,338	1,830	1,746	3,153	587	1,046	2,348	134	114	136	10,160
Squid.....	1,365	17,615		915	10,545	50,903	101,105		470		12,968	266,251	464,759
Total pounds.....	42,233,091	45,424,931	1,960,020	993,118	765,853	950,608	998,208	3,322,706	29,655,723	70,207,854	38,072,944	52,977,553	287,570,749

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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		2,606	50			63,890	17,904	17,882		91,574
Cadomus.....			18		20	99			70	64		14	295
Calappa, Pacific.....	10	67	880			10			46	213	258		884
Hallibut, California.....	14,956	16,109	16,914	11,969	25,647	24,714	33,331	22,730	30,261	26,212	45,694	20,372	311,219
Herring, Pacific.....		9					10						20
Kingfish.....													75
Mackerel, Pacific.....	409	1,062	954	17	1,465	504	729	1,617	8,869	9,421	3,864	3,746	31,678
Perch.....	98	141	817	1,080	25	2		824	1,116	675	24	40	5,754
Rock Bass.....	228	431	750	762	293	3,053	1,344	338	1,454	327	1,420	820	12,360
Rockfish.....	32,616	44,604	29,012	28,847	23,270	32,832	13,031	20,949	27,638	13,416	26,437	22,856	396,544
Sablefish.....					622				10				10
Salmon.....					100								100
Sand Dab.....							153	71	245				469
Sardine.....	1	3	1	84									89
Sealion.....													133
Shad, Pacific.....	109	27	2,484	260	54	453	1,333	123	3,643	1,853	1,251		11,860
Southern, Black.....	2,364	3,043	3,403	3,027	109	1,256	1,378	248	16,212	17,013	17,215	5,583	72,415
Southern, White.....	2,401	2,771	10,140	14,109	23,468	8,003	11,086	8,643	5,111	9,439	8,157	8,499	124,477
Shark.....	3,190	4,136	2,541	140	462	220	254	377	60	139	441	1,869	16,054
Sheepshead.....	4,770	3,060	5,170	8,577	2,380	2,725	2,781	2,710	2,881	4,000	3,353	3,472	44,128
Skate.....		32	915	4,504	7,380	4,577	925	794	1,428	430	664	603	23,786
Squid.....	12,220	18,385	18,054	39,537	54,710	42,205	26,352	18,075	27,883	18,880	10,420	9,052	236,281
Swordfish, Bonellii.....					3,812			49,007	21,509	3,200	3,842		191,022
Swordfish, Marlin.....							117						117
Tuna, Albacore.....							20	43					63
Tuna, Bluefin.....								3,423	2,531				5,954
Tuna, Bonito.....	25							4,492	9,578	1,950	225		19,988
Tuna, Skipjack.....	2								19				21
Tuna, Yellowfin.....									19				19
Trout.....													26
Whitefish, Ocean.....	145	255	400	440			137	122	612	304	7,832	2,806	11,233
Yellowtail.....			11										11
Miscellaneous Fish.....			99		408		50	103	231	107	50	860	2,045
Crustaceans:													
Crab.....		44											44
Crab, Rock.....					5								5
Lobster, Spiny.....	13,425	12,127	9,594							33,253	24,075	21,840	113,888
Mollusks:													
Abalone.....	124,701	10,700	183,908	113,329	135,479	204,882	111,901	190,384	77,162	60,440	215,360		1,426,247
Clam, Pismo.....	12,565	12,817	15,628	15,989	15,943	18,696	23,217	19,554	16,801	16,428	15,596		206,898
Octopus.....	30		128	24	38	49	0						278
Oyster, Native.....		6											6
Squid.....						13							13
Total pounds.....	224,045	123,201	134,967	324,881	292,497	279,515	347,255	278,796	417,516	267,465	251,143	245,242	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.....	6,068	70		2,580	2,179	2,203	743		644		345	20,945	78,824
Barracuda.....		40	14,093	274,201	306,591	256,779	196,751	106,135	135,073	18,754	30,882		1,332,286
Calico Parrot.....	16	206	30					301	122		451	19	899
Dolphin.....								1,223					1,524
Eel.....													153
Flying Fish.....				627	10,427	2,100	10,714	11,451	5,769	783			41,880
Hake.....		1,416	816										3,232
Hallibut, California.....	23,963	34,643	82,800	65,033	46,191	28,379	12,829	15,898	6,139	5,564	5,038	9,499	340,656
Kingfish.....	39,333	33,512	71,770	38,082	22,708	29,081	22,610	30,901	42,088	34,111	30,971	32,809	604,865
Macaw, Horn.....	110,037	981,797	91,880	41,737	281,333	1,011,634	1,313,486	192,100	540,120	1,416,133	109,067		6,480,757
Macaw, Parrot.....	2,702,218	237,097	368,476	347,214	2,785,307	1,617,739	5,839,179	12,917,003	9,987,141	8,332,951	7,281,825	3,139,955	55,473,736
Mullet.....			665	624	189	1,285			257				3,620
Perch.....	6,136	2,825	6,416	6,373	1,256	4,512	8,766	10,570	9,062	10,963	11,711	11,324	91,211
Pompano, California.....	902	16	146	279	62	320	627	381	746	44	4	3	4,669
Rock Bass.....	3,003	2,313	3,038	5,278	15,777	18,473	13,859	18,114	7,174	9,494	6,841	2,479	105,545
Rockfish.....	20,562	33,373	75,386	21,633	11,714	8,558	3,353	19,267	11,757	21,501	42,192	64,456	345,768
Sablefish.....	11,449	30,320	42,083	21,437	1,937	1,909	250	1,466	965	2,934	12,354	9,295	137,319
Salmon.....		8											9
Sand Dab.....	803	839	1,433	550	605	116	341	754	484		620	350	3,582
Sardine.....	33,550,530	82,009,915	112,557,779	8,416,565	63,475	9,935	5,961	1,232	5,099	103,222	51,631,738	56,214,007	347,460,333
Sculpin.....	9,165	9,201	10,460	10,997	9,991	14,630	14,553	15,094	12,523	9,273	6,194	9,018	120,003
Sea-Loon, Blue.....	50	279	227	729	1,080	672	1,072	484	240	78	163		3,250
Sea-Loon, White.....	739	707	5,381	6,959	2,963	2,846	940	1,137	20,123	4,353	3,001	15,393	64,857
Shark.....	7,436	11,580	10,043	28,910	24,280	20,518	22,432	21,468	8,809	3,330	8,128	2,786	182,054
Shoemaker.....	1,847	4,820	11,052	7,793	1,440	140	1,071	2,488	715	8,187	12,386	3,741	56,156
Skate.....	4,800	4,880	3,546	6,528	769	569	121	694	490	199	746		12,635
Snail.....	21,723	16,403	16,486	23,164	16,916	17,709	16,668	17,154	23,892	19,956	18,412	18,229	223,736
Sole.....	123	359	561	559	391	293	180	802	330	133	90	69	3,843
Swordfish, Broadfin.....				1,109	22,391	60,883	71,604	44,303					202,546
Swordfish, Mottled.....					319	2,082							3,403
Tuna, Albino.....						413,602	430,600	290,264	1,670	668			1,199,061
Tuna, Bluefin.....				31	5,151,373	4,676,530	823,217	1,166,574	982,051	135,473	14,454	20,660	10,990,993
Tuna, Bonito.....	112,864	7,682	14,439	1,354,772	394,968	494,474	491,244	490,676	697,431	232,294	96,830	138,105	4,285,564
Tuna, Skipjack.....								31,011	464,529	76,700			573,262
Tuna, Yellowfin.....						6,133	21,510	65,973	90,790	929			135,290
Turbot.....								17					71
Whitetail, Ocean.....	1,288	2,295	1,716	749	299	8	21	118	227	1,862	1,062	3,325	12,895
Yellowtail.....	281		6,136	47,357	10,371	9,414	2,977	1,185	25,063	2,438	40	47	135,453
Miscellaneous sub.....		57	1,093	132	15	50	15	311	632	538	681	2,014	6,048

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
Crustaceans:													
Cray, Rock.....	100	866	120	233						12	27	123	1,313
Lochster, Spiny.....	12,897	15,555	13,454							66,515	69,858	33,696	202,975
Shrimp.....	14												14
Mollusk:													
Axalone.....						46			100	100	7	1,475	1,728
Clam, Cockle.....	2,665	2,479	2,689	2,482	3,967	2,626	2,624	2,887	263	2,089	1,713	2,163	27,942
Octopus.....	45	16	8								75	11	138
Squid.....	21,690	5,365	318	725	17			90			3,975		26,410
Total pounds.....	38,668,440	84,395,148	113,432,534	10,672,455	6,171,527	8,587,946	8,230,332	15,446,174	13,072,504	9,457,018	60,812,021	50,876,117	429,924,336

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	18,727				90			125,885	116,372	87,777	453,430
Cabrilla.....	8,325	5,643	5,154	380	13,031	6,277	9,299			2,059	3,509	5,019	20,698
Groupers.....	749				119						2,019	1,659	4,513
Hallibut, California.....		10,485	979					10,000			3,355	211	27,771
Markereel, Spanish.....	4,196	115							294	3,939	4,398	9,422	19,480
Rock Bass.....	2,461	3,825	2,398			476				3,356	4,446	2,073	19,771
Sea-bass, Black.....	21,097	10,262	20,339	6,997	2,368	17,690	78,703	102,101	92,740	48,937	14,691	36,156	456,931
Sea-bass, White.....		259	64							1,825	4,191	533	10,784
Shark.....	440	230	161							654	555		2,039
Sheepshead.....		145	690				396					397	1,332
Swordfish, Marlin.....				499									499
Tuna, Bonito.....			405,995	213,144	106,895	196,125	398,266	6,430				619	1,316,512
Tuna, Bluefin.....	5,048	4,271	919		313	3,233	11,281	270,973	376,189	18,569	164,043	7,899	868,472
Tuna, Skipjack.....	284,358	133,535	186,782	486,116	3,084,654	2,032,036	2,713,917	1,081,132	2,860,303	1,663,684	566,662	36,947	13,896,669
Tuna, Yellowfin.....	711,668	684,615	1,893,361	1,867,555	6,639,905	5,628,656	5,966,320	3,358,788	1,484,209	446,863	1,324,179	1,565,279	25,941,822
Whitefish, Ocean.....	16	1,625	95	781		708				326			3,835
Yellowtail.....	11,911	22,298	375	986	12,680	76,634	64,369	113,565	30,618	38,254	27,340	25,784	419,130
Miscellaneous fish.....								650			280	427	1,357
Crustaceans:													
Lochster, Spiny.....	1,530												1,530
Total pounds.....	1,091,146	914,048	1,317,998	2,713,899	9,597,127	6,090,319	5,984,803	5,850,537	4,909,696	1,781,685	2,225,545	1,800,273	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.....									\$12,023	\$41,312	\$31,007	\$2,412	1,176,734
Total pounds.....									\$12,023	\$41,312	\$31,007	\$2,412	1,176,734

Shipments from South of International Boundary													
Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Cubella.....		1,090	333	708		299					2,096	1,459	6,796
Caribia, Mexican.....	22,037	16,526	9,434	13,503	6,182							738	69,383
Grogger.....		815	370	1,419	784	393							3,693
Sashimi, Black.....		1,294		199									1,593
Sashimi, Tuna.....	9,979	89,898	145,788	129,228	100,362	74,305					251,430	297,654	1,143,238
Tuna, Bluefin.....							235					170	235
Yellowtail.....													
Cruisers.....													
Shrimp.....	1,125		9,569							1,430	660		12,784
Total pounds.....	33,191	100,781	165,496	145,430	113,333	75,432				1,430	254,316	298,254	1,237,681

Shipments from Japan													
Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Tuna, Albacore.....			136,377	184,709	18,362	97,823	\$49,330	\$19,122	\$17,848		\$15,347	\$19,389	1,546,039
Tuna, Central.....			82,019	38,240	18,362		\$5,449	\$18,240	\$2,174		\$2,554	\$4,909	223,032
Tuna, Skipjack.....			1,199,024	1,811,181	1,840,021	302,608	\$36,957	\$19,257	\$56,431		\$4,166		7,594,093
Tuna, Yellowfin.....							\$14,314	\$39,618	\$1,561				554,145
Total pounds.....			1,416,411	2,034,130	1,966,865	430,431	\$164,111	\$161,537	\$18,018		\$28,067	\$179,997	10,549,022
Grand total.....	39,792,777	85,418,677	116,332,040	15,565,033	19,106,882	15,173,829	16,879,308	23,167,268	19,312,011	11,581,445	65,850,385	62,241,150	487,422,574

410 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	90,077	58,217	9,383	114,227	90,502	26,379	1,083	555		375,185
Calico Pacific.....				15	15								30
Dabfish.....													899
Halibut, California.....	2,284	15,905	86,825	15,885	9,314	25,956	143	341	138	5,605	6,315	3,815	122,345
Herring, Pacific.....	3,012										4,107		7,119
Kingfish.....	80		20	5	120						34	15	319
MacKenzie, Horse.....		18,480		19,288	61,638	7,790							98,196
MacKenzie, Pacific.....	81,119	159,891	71,021	161,555	1,166,755	734,270	374,118	49,824	16,228	97,211	20,080	396,143	3,255,490
Mullet.....				805	2,304	1,586	621	234					5,572
Perch.....						390	1,195	798	161				2,568
Pompano, California.....				40			17						57
Rock Bass.....	2,222	3,708	2,313	1,763	1,096	6,073	23,474	36,380	13,716	8,148	7,842	4,372	113,064
Rockfish.....	5,665	22,022	16,770	16,679	11,564	14,191	16,195	8,967	3,296	11,735	3,333	8,696	148,700
Sablefish.....							184						184
Sand Dab.....	15	4,810,391	4,375,045	70	48,645	5,565	341	432			146,765	67,560	9,407,609
Sardine.....	49,665	2,156	1,910	47	435			321	138	425	342	2,158	8,578
Somali, Black.....	299	308	117		337	274	11	239	1,032	22	421	267	3,214
Sea-bass, Short-fin.....		4,441	2,811	2,881	688	274	11	6,784	6,677	3,019	8,300	3,112	86,249
Sea-bass, White.....					36,546	725	14,942						50,996
Shark.....	1,762	4,261	10,274	3,872	3,211	8,098	924	920	25,797	4,851	3,574	2,492	70,096
Starpleiad.....	615	334	66				76	10		326	556	940	2,539
Skate.....	565	796		690									1,956
Squid.....		719	540	154							418		2,448
Sole.....	565	17					15						584
Swedish, Broadbill.....					296	18,091	34,507	66,022	17,992	31,613	6,327		161,568
Tuna, Albacore.....						252,629	79,735		55				326,370
Tuna, Bonito.....						117,751	434,906	71,465	156,594				844,512
Tuna, Bluefin.....	137,974	7,705	8,474	1,233	109,850	181,942	374,002	12,558	222,430	14,346	45,765	10,759	1,481,456
Tuna, Yellowfin.....								25,590	1,198,571	81,176			1,308,738
Whitefish, Ocean.....	1,896	1,106						10,591	21,643	19	1,022	1,256	33,587
Yellowtail.....	274	490	797	10,059	12,755	17,410	51,772	8,043	19,017	845	498		82,117
Crustacean:													
Lobster, Spiny.....	1,183	433	1,382							38,473	15,676	19,142	76,281
Total pounds.....	285,246	5,064,433	4,439,330	324,550	1,637,663	1,435,583	1,801,468	364,807	1,737,259	319,962	266,219	457,560	18,044,390

