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**STATE OF CALIFORNIA DEPARTMENT OF NATURAL RESOURCES
DIVISION OF FISH AND GAME BUREAU OF MARINE FISHERIES
FISH BULLETIN No. 67**

The Commercial Fish Catch of California for the Years 1945 and 1946



BY
*THE STAFF OF THE
BUREAU OF MARINE FISHERIES*
1947

ERRATA

E R R A T A

Page 7 - First paragraph, last line, change million pounds to billion pounds.

Page 10 - Table 1, "Fish landings exclusive of mollusks and crustaceans", change
1,318,436,000 to 1,138,436,000.

" - *Errata*

FOREWORD

This is the tenth fish bulletin of a series begun in 1929 for the purpose of presenting detailed records of the State's commercial fish catch as well as other statistical information compiled by the Bureau of Marine Fisheries.

The cooperation of the Bureau of Patrol and Law Enforcement in the collection of the original material is gratefully acknowledged.

September, 1947

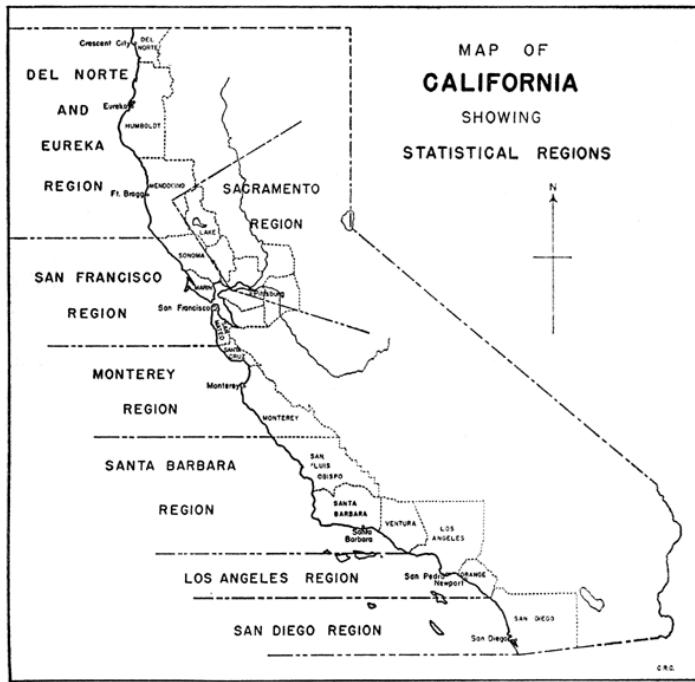


FIGURE 1

(4)

FIGURE 1

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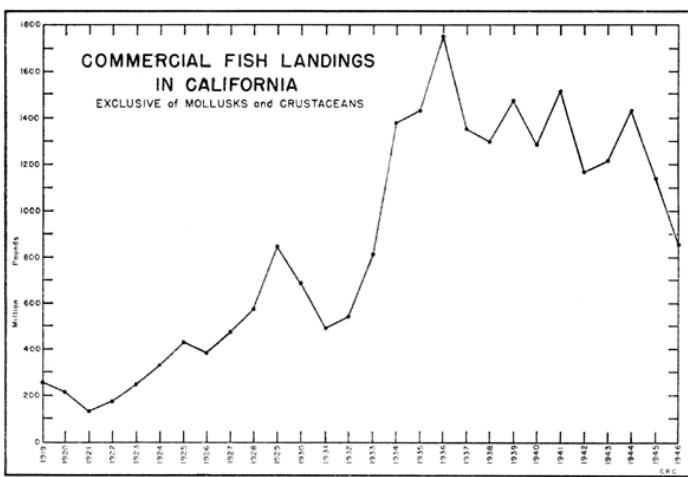


FIG. 2. Deliveries of sardines to reduction plant ships included for the years 1930 through 1938. These poundages were not included in similar charts published in former catch bulletins. See page 7 of text for details.

(6)

FIG. 2. Deliveries of sardines to reduction plant ships included for the years 1930 through 1938. These poundages were not included in similar charts published in former catch bulletins. See page 7 of text for details

1. TRENDS IN THE FISH CATCH

By GERALDINE CONNER, Bureau of Marine Fisheries
California Division of Fish and Game

1.1. POUNDAGE

There was a persistent demand for food after the termination of the war and all apparent factors indicated that the 1945 and 1946 commercial fish catches would continue the upward trend begun in 1943. Competition was keen among the buyers, canneries had increased their capacities and the fresh fish markets were fulfilling the needs of California's growing population. Fishermen were returning to their normal occupation; the fishing fleet had increased in numbers and the boats in size. Despite these factors the 1945 catch dropped and was, in fact, lower than it had been for the previous 11 years. The 1946 catch showed a further decrease of more than a quarter of a million pounds. (Fig. 2).

The explanation of the foregoing lies in the fact that sardines have dominated the catch for 20 years, averaging about 75 percent of all landings. Therefore the trend of the sardine catch determines the trend of the total catch, thus obscuring the tenor of the remaining fisheries. The decline in the 1945 and 1946 total catches was due to the failure of the sardine fishery which yielded a total lower than any year since 1933.

For many years the sardine has been subjected to an intense fishery. In addition to the tremendous tonnage utilized by the California shore plants an added strain was placed upon the population between 1930 and 1938 when the floating reduction plants operated off this coast. The ships anchored in waters just outside the jurisdiction of the State and were supplied from the same reservoir of fish and by the same fishing fleet that delivered to the shore plants at Monterey and San Francisco. From the United States Department of Interior, Fish and Wild Life Service, we have secured the following record of deliveries made to these ships at sea.

<i>Year</i>	<i>Sardines in pounds</i>
1930	7,612,000
1931	63,044,000
1932	110,438,000
1933	116,600,000
1934	217,346,000
1935	266,246,000
1936	508,018,000
1937	180,060,000
1938	87,778,000

In the catch bulletins which have preceded this issue there has been published a chart similar to Figure 2 which shows the yearly fish catch from 1919 through the current year. The graph in this bulletin varies from the former charts because we have added the sardine deliveries to the floaters.

During the period in which the floaters operated the sardine catch climbed to its highest recorded figure. In 1936 the shore plants reported to the State 956,000,000 pounds received and the federal record showed an additional 508,000,000 pounds delivered to the reduction plant ships. This catch of one and one-half billion pounds was three times greater than the amount produced by the state-wide fishery 10 years later in 1946. The

decline of the catch resulted chiefly from the failure of the sardine fishery at Monterey and San Francisco.

Central California was hit hardest by the collapse of the sardine fishery. Monterey was dealt a staggering blow because around the fishery was built one of her main industries. Similarly the San Francisco total was decreased 89 percent and Sacramento 81 percent.

	Pounds	1945	1946
Eureka	28,754,000		32,392,000
Sacramento	43,244,000		8,051,000
San Francisco	161,937,000		17,690,000
Monterey	339,567,000		123,112,000
Santa Barbara	5,468,000		3,919,000
Los Angeles	531,118,000		593,114,000
San Diego	105,872,000		141,057,000

This localization of the sardine scarcity contributed directly to a record catch in the Los Angeles area in 1946. In former seasons vessels from the Northwest had come south to fish off Central California during the sardine season. With no fish available there, these boats continued down the coast to Southern California in company with a large part of the Monterey and San Francisco fleets. Los Angeles Harbor was congested in 1946 with the largest fleet that had ever fished these waters with the result that the local sardine catch was the highest on record for the area.

Further, contributing to the high Los Angeles landings were the exceptional tuna runs of 1945 and 1946. In addition to her record sardine landings, Los Angeles shared with San Diego the excellent tuna deliveries of these two years. The state-wide total for albacore in 1945 was 21,800,000 pounds, the highest ever reported, and the bluefin tuna runs were also good. Skipjack landings were high for both years, and yellowfin tuna catches reached 127,000,000 pounds in 1946 to exceed all former records.

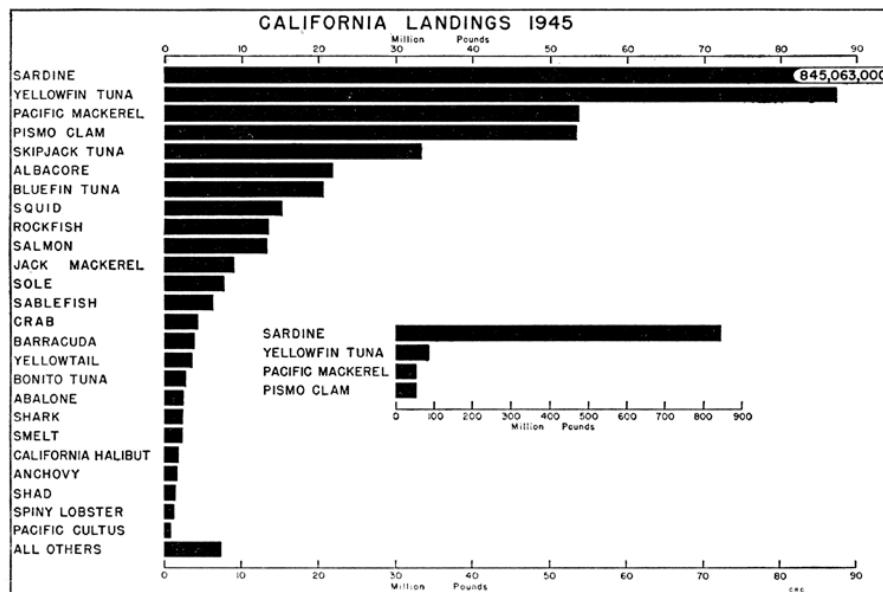


FIGURE 3

FIGURE 3

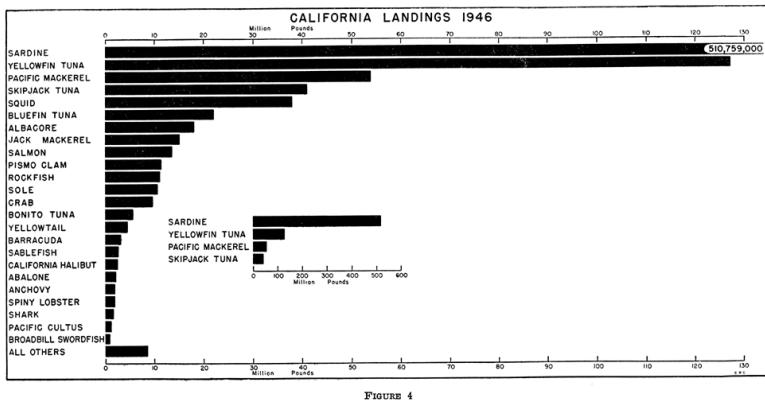


FIGURE 4

TABLE 1
CALIFORNIA LANDINGS—1945

<i>Species</i>	<i>Pounds</i>
Sardine.....	845,063,000
Yellowfin Tuna.....	87,448,000
Pismo Clam.....	53,440,000
Pacific Mackerel.....	53,717,000
Skipjack Tuna.....	33,348,000
Albacore.....	21,336,000
Bluefin Tuna.....	20,594,000
Squid.....	15,226,000
Salmon.....	13,381,000
Rockfish.....	13,286,000
Jack Mackerel (Horse Mackerel).....	9,033,000
Sole.....	7,755,000
Sablefish.....	6,259,000
Crab.....	4,346,000
Barracuda.....	3,873,000
Yellowtail.....	3,534,000
Bonito Tuna.....	2,714,000
Abalone.....	2,447,000
Shark.....	2,438,000
Smelt.....	2,369,000
California Halibut.....	1,805,000
Anchovy.....	1,617,000
Shad.....	1,484,000
Spiny Lobster.....	1,272,000
Pacific Cutus.....	759,000
All others.....	7,416,000
Yearly total pounds.....	1,215,960,000
Fish landings exclusive of mollusks and crustaceans.....	1,318,436,000

This table includes actual landings at California ports by the commercial fishing fleet as well as shipments from other states and foreign countries by truck, rail and ocean liner to California canneries and fresh fish dealers.