Fishing Boat Landings from Waters South of International Boundary													
Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Barramundi	60,000	33,413	15,915	34,739	112,993	38,351	83,084	70,559	44,599	105,244	74,666	43,544	684,015
Cabrilla	3,276	36,767	19,069	4,428			6,043				737		71,459
Catfish, Pacific				40	18								58
Croaker	4,554	15,451	15,468	1,863	11,317	2,438		843	105				33,327
Halibut, California	67,292	34,172	8,149	10,192	2,519	35,013	60,333	34,112	32,044	599	4,447	37,391	306,997
Mackerel, Pacific	317			1,232	26,117	61,593	7,495	6,113	618	789	441	9	104,347
Mackerel, Spanish	287	1,352	1,329		129				490	402	1,022	1,793	7,072
Perch						840	27						879
Pompano, Mexican		558	518	1,773	22,531	30,547	4,493	6,137	638	1,558	4,138	1,604	74,659
Rock Bass	560												560
Rockfish	4,374	32,030	35,879	27,882	13,585	10,609	2,317	14,779	4,186	2,454	7,093	4,559	159,549
Sardine													90
Sculpin				25	51	132							198
Ses-uan, Black	5,254	19,483	16,381	22,195	14,982	35,574	29,388	61,971	11,463	19,734	12,675	13,613	337,993
Ses-uan, White	70	783	5,413	3,748	6,093	21,297	23,234	28,269	103,065	65,174	54,254	13,913	335,449
Shark		227	67	928	1,070	59	1,633				369	699	4,771
Showerhead	1,546	273		245	327	332	32	139		2,456	713	742	6,983
Sole	758			55	27		54	7		541	555	249	2,198
Swordfish, Broadbill							2,382	6,053	8,843	14,553	4,211		35,439
Tuna, Bluefin	13,053	22,628	28,166	34,889	53,807	129,279	84,672	141,671	82,919	278,999	285,207	78,238	1,235,216
Tuna, Bonito	277,476	116,480	247,140	341,723	566,432	2,291,690	3,011,507	5,145,636	7,833,678	6,329,942	2,015,195	954,041	35,711,275
Tuna, Yellowfin	3,733,159	4,115,750	4,912,182	3,997,851	6,065,227	5,164,407	7,929,292	8,903,256	4,632,941	2,825,579	2,612,426	8,211,693	65,372,394
Whitetail, Common	1,937	1,861		964			313	248	2,540	5,728	4,628		29,945
Yellowtail	67,163	213,492	133,475	451,533	262,410	400,629	475,666	1,115,730	649,288	386,089	379,702	121,479	4,728,125
Crustaceans:													
Lobster, Spiny	207,118	226,177	196,094							8,670	111,382	185,604	594,971
Total pounds	4,470,947	4,885,337	5,633,890	7,945,296	7,721,464	8,302,573	11,949,169	15,979,784	13,477,849	10,528,728	5,571,151	9,670,021	105,196,022

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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
Cabealla.....			7,436	300									7,736
Son-Juan, Totuava.....			19,649	8,685									28,335
Total pounds.....			27,136	8,985									36,121
Grand total.....	4,756,093	9,949,770	10,102,226	7,378,834	9,359,127	9,818,559	13,651,637	16,264,591	15,215,149	10,846,700	5,837,370	10,134,481	123,276,533

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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		1,260,022		2,520,812
Cabezone.....	5,425				5,425
Cabrilla.....			217,191		217,191
Carp.....	38,896				38,896
Catfish.....	312,309				312,309
Corbina, Mexican.....			138,536		138,536
Cultus, Pacific.....	645,018	986			646,004
Ed.....	68				68
Flounder, Starry.....	542,604	208			542,812
Flying Fish.....	62,857				62,857
Grouper.....			67,958		67,958
Hake.....	36,423				36,423
Halibut, California.....	838,566		255,782		1,094,348
Halibut, Northern.....	405,616	175			405,791
Hardhead.....	12,946				12,946
Herring, Pacific.....	504,884				504,884
Kingfish.....	433,195		14		433,209
Mackerel, Horse.....	4,133,918		1,254		4,135,918
Mackerel, Pacific.....	79,846,761		12,294		79,848,015
Mackerel, Spanish.....					12,294
Mullet.....	3,806				3,806
Perch.....	183,421				183,421
Pike.....	985				985
Pompano, California.....	1,203				1,203
Ratfish.....	9,355				9,355
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
Sea-trout, California.....	566				566
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		401,944		722,478
Tomcod.....	3,040				3,040
Tuna, Albacore.....	4,789,880	7,702,795	23,919	1,052,041	13,574,635
Tuna, Bluefin.....	16,512,262		1,215,769		17,728,031
Tuna, Bonito.....	4,984,570		3,155,423		8,139,993
Tuna, Oriental.....				4,328	4,328
Tuna, Skipjack.....	2,816		22,650,815	3,499,343	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		285,541
Crustacean:					
Crab.....	3,898,564	3,496			3,872,160
Crab, Rock.....	3,847				3,847
Lobster, Spiny.....	308,378		889,595		1,197,973
Shrimp.....	1,851,211		4,932		1,856,143
Mollusk:					
Abalone.....	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.....	23,086				23,086
Mussel.....	150				150
Octopus.....	32,632				32,632
Oyster, Eastern.....	280,742				280,742
Oyster, Japanese.....	1,207,421				1,207,421
Oyster, Native.....	32,161				32,161
Squid.....	1,599,164		155		1,599,319
Total pounds.....	1,091,200,617	7,740,714	118,919,630	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	34,135		449,259		735,144
Barramunda.....						1,567,255		2,592,412
Caballa.....	211		1,549	3,545	165,218	99		5,435
Carp.....		36,585		1,381		147,032	69,554	217,191
Catfish.....		312,245		50				312,295
Codfish, Mexican.....						138,530		138,530
Codfish, Pacific.....	394,832		173,898	85,271	615	1,263	23	646,004
Halibut.....						68,887		68,887
Flounder, Starry.....	273,743		251,683	13,892	214			525,532
Flying Fish.....						21,537	66,451	87,988
Grouper.....	1,749		16,615	15,350		33		33,727
Halibut, California.....	3,103		14,533	39,586	366,750	245,224	422,172	1,094,248
Halibut, Northern.....	460,456		250	55				460,761
Hardhead.....		12,946						12,946
Herring, Pacific.....	5,125		498,821	787	47			504,740
Knapfish.....			6,313	146,820	416	339,068		502,557
Mackerel, Horse.....				98,563	399	3,653,654	81,270	4,133,918
Mackerel, Pacific.....			1,613	1,467,258	35,743	75,972,003	4,356,968	79,844,015
Mackerel, Spanish.....						7,038	5,256	12,294
Mullet.....						311	1,475	1,786
Perch.....	8,900		69,276	15,748	9,545	79,232	661	183,421
Pike.....		985						985
Pompano, California.....						681	372	1,053
Ratfish.....				1,489				1,489
Rock Bass.....				14	28,828	110,353	146,682	285,087
Rockfish.....	517,683		536,845	1,843,063	165,368	286,474	254,758	3,523,197
Sablefish.....	312,809		8,507	38,480		14		413,806
Salmon.....	1,655,715	1,668,376	117,549	196,474	193			3,539,207
Sand Dab.....	229,265		338,466	43,460	7			611,208
Sardine.....		64,136,000	26,471,677	211,285,096	1,116	226,868,941	3,532,989	535,011,480
Scupfish.....				851	65,278	11,289		77,418
Sea Bass, Black.....					13,648	233,372	158,796	405,796
Sea Bass, Shorefish.....							3,259	3,259
Sea Bass, Tule.....						2,666,637	70,771	2,737,408
Sea Bass, White.....			11,051	25,863	50,654	146,185	867,866	1,091,619
Sea-trout, California.....	566							566
Shad.....	1,808,22			5				1,808,27
Shark.....	180,440	2,270,328	2,048,466	1,765,845	1,014,564	202,815	61,854	7,664,262
Sheepshead.....					6,218	32,922	12,891	52,031

[illegible]

MONTHLY COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1938

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Anchovy.....	50,760	2,902	4,407	41,979	155,062	77,489	3,250	18,755	35,038	118,500	49,730	197,243	735,144
Barracuda.....	219,314	163,017	190,314	101,522	220,021	317,908	219,904	203,820	227,608	256,677	168,249	153,785	2,337,412
Calamander.....	347	156	355	750	750	750	461	72	189	445	773	581	3,435
California.....	42,009	14,799	7,543	26,555	26,401	27,196				7,879	23,043	46,876	217,161
Carr.....	692	1,441	7,949	23,815	756	416			115	855	961	1,531	17,557
Catfish.....	15,522	8,805	24,876	42,637	3,882	5,650	3,463			58,783	56,837	31,154	312,309
Codfish.....	5,557	11,921	22,694	76,648	1,857					169	4,907	12,763	138,336
Cotton, Pacific.....	46,784	33,618	50,029	30,898	27,961	53,702	59,114	57,669	55,150	53,312	45,384	34,153	640,004
Eel.....	13,267	27,820	36,497	56,863	11,956	48,713	174,302	44,613	30,025	58,724	61,784	9,716	68
Flounder, Starry.....				768	22,846	13,241	5,455	6,967	2,436	189	6,393	26,783	43,557
Flounder, Winter.....	3,739	2,158	1,455	11,073	1,549	3,550	887			7,084	300	669	67,598
Grouper.....	1,449	2,699	189	763	8,669	18,309	150	2,319	715				36,478
Haddock.....	121,473	112,515	106,350	98,802	52,814	28,627	67,460	135,341	136,426	80,441	58,862	45,737	1,064,185
Hallibut, Northern.....	1,655	625	24	2,553	41,523	159,799	145,845	4,984	4,554	3,755			493,791
Halibut, Pacific.....										429	5,093	3,264	12,346
Herring, Pacific.....	290,622	190,383	3,466	379		42		56,229	37,219	29,444	37,555	29,504	77,497
Kiwi.....	43,714	37,108	14,769	23,086	58,438	47,255	36,229	37,219	29,444	37,555	44,887	40,055	435,399
Maskarel, Horse.....	2,238,119	680,730	41,500	8,615	16,367	77,862	89,869	150,542	201,141	23,985	125,090	421,797	4,153,618
Maskarel, Pacific.....	5,774,018	2,987,250	1,055,570	3,665	57,271	1,127,022	2,961,721	22,914,446	11,679,888	6,745,913	6,319,019	14,472,714	79,449,015
Maskarel, Spanish.....	3,009	1,792				922				1,207	932	2,379	2,123
Medaka.....													12,224
Perch.....	21,662	19,865	20,000	56,492	1,387	8,720	8,002	11,861	3,318	5,313	1,344	82	1,309
Pike.....	27	114	392	229	1,847					13,352	5,179	183,421	189,421
Pompano, California.....		103	7	27	42	350	63	676	56	55	64	80	985
Rock Bass.....	2,747	115	3,605	269	415	1,970	266	577		12			1,203
Rockfish.....		15,971	8,456	31,057	24,508	40,460	41,134	61,672	26,784	11,733	15,415	18,798	304,057
Sablefish.....	409,291	322,826	361,548	360,476	287,784	355,848	379,433	177,773	107,429	186,081	288,029	206,217	3,627,137
Salmon.....	14,696	28,733	17,703	40,399	19,701	63,141	37,680	33,313	25,797	25,695	14,459	115,556	415,556
Salmon, Steel Head.....	2,273	1,865	11,158	221,927	178,779	442,739	685,181	530,094	1,725,248		2,169	11,911	3,829,217
Sardine.....	44,068	63,844	65,966	46,865	66,840	78,487	62,887	76,213	57,054	50,513	61,161	28,698	639,234
Sardine, Black.....	102,873,441	54,808,229	14,033,308	541,923	506,799	449,588	279,628	84,363,759	142,084,432	118,759,953	193,508,458	361,071,262	935,611,489
Sardine, White.....	5,511	6,550	8,542	27,757	19,857	14,569	18,711	13,044	8,261	15,193	11,370	3,666	156,286
Sem-Bass, Black.....	20,171	37,559	20,005	17,723	23,900	39,112	55,982	39,359	79,996	41,489	22,650	26,574	607,226
Sem-Bass, Shortfin.....					896	1,329							2,259
Sem-Bass, Tehuacan.....	392,306	656,265	538,345	227,996	228,407	115,279				142,092	175,135	223,662	2,767,698
Sem-Bass, White.....	15,077	22,253	17,618	11,158	20,575	15,566	34,634	40,081	271,550	80,887	47,495	49,864	626,647
Sem-Trou, California.....	956	390											566
Shad.....	653,382	402,279	307,276	58,193	100,329	591,503	714,508	1,325,779	1,515,143	592,959	592,013	792,495	7,594,382

Sheephead.....	4,484	5,566	2,550	11,155	7,175	4,492	1,827	1,055	5,216	7,692	10,119	9,646	72,031
Shark.....	64,525	77,041	104,031	102,031	42,740	31,379	20,563	25,445	16,383	30,314	23,669	36,661	528,273
Snow.....	31,360	42,538	63,125	74,427	94,547	46,190	38,558	30,145	34,145	30,111	42,254	48,665	567,661
Sole.....	610,947	485,147	696,165	799,176	528,753	730,171	698,252	866,375	737,146	722,032	552,487	826,082	7,737,647
Sole-tail.....	717	1,974	1,745	2,431	.....	.....	.....	.....	1,150	1,124	771	1,309	11,127
Sockeye.....	42	76	189	95	.....	.....	.....	.....	10	30	.....	.....	452
Swordfish, Broadbill.....	.....	.....	.....	.....	354	31,188	87,627	316,734	240,758	42,859	3,507	.....	792,478
Tautog.....	.....	.....	.....	.....	350	336	1,253	.....	810	853	.....	350	2,040
Tuna, Albacore.....	7,207	20,624	.....	.....	5,436	57,259	2,925,284	1,129,682	4,906,979	2,418,921	4,203,873	511,651	13,574,635
Tuna, Bluefin.....	141	.....	.....	.....	2,436	2,925,284	7,633,714	4,701,446	2,402,701	14	.....	.....	17,728,931
Tuna, Bonito.....	763,220	507,843	102,831	2,249	67,112	277,411	913,963	1,778,745	2,426,112	872,602	51,872	17,085	7,830,093
Tuna, Oriental.....	.....	.....	.....	.....	6,328	.....	.....	.....	.....	.....	.....	.....	42,228
Tuna, Skipjack.....	186,871	157,071	814,456	2,952,362	5,038,603	10,024,620	5,159,507	3,181,193	3,208,484	1,229,649	99,303	106,376	26,182,674
Tuna, Yellowfin.....	3,686,844	2,857,741	5,091,402	4,163,024	9,470,787	10,233,442	15,610,032	9,071,027	7,754,422	5,120,409	3,717,235	2,688,595	78,903,063
Typhoid.....	5,815	2,101	5,281	14,057	12,027	6,204	7,484	10,233	6,300	8,746	3,324	6,656	85,496
Whitefish.....	4,433	12,025	12,511	19,654	11,738	27,058	16,331	1,996	.....	.....	135	235	106,724
Whitfish, Osmo.....	29,534	5,345	7,138	1,859	1,418	965	1,811	2,760	2,341	8,383	3,081	6,824	46,612
Yellowtail.....	104,583	50,030	231,234	118,367	181,477	239,253	1,070,545	3,435,005	1,376,737	40,656	27,234	68,510	6,112,318
Miscellaneous fish.....	13,695	15,596	15,332	15,923	18,529	22,031	16,477	39,875	45,963	33,277	37,790	36,722	265,541
Crustacean.....	343,892	342,542	215,194	422,660	486,210	312,119	395,122	304,762	6,372	.....	472,916	566,870	3,872,190
Crab, Rock.....	862	351	31	.....	560	773	.....	.....	1,068	10	47	3,947	.....
Lobster, Spiny.....	239,804	254,643	173,138	.....	.....	.....	.....	.....	112,809	159,794	265,725	1,197,473	.....
Shrimp.....	62,571	16,077	45,127	72,213	121,102	296,163	435,643	348,386	214,692	83,329	96,997	71,565	1,856,143
Mollusk.....	94,637	.....	4,103	251,552	442,913	203,325	412,345	241,555	208,721	45,157	151,235	51,525	2,121,468
Cham, Cockle.....	1,611	1,733	2,145	1,834	2,056	2,536	1,872	891	3,116	2,700	1,816	1,373	23,831
Cham, Clapper.....	211	538	171	524	505	840	624	632	180	180	180	180	4,074
Cham, Fanny.....	17,449	15,247	15,766	13,595	16,773	23,181	27,114	23,761	21,546	16,587	14,566	11,696	214,321
Cham, Hatter.....	16	.....	.....	10	165	246	.....	.....	.....	.....	.....	.....	471
Cham, Soft-shell.....	6,874	7,486	6,561	7,219	8,423	7,445	5,957	7,243	7,032	7,488	6,804	7,139	87,219
Cham, Washington.....	2,691	2,777	2,633	2,756	312	254	434	383	2,543	3,254	2,849	2,347	33,986
Mussel.....	.....	.....	.....	.....	150	.....	.....	.....	.....	.....	.....	.....	50
Octopus.....	431	548	532	4,789	6,144	6,970	5,875	5,145	1,261	234	2,133	2,720	32,623
Oyster, Eastern.....	24,728	31,343	26,375	31,780	17,437	16,780	13,527	17,817	23,158	30,360	22,404	37,409	280,742
Oyster, Japanese.....	62,250	102,250	120,741	117,024	74,563	62,424	38,179	77,639	80,125	114,516	127,435	178,705	1,367,421
Oyster, Native.....	2,144	1,413	2,119	4,641	4,651	4,113	4,061	2,531	724	1,234	1,663	2,014	32,181
Squid.....	44,168	33,893	63,173	5,131	151,505	441,142	3,4379	54,013	43,879	151,163	484,627	56,044	1,399,719
Total pounds.....	17,517,317	63,211,737	2,133,303	12,311,929	11,735,110	21,667,333	37,051,164	189,964,713	177,582,512	132,772,456	20,647,612	282,837,901	1,392,491,334

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
Cohoena.....	169	51											211
Cuttes Pacific.....	14,522	21,095	36,532	22,911	6,801	41,721	62,319	26,873	45,743	26,928	18,887	9,822	333,948
Flounder, Starry.....	277	1,013	927	4,437	1,839	31,050	173,833	28,297	22,698	10,473	400	140	275,215
Hake.....				466	115		150	100	715		200		1,740
Halibut, California.....					320	2,730	43						3,103
Halibut, Northern.....				42,586	41,343	159,509	148,840	6,449	6,534	3,753			403,211
Herring, Pacific.....	5,100	25											5,125
Perch.....	202	992	1	2,895	898						99		8,099
Rockfish.....	9,677	13,316	10,962	62,433	18,144	41,611	141,683	21,830	40,818	75,857	82,496	126,538	547,079
Salmon.....	492	1,086	2,696	5,322	5,531	38,982	35,764	42,890	56,623	23,863	7,236	1,105	211,269
Salm.....				170,521	50,653	393,964	619,657	387,771	261,132	23,863	7,236		1,433,544
Sand Dab.....	1,040		946	25,091	13,550	39,997	35,924	44,911	43,692	17,838	2,698	918	278,603
Sea-trout, California.....	291	310											606
Shark.....	2,427	248		2,033	88	238	3,091	36,329	32,546	15,929	24,178	28,051	140,498
Shale.....				7,033	7,529	9,686	7,353	8,151	8,064	4,396	5,319	1,566	50,992
Sprat.....	180	100		1,703	942	1,633	1,943	1,263	2,033	2,940			13,223
Sole.....	1,500	834	32,114	486,363	304,023	459,657	548,088	478,943	583,357	478,863	228,259	58,473	3,851,515
Tomcod.....						130	1,225	87	810				2,165
Tuna, Albacore.....							18,877	87	6,506				22,270
Turbot.....				240	280	330				45			935
Whitefish.....	4,177	10,620	10,554	18,390	9,918	35,343	10,090	1,951				76	96,118
Miscellaneous fish.....	290		1,083	7,363	6,100	12,885	11,015	6,922	15,453	12,419	11,025	1,860	85,190
Crustaceans:													
Crab.....	28,444	19,782	18,500	36,466	73,672	43,446	143,774	133,444	6,972		1,476	21,060	531,056
Mollusks:													
Cham. Razor.....	16				10	165	290						471
Cham. Soft-shell.....	15	15	15		5	38		34	39	78	67	53	334
Cham. Washington.....	2,399	2,562	2,412	2,431					2,377	2,192	2,646	2,113	13,959
Octopus.....	28	207	137	1,181		125	4				109	80	1,963
Oyster, Eastern.....						356			2,556	1,843	9,295	9,304	20,000
Oyster, Native.....												143	143
Total pounds.....	73,638	72,018	120,022	836,076	443,172	1,309,580	1,980,915	1,456,130	1,139,003	694,237	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
Catfish, Pacific.....					150			457	260				586
Pickering, Starry.....								75	135				208
Halibut, Northern.....					175								175
Rockfish.....									324				324
Salmon.....					125		106	25					256
Steel Head.....								525					525
Shark.....									32				32
Sole.....					14,663			9,217	7,862				31,434
Miscellaneous fish.....					140			75					213
Crustacean:													
Crab.....					1,690		24	1,732					3,496
Total pounds.....					16,983		130	12,622	8,112				37,919
Grand total	73,635	72,018	120,022	836,076	640,157	1,307,350	1,081,045	1,465,812	1,147,115	604,237	498,681	163,332	8,821,723

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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.....	863	1,441	5,714	23,709	799	416	.....	113	250	571	1,291	1,737	36,985
Catfish.....	15,337	8,935	24,076	42,263	9,582	5,050	3,462	3,183	58,783	55,248	56,837	31,154	312,245
Bass.....	1,055	935	24	2,555	.....	.....	.....	.....	.....	420	5,003	3,294	13,946
Pike.....	27	114	302	229	.....	.....	.....	5	28	33	64	80	983
Salmon.....	2,229	1,017	5,224	12,190	38,680	9,204	.....	100,775	1,429,714	.....	2,160	11,911	1,668,375
Sardine.....	10,379,300	.....	.....	.....	.....	.....	.....	.....	14,814,000	8,401,600	10,790,000	19,551,400	64,136,900
Shad.....	.....	13,179	620,653	704,538	.....	.....	.....	.....	.....	.....	.....	.....	1,338,722
Shark.....	4,241	188,604	189,091	.....	.....	.....	13,564	684,245	1,190,093	.....	.....	.....	2,370,328
Spott-tail.....	717	1,974	1,248	2,431	.....	.....	.....	1,153	1,124	.....	771	1,290	11,127
Stocker.....	62	75	189	95	.....	.....	.....	10	30	.....	.....	.....	462
Miscellaneous Fish.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10	.....	10
Total pounds.....	10,604,015	702,689	240,207	704,369	743,228	15,460	17,829	948,329	17,494,631	8,402,048	10,850,156	19,900,773	69,789,686

COMMERCIAL FISH LANDINGS IN SAN FRANCISCO REGION DURING 1928

Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Anchovy.....				16,200	129,400	73,350	1,400		900		30,000		251,250
Calappa.....			215	400	600	32	322						1,569
Calappa, Pacific.....	15,700	11,415	13,325	21,505	13,090	23,435	21,335	4,341	5,830	16,035	11,505	4,710	175,985
Flounder, Starry.....	12,491	26,419	22,772	50,355	8,350	10,135	885	16,285	6,550	27,075	46,442	8,901	231,085
Hake.....	1,440	2,900	130	130	6,665	3,900		2,210				900	18,015
Halibut, California.....	385	1,357	395	5,450	207	7,095	359	191	220	20	210	1,245	14,535
Halibut, Northern.....							290						290
Herring, Pacific.....	245,525	169,561	5,440								17,225	77,447	495,551
Kingfish.....			190		2,824	2,484	84	335		26	53	175	6,213
Macaroni, Pacific.....	1,611												1,611
Perch.....	7,307	8,864	10,000	31,360			2,564	3,456	1,736	4,560	4,820	3,744	69,276
Rockfish.....	26,503	51,679	100,002	67,476	30,115	30,695	43,151	29,435	11,520	39,496	20,952	31,282	388,520
Shadfish.....		2,221	6	52	1,596	736	1,036	1,272	886	249		115	8,507
Salmon.....		875	5,745	4,374	15,342	48,348	19,450	35,852					117,549
Sand Dab.....	41,020	63,302	57,555	5,550	50,939	24,940	22,144	24,500	12,342	10,045	15,646	35,672	358,665
Sardine.....	29,990,900	55,690			88,500	102,200	22,167	6,732,551	69,300,524	43,699,160	43,900,397	100,798,110	294,718,747
Sea-bass, White.....						36	56	2,57		2,565	6	27	11,671
Shark.....	555,734	122,629	44,092	61,007	2,620	8,104	7,564	5,414	7,550	544,511	129,474	348,979	2,048,499
Skate.....	55,301	61,468	77,862	20,930	20,770	8,270	4,960	12,010	7,065	10,883	14,311	20,024	229,555
Snail.....	11,980	23,003	55,175	37,428	29,147	16,896	12,481	17,343	4,010	9,640	9,043	7,734	235,913
Sole.....	566,328	451,100	351,271	141,504	241,588	207,697	114,335	145,202	112,305	217,887	182,444	440,501	3,199,731
Tomcod.....										825		350	1,175
Tuna, Albacore.....													
Turbot.....	6,321	1,065	3,281	11,401	10,962	6,144	7,484	10,235	5,609	5,344	2,796	5,405	70,075
Whitchel.....	116	4,402	1,864	1,295	2,279	210	751						5,690
Miscellaneous Fish.....	12,303	12,403	10,345	3,370	5,711	1,737	1,196	1,370	3,322	7,860	6,886	8,287	75,090
Crustacean:													
Crab.....	313,375	319,228	197,008	383,096	403,088	261,796	289,827	107,454			452,240	421,090	3,160,658
Shrimp.....	61,666	18,852	41,137	72,009	111,930	298,160	432,246	380,074	214,554	68,175	89,889	70,531	1,947,528
Mollusk:													
Clam, Cockle.....	44	38	20	37	20	21	41	40	15	16	91	27	414
Clam, Cape.....	211	204	151	424	518	360	474	371	190	190	190	190	3,274
Clam, Soft-shell.....	6,839	7,571	6,946	7,293	8,388	7,945	5,963	7,210	9,974	7,341	6,737	7,656	80,665
Clam, Washington.....	323	165	351	345	312	315	454	376	298	72	190	234	3,090
Octopus.....	128	119	246	603	1,421	1,255	1,331	948	30	82	29		5,181
Oyster, Eastern.....	24,708	31,965	25,355	21,702	15,907	16,780	15,692	12,812	20,002	22,015	15,210	20,048	251,142
Oyster, Japanese.....	91,799	101,048	118,279	113,429	73,879	61,717	31,642	73,641	77,096	111,010	124,405	175,160	1,151,571
Oyster, Native.....	2,944	1,418	2,180	4,640	4,639	4,115	4,061	2,531	724	1,234	1,515	2,014	32,010
Total pounds.....	22,129,043	1,534,894	1,178,116	1,078,001	1,380,684	1,199,327	1,104,671	7,646,725	69,549,433	44,820,614	45,093,328	102,686,145	300,000,981