TABLE 1 CALIFORNIA LANDINGS—1945

TABLE 2
CALIFORNIA LANDINGS—1946

<i>Species</i>	<i>Pounds</i>
Sardine.....	510,759,000
Yellowfin Tuna.....	127,247,000
Pacific Mackerel.....	53,875,000
Skipjack Tuna.....	41,088,000
Squid.....	38,025,000
Bluefin Tuna.....	22,032,000
Albacore.....	18,068,000
Jack Mackerel (Horse Mackerel).....	15,093,000
Salmon.....	13,658,000
Pismo Clam.....	11,478,000
Rockfish.....	11,173,000
Sole.....	10,569,000
Crab.....	9,644,000
Bonito Tuna.....	5,626,000
Yellowtail.....	4,562,000
Barracuda.....	3,107,000
Sablefish.....	2,659,000
California Halibut.....	2,500,000
Abalone.....	2,096,000
Anchovy.....	1,922,000
Spiny Lobster.....	1,918,000
Shark.....	1,605,000
Pacific Cultus.....	1,156,000
Broadbill Swordfish.....	859,000
Smelt.....	793,000
Shad.....	771,000
Sand Dab.....	679,000
All others.....	6,372,000
Yearly total pounds.....	919,334,000
Fish landings exclusive of mollusks and crustaceans.....	855,483,000

This table includes actual landings at California ports by the commercial fishing fleet as well as shipments from other states and foreign countries by truck, rail and ocean liner to California canneries and fresh fish dealers.

TABLE 2 CALIFORNIA LANDINGS—1946

1.2. VALUE

Because of the difference in price between sardines and the tunas, the value of the catch to the fisherman did not follow the downward trend of poundage. (Figs. 5 and 6.) The value of the catch has risen steadily since 1939 when it was calculated at approximately \$19,000,000 for all species. By 1945 it had more than doubled this amount and in 1946 reached over \$45,000,000. During these years prices for all species were rising and the decrease in sardine poundage was more than offset by the higher prices paid for other species. However, the upward trend of the curve is mainly due to the volume and the value of the tunas, which accounted for 51 percent of the value of all species in 1945, and 60 percent in 1946. Second in value were the sardines with 25 percent of the total in 1945 and only 16 percent in 1946. The effect of price on the total valuation may be seen in the following tabulations.

	<i>1945</i>	<i>1946</i>
Albacore	\$390	\$390 to \$410
Bluefin Tuna	190 to \$230	190 to 300
Bonito Tuna	155 to 195	155 to 235
Skipjack Tuna	180	180 to 290
Yellowfin Tuna	200	200 to 310
Sardines	\$22	\$40
	<i>1945</i>	<i>1946</i>
Eureka	\$2,376,000	\$3,129,000
Sacramento	1,356,000	1,082,000
San Francisco	3,270,000	2,296,000
Monterey	4,640,000	3,009,000
Santa Barbara	706,000	734,000
Los Angeles	15,057,000	18,662,000
San Diego	11,266,000	16,433,000

Eureka and the far northern ports enjoyed their most remunerative year in 1946. In the Sacramento River area the loss to the sardine canneries was offset by the gain to the fresh fish trade during two years of record salmon runs. At Monterey a record catch of squid was packed for oriental export and its million-dollar value was slightly greater than that of sardines, which have been the mainstay of the port for so many years. Southern California ports, always high in fisheries value because of the tunas, attained a new peak.

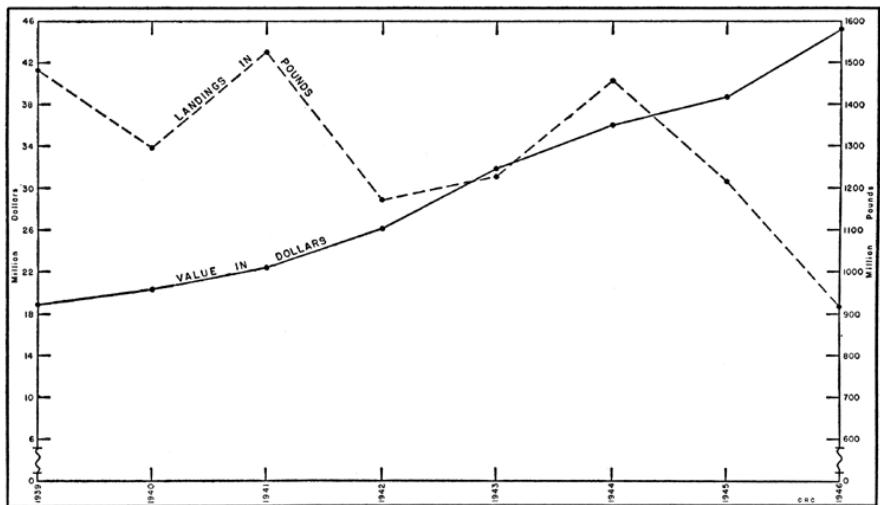


FIG. 5. California landings in pounds of fish and shellfish, 1939 through 1946, compared with the value to the fisherman. The decrease in poundage reflected the scarcity of sardines. The increase in value was due to the large volume and high price of the five tunas, with higher prices for all species a contributing factor.

FIG. 5. California landings in pounds of fish and shellfish, 1939 through 1946, compared with the value to the fisherman. The decrease in poundage reflected the scarcity of sardines. The increase in value was due to the large volume and high price of the five tunas, with higher prices for all species a contributing factor

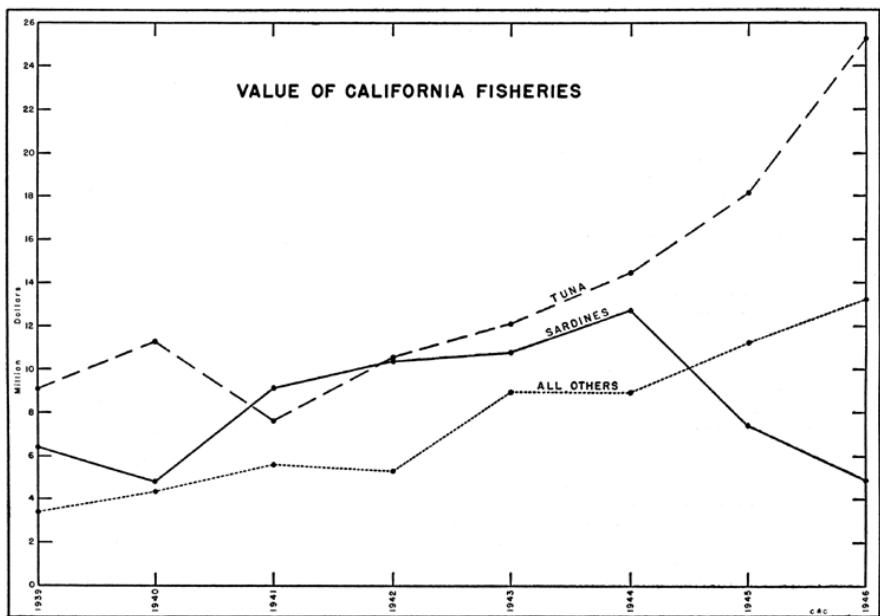


FIG. 6. Value of California fisheries to the fisherman, 1939 through 1946. The five species of tuna are grouped, albacore, bluefin, bonito, skipjack and yellowfin. "All others" includes shellfish, fresh market fish and cannery species other than sardines and tuna.

FIG. 6. Value of California fisheries to the fisherman, 1939 through 1946. The five species of tuna are grouped, albacore, bluefin, bonito, skipjack and yellowfin. "All others" includes shellfish, fresh market fish and cannery species other than sardines and tuna

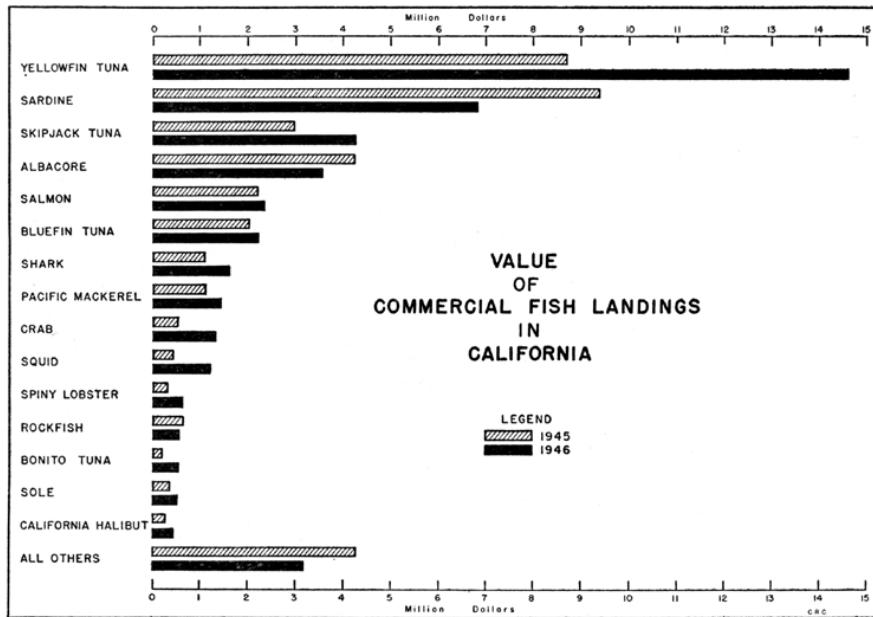


FIGURE 7

FIGURE 7

TABLE 3
VALUES OF COMMERCIAL FISH LANDINGS—1945

Species	Value
Sardine.....	\$9,407,000
Yellowfin Tuna.....	8,717,000
Albacore.....	4,158,000
Skipjack Tuna.....	2,982,000
Salmon.....	2,228,000
Bluefin Tuna.....	1,984,000
Pismo Clam.....	1,433,000
Pacific Mackerel.....	1,119,000
Shark.....	1,103,000
Rockfish.....	616,000
Crab.....	521,000
Sablefish.....	519,000
Barracuda.....	485,000
Squid.....	426,000
Sole.....	350,000
Spiny Lobster.....	302,000
Yellowtail.....	292,000
Abalone.....	280,000
California Halibut.....	263,000
Bonito Tuna.....	217,000
Smelt.....	156,000
Jack Mackerel.....	145,000
Broadbill Swordfish.....	110,000
Catfish.....	103,000
All other.....	754,000
Total value, 1945.....	\$38,670,000