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
Anchovy.....			2,650	23,440	2,850	200	1,700	1,850	1,445				34,135
Calamander.....	54	85	100	317	150	672	100	22	130	445	775	581	3,146
Carp.....			1,335	45									1,381
Catfish.....				50									50
Clupea, Pacific.....	13,206	3,136	4,075	6,164	5,436	8,417	4,495	5,643	2,154	1,227	13,778	19,376	85,271
Flounder, Striped.....	499	388	2,798	1,971	290	1,455	55	50	357	580	2,043	3,673	13,092
Hake.....				1,560	14,400								16,560
Halibut, California.....	2,351	4,058	4,183	619	512	4,692	5,493	9,098	1,094	346	705	1,884	29,865
Halibut, Northern.....								35					35
Herring, Pacific.....		369		370									739
Kingsfish.....	11,747	4,303	3,440	14,721	10,611	10,700	10,600	13,944	4,227	20,333	16,091	19,991	146,526
Macarel, Hong.....	107	2,093		8,732	8,572	19,555	9,350	2,740	11,178	27,323	11,847	3,355	98,565
Macarel, Pacific.....	113,408	96,376	17,200	1,143	96,478	63,353	70,151	67,512	206,508	108,027	47,230	29,520	1,452,258
Perc.....	561	1,263	960	5,323			811	360	245	200	90	3,054	15,748
Ratfish.....		115	3,500	230									5,117
Rock Bass.....									47				47
Rockfish.....	249,239	186,847	174,039	243,922	186,321	231,700	145,343	97,534	31,917	29,547	122,419	144,338	1,549,665
Sablefish.....		90	121	1,035	4,440	12,805	11,717	4,352	335		200	310	28,490
Salmon.....			39	68,907	89,764	23,984	16,520						199,474
Sand Dab.....	291	61	5,625	11,420	1,517	12,654	1,175	5,823	565	277	1,800		43,496
Sardine.....	16,923,741	2,067,643	27,450	291,419	323,835	338,495	234,495	47,500,511	57,716,292	56,331,118	63,621,170	64,130,252	311,385,696
Sparflats, White.....	2,734	129					40	16,325	409		3,090	311	23,963
Star.....													5
Shark.....	60,436	37,307	24,179	7,294	2,140	94,775	356,472	474,706	275,401	11,236	96,564	170,656	1,765,445
Sole.....	5,774	12,224	21,411	23,653	9,637	8,909	3,045	1,007	431	1,490	2,493	1,781	62,550
Snellfish.....	3,480	781	345	221	1,669	11,111	12,844	7,116	12,142	12,255	12,825	10,325	92,900
Sole.....	13,011	18,837	62,818	176,779	46,109	66,524	5,155	16,064	5,245	5,200	29,083	13,082	452,559
Tuna, Albacore.....							715	295,997	1,356,161	934,618	2,331		2,591,376
Tuna, Bonito.....													11
Turbot.....	491	1,666	2,000	2,364	765	10				700	360	534	5,813
Whiting.....			65	80	411	1,302			43		155	200	2,516
Miscellaneous Fish.....		30	1,320	2,035	343	2,431	1,410	225	540	144	455		5,951

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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
Barracuda					\$13	\$16	\$52	\$4	6,671	11,020	35,692		53,815
Calappa	36		20	43									99
Clupea, Pacific	45			196	100	68	60	22		11			615
Flounder, Striped							10		273				273
Hake, California	30,138	22,018	30,376	24,304	21,006	27,413	28,305	36,733	44,511	39,274	33,872	21,875	365,730
Herring, Pacific					13	42							42
Kelpfish		86	86	32					71			100	21
Mackerel, Horse											389		389
Mackerel, Pacific	7,539	125	140		159			18,013	2,332	5,469	2,346	2,993	33,443
Pomfrit		10		2,023			2,392	3,993	400		21		5,965
Ratfish					415	1,970	300	923					3,608
Rock Bass	1,128	9,673	719	4,090	1,046	1,213	1,012	1,450	491	815	1,212		28,538
Rockfish	22,866	32,331	6,883	32,106	13,818	9,613	8,908	7,161	1,828	991	6,327	17,343	160,398
Salmon						38	143						181
Sand Dab							612						612
Sardine	19				445	43							1,116
Seabass	124	291		81	21		173						531
Sea-bass, Black	845	1,533	1,555	309	257	1,115	1,836	335	1,921	2,448	160	320	13,644
Sea-bass, White	8,815	1,260	2,400	2,324	951	620	13	152	20,505	13,146	19,554	16,442	83,034
Shark	23,222	31,058	31,810	11,661	51,569	428,404	295,542	104,665	22,091	8,112	4,357	1,013	1,014,564
Sturgeon	159	1,448	1,361	50	262	27	189	44		366	16		3,215
Starfish	2,613	1,456	3,567	3,209	3,616	3,056	3,709	2,095	325	3,559	3,272	3,245	35,528
Swordfish	818	1,236	2,742	12,712	14,509	1,328	2,511	1,812	1,376	1,750	102	552	41,453
Tide	8,106	16,577	19,445	33,812	25,636	12,599	18,383	13,366	24,065	20,521	12,327	11,044	268,796
Wardfish, Broadbill					2,009		3,630	22,341	47,983	14,701			90,686
Tuna, Albacore							1,811	15,000	81,903	135,754	1,411		244,489
Tuna, Bluefin								9,647	172				9,820
Tuna, Pacific	3,636	3,888	37					1,094	456	10,969	5,840	813	26,772
Whitfish, Ocean	3,742	918	419	64	77	21	233	179		743	230	1,184	7,790
Macleodensis Fish	899	791	345	365	379	336	147	309	438	739	1,138	1,067	6,611
Crabs, Rock													10
Crabs, Spiny	21,134	14,792	5,017							35,444	15,940	14,473	109,860
Mallocks													
Abalone	48,337		3,567	102,973	198,773	84,100	145,405	100,005	66,217	35,812	54,233	33,300	909,908
Clams, Pismo	13,982	13,210	13,996	12,522	16,720	20,181	27,114	23,761	16,732	13,054	12,360	16,730	194,451
Oyster, Japanese	470	1,292	2,462	1,652	799	711	1,328	2,052	2,140	3,396	3,026	3,610	23,450
Total pounds	196,739	131,009	129,699	246,205	342,687	397,196	537,739	271,673	356,512	366,176	258,561	148,099	3,703,556

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.....													45,200
Total pounds.....													45,200
Grand total.....	196,749	131,609	139,689	246,385	343,687	507,196	537,739	371,573	358,812	368,176	358,561	194,288	3,749,856

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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.....	50,760	2,902	1,737	2,339	2,812	3,439	150	16,905	22,693	118,500	19,750	197,243	449,259
Barracuda.....	.....	3,270	4,813	95,155	149,435	215,163	174,951	114,292	43,729	21,298	464	.....	838,238
Carp.....	.....	.....	.....	14	.....	.....	.....	.....	.....	290	249	.....	539
Catfish.....	.....	.....	.....	121	.....	.....	.....	.....	.....	.....	.....	.....	14
Clupea, Pacific.....	121	.....	19	121	.....	18	9	18	41	8	.....	.....	1,305
Eel.....	.....	.....	.....	42	8	.....	.....	.....	.....	.....	.....	.....	68
Flying Fish.....	.....	.....	.....	788	33,846	13,243	5,455	6,967	3,436	180	.....	.....	62,837
Hake.....	.....	.....	.....	153	170	.....	.....	.....	.....	.....	.....	.....	329
Halibut, California.....	14,399	36,282	39,369	49,099	16,053	26,553	6,435	11,721	6,819	15,023	2,764	5,515	299,748
Kingfish.....	30,027	22,444	9,072	60,323	44,922	34,356	23,443	13,763	18,126	17,162	27,390	29,998	339,098
Marbled, Hare.....	2,223,882	617,183	41,509	183	60	4,461	60,092	126,750	209,923	4,263	115,262	415,472	3,033,654
Marbled, Pacific.....	9,494,453	2,247,738	1,968,027	2,013	4,259	324,847	2,771,995	20,648,196	11,130,357	6,408,021	8,537,331	13,533,911	73,971,248
Mullet.....	.....	100	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	131
Perch.....	13,555	7,556	6,050	140	1,461	6,720	1,514	.....	.....	.....	8,701	.....	79,232
Pompano, California.....	.....	163	7	29	42	200	63	104	6	12	4	.....	631
Rainbow.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	18
Rock Bass.....	1,477	2,323	1,311	6,799	15,442	17,740	17,973	12,746	5,423	9,127	8,893	2,747	103,276
Rockfish.....	29,879	26,327	42,364	45,740	22,197	13,285	24,187	9,585	7,449	12,079	16,398	23,213	277,879
Salmon.....	14,197	23,547	20,602	31,699	7,924	9,457	2,216	934	535	648	23,875	4,890	151,466
Sand Dab.....	717	641	627	654	259	856	740	524	367	365	336	412	6,181
Sardine.....	45,379,682	32,440,068	13,556,413	227,570	20,523	4,415	10,433	33,362	199,529	426,906	70,781,869	76,478,649	359,858,041
Sculpin.....	519	5719	4,312	5,043	12,584	14,279	9,561	10,659	4,424	7,696	5,968	4,444	63,576
Sea Bass, Black.....	12	56	399	2,145	5,907	1,740	792	3,165	1,012	703	1,320	.....	17,373
Sea Bass, White.....	1,770	2,419	363	4,177	10,101	5,577	3,223	12,553	29,363	8,281	969	18,138	92,997
Shad.....	1,281	7,511	10,133	12,696	36,038	69,590	26,198	37,633	14,569	10,833	6,336	2,964	201,431
Sheepshead.....	1,575	2,001	206	10,729	6,740	4,105	1,683	1,561	2,968	4,377	6,379	6,219	82,180
Shrimp.....	962	1,603	1,233	1,420	1,662	1,464	112	1,212	312	132	353	331	8,714
Skipjack.....	13,983	18,491	6,893	22,996	17,246	16,297	8,829	10,980	13,376	21,150	18,291	14,021	175,712
Sole.....	62	446	415	504	422	1,379	271	78	189	20	.....	.....	4,019
Swordfish, Broadbill.....	.....	.....	.....	.....	354	13,908	43,621	96,427	14,173	14,914	2,960	.....	175,980
Tuna, Albacore.....	.....	.....	.....	.....	.....	60,615	196,257	426,283	397,065	85,013	.....	.....	1,637,148
Tuna, Bluefin.....	141	.....	.....	33	2,596	2,307,550	6,339,174	4,391,943	1,781,039	677,330	.....	.....	14,531,994
Tuna, Bonito.....	487,266	268,421	37,223	454	1,450	15,899	157,147	245,698	1,076,099	677,330	30,989	15,237	2,570,579
Tuna, Skipjack.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	34
Tuna, Yellowfin.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11
Turbot.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,425
Whitetail, Ocean.....	2,908	2,010	3,908	554	89	659	653	251	180	.....	927	.....	15,439
Yellowtail.....	15	.....	1,128	4,311	7,885	6,008	12,893	8,022	14,241	292	.....	.....	55,013
Miscellaneous Fish.....	643	282	133	500	1,771	4,692	1,511	36,916	36,456	13,963	7,216	17,819	106,442

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
Barramundi.....	155,295	122,023	67,011	1,280				2,420	30,040	118,119	111,627	88,996	728,281
Cabealla.....	18,095	7,231	6,890				9,098				21,781	22,322	83,997
Corbina, Mexican.....													721
Croaker.....	2,168	1,019	231								4,527		21,427
Halibut, California.....	7,795	30							354	246	46	12,969	8,476
Mackerel, Pacific.....													285
Mackerel, Spanish.....	810	1,795				135					932	1,247	3,400
Rock Bass.....	1,492	949	1,350	265		345	100	80			478	586	1,560
Sardines.....													7,277
Sea-bass, Black.....	18,300	12,936	8,535	4,052	8,544	14,770	40,266	34,725	58,144	25,760	4,319	2,639	217,922
Sea-bass, White.....	722	1,856				32	66	22,811	22,196	22,196	222	40	47,818
Shark.....							65	1,050					1,284
Shrimp.....													247
Swordfish, Broadbill.....								26,754	15,294				38,443
Tuna, Bluefin.....					79			165,330	361,969		17,714		327,271
Tuna, Bonito.....	31	1,628	190				844	1,275,608	1,121,547	143,666	11,756		2,551,935
Tuna, Skipjack.....	182,125	8,315	302,931	240,488	825,383	933,317	1,763,724	1,575,987	1,162,366	836,789	88,840		7,783,295
Tuna, Yellowfin.....	774,665	691,882	1,377,546	767,881	2,224,675	1,839,185	4,405,035	3,540,063	2,201,214	998,957	158,509	599,269	19,313,409
Whitetail, Ocean.....	1,375	156	7,723	259		300	60			862	1,022	77	2,907
Yellowtail.....				194	341	1,990	131,025	1,759,473		278,831	2,344	6,873	1,817
Miscellaneous Fish.....									350		111		2,268,692
Total pounds.....	1,185,383	841,543	1,964,454	1,014,297	3,359,031	2,820,969	6,329,648	8,465,623	5,354,176	1,763,014	446,598	732,914	33,940,572