TABLE 3
VALUES OF COMMERCIAL FISH LANDINGS—1945

TABLE 4
VALUES OF COMMERCIAL FISH LANDINGS—1946

<i>Species</i>	<i>Value</i>
Yellowfin Tuna.....	\$14,614,000
Sardine.....	6,853,000
Skipjack Tuna.....	4,283,000
Albacore.....	3,587,000
Salmon.....	2,375,000
Bluefin Tuna.....	2,246,000
Shark.....	1,615,000
Pacific Mackerel.....	1,431,000
Crab.....	1,319,000
Squid.....	1,215,000
Spiny Lobster.....	611,000
Rockfish.....	552,000
Bonito Tuna.....	536,000
Sole.....	506,000
California Halibut.....	433,000
Barracuda.....	399,000
Yellowtail.....	374,000
Jack Mackerel.....	327,000
Pismo Clam.....	296,000
Broadbill Swordfish.....	269,000
Sablefish.....	256,000
Abalone.....	254,000
White Sea-bass.....	117,000
Catfish.....	108,000
Pacific Cultus.....	102,000
All other.....	668,000
Total value, 1946.....	\$45,346,000

TABLE 4
VALUES OF COMMERCIAL FISH LANDINGS—1946

TABLE 5
CALIFORNIA COMMERCIAL FISH LANDINGS—1945
Values for Eureka Region, Indicating Leading Ports and Species

EUREKA REGION-----	\$2,376,000	28,753,877 pounds	
Eureka-----	\$1,355,800	Rockfish-----	\$419,900
		Sablefish-----	221,200
		Salmon-----	204,700
		Sole-----	187,800
		Shark-----	146,600
		Northern Halibut-----	40,100
		Crab-----	38,600
		Pacific Cultus-----	36,100
		Albacore-----	17,200
		Whitebait-----	11,000
		Sand Dab-----	6,300
		All other-----	26,300
Fort Bragg-----	\$751,900	Salmon-----	556,300
		Rockfish-----	83,400
		Sablefish-----	50,800
		Sole-----	19,700
		Pacific Cultus-----	13,400
		Shark-----	7,100
		Crab-----	5,700
		All other-----	15,500
Crescent City-----	\$219,100	Salmon-----	102,400
		Crab-----	91,000
		Sablefish-----	9,100
		Whitebait-----	5,100
		Pacific Cultus-----	3,500
		All other-----	8,000
Fields Landing-----	\$37,500	Sablefish-----	14,800
		Rockfish-----	9,200
		Sole-----	5,200
		Crab-----	4,300
		All other-----	4,000
Arcata-----	\$6,000	Whitebait-----	4,300
		Smelt-----	1,700
Point Arena-----	\$4,900	Salmon-----	3,900
		Pacific Cultus-----	1,000
Trinidad-----	\$800		

TABLE 5
CALIFORNIA COMMERCIAL FISH LANDINGS—1945
Values for Eureka Region, Indicating Leading Ports and Species

TABLE 6
 CALIFORNIA COMMERCIAL FISH LANDINGS—1945
 Values for Sacramento Region, Indicating Leading Ports and Species

SACRAMENTO REGION	\$1,355,700	43,243,863 pounds	
Pittsburg	\$640,300	Salmon.....	\$484,100
		Catfish.....	72,900
		Shad.....	61,000
		Sardine.....	21,200
		All other.....	1,100
Benicia	\$256,100	Sardine.....	256,100
Martinez	\$217,200	Salmon.....	171,200
		Sardine.....	38,200
		Shad.....	7,500
		All other.....	300
Port Chicago	\$80,600	Sardine.....	80,600
Collinsville	\$72,600	Salmon.....	67,900
		Catfish.....	3,200
		All other.....	1,500
Sacramento	\$66,200	Salmon.....	53,900
		Catfish.....	10,000
		Shad.....	1,900
		All other.....	400
Stockton	\$20,900	Catfish.....	16,700
		Salmon.....	4,100
		All other.....	100
All other	\$1,800		

TABLE 6
 CALIFORNIA COMMERCIAL FISH LANDINGS—1945
 Values for Sacramento Region, Indicating Leading Ports and Species

TABLE 7
 CALIFORNIA COMMERCIAL FISH LANDINGS—1945
 Values for San Francisco Region, Indicating Leading Ports and Species

SAN FRANCISCO REGION	\$3,270,300	161,937,333 pounds	
San Francisco	\$1,400,600	Sardine.....	\$603,500
		Shark.....	341,200
		Crab.....	183,000
		Smelt.....	103,600
		Sole.....	59,200
		Salmon.....	25,200
		Sand Dab.....	11,300
		Perch.....	11,200
		Shrimp.....	7,600
		Anchoovy.....	7,000
		California Halibut.....	5,700
		Starry Flounder.....	5,500
		Pacific Herring.....	5,400
		Sablefish.....	5,100
		All other.....	26,100
Richmond	\$924,800	Sardine.....	919,000
		Shrimp.....	5,800
Bay (Bodega)	\$394,800	Salmon.....	154,400
		Shark.....	81,300
		Crab.....	73,600
		Sole.....	35,100
		Abalone.....	31,100
		Sand Dab.....	3,600
		All other.....	15,700
Point Reyes	\$302,600	Salmon.....	194,600
		Crab.....	79,100
		Eastern Oyster.....	8,500
		Abalone.....	4,900
		Sablefish.....	4,900
		All other.....	10,600
McNear's Point	\$118,900	Sardine.....	117,600
		Shrimp.....	1,300
Princeton-by-the-Sea	\$98,000	Salmon.....	52,900
		Crab.....	20,400
		Sardine.....	17,800
		Abalone.....	4,100
		All other.....	2,800
Oakland	\$14,500	Crab.....	14,400
		All other.....	100
Tomales Bay	\$5,500	Pacific Oyster.....	5,500
All other	\$10,600		

TABLE 7
 CALIFORNIA COMMERCIAL FISH LANDINGS—1945
 Values for San Francisco Region, Indicating Leading Ports and Species

TABLE 8
 CALIFORNIA COMMERCIAL FISH LANDINGS—1945
Values for Monterey Region, Indicating Leading Ports and Species

MONTEREY REGION.....	\$4,639,600	339,566,856 pounds
Monterey.....	\$3,849,900	
Sardine.....	\$3,163,300	
Squid.....	415,600	
Rockfish.....	55,900	
Albacore.....	48,700	
Salmon.....	42,700	
Sablefish.....	23,000	
Abalone.....	19,800	
Pacific Mackerel.....	17,600	
Smelt.....	14,300	
Kingfish.....	11,500	
Jack Mackerel.....	10,200	
Sole.....	8,500	
Shark.....	6,200	
All other.....	15,600	
Santa Cruz.....	\$388,500	
Sablefish.....	186,300	
Salmon.....	99,900	
Albacore.....	26,100	
Rockfish.....	22,500	
Sole.....	16,800	
Sardine.....	9,000	
Shark.....	8,500	
Sand Dab.....	5,000	
Crab.....	4,700	
All other.....	9,700	
Moss Landing.....	\$400,900	
Sardine.....	389,700	
Squid.....	8,300	
Crab.....	2,100	
All other.....	800	
Capitola.....	\$300	

TABLE 8
 CALIFORNIA COMMERCIAL FISH LANDINGS—1945
Values for Monterey Region, Indicating Leading Ports and Species

TABLE 9
 CALIFORNIA COMMERCIAL FISH LANDINGS—1945
 Values for Santa Barbara Region, Indicating Leading Ports and Species

SANTA BARBARA REGION	\$705,700	5,468,016 pounds
Santa Barbara-----	\$522,300	Albacore..... \$137,300 California Halibut..... 117,700 Abalone..... 108,400 Shark..... 53,000 Spiny Lobster..... 28,200 Bluefin Tuna..... 15,900 Broadbill Swordfish..... 14,000 Sole..... 8,800 Sheepshead..... 8,200 Pacific Mackerel..... 6,900 White Sea-bass..... 5,900 Ocean Whitefish..... 4,000 All other..... 14,000
Morro Bay-----	\$74,500	Abalone..... 61,500 Pacific Oyster..... 11,800 All other..... 1,200
Avila-----	\$42,300	Shark..... 15,600 California Halibut..... 9,200 White Sea-bass..... 7,100 Abalone..... 2,900 All other..... 7,500
San Luis Obispo-----	\$31,200	California Halibut..... 7,800 Abalone..... 6,400 Salmon..... 6,000 Shark..... 3,500 Sole..... 2,700 All other..... 4,800
Shell Beach-----	\$16,900	White Sea-bass..... 8,900 California Halibut..... 2,800 Shark..... 2,700 All other..... 2,500
Cambria-----	\$15,100	Abalone..... 15,100
Pismo Beach-----	\$3,300	Pismo Clam..... 1,900 California Halibut..... 1,000 All other..... 400
All other-----	\$100	

TABLE 9
 CALIFORNIA COMMERCIAL FISH LANDINGS—1945
 Values for Santa Barbara Region, Indicating Leading Ports and Species

TABLE 10
CALIFORNIA COMMERCIAL FISH LANDINGS—1945
Values for Los Angeles Region, Indicating Leading Ports and Species

LOS ANGELES REGION....	\$15,056,900	531,118,017 pounds
Terminal Island.....	\$8,403,400	
Sardine.....		\$2,610,000
Yellowfin Tuna.....		2,185,300
Bluefin Tuna.....		1,197,800
Albacore.....		1,151,000
Skipjack Tuna.....		562,100
Pacific Mackerel.....		311,600
Pismo Clam.....		174,000
Bonito Tuna.....		77,800
Jack Mackerel.....		77,700
Yellowtail.....		55,800
All other.....		300
Long Beach.....	\$3,249,100	
Pismo Clam.....		1,255,900
Sardine.....		806,500
Yellowfin Tuna.....		512,700
Bluefin Tuna.....		363,900
Skipjack Tuna.....		116,100
Pacific Mackerel.....		114,200
Jack Mackerel.....		38,900
Albacore.....		20,600
Shark.....		7,500
Spiny Lobster.....		7,000
All other.....		5,800
Wilmington.....	\$1,291,500	
Yellowfin Tuna.....		612,600
Sardine.....		287,000
Bluefin Tuna.....		159,700
Skipjack Tuna.....		136,700
Bonito Tuna.....		43,500
Albacore.....		25,200
Jack Mackerel.....		16,000
Pacific Mackerel.....		9,300
All other.....		1,500
Newport Beach.....	\$831,000	
Pacific Mackerel.....		313,400
Shark.....		236,300
Albacore.....		121,000
Barracuda.....		37,800
California Halibut.....		32,200
Sardine.....		22,200
Broadbill Swordfish.....		15,400
Anchovy.....		13,800
Abalone.....		5,800
Rock Bass.....		5,300
White Sea-bass.....		5,000
Cabrilla.....		3,900
Spiny Lobster.....		3,700
Skipjack Tuna.....		3,700
All other.....		11,500

TABLE 10
CALIFORNIA COMMERCIAL FISH LANDINGS—1945
Values for Los Angeles Region, Indicating Leading Ports and Species

TABLE 10—Continued
 CALIFORNIA COMMERCIAL FISH LANDINGS—1945
Values for Los Angeles Region, Indicating Leading Ports and Species

San Pedro.....	\$723,500	Barracuda.....	250,100
		Yellowtail.....	79,800
		Shark.....	71,400
		Bluefin Tuna.....	56,000
		Cabrilla.....	53,200
		California Halibut.....	33,600
		White Sea-bass.....	21,400
		Pacific Mackerel.....	20,600
		Smelt.....	19,500
		Black Sea-bass.....	18,300
		Albacore.....	15,400
		Spiny Lobster.....	15,000
		Bonito Tuna.....	10,500
		Kingfish.....	10,100
		California Pompano.....	7,400
		Sculpin.....	6,700
		Broadbill Swordfish.....	4,600
		Rock Bass.....	4,500
		Perch.....	4,300
		Sheepshead.....	3,700
		All other.....	17,400
Santa Monica.....	\$447,600	Pacific Mackerel.....	273,000
		Shark.....	95,100
		Albacore.....	21,800
		Barracuda.....	16,200
		Mullet.....	12,000
		California Halibut.....	8,400
		Anchovy.....	3,500
		All other.....	17,600
Redondo Beach.....	\$46,600	Pacific Mackerel.....	39,800
		Barracuda.....	1,600
		Spiny Lobster.....	1,600
		All other.....	3,600
Avalon.....	\$23,000	Broadbill Swordfish.....	16,900
		Spiny Lobster.....	1,600
		All other.....	4,500
All other.....	\$41,200		

TABLE 10
 CALIFORNIA COMMERCIAL FISH LANDINGS—1945
Values for Los Angeles Region, Indicating Leading Ports and Species

TABLE 11
 CALIFORNIA COMMERCIAL FISH LANDINGS—1945
 Values for San Diego Region, Indicating Leading Ports and Species

SAN DIEGO REGION.....	\$11,265,800	105,871,620 pounds
San Diego.....	\$9,426,500	Yellowfin Tuna..... \$4,600,000
		Albacore..... 1,999,500
		Skipjack Tuna..... 1,786,400
		Spiny Lobster..... 227,500
		Barracuda..... 173,500
		Bluefin Tuna..... 154,600
		Yellowtail..... 129,000
		Bonito Tuna..... 68,100
		Broadbill Swordfish..... 58,200
		Sardine..... 49,400
		California Halibut..... 35,600
		Cabrilla..... 25,800
		Mullet..... 22,200
		Black Sea-bass..... 20,300
		Shark..... 17,700
		White Sea-bass..... 13,900
		Pacific Mackerel..... 11,700
		Grouper..... 6,600
		Shark..... 6,500
		Rock Bass..... 5,700
		Abalone..... 4,200
		Rockfish..... 3,900
		All other..... 6,200
Point Loma.....	\$1,822,800	Yellowfin Tuna..... 804,600
		Albacore..... 570,800
		Skipjack Tuna..... 376,500
		Bluefin Tuna..... 31,400
		Yellowtail..... 15,800
		Bonito Tuna..... 13,800
		Sardine..... 9,900
La Jolla.....	\$10,800	Spiny Lobster..... 7,000
		Rock Bass..... 1,500
		All other..... 2,300
All other.....	\$5,700	

TABLE 11
 CALIFORNIA COMMERCIAL FISH LANDINGS—1945
 Values for San Diego Region, Indicating Leadign Ports and Species

TABLE 12
CALIFORNIA COMMERCIAL FISH LANDINGS—1946
Values for Eureka Region, Indicating Leading Ports and Species

EUREKA REGION.....	\$3,129,100	32,392,178 pounds
Eureka.....	\$1,383,900	
Salmon.....	\$282,900	
Sole.....	252,400	
Rockfish.....	236,900	
Crab.....	204,400	
Shark.....	149,400	
Sablefish.....	106,900	
Northern Halibut.....	61,800	
Pacific Cultus.....	43,100	
Whitebait.....	12,200	
Sand Dab.....	10,200	
Albacore.....	7,500	
Starry Flounder.....	6,700	
All other.....	9,500	
Fort Bragg.....	\$568,300	
Salmon.....	284,500	
Rockfish.....	127,200	
Crab.....	49,000	
Sole.....	32,500	
Shark.....	26,800	
Pacific Cultus.....	19,600	
Sablefish.....	15,400	
Albacore.....	4,700	
All other.....	8,600	
Crescent City.....	\$547,800	
Crab.....	308,000	
Salmon.....	212,200	
Sablefish.....	10,700	
Smelt.....	3,800	
Rockfish.....	3,700	
All other.....	9,400	
Fields Landing.....	\$324,700	
Sole.....	84,200	
Sablefish.....	66,700	
Rockfish.....	60,500	
Crab.....	53,500	
Shark.....	19,500	
Pacific Cultus.....	13,000	
Northern Halibut.....	7,100	
Salmon.....	6,200	
Sand Dab.....	5,000	
All other.....	9,000	
Trinidad.....	\$180,700	
Crab.....	110,100	
Salmon.....	61,600	
Sablefish.....	4,900	
All other.....	4,100	
Shelter Cove.....	\$75,200	
Salmon.....	72,800	
Pacific Cultus.....	1,800	
All other.....	600	
Point Arena.....	\$41,500	
Salmon.....	33,900	
Pacific Cultus.....	3,800	
Crab.....	3,700	
All other.....	100	
Arcata.....	\$6,900	
Whitebait.....	6,000	
All other.....	900	
Mendocino.....	\$100	

TABLE 12
CALIFORNIA COMMERCIAL FISH LANDINGS—1946
Values for Eureka Region, Indicating Leading Ports and Species

TABLE 13
 CALIFORNIA COMMERCIAL FISH LANDINGS—1946
Values for Sacramento Region, Indicating Leading Ports and Species

SACRAMENTO REGION ---- \$1,082,300		8,050,966 pounds
Pittsburg-----	\$660,200	Salmon----- \$554,200
		Catfish----- 63,800
		Shad----- 36,900
		Carp----- 5,300
Martinez-----	\$163,200	Salmon----- 161,900
		Shad----- 1,000
		All other----- 300
Sacramento-----	\$121,000	Salmon----- 101,300
		Catfish----- 18,500
		All other----- 1,200
Collinsville-----	\$99,800	Salmon----- 97,900
		Shad----- 1,200
		All other----- 700
Stockton-----	\$27,100	Catfish----- 22,700
		Salmon----- 4,400
Benicia-----	\$9,200	Sardine----- 9,200
All other-----	\$1,800	

TABLE 13
 CALIFORNIA COMMERCIAL FISH LANDINGS—1946
Values for Sacramento Region, Indicating Leading Ports and Species

TABLE 14
CALIFORNIA COMMERCIAL FISH LANDINGS—1946
Values for San Francisco Region, Indicating Leading Ports and Species

SAN FRANCISCO REGION-\$2,295,900		17,690,225 pounds	
San Francisco-----	\$1,366,000	Shark-----	\$740,000
		Crab-----	313,900
		Sardine-----	72,200
		Sole-----	62,900
		Salmon-----	56,400
		Smelt-----	28,000
		Perch-----	10,900
		Pacific Herring-----	8,800
		Anchovy-----	8,500
		Sand Dab-----	7,100
		Shrimp-----	6,700
		Hardhead-----	6,700
		Rockfish-----	6,400
		Sablefish-----	5,600
		Carp-----	5,100
		All other-----	26,800
Point Reyes-----	\$470,600	Salmon-----	223,300
		Crab-----	116,900
		Shark-----	66,900
		Sole-----	31,600
		Eastern Oyster-----	13,400
		Pacific Cultus-----	3,900
		All other-----	14,600
Bay (Bodega)-----	\$284,000	Crab-----	116,600
		Shark-----	77,300
		Salmon-----	53,000
		Sole-----	19,900
		Pacific Cultus-----	4,600
		All other-----	12,600
Richmond-----	\$71,800	Sardine-----	65,200
		Shrimp-----	6,400
		All other-----	200
Half Moon Bay-----	\$33,300	Salmon-----	33,100
		All other-----	200
Princeton-by-the-Sea-----	\$32,100	Crab-----	14,900
		Salmon-----	12,600
		All other-----	4,600
Oakland-----	\$16,400	Crab-----	13,900
		Catfish-----	2,200
		All other-----	300
Berkeley-----	\$14,000	Salmon-----	10,700
		Shrimp-----	3,200
		All other-----	100
McNear's Point-----	\$4,300	Shrimp-----	4,300
All other-----	\$3,400		

TABLE 14
CALIFORNIA COMMERCIAL FISH LANDINGS—1946
Values for San Francisco Region, Indicating Leading Ports and Species

TABLE 15
 CALIFORNIA COMMERCIAL FISH LANDINGS—1946
Values for Monterey Region, Indicating Leading Ports and Species

MONTEREY REGION.....	\$3,009,500	123,111,509 pounds
Monterey.....	\$2,723,200	
Squid.....		\$1,210,500
Sardine.....		1,103,400
Jack Mackerel.....		145,000
Rockfish.....		64,100
Pacific Mackerel.....		42,700
Salmon.....		37,700
Abalone.....		28,900
Sablefish.....		19,600
Albacore.....		17,200
Kingfish.....		14,100
Sole.....		9,500
California Halibut.....		7,300
Smelt.....		5,300
All other.....		17,900
Santa Cruz.....	\$242,900	
Salmon.....		70,400
Albacore.....		33,900
Sardine.....		26,000
California Halibut.....		24,000
Sablefish.....		22,400
Rockfish.....		18,900
California Pompano.....		12,600
White Sea-bass.....		10,000
Shark.....		7,300
Crab.....		6,700
All other.....		10,700
Moss Landing.....	\$43,300	
Sardine.....		27,900
Jack Mackerel.....		6,900
Crab.....		4,300
All other.....		4,200
All other.....	\$100	

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TABLE 15
 CALIFORNIA COMMERCIAL FISH LANDINGS—1946
Values for Monterey Region, Indicating Leading Ports and Species

TABLE 16
CALIFORNIA COMMERCIAL FISH LANDINGS—1946
Values for Santa Barbara Region, Indicating Leading Ports and Species

SANTA BARBARA REGION		\$734,000	3,918,557 pounds
Santa Barbara-----	\$505,700	Shark-----	\$190,300
		Abalone-----	76,100
		California Halibut-----	74,900
		Broadbill Swordfish-----	44,400
		Spiny Lobster-----	43,700
		White Sea-bass-----	32,000
		Albacore-----	16,700
		Sole-----	6,700
		Sheepshead-----	6,000
		All other-----	14,900
Morro Bay-----	\$84,700	Abalone-----	71,300
		Pacific Oyster-----	5,800
		Shark-----	4,600
		All other-----	3,000
Avila-----	\$56,600	Shark-----	29,200
		Abalone-----	20,500
		California Halibut-----	3,700
		All other-----	3,200
Cambria-----	\$49,000	Abalone-----	49,000
San Luis Obispo-----	\$26,300	Shark-----	10,900
		California Halibut-----	6,900
		Rockfish-----	2,700
		Sole-----	2,300
		White Sea-bass-----	2,200
		All other-----	1,300
Pismo Beach-----	\$5,500	Pismo Clam-----	5,500
All other-----	\$6,200		

TABLE 16
CALIFORNIA COMMERCIAL FISH LANDINGS—1946
Values for Santa Barbara Region, Indicating Leading Ports and Species

TABLE 17
CALIFORNIA COMMERCIAL FISH LANDINGS—1946
Values for Los Angeles Region, Indicating Leading Ports and Species