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	3,896,134	501,020	937,751	150,092		5,539,871
Total pounds.....	7,307	26,624		5,538	500		4,435	3,896,134	501,020	937,751	150,092		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.....			2,673	26,555	22,101	6,421				432	1,102	4,316	53,690
Cortina, Mexican.....	8,342	11,921	22,094	76,845	1,807					109	4,007	12,682	137,513
Sea-bass, Black.....			177										177
Sea-bass, Tulemar.....	392,309	551,940	821,545	230,509	275,511	113,089				129,214	175,131	216,183	2,696,597
Cuatrecasas:													
Shrimp.....	1,425	235			3,292								4,952
Total pounds.....	402,316	664,095	847,312	228,812	280,394	119,510				129,755	180,320	232,823	2,990,597

Shipments from Japan													
Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Tuna, Albacore.....						366,662	348,337	299,622					1,014,621
Tuna, Oriental.....					4,328								4,328
Tuna, Skipjack.....		106,362	66,939	695,188	1,100,939	1,277,115	821,827	74,185					3,496,353
Tuna, Yellowfin.....						46,924		24,937					71,861
Total pounds.....		106,362	66,939	695,188	1,105,267	1,643,701	968,179	398,147				102,791	4,696,573
Grand total.....	80,209,829	87,557,092	15,373,320	2,633,435	5,195,247	7,767,091	17,064,045	35,615,845	20,997,410	12,501,670	77,825,626	91,891,021	609,392,627

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
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			100		66	45	38	3,279	50	3,329
Kingfish					7,765	61,936	11,569				331	20	642
Mackerel, Horse					12,375	738,732	398,497	763,515	319,380	225,984	739,092	912,291	81,270
Mackerel, Pacific	245,586	20		527	1,147	628		36			1,344	50	4,355,999
Mullet				270									3,475
Perch							691						691
Pompano, California								572					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		214,915	150,245	112,035	68,487	4,435	1,929	2,766	1,487	1,028	4,862,016	93,560	5,512,903
Sculpin	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, Black	42	216		258	582	92	230	401	1,460	59	255	232	3,827
Sea-bass, Short-fin				34	806	1,339		80					2,259
Sea-bass, White	2,441	2,103	1,606	404	2,766	6,257	19,535	2,761	4,092	902	4,262	1,723	48,852
Shark	3,921	4,282	6,253	3,325	6,421	1,922	11,519	4,072	6,472	1,636	745	669	51,237
Sheepshead	446	133	195	98	167	10			936	383	262	129	2,759
Skate	152		275	68	70							100	665
Smelt	494				180	532			753	2,260	600		4,819
Sole				8	40	15							63
Swordfish, Broadbill						14,863	26,837	9,455	1,958	755			53,868
Tuna, Albacore							124,866	32,843	11,178	47,120	71,573		287,580
Tuna, Bluefin				309	53,181	542,977	909,119	186,726	278,226				1,970,538
Tuna, Bonito	240,398	298,821	27,989	160	63,970	362,963	413,264	72,158	187,456	3,690	15,360	988	1,687,217
Tuna, Skipjack										2,762			2,762
Tuna, Yellowfin							125	62	5,619	1,277		57	7,140
Whitefish, Ocean	135	30	90					300	163	182			900
Yellowtail	15	578	491	24,401	30,226	56,627	33,961	18,589	20,251	273	5,178	35	190,625
Miscellaneous Fish												55	55
Crustacean:													
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 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.....	33,979	97,896	88,292	15,191	13,490	3,200	729	11,366	122,519	105,173	43,069	10,707	494,335
Calappa.....	33,314	7,648	.....	.....	.....	290	2,261	.....	.....	7,447	.....	.....	61,068
Grupper.....	1,591	1,149	1,222	11,029	1,549	3,500	897	.....	.....	6,793	1,343	18,516	48,431
Halibut, California.....	29,382	222	3,092	35	6,031	7,023	19,837	37,092	73,999	35,603	7,278	3,294	247,399
Kingfish.....	.....	.....	.....	.....	14	.....	.....	.....	.....	.....	.....	.....	14
Mackerel, Pacific.....	.....	.....	.....	.....	.....	90	.....	.....	.....	.....	.....	.....	90
Mackerel, Spanish.....	2,199	.....	.....	.....	.....	667	.....	.....	.....	1,237	.....	.....	3,276
Rock Bass.....	7,745	2,182	2,379	2,633	2,241	4,447	1,515	.....	1,309	675	.....	.....	25,153
Rockfish.....	4,553	11,391	15,405	41,105	3,094	4,036	7,658	4,745	9,091	23,605	22,612	11,719	160,195
Sardine.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	56
Sculpin.....	.....	.....	.....	17	89	.....	.....	.....	.....	.....	.....	.....	106
Sea-bass, Black.....	6,432	22,296	9,697	10,777	8,553	12,363	12,944	1,519	8,439	14,536	23,794	23,783	154,579
Sea-bass, White.....	2,495	14,599	12,244	4,293	6,353	1,033	11,569	26,589	164,908	36,060	18,474	30,140	309,044
Shark.....	753	.....	225	205	791	8,610	.....	.....	.....	.....	.....	.....	10,967
Sheepshead.....	2,264	1,034	685	298	.....	.....	.....	.....	1,412	1,861	439	1,216	10,133
Skate.....	535	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	155
Snail.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	929
Swordfish, Broadbill.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	363,496
Tuna, Albacore.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	29,919
Tuna, Bluefin.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	698,398
Tuna, Bonito.....	30,020	35,075	17,462	7,893	1,739	75,057	463,421	137,904	1,294	.....	.....	.....	601,498
Tuna, Skipjack.....	34,348	38,495	144,688	2,043,626	3,111,288	1,772,327	3,283,941	1,530,021	2,196,058	346,471	10,402	5,875	14,907,550
Tuna, Yellowfin.....	29,14379	2,175,539	4,032,613	2,395,925	6,946,107	8,374,335	9,211,568	5,065,531	3,344,429	4,530,145	3,833,196	2,000,428	36,794,170
Whitefish, Ocean.....	12,600	9,281	2,678	1,009	362	145	993	1,993	2,249	6,201	5,672	2,634	41,376
Yellowtail.....	103,160	56,695	218,235	89,796	142,973	174,949	861,599	1,647,311	853,434	37,767	13,541	66,556	4,377,198
Miscellaneous Fish.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	354
Crustacean:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lobster, Spiny.....	176,505	231,015	162,372	.....	.....	.....	.....	.....	.....	4,021	109,826	206,155	899,595
Mollusk:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Squid.....	.....	.....	.....	.....	.....	155	.....	.....	.....	.....	.....	.....	155
Total pounds.....	3,391,364	2,532,343	3,083,889	3,624,563	10,246,679	10,395,892	13,809,384	9,292,721	9,316,414	5,237,696	3,795,634	2,483,213	61,980,284

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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
Cabrilla.....					4,640	4,426							8,466
Sco-Inaa, Totuava.....		7,316	16,806	7,387	16,796	2,181				12,788		7,497	70,771
Total pounds.....		7,316	16,806	7,387	20,836	6,607				12,788		7,497	79,237
Grand total.....	3,926,798	3,705,649	5,931,572	5,849,139	10,608,465	12,330,734	16,011,897	10,584,429	10,226,241	5,877,163	9,695,991	3,535,539	97,786,147

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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
Barracuda.....	2,960,250		1,122,804		4,092,054
Cabezone.....	4,023				4,023
Cabrilla.....			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.....	13,661				13,661
Halibut, California.....	746,599		269,537		1,016,046
Halibut, Northern.....	375,565	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.....	80,908,992		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
Ratfish.....	750				750
Rock Bass.....	238,423		27,730		266,153
Rockfish.....	3,184,660	1,326	144,686		3,330,672
Sablefish.....	767,044				767,044
Salmon.....	2,730,180	28			2,730,208
Sand Dab.....	817,219	3,985			821,204
Sardine.....	1,160,793,581				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, Totuava.....			2,304,450		2,304,450
Sea-bass, White.....	806,604		187,782		994,386
Sea-trout, California.....	24				24
Shad.....	1,316,768				1,316,768
Shark.....	9,224,155		3,595		9,227,750
Sheepshead.....	38,399		12,962		51,361
Skate.....	336,724	130			336,854
Smelt.....	474,087		599		474,686
Sole.....	9,664,824	79,968			9,744,792
Split-tail.....	15,461				15,461
Sucker.....	53				53
Swordfish, Broadbill.....	328,630		268,790		597,420
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	31,188,950
Tuna, Yellowfin.....	457,405		109,960,396		110,417,801
Turbot.....	104,585				104,585
Whitebait.....	166,135				166,135
Whitefish, Ocean.....	24,281		19,407		43,688
Yellowtail.....	262,524		2,608,764		2,868,288
Miscellaneous Fish.....	269,962	1,175	778		271,815
Crustacean:					
Crab.....	5,941,961	2,544			5,944,505
Crab, Rock.....	3,984				3,984
Lobster, Spiny.....	378,828		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.....	1,162,056				1,162,056
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.....			314,907	11,970		1,931,024		2,147,901
Bermuda.....				2,418,311				2,418,311
Cabonno.....			208	3,888	190,499			194,595
Calappa.....					229	118,790	22,738	141,757
Corp.....		14,313						14,313
Cutfish.....		217,014						217,014
Curbita, Spanish.....						43,002		43,002
Cutthroat, Pacific.....	311,797		192,811	67,297	631	1,730	645	575,111
Flounder, Sharp.....	343,197	250	47,003	14,993	2,364		93	730,311
Flying Fish.....						20,125	114	20,239
Groupers.....						20,940	20,490	41,430
Hake.....	3,870		9,641	130				13,641
Halibut, California.....	1,728		25,911	26,867	390,531			1,014,044
Halibut, Northern.....	377,771		21		33			377,825
Harrow.....								12,921
Herring, Pacific.....	14,473		278,389	1,178	1,436		6,737	302,343
Kingfish.....			8,888		839	247,210	725	342,961
Mackerel, Horse.....						3,675,569	1,280	3,740,155
Mackerel, Pacific.....	18		95	826,433	30,083	73,654,557	6,398,138	80,909,774
Mackerel, Spanish.....						12,570	3,471	16,041
Mullet.....						97	2,971	3,068
Perch.....	4,573		57,293	23,023	20,396	30,773	243	146,185
Pike.....		183						183
Pompano, California.....					201	3,393		3,594
Rainbow.....			750					750
Rockfish.....					38,491	106,794	117,554	262,839
Rockfish.....	754,543		358,555	1,328,330	201,039	355,768	392,236	3,330,672
Salmon.....	395,099		18,137	33,419	23	122,633		767,094
Salmon.....	1,679,131	496,033	434,026	133,495				2,742,685
Sand Dab.....	219,896		512,030	84,025	2	5,174		921,028
Sardine.....		65,572,075	396,370,964	439,596,457		238,810,001	631,630	1,146,765,123
Sculpin.....					402	88,869	39,418	128,629
Sea-bass, Black.....					245	212,574	214,731	427,305
Sea-bass, Short-fin.....							2,600	2,600
Sea-bass, Tripterygion.....						2,304,450		2,304,450
Sea-bass, White.....			16,817	103,789	221,874	333,990	318,026	994,396
Seastar, California.....	11			13				24
Shad.....		1,814,205	470	2				1,815,677
Shark.....	38,472	1,540,193	3,091,314	1,873,893	2,698,123	200,801	34,191	9,377,790
Sheepshead.....					54,840	29,835	16,676	101,351
Shiner.....	36,630		294,305	30,733	31,664	11,307		394,635
Snail.....	21,735		172,313	99,231	24,637	148,970	7,730	474,686

REGION OF LANDING OF COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1939 - 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
Sole.....	4,128,333		4,207,821	1,174,532	216,694	5,533	1,539	9,744,792
Spill-tail.....		15,461						15,461
Sardine.....		35						35
Seawallah, Broadbill.....					75,069			75,069
Tomcod.....	8,865		820					9,685
Tuna, Albacore.....	2,922		462,274	4,328,822	1,561,735	9,321,449	543,617	16,427,224
Tuna, Bluefin.....			4,715		8,727	10,366,653	1,433,420	11,583,715
Tuna, Bonito.....				28	37,672	8,760,131	1,121,134	9,919,675
Tuna, Bigeye.....					19	14,255,904	16,921,935	31,187,859
Tuna, Yellowfin.....					75	26,190,712	74,267,014	110,417,801
Turbot.....	429		99,463	4,792				104,684
Whalefish.....	136,393		22,444	4,308				163,145
Winterfish, Ocean.....					13,516	10,644	16,528	40,688
Yellowtail.....					1,011,332	1,833,093		2,844,425
Miscellaneous Fish.....	111,625		72,364	6,136	10,201	69,904	1,673	271,859
Crustaceans:								
Crab.....	2,604,853		3,561,416	378,136				5,944,405
Crab, Rock.....					122,293	3,694		125,987
Lobster, Spiny.....						134,326		134,326
Shrimp.....			1,175,979	4,271				1,180,250
Mollusks:								
Abalone.....				798,450	1,011,917			1,809,467
Clam, Cockle.....	2				20	22,761		22,763
Clam, Gaper.....			3,938					3,938
Clam, Petric.....				16,339				16,339
Clam, Razor.....	175		75,167					75,342
Clam, Soft-shell.....	534							534
Clam, Washington.....	12,561							12,561
Mussel.....	1,909							1,909
Ostrea.....	2,338		3,002	23,355		167	549	26,011
Oyster, Eastern.....	6,522							6,522
Oyster, Japanese.....			1,378,118		19,342			1,397,460
Oyster, Native.....	1,905		11,840					13,745
Squid.....	300			1,097,815		62,789	1,435	1,162,059
Total pounds.....	10,720,995	99,185,712	413,775,915	442,512,761	6,872,449	405,343,276	107,589,348	1,490,223,458