LOS ANGELES REGION.....	\$18,662,400	593,113,985 pounds
Terminal Island.....	\$11,381,200	
Sardine.....	3,876,600	
Yellowfin Tuna.....	3,043,000	
Bluefin Tuna.....	1,222,900	
Albacore.....	1,081,800	
Skipjack Tuna.....	1,027,900	
Pacific Mackerel.....	611,800	
Bonito Tuna.....	166,000	
Yellowtail.....	134,800	
Jack Mackerel.....	100,300	
Pismo Clam.....	73,100	
Spiny Lobster.....	40,600	
All other.....	2,400	
Long Beach.....	\$3,670,300	
Sardine.....	1,092,300	
Yellowfin Tuna.....	1,081,900	
Bluefin Tuna.....	505,500	
Skipjack Tuna.....	435,800	
Pismo Clam.....	180,300	
Pacific Mackerel.....	145,300	
Bonito Tuna.....	127,000	
Albacore.....	26,700	
Jack Mackerel.....	26,500	
Spiny Lobster.....	15,300	
Yellowtail.....	12,300	
Barracuda.....	6,300	
All other.....	15,100	
Wilmington.....	\$1,515,800	
Yellowfin Tuna.....	507,000	
Sardine.....	379,300	
Bluefin Tuna.....	294,100	
Skipjack Tuna.....	122,600	
Pacific Mackerel.....	78,200	
Albacore.....	66,700	
Jack Mackerel.....	33,900	
Yellowtail.....	20,400	
Bonito Tuna.....	13,000	
All other.....	600	
Newport Beach.....	\$961,200	
Pacific Mackerel.....	331,900	
Albacore.....	158,100	
Shark.....	111,600	
Broadbill Swordfish.....	94,900	
California Halibut.....	71,000	
Barracuda.....	55,500	
Spiny Lobster.....	28,500	
Skipjack Tuna.....	21,900	
Sardine.....	17,500	
Anchovy.....	16,500	
Jack Mackerel.....	7,100	
Yellowtail.....	6,000	
Black Sea-bass.....	6,000	
All other.....	34,700	

TABLE 17
CALIFORNIA COMMERCIAL FISH LANDINGS—1946
Values for Los Angeles Region, Indicating Leading Ports and Species

TABLE 17—Continued
 CALIFORNIA COMMERCIAL FISH LANDINGS—1946
Values for Los Angeles Region, Indicating Leading Ports and Species

San Pedro.....	\$693,800	Barracuda.....	\$137,000
		California Halibut.....	94,100
		Shark.....	91,200
		Spiny Lobster.....	59,900
		Bluefin Tuna.....	57,900
		Black Sea-bass.....	33,700
		Pacific Mackerel.....	29,600
		Albacore.....	23,600
		White Sea-bass.....	23,200
		Yellowtail.....	21,600
		Cabrilas.....	16,700
		Sardine.....	15,800
		Sculpin.....	13,000
		Broadbill Swordfish.....	9,300
		Smelt.....	9,200
		Sheepshead.....	7,700
		Perch.....	6,800
		Jack Mackerel.....	6,600
		California Pompano.....	6,500
		All other.....	30,400
Santa Monica.....	\$363,900	Pacific Mackerel.....	147,300
		Shark.....	63,400
		Spiny Lobster.....	44,300
		Barracuda.....	33,400
		Albacore.....	19,400
		California Halibut.....	15,900
		Sardine.....	9,400
		Anchovy.....	6,100
		Rockfish.....	4,300
		Broadbill Swordfish.....	3,900
		All other.....	16,500
Redondo Beach.....	\$56,100	Pacific Mackerel.....	31,100
		Barracuda.....	9,600
		Sardine.....	4,400
		California Halibut.....	3,400
		All other.....	7,600
Avalon.....	\$12,700	Broadbill Swordfish.....	3,300
		Spiny Lobster.....	2,300
		Albacore.....	2,100
		Flying Fish.....	2,000
		All other.....	3,000
All other.....	\$7,400		

TABLE 17
 CALIFORNIA COMMERCIAL FISH LANDINGS—1946
Values for Los Angeles Region, Indicating Leading Ports and Species

TABLE 18
 CALIFORNIA COMMERCIAL FISH LANDINGS—1946
 Values for San Diego Region, Indicating Leading Ports and Species

SAN DIEGO REGION.....	\$16,433,100	141,056,723 pounds
San Diego.....	\$13,484,800	
Yellowfin Tuna.....	\$8,036,500	
Skipjack Tuna.....	2,281,100	
Albacore.....	1,624,500	
Spiny Lobster.....	355,900	
Bonito Tuna.....	192,200	
Yellowtail.....	164,500	
Barracuda.....	155,800	
Sardine.....	153,500	
California Halibut.....	119,600	
Bluefin Tuna.....	115,400	
Broadbill Swordfish.....	113,100	
Pismo Clam.....	32,900	
White Sea-bass.....	31,100	
Black Sea-bass.....	28,000	
Cabrilla.....	13,700	
Grouper.....	12,000	
Pacific Mackerel.....	11,700	
Shark.....	9,800	
Rock Bass.....	9,600	
Mullet.....	8,200	
All other.....	12,700	
Point Loma.....	\$2,933,400	
Yellowfin Tuna.....	1,945,300	
Albacore.....	499,800	
Skipjack Tuna.....	393,800	
Bluefin Tuna.....	48,000	
Bonito Tuna.....	32,000	
Yellowtail.....	14,500	
Encinitas.....	\$11,000	
Spiny Lobster.....	7,400	
Sculpin.....	1,700	
All other.....	1,900	
All other.....	\$3,900	

TABLE 18
 CALIFORNIA COMMERCIAL FISH LANDINGS—1946
 Values for San Diego Region, Indicating Leading Ports and Species

2. COMMERCIAL FISHERMEN

The commercial fishing license season in California is from April 1st of one year through March 31st of the following calendar year. There has been a slow and fairly consistent increase in the number of commercial fishermen over the past 10 seasons, which was very little affected by the war years. All Japanese fishermen and aliens of other nationalities were excluded for a few years but their places were taken by other fishermen and by 1946-1947 the total number of men licensed for commercial fishing reached an all-time high of 12,312. In 1945-1946, 46 United States born Japanese had returned to the industry and in 1946-1947 there were 172. In former years when there were larger groups of Orientals fishing a separate record of the American born Chinese was given in the citizenship classification. There were only 10 American born Chinese in 1945-1946 and 16 in 1946-1947. Citizens of the Philippine Islands appear as a separate group in the nativity records for the first time in 1945-1946. Prior to gaining their independence the Filipinos had been included with the United States group since it was the practice to credit dependents of the various nations to the motherland. The numbers of United States born and naturalized citizens are increasing and the number of aliens and fishermen with first naturalization papers only, are on the decline.

1937-1938	7,665
1938-1939	7,793
1939-1940	8,724
1940-1941	9,047
1941-1942	9,344
1942-1943	9,043
1943-1944	11,804
1944-1945	10,871
1945-1946	11,747
1946-1947	12,312

TABLE 19
NATIVITY OF LICENSED FISHERMEN
License Year 1945-1946

	Number of fishermen
United States.....	7,695
Italy.....	1,411
Jugoslavia.....	809
Norway.....	454
Portugal.....	371
Great Britain.....	230
Sweden.....	101
Mexico.....	77
Spain.....	67
Denmark.....	62
Finland.....	60
Germany.....	57
Russia.....	53
Greece.....	49
Philippine Islands.....	42
Austria.....	40
All others.....	169
Total licensed fishermen.....	11,747

TABLE 19
NATIVITY OF LICENSED FISHERMEN
License Year 1945-1946

TABLE 20
NATIVITY OF LICENSED FISHERMEN
License Year 1946-1947

	<i>Number of fishermen</i>
United States.....	8,513
Italy.....	1,339
Jugoslavia.....	736
Norway.....	454
Portugal.....	370
Great Britain.....	198
Sweden.....	92
Spain.....	60
Denmark.....	59
Finland.....	51
Philippine Islands.....	50
Germany.....	49
Mexico.....	48
Greece.....	47
Russia.....	38
Austria.....	21
All others.....	187
Total licensed fishermen.....	12,312

TABLE 20
MATIVITY OF LICENSED FISHERMEN
License Year 1946-1947

TABLE 21
CITIZENSHIP
1945-1946 Licensed Commercial Fishermen

	<i>Number of fishermen</i>
Citizens:	
United States born.....	7,687
Foreign-born United States citizens.....	8
Naturalized citizens.....	3,135
Noncitizens:	
First naturalization papers.....	455
Aliens.....	391
Nativity not given.....	23
Citizenship not given.....	48
Total.....	11,747

TABLE 21
CITIZENSHIP
1945-1946 Licensed Commercial Fishermen

TABLE 22
CITIZENSHIP
1946-1947 Licensed Commercial Fishermen

	<i>Number of fishermen</i>
Citizens:	
United States born.....	8,505
Foreign-born United States citizens.....	8
Naturalized citizens.....	3,053
Noncitizens:	
First naturalization papers.....	295
Aliens.....	294
Nativity not given.....	69
Citizenship not given.....	88
Total.....	12,312

TABLE 22
CITIZENSHIP
1946-1947 Licensed Commercial Fishermen

TABLE 23
CALIFORNIA COMMERCIAL FISHERMEN, LICENSE YEAR 1945-1946

<i>Region of residence</i>	<i>Nativity</i>	<i>Number of fishermen</i>	<i>Total</i>
Eureka-----	United States-----	484	
	Finland-----	34	
	Norway-----	19	
	All others-----	91	628
Sacramento-----	United States-----	362	
	Italy-----	141	
	Greece-----	21	
	All others-----	35	559
San Francisco-----	United States-----	889	
	Italy-----	385	
	Norway-----	49	
	Jugoslavia-----	30	
	Great Britain-----	22	
	All others-----	109	1,484
Monterey-----	United States-----	560	
	Italy-----	387	
	Spain-----	46	
	Portugal-----	19	
	All others-----	62	1,074
Santa Barbara-----	United States-----	356	
	Philippine Islands-----	33	
	Italy-----	11	
	All others-----	41	441
Los Angeles-----	United States-----	3,487	
	Jugoslavia-----	711	
	Italy-----	229	
	Great Britain-----	134	
	Norway-----	59	
	Austria-----	34	
	Russia-----	33	
	Denmark-----	23	
	Sweden-----	22	
	All others-----	131	4,863
San Diego-----	United States-----	1,302	
	Portugal-----	295	
	Italy-----	243	
	Mexico-----	37	
	Great Britain-----	27	
	Norway-----	24	
	Sweden-----	23	
	All others-----	72	2,023
Alaska, Washington and Oregon fishermen licensed in California-----	Norway-----	295	
	United States-----	255	
	Jugoslavia-----	47	
	Sweden-----	16	
	All others-----	33	646
Mexican nationals licensed in California-----	Mexico-----	29	29
Total-----			11,747

TABLE 23
CALIFORNIA COMMERCIAL FISHERMEN, LICENSE YEAR 1945-1946

TABLE 24
CALIFORNIA COMMERCIAL FISHERMEN, LICENSE YEAR 1946-1947

<i>Region of residence</i>	<i>Nativity</i>	<i>Number of fisherman</i>	<i>Total</i>
Eureka-----	United States-----	696	
	Finland-----	36	
	Norway-----	25	
	All others-----	88	845
Sacramento-----	United States-----	497	
	Italy-----	119	
	Greece-----	24	
	All others-----	31	671
San Francisco-----	United States-----	847	
	Italy-----	362	
	Norway-----	37	
	Jugoslavia-----	26	
	All others-----	112	1,384
Monterey-----	United States-----	787	
	Italy-----	383	
	Spain-----	37	
	Portugal-----	18	
	All others-----	69	1,294
Santa Barbara-----	United States-----	478	
	Philippine Islands-----	39	
	Portugal-----	13	
	All others-----	39	569
Los Angeles-----	United States-----	3,426	
	Jugoslavia-----	666	
	Italy-----	238	
	Great Britain-----	107	
	Norway-----	65	
	Russia-----	25	
	Sweden-----	23	
	Denmark-----	22	
	All others-----	169	4,741
San Diego-----	United States-----	1,477	
	Portugal-----	299	
	Italy-----	212	
	Great Britain-----	24	
	Norway-----	23	
	All others-----	92	2,127
Alaska, Oregon, Washington and other states licensed in California.	United States-----	305	
	Norway-----	296	
	Jugoslavia-----	26	
	All others-----	54	681
Total-----		12,312	

TABLE 24
CALIFORNIA COMMERCIAL FISHERMEN, LICENSE YEAR 1946-1947

3. COMMERCIAL FISHING FLEET

Commercial fishing boats are registered with the California Division of Fish and Game by the license season which is from April 1st through the following March 31st. During the seasons 1945–1946 and 1946–1947 there was an increase in numbers of boats of all sizes but the most rapid increase took place among boats over 85 feet in length. These represent vessels constructed for fishing on the high seas and capable of carrying large loads. In the smaller size categories occur several types of former military craft. In the group under 40 feet are many converted 36-foot navy landing craft. In the 1945–1946 season one army amphibian was registered for commercial fishing and in 1946–1947 there were five of these DUKWs operating.

<i>Season</i>	<i>Under 40 feet</i>	<i>40 feet and over</i>	<i>Total</i>
1939–40	2,253	857	3,110
1940–41	2,510	944	3,454
1941–42	2,331	871	3,202
1942–43	2,264	701	2,965
1943–44	2,929	797	3,726
1944–45	2,852	930	3,782
1945–46	3,103	1,042	4,145
1946–47	3,558	1,299	4,857

TABLE 25
COMMERCIAL FISHING FLEET—1945–1946

Region of home port	Number of boats, grouped by length					Total number of boats for each region
	Up to 24 feet	25 to 39 feet	40 to 64 feet	65 to 84 feet	85 feet and over	
Eureka-----	43	244	71	7	-----	365
Sacramento-----	122	192	5	-----	-----	319
San Francisco-----	91	505	92	24	3	715
Monterey-----	89	199	25	61	4	378
Santa Barbara-----	37	87	30	1	-----	155
Los Angeles-----	298	879	287	107	32	1,603
San Diego-----	69	229	103	42	54	497
Alaska, Oregon and Washington-----	19	44	44	6	6	113
Total number of boats-----	749	2,354	657	286	99	4,145

TABLE 25
COMMERCIAL FISHING FLEET—1945–1946

TABLE 26
COMMERCIAL FISHING FLEET—1946-1947

Region of home port	Number of boats, grouped by length					Total number of boats for each region
	Up to 24 feet	25 to 39 feet	40 to 64 feet	65 to 84 feet	85 feet and over	
Eureka-----	34	272	95	15	2	418
Sacramento-----	137	228	10	-----	1	376
San Francisco-----	83	528	108	24	6	749
Monterey-----	74	207	34	63	6	384
Santa Barbara-----	43	108	33	-----	1	185
Los Angeles-----	361	1,059	345	124	39	1,928
San Diego-----	100	288	123	49	87	647
Alaska, Oregon and Washington-----	-----	36	77	44	13	170
Total number of boats-----	832	2,726	825	319	155	4,857

TABLE 26
COMMERCIAL FISHING FLEET—1946-1947

4. FISHING-PARTY VESSELS

Every person operating a fishing-party vessel for profit in this State must first obtain from the Division of Fish and Game a permit, good for one calendar year. A record of these party-permit boats is included with the regular commercial fishing fleet because they draw upon the same supply of fish. The majority of the owners and operators hold commercial fishing licenses and do commercial fishing as well as operating sport fishing boats.

The number of party vessels under permit decreased during the war years from 553 in 1941 to 235 in 1944. With the termination of hostilities, restrictions on marine sport fishing and automobile transportation were removed. Most people were thus able to indulge in marine sport fishing and party-permit boats again began to increase. By 1946, 438 boats were in operation.

TABLE 27
FISHING-PARTY VESSELS

	1945	1946
Boat owners with market fishermen's licenses-----	157	242
Boat owners with party permits only-----	131	196
Total party permit or "sport" boats-----	288	438

TABLE 27
FISHING-PARTY VESSELS

5. EXPLANATION OF TABLES

5.1. SHIPMENTS INTO CALIFORNIA

The tables in this series of bulletins present a record of the landings of the commercial fishing boats at California ports and of shellfish harvested along the coast. In addition there are included shipments of fish first landed outside of the State but brought in by rail, truck, or cargo vessel to be canned in California, or to be sold fresh. The tables do not include the fish which is canned, frozen, packaged or processed outside of the State and shipped to our markets and wholesale dealers.

1945 shipments included in the state-wide tables are as follows:

	<i>Pounds</i>
To canneries from north of the State line	
Albacore	60,901
To canneries from south of the international boundary	
Albacore	47,857
Skipjack Tuna	81,055
Yellowfin Tuna	1,323,504
Yellowtail	18,972
Pismo Clam	53,414,200
To fresh fish markets from south of the international boundary	
Spiny Lobster	793,303
Miscellaneous Fish	54,229

1946 shipments included in the state-wide tables are as follows:

	<i>Pounds</i>
To canneries from south of the international boundary	
Skipjack Tuna	214,162
Yellowfin Tuna	818,032
Pismo Clam	11,408,496
To fresh fish markets from south of the international boundary	
Spiny Lobster	1,225,767
Miscellaneous Fish	12,367

5.2. STATISTICAL REGIONS

The boundaries of the regions of landings shown in Figure 1 and in the tables are as follows:

Eureka region: Del Norte, Humboldt and Mendocino Counties.

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

San Francisco region: Sonoma, Marin, San Francisco and San Mateo Counties, including San Francisco and San Pablo Bays; Alameda and Contra Costa Counties to Carquinez Straits.

Monterey region: Monterey and Santa Cruz Counties.

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

Los Angeles region: Los Angeles and Orange Counties.

San Diego region: San Diego and Imperial Counties.

5.3. VALUE

The value tables represent the amount paid to the fishermen for their catch. The fish receipt does not always show the price paid per pound. Where this information is lacking, the calculated value is based on the average price paid for the month and in the area where the fish is delivered.

5.4. CONVERSION FACTORS

The source from which the tables are compiled is a copy of the original fish receipt issued to the fisherman by the buyer at the time the fish is first landed. The poundage reported is assumed to be round weight unless the receipt indicates that the fish is cleaned or out of the shell. In such cases adjustments are made if this can be done with fair accuracy. There are inconsistencies in some weights, however, due to the fact that the receipt does not always indicate whether the fish was or was not cleaned before landing, or the manner in which it was cleaned. Salmon, white seabass and barracuda are examples of such species and for these no adjustments have been possible. Some other species are as a rule landed in a cleaned condition but again adjustments have not been made since accurate field data which would provide the basis for adjusting the weights are lacking. Such species are catfish with a cleaning loss approximating 50 percent, broadbill swordfish and groupers with a cleaning loss of 20 to 30 percent, and sharks where at times livers only are landed.

Conversion factors are available for shellfish and when these species are reported in numbers rather than pounds, or as cleaned rather than round weight, the factors used are: "Crab, 2 pounds each; red abalone, 50 pounds per dozen; green abalone, 35 pounds per dozen; Pismo clams, 24 pounds per limit of 15 clams; Mexican Pismo clams, 8 pounds for each 1 pound cleaned weight; Washington clams, 7 pounds per dozen; Eastern oysters, 30 pounds per hundred; Pacific oysters, 50 pounds per hundred or 8 pounds per gallon cleaned."

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

<i>Common name</i>	<i>Scientific name</i>
Anchovy	<i>Anchoviella compressa</i> <i>Anchoviella delicatissima</i> <i>Engraulis mordax</i>
Barracuda	<i>Sphyraena argentea</i>
Cabezone	<i>Scorpaenichthys marmoratus</i>
Cabrilla	<i>Epinephelus analogus</i>
Carp	Various species of <i>Mycteroperca</i>
Catfish	<i>Cyprinus carpio</i> <i>Ameiurus catus</i> <i>Ameiurus nebulosus</i>
Corbina, Mexican	<i>Cynoscion sp.</i>
Cultus, Pacific	<i>Ophiodon elongatus</i>
Eel	<i>Cebidichthys violaceus</i> <i>Xiphister mucosus</i> Other stichaeids and blenniids <i>Gymnothorax mordax</i>
Flounder, Starry	<i>Platichthys stellatus</i>
Flying Fish	<i>Cypselurus californicus</i>
Grouper	Various species of <i>Mycteroperca</i>
Hake	<i>Merluccius productus</i>
Halibut, California	<i>Paralichthys californicus</i>
Halibut, Northern	<i>Hippoglossus stenolepis</i>
Hardhead	<i>Orthodon microlepidotus</i> <i>Mylopharodon conocephalus</i>
Herring, Pacific	<i>Clupea pallasi</i>
Kingfish	<i>Genyonemus lineatus</i>
Small percentage of Queenfish	<i>Seriphus politus</i>
Mackerel, Jack	<i>Trachurus symmetricus</i>
Mackerel, Pacific	<i>Pneumatophorus diego</i>
Mackerel, Spanish	<i>Scomberomorus sierra</i>
Mullet	<i>Mugil cephalus</i>
Perch	
Halfmoon	<i>Medialuna californiensis</i>
Opal-eye	<i>Girella nigricans</i>
Salt-water	Various members of the Embiotocidae
Sargo	<i>Anisotremus davidsoni</i>
Pike	<i>Ptychocheilus grandis</i>

* Formerly known as Horse Mackerel.