MONTHLY COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1939

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Anchovy	17,502	6,205	99,014	58,797	34,532	15,685	11,293	12,401	167,283	829,704	383,754	499,484	2,147,901
Barramundi	141,728	230,018	497,767	509,094	416,567	507,294	309,099	329,456	278,473	352,646	279,596	265,791	4,092,044
Cabrilla	23	141	961	1,622	180	19	15	33	147	27	334	17	4,023
Cabrilla	13,888	8,744	8,021	11,333	33,188	15,213	8,144	.....	.....	.....	12,249	10,732	141,548
Carp	1,903	120	5,702	2,356	926	1,195	329	.....	389	301	259	999	14,113
Crabs	15,795	4,790	26,307	38,242	5,421	5,048	8,700	4,883	38,837	28,064	27,354	14,000	217,039
Cutlass, Mexican	2,034	11,116	24,528	910	98	2,092	.....	.....	16,031	14,401	30,773	2,791	43,902
Calico Pacific	17,733	22,692	104,914	35,910	11,408	32,771	62,356	.....	.....	152,819	54,940	19,399	373,111
Pompano, Striped	8,771	30,548	47,677	62,692	31,290	40,059	29,798	30,349	150,907	150,907	56,889	20,896	720,111
Flounder	.....	.....	.....	.....	2,653	4,212	3,865	5,712	.....	.....	.....	.....	20,371
Grouper	3,332	4,400	562	2,001	6,981	2,788	3,734	.....	1,550	1,033	7,600	8,433	41,430
Hake	1,930	1,410	.....	360	.....	180	2,043	400	2,050	1,292	2,095	300	13,561
Halibut, California	53,855	115,435	169,376	77,042	74,993	62,323	121,203	64,914	70,483	62,011	69,794	64,443	1,015,046
Halibut, Northern	10	21	.....	77,285	117,467	69,896	101,168	6,242	6,862	.....	.....	.....	377,835
Headbutt	2,208	21	.....	.....	.....	.....	.....	.....	.....	.....	820	9,820	12,921
Herring, Pacific	109,335	90,015	25,306	480	.....	.....	.....	.....	.....	.....	4,372	29,439	202,342
Kingfish	41,244	60,123	7,692	39,979	60,138	60,349	63,780	14,076	26,331	68,179	43,773	22,818	542,001
Mackerel, Horse	2,608,616	9,877	130,790	9,341	3,730	80,274	88,589	23,149	446,193	4,484	424,341	35,749	3,700,133
Mackerel, Pacific	9,576,255	25,616	901,746	62,636	69,883	1,892,188	4,073,099	4,863,322	2,980,829	10,762,275	20,006,696	19,157,969	80,600,774
Mackerel, Spanish	6,537	1,879	2,082	.....	121	.....	.....	.....	180	80	2,825	3,537	16,041
Mullet	1,020	678	603	.....	488	86	165	78	.....	.....	.....	.....	3,018
Perch	13,555	9,483	18,845	32,676	934	870	11,633	13,966	7,003	6,378	3,197	2,395	140,187
Pike	17	12	64	.....	12	.....	.....	.....	21	.....	25	89	183
Pompano, California	2	.....	290	62	65	100	13	97	405	1,083	958	330	3,404
Rock Bass	.....	12,134	14,309	14,309	9,115	41,345	60,734	62,085	11,460	17,565	19,039	18,096	299,133
Rockfish	27,499	228,377	662,309	409,563	384,478	274,104	224,089	138,111	141,461	109,823	291,491	278,817	3,330,672
Sablefish	3,552	10,777	61,073	11,461	41,770	37,765	66,603	164,826	153,449	66,465	83,881	107,445	767,044
Salmon	18,667	21,402	66,480	105,457	551,166	608,509	1,007,307	298,519	127,624	.....	2,881	32,807	2,760,308
Sand Dab	29,455	25,799	63,141	50,456	56,303	79,797	94,915	67,013	77,291	89,881	84,403	47,351	521,304
Sardine	202,299,114	62,912,000	33,973,817	518,822	331,198	312,786	309,884	417,344	47,434,353	223,420,595	280,107,447	308,754,970	1,166,791,581
Sardine	2,524	15,584	17,462	11,039	13,336	12,615	11,137	11,311	8,817	6,740	10,367	7,471	128,928
Southern Black	27,949	17,733	39,272	9,430	16,633	25,242	61,679	116,813	38,100	49,846	43,019	6,308	409,943
Southern Shortfin	.....	426,333	594,534	344,634	270,783	74,396	23,212	.....	.....	.....	138,881	355,325	2,000
Southern Tomcod	174,170	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3,304,430
Southern White	8,339	8,418	26,359	61,498	27,544	33,302	53,216	64,140	208,846	206,955	130,316	54,573	994,995
Sea-trout, California	.....	1,438	110,881	383,529	82,137	.....	.....	.....	.....	.....	.....	.....	24
Shad	.....	326,471	23,851	8,839	941,419	1,459,806	1,141,330	899,125	622,337	793,683	1,035,000	1,361,003	9,227,569
Shark	877,279	226,471	5,108	5,108	5,108	1,917	496	2,121	2,410	2,097	18,978	14,882	71,091
Sturgeon	4,640	7,445	8,460	.....	.....	.....	.....	.....	.....	.....	.....	.....	326,584
Shark	61,127	61,086	31,733	17,091	20,213	21,791	24,962	25,792	32,462	28,159	25,760	27,943	326,584

MONTHLY COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1929—Continued

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Smelt.....	61,790	59,571	59,942	35,016	22,923	30,873	32,890	43,711	34,582	38,939	28,696	25,693	474,688
Sole.....	696,721	1,482,668	973,496	767,248	861,121	762,447	684,516	714,132	669,700	772,500	808,115	561,076	8,744,792
Sillago.....	1,477	318	466	112	40				30	3,653	4,788	4,305	15,461
Sucker.....	22	21											53
Swordfish, Broadbill.....						29,387	211,546	238,879	91,709	21,274	321	475	594,569
Tomcod.....	390		1,015										4,615
Tuna, Albacore.....	30,896	108,333	286,487	924,098	436,132	1,202,208	1,299,761	2,286,436	2,262,131	2,449,357	44,389	895	16,421,294
Tuna, Bluefin.....			10,401	496,323	2,668,983	1,664,410	2,766,461	3,833,694	367,231	2,253	4,693	430	11,833,715
Tuna, Bonito.....	96,464	5,373	44,905	364,687	566,554	1,141,266	263,328	3,267,458	1,863,268	1,627,934	216,677	121,867	9,818,423
Tuna, Skipjack.....	359,425	928,119	1,465,091	2,029,961	3,073,529	1,906,177	3,861,227	3,090,950	5,197,551	3,461,550	3,680,411	3,156,747	21,185,690
Tuna, Yellowfin.....	1,049,949	8,439,938	10,921,465	12,948,262	10,858,119	10,532,241	11,693,579	18,858,419	2,994,770	7,197,252	6,576,699	7,593,606	116,417,601
Walrus.....	1,390	3,308	11,842	7,052	7,797	10,361	8,740	13,191	21,651	9,956	5,780	2,995	104,583
Whalefish.....	9,867	28,324	22,863	21,208	21,092	19,043	18,839	16,366	1,617	469	52	1,494	166,135
Whorled Octopus.....	10,751	4,099	3,846	1,617	294	863	326	1,569	1,368	1,346	4,868	16,332	43,688
Yellowtail.....	30,169	11,558	37,422	156,135	42,899	68,561	427,128	312,000	398,065	196,099	391,832	201,130	2,666,288
Miscellaneous Fish.....	15,627	16,098	18,891	23,646	36,142	28,309	20,055	15,561	17,642	16,694	25,799	37,281	271,553
Crustaceans.....													
Crab.....	461,838	441,648	715,902	763,549	784,142	695,413	702,058	490,515	11,700		355,106	472,515	5,944,503
Crab, Rock.....	30	715	1,872	200	95	200	469	20			38	395	3,084
Lebster, Spiny.....	342,498	292,549	197,947							128,293	146,276	192,393	1,280,495
Shrimp.....	84,658	54,561	74,763	67,823	65,366	224,913	196,130	114,793	104,999	77,437	54,435	30,922	1,180,290
Mollusks.....													
Abalone.....	3,800		244,099	224,491	255,025	136,363	260,837	252,813	311,004	62,435	33,333	29,625	1,804,140
Clam, Cockles.....	1,821	1,869	3,261	2,065	2,465	2,273	1,643	743	620	3,949	1,290	1,021	22,670
Clam, Gaper.....	266	494	422	467	336	454	414	360	249	220	212	198	3,074
Clam, Pismo.....	13,422	16,643	16,943	12,946	14,674	17,369	20,320	18,906	17,696	16,481	15,175	13,960	192,094
Clam, Razor.....			35	80	60	60	20						175
Clam, Soft-shell.....	7,149	6,636	6,967	6,983	7,227	7,091	6,894	6,627	5,997	5,889	5,922	4,617	75,721
Clam, Washington.....	2,664	2,797	1,056	1,614	446	434	377	194	2,932	1,594	2,890	2,094	21,133
Mussel.....						1,900							1,900
Octopus.....	1,135	1,990	6,143	5,943	4,255	3,096	2,913	1,965	761	145	615	459	29,116
Oyster, Eastern.....	12,249	15,153	13,768	10,701	6,055	5,544	5,015	5,666	9,521	17,844	12,307	30,564	139,694
Oyster, Japanese.....	127,691	196,309	179,686	174,792	119,149	89,143	65,828	72,723	106,497	172,636	192,241	174,067	1,398,460
Oyster, Western.....	1,963	1,781	1,112	71		1,641	2,727	1,880	428	110	10	2,076	13,751
Scallop.....	21,344	255	20,155	200,065	46,570	200,155	158,015	30,565	62,945	38,690	62,251	2,090	1,102,096
Squid.....													
Total pounds.....	219,527,432	76,879,316	83,292,792	22,178,951	24,325,781	25,398,943	30,680,446	40,111,909	81,766,395	253,564,919	316,027,694	342,518,837	1,486,233,438

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
Codfish, Pacific.....	1,492	9,880	87,515	21,133	23,962	16,256	35,881	43,184	22,392	37,349	35,627	5,374	310,347
Flounder, Steady.....	728	1,244	22,283	31,275	19,183	28,290	11,589	43,220	24,700	19,300	12,913	2,233	242,197
Hake.....			200	211	250	395	115	100	460		2,330		3,870
Halibut, California.....				865	140	1,370							1,735
Halibut, Northern.....			77,690	117,467	68,981	100,147	5,282	6,992					374,611
Herring, Pacific.....			10,075	4,490									14,475
Macaroni, Pacific.....							1,393	88					1,481
Perch.....	12	13	1,829	1,289									4,475
Rockfish.....	12,547	9,373	98,137	109,888	113,355	24,847	72,282	50,289	48,433	78,830	109,379	29,365	783,217
Salmon.....	230	1,009	19,022	27,741	11,367	25,497	82,681	147,634	181,060	47,783	90,448	4,129	898,988
Sablefish.....				34,877	253,127	365,820	612,081	279,014	197,784				1,873,123
Sole.....			12,845	33,455	26,404	30,998	22,947	26,485	4,830	12,315	29,880	14,436	215,330
Sand Dab.....				11									11
Sea- trout, California.....													
Shark.....	1,333	1,423	2,983	1,272	1,040	573	4,900	338	9,223	2,056	11,871	1,568	35,472
Skate.....	150	140	3,576	3,190	6,245	8,280	12,618	8,289	4,100	410	920	1,429	58,320
Squid.....			27	460	91	264	2,321	2,429	2,809	6,040	5,467	179	21,735
Sole.....	38,035	22,748	490,094	664,391	640,650	491,742	342,177	315,415	165,460	272,455	595,584	108,840	4,035,383
Tuna.....			873					2,695			2,355	873	3,805
Tuna, Albacore.....					420								7,977
Trout.....								9,653	735	107			420
Whiting.....	9,291	27,297	20,148	28,422	18,727	11,267	14,844	9,623	735	107			139,253
Miscellaneous Fish.....	610	455	8,103	17,253	16,143	18,290	13,913	9,325	3,018	6,491	9,366	6,485	110,450
Crustacean:													
Crab.....	41,700	112,802	265,370	349,246	393,958	305,645	271,676	195,706	11,700			43,535	2,002,409
Mollusk:													
Clam, Cockle.....											2		2
Clam, Razor.....				25	40	50	40	20					175
Clam, Soft-shelled.....				48	42	19	23	12					134
Clam, Washington.....	2,404	2,470	2,792	1,243	78				2,519	1,644	2,361	1,830	17,561
Mussel.....					1,900								1,900
Ostrea.....	72		923	1,014	115		44		153	41	25	16	2,538
Oyster, Eastern.....	600	3,882	1,900								25	10	6,522
Oyster, Native.....													1,903
Total pounds.....	110,320	291,073	1,011,969	1,387,086	1,056,869	1,387,149	1,005,335	1,140,025	599,325	492,055	781,920	258,994	10,685,300

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
Codfish, Pacific.....						1,450							1,450
Halibut, Northern.....				175		95							1,160
Rockfish.....						1,326							1,326
Salmon.....				5		2							7
Sand Dab.....				175		3,810							3,985
Starfish.....						150							150
Subtotal.....				6,300		73,668							79,968
Marine Fish.....						1,173							1,173
Crustaceans:													
Crab.....				216		2,378							2,594
Mollusk:													
Scallop.....						300							300
Total pounds.....				6,572		85,194							92,066
Grand total.....	110,330	201,073	1,041,969	1,394,838	1,636,869	1,472,343	1,003,333	1,140,023	559,325	402,055	751,920	255,994	10,750,995

COMMERCIAL FISH LANDINGS IN SACRAMENTO REGION DURING 1939

Fishing Boat Landings from California Waters													
Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Carp.....	1,303	130	3,792	2,346	926	1,193	829		389	301	293	969	14,213
Catfish.....	15,793	4,740	26,367	25,342	5,421	5,045	8,700	4,855	35,815	29,664	27,334	16,003	217,014
Pompano, Striped.....			35										35
Hardhead.....	2,368	21	22										2,411
Pike.....	17	22	22										61
Salmon.....	15,567	5,642	35,608	31,247	279,446	34,630		3,075	9,900		2,561	32,257	499,933
Sardine.....	25,468,100	1,438	109,951	360,547	831,379				21,533,100	22,028,110	34,306,165		55,572,075
Shad.....													
Shiner.....	1,477	318	466	112	40				272,093	315,064	406,671	354,731	1,348,185
Split-tail.....	22	31							20	2,635	4,788	4,300	15,401
Sturgeon.....													53
Total pounds.....	25,446,099	16,372	178,190	475,394	1,107,224	60,873	73,338	138,307	315,240	24,182,094	22,457,572	24,736,685	99,185,713

COMMERCIAL FISH LANDINGS IN SAN FRANCISCO 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.....		2,675	92,885	61,290	26,400	11,340		1,000	637	1,290	15,590		214,907
Cabernia.....		98	80	30									208
Calico, Pacific.....	10,054	12,505	34,124	25,897	17,277	10,604	10,244	10,015	30,871	10,735	5,560		192,311
Flounder, Starry.....	6,562	45,689	22,945	9,334	9,015	10,652	10,015	32,000	129,540	130,572	42,189	17,670	475,092
Hake.....	1,050	1,610					2,260	343	2,550	232	345	380	9,441
Halibut, California.....	155	7,540	2,495	2,272	1,233	450	754	850	1,115	5,065	4,024	3,376	25,581
Halibut, Northern.....							21						21
Herring, Pacific.....	100,530	78,890	20,325								4,050		14,224
Kingsfish.....	945		890	18	1,770	385	10			1,090			278,599
MacKenzie, Pacific.....													5,395
Perch.....	4,826	4,840	10,041	10,580			2,621	5,387	5,833	4,739	1,969	1,238	87,905
Rockfish.....													750
Rockfish.....	47,879	75,991	70,415	30,127	23,735	16,482	11,700	14,633	40,927	13,116	15,060	19,499	388,566
Sablefish.....			630	494	1,419	496	1,690	3,112	525	1,449	1,126	3,365	14,737
Salmon.....	900	11,700	3,297		13,010	56,139	333,300	16,430					434,626
Sand Dab.....	35,034	35,445	46,300	5,331	10,014	27,032	60,312	35,490	70,471	70,750	42,491	22,003	512,099
Sardine.....	54,725,064	6,700	1,600	85,200	30,700	31,000	180,340	293,000	443,000	89,287,502	120,977,313	120,104,120	396,770,004
Sea-Run, White.....			470						8,092	7,722	522	491	16,817
Shad.....													470
Shark.....	432,940	237,147	17,123	1,490	7,179	16,095	147,789	376,341	265,965	410,400	476,297	708,053	3,061,254
Slate.....	34,916	33,201	21,617	2,575	5,413	5,863	2,064	11,322	25,706	21,566	16,376	16,117	204,608
Smelt.....	20,303	33,345	30,000	10,349	3,854	10,450	10,450	10,791	8,092	1,135	1,987	5,772	172,313
Sole.....	614,796	721,171	400,554	50,050	81,172	128,791	232,596	302,509	487,665	443,065	242,751	377,044	4,307,521
Tomcod.....	360		140								50	220	770
Tuna, Albacore.....							2,156	456,712	5,336				462,574
Tuna, Bluefin.....													4,713
Trout.....	250	2,146	11,492	2,091	2,505	10,320	5,430	13,101	21,631	9,745	8,354	2,500	60,053
Whitefish.....	919	207	2,408	2,091	4,462	5,817	1,035	446	784	442	82	1,044	22,444
Miscellaneous Fish.....	12,795	13,502	9,063	1,550	771	1,042	2,938	5,073	5,313	7,648	5,031	7,438	72,364
Crustaceans:													
Cray.....	300,410	277,050	303,054	344,546	373,312	377,314	427,000	305,700			272,880	420,440	3,561,416
Shrimp.....	51,554	64,082	73,974	67,446	90,506	224,913	190,125	114,793	104,999	77,437	33,410	28,490	1,175,979
Mollusk:													
Clam, Cockle.....	30	20	33	37	50	23	19			4	11	10	287
Clam, Gaper.....	203	404	423	407	300	454	434	380	240	230	212	191	3,338
Clam, Nuttall.....	2,113	6,094	6,516	6,032	7,195	7,015	6,971	6,539	5,332	5,590	5,575	4,917	75,187
Clam, Washington.....	250	327	336	371	308	434	377	184	104	190	219	214	3,574
Octopus.....	40	160	1,157	703	821	135	180				48	30	3,007
Oyster, Pacific.....	12,649	11,173	15,863	16,701	6,053	5,264	5,013	5,608	9,831	12,844	12,167	20,094	124,162
Oyster, Japanese.....	125,585	193,348	176,892	171,482	116,138	77,825	65,040	73,730	106,497	172,630	162,381	130,097	1,879,118
Oyster, Native.....	1,965	1,731	1,112	71		1,041	2,757	1,800	429	110		181	11,546
Total pounds.....	60,038,498	1,889,946	1,450,170	924,013	856,047	1,044,327	1,764,323	1,758,057	2,222,053	90,716,325	122,476,942	126,022,201	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	55	450	5,040	5,040	1,300	300	2,455	1,250					11,970
Cabazon	73	43	655	1,877	150	195	15	329	125	27	334	17	3,599
Calfas, Pacific	6,335	5,116	10,907	8,111	10,001	4,123	6,123	3,839	1,073	2,509	8,435	4,015	47,257
Flounder, Starry	1,181	5,611	2,353	2,093	3,093	1,017	1,240	125	105		595	235	10,295
Hake				150									150
Halibut, California	5,032	1,259	924	915	899	2,318	10,735	5,534	555	755	1,495	1,095	28,517
Herring, Pacific	185	990											1,175
Kingfish	17,160	6,784	9,245	10,622	22,063	20,074	24,307	5,709	8,349	22,443	17,132	12,765	190,682
Macrone, Hops	1,091	9,559	7,847	9,341	3,235	5,444	17,304	10,309	7,749	1,154	8,597	534	82,495
Macrone, Pacific	22,485	12,754	34,436	23,585	21,495	10,709	33,517	50,373	300,323	101,052	83,379	73,171	828,433
Perch	1,789	67	5,292	10,499	15		6,295	991	164	789		160	35,033
Pompano, California					31	66	5	5					101
Rockfish	135,256	45,895	180,092	150,051	180,458	155,209	51,212	69,029	21,107	49,796	109,655	120,101	1,328,339
Shadfish		225	10	52	4,003	10,109	10,499	290	162	1,112	6,547	1,112	33,518
Salmon			18,827	18,827	18,827	18,827	18,827	18,827	18,827	18,827	18,827	18,827	188,270
Sand Dab	1,051	1,017	5,342	7,500	16,245	5,470	12,160	4,552	5,111	5,225	10,074	854	54,625
Sardine	69,495,579	84,479	130,095	101,275	262,445	294,756	196,239	79,473	46,967,036	100,789,035	97,411,321	104,809,085	429,599,457
Sea-bass, Black				412								245	245
Sea-bass, White	12	105	84	417				22,019	39,629	10,846	27,104	3,436	105,738
Sea-trout, California								13					13
Shad	427,572	69,552	5,269	5,405	5,810	21,452	422,728	300,097	36,941	55,457	190,479	288,283	1,523,882
Shark	4,155	2,240	1,436	3,494	5,880	5,756	5,021	792	586	2,477	1,799	1,059	30,755
Squid	22,188	985	5,878	1,771	1,727	6,073	12,566	15,097	9,469	10,239	5,716	3,891	99,231
Sole	20,024	719,081	44,217	71,299	115,997	46,999	39,099	997	2,272	46,327	47,418	4,611	1,174,322
Tuna, Albacore								917,702	2,831,057	778,753	700		4,528,922
Tuna, Bonito													17
Turbot	1,050	700	200	301	671	552	100		11	175	335	335	4,702
Whitefish			357	1,881	903	1,396	51						4,395
Miscellaneous Fish	255	175		1,136	2,015	959	425	17	60	375	245	175	6,196
Crustaceans:													
Crab	136,745	50,990	82,474	49,532	16,962	16,122	2,493	50			12,239	8,436	375,136
Shrimp	474	379	78								675	1,062	4,271
Mollusk:													
Abalone			129,650	126,023	134,850	23,300	61,973	115,350	65,650	56,330	735	12,873	789,450
Clam, Cape					39								39
Clam, Furrow	1,010	1,572	2,699	844	8,632	2,000	2,612	1,095	1,031	2,709	2,485	1,805	16,330
Ostrea	1,795	1,795	4,298	4,298	8,632	2,000	2,612	1,095	1,031	2,709	2,485	1,805	23,535
Squid	6,740	233	68,700	389,095	45,570	302,820	185,015	30,565	42,945	7,055	22,015	2,000	1,067,515
Total pounds	70,323,432	1,020,179	758,708	1,101,490	895,164	950,142	1,218,421	1,705,120	50,314,353	110,954,572	97,917,184	105,332,926	442,512,761

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
Barracuda.....		14,551		7,909	160	135		110	16,531	11,467	16	18,174	68,959
Cabonara.....			196	25				9				28	229
Codrus, Pacific.....	20	38	369	229	152				7	56	11	93	831
Flounder, Starry.....			68						471	966	1,219		2,594
Pring Fish.....						13,315	68	13					13,396
Halibut, California.....	21,300	24,165	28,712	17,666	20,346	25,310	20,570	33,360	30,999	36,959	20,119		230,913
Halibut, Northern.....	10	22											32
Herring, Pacific.....			911	483									1,394
Kingfish.....			60	135	86								281
Mackerel, Pacific.....	3,422	2,021	987	179		809	1,609	305	6,151	4,453	5,974	5,183	30,683
Porch.....	328	1,713	2,844	1,169		3	49	2,026	96	7	294		30,366
Rock Bass.....	2,707	2,135	8,465	2,907	1,835	7,780	3,004	2,746	1,160	189	1,901	4,634	39,401
Rockfish.....	29,613	22,665	33,389	26,719	2,546	19,590	3,308	5,274	2,346	3,068	21,377	28,796	201,079
Salmon.....													23
Sardine.....	220		2,450	240	80	418					197		3,025
Sardine, Dory.....													102
Scallop.....	18	13	263			19							313
Ses-dan, Black.....	1,118	1,821	3,138	3,192	1,331	1,840	1,364	712	180	19	99	44	13,173
Ses-dan, White.....	2,494	1,396	13,178	4,782	982	375	496	326	66,022	66,397	30,099	22,992	271,574
Shorplehead.....	718	59	614	631	1,616		245	405	768	19	10,029	9,713	24,449
Shark.....	13,096	13,328	20,427	17,000	570,161	1,363,808	449,635	15,609	5,576	4,174	6,633	16,142	2,480,123
Sole.....	2,694	3,420	1,663	909	2,290	2,253	1,496	1,623	1,269	3,485	3,665	6,065	31,564
Squid.....	2,276	4,367	1,901	10,622	2,560	729	901	705	438	141	33	234	24,637
Sole.....	5,559	16,745	29,543	28,623	20,065	17,540	63,133	2,288	14,138	16,990	7,882	8,816	216,094
Sturgeon, Broadbill.....							17,543	28,746	28,466	2,083			75,998
Tuna, Albacore.....							11,942	65,084	720,771	723,821	16,136		1,561,555
Tuna, Bluefin.....							7,066	2,638	94				9,798
Tuna, Skipjack.....	20			119			209	6,092	12,295	10,711	8,571	444	37,572
Tuna, Yellowfin.....								38					38
Whitefish, Ocean.....	2,145	1,198	345	479	233	11	180				2,395	6,473	13,516
Miscellaneous Fish.....	1,418	1,043	383	1,053	566	3,375	396	237	502	227	520	179	10,201
Crustaceans:													
Lobster, Spiny.....	11,193	8,341	3,844							44,933	39,013	18,611	122,238
Mollusks:													
Abalone.....	3,700		114,262	88,050	119,650	102,650	178,175	137,690	222,700	6,050	22,600	17,690	1,011,627
Clam, Cockles.....				20									20
Clam, Furrow.....	12,403	13,010	14,856	12,142	14,674	17,549	20,339	16,809	16,085	13,772	12,710	12,095	176,964
Ostrea.....	2,468	2,660	85	3,211	3,011	2,330	61					11	167
Oyster, Japanese.....			2,963				2,738						5,676
Total pounds.....	116,657	136,441	284,441	228,656	768,348	1,344,820	779,798	355,749	1,157,009	952,822	229,345	306,623	6,790,702

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	20,973	54,405	.....	.....	.....	.....	.....	.....	.....	.....	.....	111,540
Sea-bass, Black.....	.....	.....	200	.....	.....	.....	.....	.....	.....	.....	.....	.....	200
Total pounds.....	36,100	20,973	54,605	.....	.....	.....	.....	.....	.....	.....	.....	.....	111,740
Grand total.....	132,737	137,416	339,106	228,656	768,345	1,544,520	779,795	355,749	1,157,009	952,822	229,345	296,623	6,872,449