<i>Common name</i>	<i>Scientific name</i>
Pompano, California	<i>Palometa simillima</i>
Rock Bass	<i>Paralabrax clathratus</i>
Rockfish	All species of <i>Sebastodes</i> and <i>Sebastolobus</i> found in California waters
Sablefish	<i>Anoplopoma fimbria</i>
Salmon	<i>Oncorhynchus tshawytscha</i>
Sand Dab	<i>Oncorhynchus kisutch</i>
Sardine	<i>Citharichthys stigmaeus</i>
Sculpin	<i>Citharichthys sordidus</i>
Sea-bass, Black	<i>Sardinops caerulea</i>
Sea-bass, White	<i>Scorpaena guttata</i>
Shad	<i>Stereolepis gigas</i>
Shark	<i>Cynoscion nobilis</i>
	<i>Alosa sapidissima</i>
	<i>Allopias vulpes</i>
	<i>Galeorhinus zyopterus</i>
	<i>Mustelus californicus</i>
	<i>Notorynchus maculatus</i>
	<i>Prionace glauca</i>
	<i>Rhinotriacus henlei</i>
	<i>Squalus suckleyi</i>
	<i>Triakis semifasciata</i>
Sheepshead	Small percentage of other species
Skate	<i>Pimelometopon pulcher</i>
	<i>Raja binoculata</i>
	<i>Raja inornata</i>
	<i>Raja rhina</i>
Smelt	And other species
	<i>Atherinops affinis</i>
	<i>Atherinopsis californiensis</i>
	<i>Leuresthes tenuis</i>
	<i>Hypomesus pretiosus</i>
Sole	Small percentage of other Osmeridae
	<i>Eopsetta jordani</i>
	<i>Glyptocephalus zachirus</i>
	<i>Parophrys vetula</i>
Split-tail	Several other pleuronectids
Sucker	<i>Pogonichthys macrolepidotus</i>
	<i>Catostomus occidentalis</i>

<i>Common name</i>	<i>Scientific name</i>
Swordfish, Broadbill	<i>Xiphias gladius</i>
Tuna	
Albacore	<i>Thunnus germo</i>
Bluefin	<i>Thunnus thynnus</i>
Bonito	<i>Sarda lineolata</i>
Skipjack	<i>Katsuwonus pelamis</i>
Yellowfin	<i>Neothunnus macropterus</i>
Turbot	<i>Hypsopsetta guttulata</i>
	<i>Pleuronichthys decurrens</i>
	<i>Pleuronichthys verticalis</i>
	Possibly a small percentage of other pleuronectids
Whitebait	<i>Allosmerus attenuatus</i>
	<i>Spirinchus starksii</i>
	Young of several species of fishes
Whitefish, Ocean	<i>Caulolatilus princeps</i>
Yellowtail	<i>Seriola dorsalis</i>
Crab, Market	<i>Cancer magister</i>
Crab, Rock	<i>Cancer antennarius</i>
	<i>Cancer anthonyi</i>
	<i>Cancer productus</i>
Lobster, Spiny	<i>Panulirus interruptus</i>
Shrimp	<i>Crago franciscorum</i> and <i>Crago nigricauda</i>
Abalone	<i>Haliothis fulgens</i>
	<i>Haliothis rufescens</i>
Calm, Cockle	<i>Haliothis cracherodii</i>
	<i>Paphia staminea</i>
	Species of <i>Chione</i>
Clam, Pismo	<i>Tivela stultorum</i>
Clam, Soft-shell	<i>Mya arenaria</i>
Clam, Washington	<i>Saxidomus nuttalli</i>
Octopus	<i>Polypus hongkongensis</i>
Oyster, Eastern	<i>Polypus bimaculatus</i>
Oyster, Pacific	<i>Ostrea virginica</i>
Squid	<i>Ostrea gigas</i>
	<i>Loligo opalescens</i>
	Small percentage of other species

TABLE 28
ORIGIN OF COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1945

Species	California	North of the State Boundary	South of the International Boundary	Total pounds
Anchovy	3,616,880			3,616,880
Barndoor	7,474,203	2,128,697	3,873,257	10,350,000
Catfish	4,903			4,903
Cabrilla		575,153		575,153
Carp	122,321			122,321
Cod	1,000,000			1,000,000
Cortina, Mexican		1,219		1,219
Cuttle, Pacific	758,329	375	785,704	2,233,733
Flying Gurnard	380,000			380,000
Flying Fish	0,167			0,167
Grouper		92,435		92,435
Hake	2,416			2,416
Haddock, California*	4,658,137	166,671	1,804,808	6,323,616
Haddock, Northern	233,986			233,986
Herring	9,314			9,314
Herring, Pacific	490,000			490,000
Kingfish	489,338		177	489,515
Mackerel, Jack	0,032,987			0,032,987
Mackerel, Pacific	57,116,706			57,116,706
Mackerel, Spanish		11,884		11,884
Mullet*	304,591			304,591
Petrale	215,000			215,000
Pike	1,188		5,815	1,188
Pompano, California	70,049			70,049
Pork Bass		45,365		45,365
Rock Bass	11,344,539	5,207	36,207	13,286,403
Sablefish	1,258,638	449		6,259,087
Salmon	13,380,714			13,380,714
Sea Dab	588,000			588,000
Sardine	845,062,774			845,062,774
Scallop	92,371		1,735	94,656
Seabass, Black		318,151		318,151
Seabass, White	380,063		147,262	527,355
Shad	1,483,674			1,483,674
Shallot	1,400,000	8,070		2,408,070
Sheepshead	190,842		55,242	245,534
Skate	74,009			74,009
Smelt	2,360,000		198	2,360,198
Soles	7,752,754	2,161		7,754,945
Split-tail	2,633			2,633
Sucker	1,373			1,373
Swordfish, Broadbill	160,723			160,723
Tuna, Albacore	8,790,413	293,751	12,262,037	21,336,201
Tuna, Bluefin	11,359,126		6,454,933	20,694,109
Tuna, Skipjack	1,400,000		2,417	1,402,417
Tuna, Yellowfin	4,059		33,254,818	33,254,866
Turbot	180,000			180,000
Whitebait	260,723			260,723
Whitefish, Ocean	32,780		25,208	61,988
Yellowtail	39,448		3,504,606	3,544,052
Molluscan Fish	372,698		1,122	373,720
Crustacean:				
Crab	4,346,083			4,346,083
Lobster, Spiny	479,119		793,303	1,272,422
Shrimp	383,699			383,599
Mollusk:				
Ahalone	2,439,912		17,269	2,446,681
Blue Cockle	1,067			1,067
Clam, Pismo	98,079		53,414,200	53,440,279
Clam, Soft-shell	13,415			13,415
Clam, Washington				405
Oyster	12,508			12,508
Oyster, Eastern	55,581			65,581
Oyster, Pacific	399,738			399,738
Squid	12,235,539			15,225,539
Total pounds	1,012,304,325	310,733	203,344,624	1,215,959,582

This table includes actual landings at California ports by the commercial fishing fleet as well as shipments from other states and foreign countries by truck, rail and ocean liner to California canneries and to fresh fish dealers. For detail see page 38.

* See footnote a, Table 29.

^a Includes part but not all of the pounds of mullet taken in the Salton Sea.

TABLE 28
ORIGIN OF COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1945

TABLE 29
POUNDS AND VALUE OF COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1945

Species	Eureka Region		Sacramento Region		San Francisco Region		Monterey Region		DIVISION OF FISH AND GAME
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	
Anadovy.....	475	\$30			292,000	\$7,004	127,747	\$660	
Barracuda.....					3,492	103	811	30	
Cabezone.....									
Calif. Halibut.....					26,526	\$1,353	65,528	4,834	
Carp.....			425,044		103,304	290	87		
Catfish.....									
Catfish, M.					147,032	9,510	39,382	2,587	
Cultus, Pacific.....	594,740	54,770			139,784	8,002	32,234	1,462	
Frigader, Starry.....	115,743	6,102							
Flying Fish.....									
Grouper.....									
Hake.....	2,102	343			113	52			
Hake, California.....					*62,415	7,363	34,117	4,601	
Hake, Northern.....	233,774	43,050			212	58			
Haddock.....					8,938	1,000			
Herring, Pacific.....	68,635	1,032	1,220	381	309,305	5,423	88,260	580	
Kingfish.....					8,358	421	241,273	18,196	
Mackerel, Jack.....					250,000	250,000	19,077	1,977	
Mackerel, Pacific.....					2,017	144	455,210	17,562	
Mahi-mahi, Spanish.....									
Mullet.....									
Perch.....	44,803	4,777	188	16	81,084	11,801	28,211	2,391	
Pike.....					89	45	9,274	5,837	
Pompano, California.....									
Rock Bass.....									
Rockfish.....	11,718,524	514,737			155,636	8,889	1,177,180	75,865	
Sablefish.....	3,657,829	205,065			165,361	15,018	2,427,934	205,367	
Salmon.....	4,014,114	80,000	5,407,990	782,573	8,451,054	427,171	3,100,000	142,110	
Sand Dab.....	145,104	6,530			225,088	15,050	111,577	7,385	
Sardine.....					149,362,060	1,659,537	316,980,468	3,561,906	
Squid.....									
Sea-bass, Black.....	5,237	69			54,152	4,723	2,118	236	
Sea-bass, White.....					276	30			
Shad.....	780		1,482,613	71,583					
Shark.....	570,523	156,123			395,068	426,272	161,508	14,764	
Sheepshead.....									

TABLE 29
POUNDS AND VALUE OF COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1945

Skate.....	842	98			30,576	300	27,444	653
Smelt.....	150,297	12,271			1,715,364	106,915	22,563	14,437
Sole.....	4,792,645	215,578			2,133,492	95,525	537,663	25,343
Split-tail.....			2,633	268				
Squid.....								
Swordfish, Broadbill.....								
Tuna, Albacore.....	68,801	17,500			4,655	630	368,259	71,803
Tuna, Bluefin.....					1,639	94		
Tuna, Bonito.....								
Tuna, Yellowfin.....								
Turbot.....	52,131	5,385			3,622	304		
Whitefish, Pacific.....	245,773	21,847			35,417	1,702	3,065	105
Whitefish, Ocean.....					6,030	5,355		
Yellowtail.....								
Miscellaneous Fish.....	260,697	13,329	68	3	39,125	1,972	5,638	301
 Crustacean:								
Crab.....	1,360,568	140,077			2,914,474	372,453	57,588	6,779
Lobster, Spiny.....					352,147	14,609	1,432	341
Shrimps.....								
 Mollusks:								
Avalone.....					380,310	41,088	167,572	19,841
Clam, Cockle.....								
Clam, Cockle.....								
Clam, Soft-shell.....	348	27			13,067	784	3,246	314
Clam, Washington.....								
Oyster, Rock.....	2,458	180			7,144	545	2,566	385
Oyster, Eastern.....					65,581	8,461		
Oyster, Eastern.....					60,839	8,117		
Squid.....	200	6					15,175,429	423,980
Total pounds and value.....	28,753,877	\$2,375,977	43,243,893	\$1,355,785	161,937,333	\$3,370,282	339,566,856	\$4,639,580

* As reported by buyers. However, field investigations indicate that almost all landings at San Francisco are northern halibut.

For regions north of Santa Barbara crab landings are market crab, in Santa Barbara Region both market and rock crab, in Los Angeles Region rock crab.

TABLE 29—Cont'd.