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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	17,527	3,269	3,029	4,017	4,772	4,943	8,839	10,686	169,646	828,444	378,254	499,484	1,821,024
Barnacle	21	62,867	316,879	366,982	336,219	413,328	171,106	124,963	37,991	100,396	4,516	8,886	1,941,683
Catfish	27	84	136	24	2,053	4,099	3,797	5,699	3,879	41	1,150	28	20,126
Crabs, Pacific	26,485	44,119	70,995	34,023	24,940	41,498	26,992	13,513	9,093	5,495	5,181	9,094	319,498
Crabs, California	23,469	38,399	62,091	40,199	34,967	19,947	9,223	8,241	17,999	24,944	26,382	8,556	347,219
Crabs, Horse	2,677,333	47	122,093	485	34,966	30,003	14,941	438,455	5,339	415,644	33,345	3,676,390	7,684,587
Crabs, Pacific	2,340,394	10,199	88,017	26,564	40,254	1,034,454	2,523,961	8,795,084	7,888,114	10,063,133	19,396,329	17,123,778	72,684,587
Crabs, Pacific	7,697	1,734	3,535	2,343	919	467	286	2,141	449	835	635	1,067	30,773
Pompano, California	2	269	62	34	4	11	42	397	1,093	938	330	3,903	3,903
Rock Bass	2,994	3,934	8,496	3,919	2,796	29,996	23,979	13,249	2,965	4,561	5,941	3,712	101,586
Rockfish	37,784	33,742	75,730	41,963	15,969	30,222	14,947	4,711	7,706	9,927	17,629	19,179	310,415
Salmon	2,720	18,441	26,331	16,433	13,319	6,471	5,899	2,903	4,112	5,721	17,799	2,139	122,650
Sand Dab	449	647	934	561	449	477	394	79	127	301	796	333	3,178
Sardines	43,546,337	62,569,470	55,568,317	340,330	7,565	9,758	13,465	44,114	122,173	506,003	39,529,529	53,417,132	238,516,091
Sardines	2,197	5,029	10,759	1,427	9,659	12,656	11,157	6,179	4,683	6,096	4,739	3,777	84,808
Sea Bass, Black	1,659	229	874	1,111	4,736	2,216	947	1,195	504	255	525	569	15,263
Sea Bass, White	1,579	354	9,565	56,456	36,519	11,099	12,651	7,217	69,385	84,941	46,113	3,379	332,721
Shark	1,893	2,332	6,979	20,349	56,129	33,137	37,312	9,227	25,795	6,997	5,045	3,159	208,254
Shrimp	1,166	6,044	6,343	3,926	3,917	506	251	1,067	1,005	797	1,579	1,888	29,142
Shrimp	1,392	1,907	3,443	649	351	1,457	991	815	815	209	209	38	11,397
Sole	17,118	26,994	117,760	12,173	14,324	5,534	3,415	8,249	10,452	14,023	14,635	12,564	148,970
Sole	456	928	1,159	649	347	541	618	150	194	252	179	29	4,593
Spotted Tail, Broadbill	23,314	65,387	64,559	29,373	12,564	321	194,967	924,885	134,555	16,197	33,245	194,967	1,693,484
Tuna, Albacore	500,772	924,885	134,555	16,197	33,245	46	1,021,569	3,343,734	180,643	46	1,021,569	3,343,734	7,012,653
Tuna, Bluefin	65,069	3,738	26,445	204,759	1,451,321	910,554	1,021,569	3,343,734	180,643	46	1,021,569	3,343,734	5,775,751
Tuna, Bonito	65,069	3,738	26,445	204,759	1,451,321	910,554	1,021,569	3,343,734	180,643	46	1,021,569	3,343,734	5,775,751
Tuna, Skipjack	65,069	3,738	26,445	204,759	1,451,321	910,554	1,021,569	3,343,734	180,643	46	1,021,569	3,343,734	5,775,751
Tuna, Yellowfin	65,069	3,738	26,445	204,759	1,451,321	910,554	1,021,569	3,343,734	180,643	46	1,021,569	3,343,734	5,775,751
Whitefish, Ocean	2,167	1,399	2,170	95	39	269	19	145	73	112	481	799	174,291
Yellowtail	2,851	817	1,340	65,996	2,613	6,053	804	837	3,693	56	808	16	103,274
Miscellaneous Fish	2,851	817	1,340	2,150	16,621	3,193	1,993	1,053	8,903	1,029	9,915	22,824	69,694
Crustaceans	39	713	1,812	200	96	200	469	20	52,371	38	305	3,994	170,716
Crabs, Rock	17,594	7,419	2,033	200	96	200	469	20	52,371	38	305	3,994	170,716
Crabs, Spiny	17,594	7,419	2,033	200	96	200	469	20	52,371	38	305	3,994	170,716
Mollusks	100	1,699	187	286	323	413	737	413	254	38	1,773	1,274	3,053
Abalone	1,791	1,699	3,343	2,096	2,496	2,306	1,624	743	626	1,773	1,274	991	20,598
Clam, Cockle	11	19	2	2	2	2	2	2	2	2	2	2	20
Octopus	11,691	1,699	1,699	1,699	1,699	1,699	1,699	1,699	1,699	1,699	1,699	1,699	62,796
Squid	11,691	1,699	1,699	1,699	1,699	1,699	1,699	1,699	1,699	1,699	1,699	1,699	62,796
Total pounds	60,601,201	62,795,300	35,235,872	1,299,539	2,699,765	2,699,073	5,447,374	11,553,299	16,292,445	13,382,639	66,077,015	71,374,737	337,948,888

COMMERCIAL FISH LANDINGS IN LOS ANGELES REGION DURING 1929—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.....									703,151	502,872			1,206,023
Total pounds.....									703,151	502,872			1,206,023

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.....	57,383	68,954	26,002							97,244	106,708	58,277	476,528
Cabrilla.....	13,058	8,679	6,511					8,315	6,089		12,118	10,213	88,370
Calico, Pacific.....			173										173
Crappie.....	5,332	3,784	262				2,604				3,333	3,433	20,949
Halibut, California.....			13,674										13,674
Mackerel, Spanish.....	5,337	936	2,082										12,570
Rock Bass.....	1,796	3,121											4,917
Rockfish.....			40,573										40,573
Sardine, Black.....	11,499	6,999	4,652			564	7,590	61,983	26,724	41,684	20,594	2,042	182,149
Sardine, White.....	128		294					37	37		23	212	519
Shark.....					1,008								1,008
Shrimp.....		287	607										894
Swordfish, Broadbill.....								31,909	43,010				74,919
Tuna, Albacore.....													560
Tuna, Bluefin.....			10,803	199,763	1,006,626	747,065	218,467	290,136	13,110	2,455			2,456,576
Tuna, Bonito.....	8,415	1,339			4,573	10,180	98,771	2,967,539	668,627	220	19,941		3,188
Tuna, Skipjack.....	198,825	267,194	567,602	1,000,439	2,263,622	632,190	2,627,725	1,043,817	1,618,848	674,194	899,604	313,304	11,016,614
Tuna, Yellowfin.....	733,412	1,153,824	2,994,901	7,243,348	6,294,806	3,004,229	3,193,134	3,786,424	1,887,943	1,623,719	910,044	180,264	28,190,623
Whiting, Ocean.....	480		2,283										2,863
Yellowtail.....	9,283	3,367	2,538				312,534	100,061	180,781	263,437	4,615	20,251	907,378
Miscellaneous Fish.....	100				24								100
Crustacean.....													224
Loberster, Spiny.....											1,200	12,000	13,200
Total pounds.....	1,028,370	1,850,373	2,787,281	9,133,000	9,467,314	3,185,669	8,190,099	9,411,888	4,473,684	1,840,397	2,099,446	1,315,082	56,428,829

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Shipments from North of State Boundary													Total pounds
Species	January	February	March	April	May	June	July	August	September	October	November	December	
Tuna, Albacore.....								121,507	1,823,620	401,330			2,346,456
Tuna, Bluefin.....									44				44
Total pounds.....								121,507	1,823,703	401,330			2,346,540

Shipments from South of International Boundary													Total pounds
Species	January	February	March	April	May	June	July	August	September	October	November	December	
Cabealla.....	830	65	1,510		11,333	12,927	1,410	1,433			122	339	30,311
Caribina, Mackerel.....	2,634	11,116	24,328	350	95	2,995					2,796		43,692
Sea-bass, Black.....		115											115
Sea-bass, Tautog.....	174,170	426,333	594,634	344,634	270,733	74,333	35,213				130,551	255,535	2,304,450
Miscellaneous Fish.....		26											26
Mollusk:													
Clam, Cockle.....										2,163			2,163
Total pounds.....	177,634	437,609	620,372	345,014	282,204	86,351	26,622	1,433		2,163	141,801	256,064	2,350,370

Shipments from Japan													Total pounds
Species	January	February	March	April	May	June	July	August	September	October	November	December	
Tuna, Albacore.....	20,806	168,333	349,407	924,098	436,182	1,302,298	773,545	131,306	88,408				4,076,376
Tuna, Skipjack.....		210,059	102,552	24,672				36,941	87,593		145,149	496,102	1,066,059
Total pounds.....	20,806	318,412	452,239	948,170	436,182	1,302,298	773,545	171,247	146,301		145,149	496,102	5,142,435
Grand total.....	61,825,080	65,101,948	30,109,084	11,726,623	12,915,638	10,086,421	14,429,643	20,609,264	17,329,657	16,088,301	62,433,312	73,334,973	605,543,376

COMMERCIAL FISH LANDINGS IN SAN DIEGO REGION DURING 1929

Fishing Boat Landings from California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Burmese	81	6,212	78,246	181,627	90,188	93,591	138,581	202,405	77,229	69,539	18,809	.....	958,698
Calfornia Pacific	89	.....	.....	.....	.....	42	35	.....	.....	.....	.....	.....	116
Flounder, Starry	.....	.....	.....	.....	.....	.....	89	.....	.....	.....	.....	.....	98
Flying Fish	.....	.....	.....	.....	.....	.....	114	.....	.....	.....	.....	.....	114
Halibut, California	13,559	8,003	3,181	6,092	426	272	8,290	808	4,063	6,231	475	.....	49,495
Herring, Pacific	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6,787
Kingfish	83	142	76	48	.....	.....	.....	.....	.....	.....	.....	.....	650
Mackerel, Horse	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,290
Mackerel, Pacific	9,002	712	24,596	10,205	8,691	817,835	1,018,729	706,438	77,425	622,912	567,102	1,988,387	6,398,599
Mullet	1,039	678	303	.....	469	86	.....	103	.....	.....	.....	.....	2,521
Perch	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	245
Rock Bass	911	1,004	1,978	1,188	2,510	8,783	31,561	21,050	6,636	11,656	8,333	8,909	97,286
Rockfish	11,492	18,202	49,850	9,329	14,329	30,114	35,219	12,655	3,094	6,747	5,808	3,113	202,843
Sardine	38,901	312,290	276,662	577	863	6,823	839	855	574	1,346	161,003	37,905	821,629
Sculpin	3,539	7,642	6,339	2,469	3,677	207	.....	1,894	948	640	6,103	3,782	39,290
Southern Rockfish	246	45	45	.....	.....	.....	.....	.....	.....	.....	.....	.....	451
Southern Shortfin	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,600
Southern Whitefish	882	431	1,060	6,706	3,213	16,614	36,226	32,948	16,476	13,213	1,968	203	131,403
Shark	827	1,189	1,000	2,027	1,635	692	11,692	177	8,620	2,602	1,253	28	31,845
Sheepshead	664	232	199	82	.....	.....	.....	19	.....	666	1,207	724	4,408
Snail	4	.....	1,393	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,778
Sole	10	22	997	18	.....	.....	.....	.....	.....	.....	.....	.....	1,820
Swordfish, Broadbill	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	38,543
Tuna, Albacore	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	105,882
Tuna, Bluefin	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,391,859
Tuna, Bonito	20,082	20	423	238,321	230,294	23,515	160,311	162,425	7,619	37,494	11,063	26,556	980,898
Tuna, Skipjack	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,544,400
Tuna, Yellowfin	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	417,203
Whitish, Ocean	732	219	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,066
Yellowtail	.....	.....	1,311	2,008	19,071	56,342	20,027	20,992	4,392	12,833	123	7,999	189,350
Miscellaneous Fish	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,947
Crustacean:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lobster, Spiny	3,731	2,638	1,896	.....	.....	.....	.....	.....	.....	30,927	34,373	10,389	83,974
Mollusk:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Squid	.....	.....	1,455	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,455
Total pounds	107,139	360,579	456,005	488,851	551,414	1,401,102	2,481,968	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									431,042	12,001			436,043
Total pounds									434,042	12,001			436,043

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	48,173	56,423	17,373	7,666			240		3,675	126,729	74,095	52,399	334,726
Calappa							17,355	5,493					22,758
Collette, Pacific							479						479
Croaker		666		2,091	4,981		182	5,734					20,600
Halibut, California	20,511	24,569	26,231	17,489	19,477	2,771	49,999	14,203	26,992	7,492	26,392		245,699
Kingfish												11,298	11,298
Mackerel, Pacific	365											75	440
Mackerel, Spanish		943					121		125				3,292
Rock Bass	984		382	4,385	4,960	5,995	429		1,493	1,799	1,536	3,032	20,608
Rockfish	2,555	19,365	4,475	15,553	14,365	3,344	1,500		12,276	6,917	13,374	2,729	96,293
Sculpin				129									129
Sea-bass, Black	13,336	8,542	32,153	5,121	8,878	23,211	51,452	51,526	10,090	4,412	17,495	3,297	238,470
Sea-bass, White	890	930	4,418	1,075	2,430	1,126	7,794	1,279	99,354	24,100	22,198	25,749	188,033
Shad	69			1,248	492		519						2,346
Sheepshead	2,402	762	696	419			1,399		637		420	2,681	12,298
Snail								148					148
Swordfish, Broadbill							295	79,812	99,321	27,182	2,891		199,511
Tuna, Albacore								5,019	972				5,991
Tuna, Bluefin								25,381	4,664				30,045
Tuna, Skipjack	172,500	447,536	794,542	315,435	692,397	972,397	1,332,300	1,035,558	2,015,203	2,146,275	2,111,445	1,325,715	14,386,235
Tuna, Yellowfin	316,537	7,774,034	8,922,934	8,494,034	8,554,013	7,510,015	6,475,344	10,015,015	4,835,197	6,075,143	5,665,143	6,647,484	73,493,721
Whitefish, Ocean	5,157	1,164	1,023	1,023			499	177	1,735	1,294	1,295		5,299
Yellowtail	20,721	8,171	33,353	62,969	21,215	263,760	298,535	199,565	199,273	179,291	370,079	172,762	1,095,780
Miscellaneous Fish		65					495						660
Crustaceans:													
Lobster, Spiny	309,958	277,251	179,552								7,705	126,632	899,148
Total pounds	923,129	8,131,803	9,975,545	5,338,921	5,542,077	8,805,915	8,327,710	12,334,698	7,419,569	8,579,110	8,375,940	8,477,251	92,734,515
Grand total	1,000,298	8,492,382	10,431,550	6,327,772	6,123,491	10,210,017	10,309,678	14,049,237	9,623,731	10,178,650	9,721,119	10,568,433	107,589,548

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

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

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

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