TABLE 29—Continued
POUNDS AND VALUE OF COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1945

Species	Santa Barbara Region		Los Angeles Region		San Diego Region		Total		DIVISION OF FISH AND GAME
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	
Anchovy.....			1,166,828	\$22,573	100	\$4	1,016,830	\$30,987	
Barracuda.....	8,130	\$1,258	2,332,730	308,454	1,632,397	175,493	3,873,257	485,233	
Cabezon.....							4,203	133	
Calmar.....			355,427	67,045	222,781	35,812	576,178	82,388	
Carp.....			29,667	2,832			122,021	8,639	
Catfish.....							4,454	10	
Cuttle, Mexican.....							1,219	140	
Cuttle, Pacific.....	4,556	341	1,219	145	145	18	758,704	67,382	
Finned Starry.....	667	30	1,849	156			309,465	14,465	
Flying Fish.....			685	6			6,167	439	
Grouper.....			6,177	439			92,435	12,033	
Hake.....			37,404	5,435	55,031	6,591	2,401	400	
Hake, California.....							1,804,808	263,063	
Hake, Northern.....	937,708	135,578	521,557	75,583	245,652	30,638	2,000,000	45,000	
Herring, Pacific.....							9,314	1,924	
Huskies.....							460,465	7,171	
Kingfish.....	1,448	115	207,055	11,141	3,565	135	47,455	24,455	
Mackerel, Jack.....	112	8	8,751,129	134,596	809	38	9,032,287	144,909	
Mackerel, Pacific.....	141,332	6,955	62,531,712	1,052,210	286,434	11,838	53,716,705	11,115,734	
Mackerel, Spanish.....			1,352	232	9,322	57	11,761	1,761	
Mullet.....			118,745	12,196	187,046	22,227	304,391	34,393	
Perch.....	26,311	3,031	35,638	4,885	3,475	278	218,570	27,168	
Dots.....	174	50	61,142	8,005	270	55	70,949	13,542	
Pompano, California.....	15,181	2,000	2,000	2,000	12,900	55,321	1,000	1,000	
Rock Bass.....	59,095	5,960	50,569	5,988	46,699	4,031	13,280,403	610,981	
Sablefish.....	1,467	133	6,496	708			6,259,057	519,293	
Salmon.....	36,758	6,000					13,240,000	2,433,300	
Sand Dab.....			6,637	1,022			588,356	31,737	
Sardine.....	277	6	337,459,607	3,723,833	5,555,262	55,354	845,602,774	9,409,748	
Sardine, Sardine.....	3,273	260	2,000	2,000	19,200	1,735	1,735	1,735	
Sea-bass, Black.....	2,124	210	145,127	19,413	180,292	20,353	330,543	39,976	
Sea-bass, White.....	159,398	21,965	212,266	25,295	115,927	13,930	327,253	69,949	
Shad.....							1,413,000	71,584	
Shark.....	451,128	75,754	655,579	412,405	174,261	15,603	2,438,097	1,102,960	
Sheepshead.....	105,513	6,205	58,953	5,890	87,708	5,232	249,594	22,325	

TABLE 29—Cont'd.

COMMERCIAL FISH CATCH OF CALIFORNIA

	9,602	341	5,745	302	550	81	74,009	1,680
Skate.....	27,645	2,288	231,298	15,735	269	81	2,369,465	155,731
Sole.....	22,409	10,348	8,143	19	83	7,472	352,298	208
Split-tail.....							2,633	766
Sucker.....							1,528	109,662
Swallowtail Bass.....							200,000	4,158,440
Tuna, Albacore.....	46,047	14,052	129,240	37,625	193,586	58,188	2,370,277	21,336,201
Tuna, Bluefin.....	70,155	140,446	6,072,641	1,357,578	15,181,000	2,370,277	4,158,440	1,383,114
Tuna, Bonito.....	167,535	18,925	18,948	1,783,230	1,066,705	81,978	2,714,181	216,605
Tuna, Skipjack.....	20,118	2,667	1,677,520	818,644	24,035,823	2,163,161	33,347,896	2,982,265
Tuna, Yellowfin.....	6,233	560	9,305,820	3,511,183	14,161,785	87,145	87,145	87,145
Dwarfed.....	303	33	35,290,033	14,161,785	15,181,000	150,570	150,570	6,734
Whitebait.....	25,227	1,013	887	48			250,723	27,632
Whiting.....	26,253	1,683	11,666	1,491	24,164	5,753	10,127	3,277
Whitefish, Ocean.....							144,893	292,338
Yellowtail, Ocean.....							3,534,032	
Miscellaneous Fish.....	20,603	1,670	46,257	3,249	1,182	114	373,790	20,638
Total pounds and value.....	5,468,016	\$705,713	531,118,017	\$15,056,880	105,871,020	\$11,265,846	1,215,059,552	\$35,670,016

This table includes actual landings at California ports by the commercial fishing fleet as well as shipments from other states and foreign countries by truck, rail and ocean liner to California cannerys and to the fresh fish dealers. For detail see page 59.

* Includes albacore delivered to barges of San Diego and Santa Catalina Island but reported at Santa Barbara although landed at other ports.

TABLE 29—Cont'd.

TABLE 30
MONTHLY COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1945

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Anchoy.....	205,195	13,865	4,900	9,440	53,010	121,205	133,951	207,054	190,588	114,050	405,405	153,305	1,816,880
Barracuda.....	112,662	395,689	403,475	226,116	79,509	685,715	88,571	34,090	398,787	383,046	170,321	167,576	3,873,257
Cabrona.....	56	96	107	158	2,281	591	362	72	150	190	175	39	4,203
Calmar.....	2,239	10,153	13,200	21,400	53,930	91,000	146,300	52,771	44,293	96,307	72,153	67,158	1,036,158
Carp.....	520	342	7,035	12,442	9,810	35,038	3,738	8,466	1,683	9,028	20,324	122,321	
Caribea.....	31,703	29,759	34,004	58,428	298	91	22,362	70,865	106,331	67,943	425,324
Codfish, Market.....	32,466	11,695	13,896	38,333	87,074	59,795	101,430	121,055	99,640	95,147	45,535	49,740	755,704
Flounders, Starry.....	26,977	40,287	30,970	41,030	19,420	2,848	8,900	10,134	26,258	41,099	30,350	57,514	359,218
Flying Fish.....	533	4,478	2,488	20	1,107	
Grouper.....	1,544	8,014	1,126	15,560	4,704	11,700	11,908	6,040	6,988
Hake.....	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	25,445
Habu, California*.....	160,955	124,233	165,005	228,333	126,772	118,982	75,388	153,811	118,623	169,402	171,009	170,263	1,804,588
Hake, Northern.....	260	158	82	257	145,771	65,938	7,938	8,014	4,364	1,235	571	45	233,986
Haddock.....	1,141	1,141	1,141	1,141	1,141	1,141	1,141	1,141	1,141	1,141	1,141	1,141	2,014
Herring, Pacific.....	147,491	52,613	137,144	73	37,660	74,535	26,157	48,460	39,900	38,511	2,888	31,068	460,465
Kingfish.....	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100
Mackerel, Jack.....	1,157,570	216,444	181	4,754	10,656	18,938	10,130	10,065	10,750	2,694,722	3,846,801	9,002,327	
Mackerel, Pacific.....	4,216,443	734,184	83,553	343,947	335,260	267,048	100,573	1,100,625	7,345,396	14,826,622	15,881,523	10,468,720	53,716,705
Mackerel, Spanish.....	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100
Mullet.....	90,790	19,439	50,435	40,173	66,968	31,099	5,320	68	294	2,686	248	1,035	304,391
Perch.....	10,199	11,337	54,604	75,455	4,681	385	20,231	10,661	10,202	8,686	6,096	6,268	218,870
Pike.....	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100
Pompano, California.....	568	5,353	21,623	14,669	7,222	2,271	2,742	2,462	2,668	2,305	5,344	3,719	70,349
Rock Bass.....	18	11,272	1,147	6,160	38,884	27,228	2,327	6,535	12,441	12,173	10,945	163,348	
Rockfish.....	368,422	227,534	690,885	1,005,241	3,114,963	1,538,007	1,075,041	1,130,639	1,075,041	521,531	630,920	13,300,003	
Sablefish.....	120,734	66,346	149,009	270,172	664,655	471,104	592,212	988,149	825,559	810,320	427,899	885,919	6,259,057
Salmon.....	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100
Sand Dab.....	53,633	69,576	95,476	74,614	40,059	62,752	38,691	30,304	34,230	30,191	36,617	39,541	588,356
Sardine.....	93,3 1,069	31,467,456	382,956	246,820	1,910,007	3,647,450	1,906,5 2	10,764,704	303,690	134,272,215	65,111,235	845,062,774	
Sedlak, Black.....	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100
Sea-bass, Black.....	1,634	6,809	20,688	14,080	25,710	67,698	13,150	5,349	10,787	41,894	25,485	97,256	330,543
Sea-bass, White.....	6,184	7,657	40,885	591,720	20,600	48,978	57,455	67,776	73,576	113,125	46,069	29,133	1,434,555
Shad.....	475,232	59,023	33,213	70,604	188,475	347,694	344,842	298,331	187,548	131,835	88,021	213,359	1,434,574
Shark.....	30,291	20,963	26,252	30,910	18,718	30,187	4,908	5,173	3,745	33,383	22,892	22,753	249,694
Sheepshead.....

TABLE 30
MONTHLY COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1945

COMMERCIAL

FISH

OF

CALIFORNIA

Skate.....	8,805	9,253	14,002	17,199	2,955	3,485	2,975	4,395	1,059	141	3,245	6,352	74,009
Sole.....	73,340	46,075	31,511	45,140	151,440	162,455	121,715	133,715	112,310	83,403	44,762	2,945	2,908
Split-tail.....	497,619	388,515	485,835	562,527	692,214	530,808	1,155,938	939,880	515,304	899,113	390,803	695,514	7,754,945
Swordfish.....	55	141	254	100	134	43	—	—	580	868	60	461	2,633
Swordfish, Broadbill.....	—	—	—	—	—	372	1,094	24,310	25,230	66,612	195,074	45,067	1,438
Tuna, Bluefin.....	65,681	2,335	2,335	2,335	2,335	2,335	2,335	2,335	2,335	2,335	2,335	2,335	363,063
Tuna, Bluefin.....	29,000	646,845	29,000	29,000	2,790,317	4,541,757	4,175	4,731,047	9,911,408	3,169,325	3,688,238	280,877	1,94
Tuna, Bonito.....	142,589	63,545	6,415	50,988	35,069	31,388	20,555	242,815	702,620	550,640	407,991	156,781	2,714,181
Tuna, Yellowfin.....	2,654,769	4,472,583	4,545,400	12,900	18,054	2,283	8,917	1,463,716	1,044,225	4,050,313	10,785,328	4,892,525	3,121,400
Turbot.....	5,633	9,235	12,900	18,054	2,283	8,917	1,463,716	1,044,225	4,050,313	10,785,328	4,892,525	3,121,400	37,445,045
Whiting.....	10,423	4,372	7,177	8,714	5,175	9,770	5,674	7,469	11,570	14,930	39,326	26,847	1,619
Whitefish, Ocean.....	153,197	125,162	86,512	131,947	226,697	370,176	532,258	527,354	555,744	384,166	206,570	250,999	3,534,032
Micromesistius Fish.....	12,637	5,397	3,294	7,000	9,080	12,034	10,248	56,514	81,158	129,674	49,900	4,775	375,790
Crustaceans:													
Crab.....	390,588	240,757	235,724	447,049	617,492	436,957	340,248	162,491	713	24	860,018	608,022	4,346,083
Lobster, Spiny.....	246,697	105,470	232,099	35,300	—	—	—	—	—	—	222,933	150,707	276,140
Shrimp.....	151,167	11,901	5,650	10,574	27,619	35,553	62,193	78,061	34,116	40,183	25,664	30,598	353,599
Medium:													
Abaione.....	144,070	—	31,740	326,008	264,982	186,881	363,474	372,856	282,563	180,120	172,777	150,411	2,446,581
Clam, Cockle.....	—	—	—	—	—	50	812	205	—	—	—	—	1,067
Clam, Pacific.....	2,630,252	3,705,255	3,104,511	2,965,155	3,104,677	3,469,151	3,264,451	5,928,351	5,743,351	7,373,769	8,189,018	83,440,279	115
Clam, Soft-shelled.....	1,416	1,128	1,554	1,420	1,241	1,281	1,086	1,78	1,123	1,095	1,097	1,351	6,565
Clam, Washington.....	949	442	1,444	1,282	—	—	—	—	—	—	—	—	—
Oyster, Eastern.....	545	151	1,484	1,484	1,484	1,484	1,484	915	855	481	1,097	1,351	6,565
Oyster, Eastern.....	10,807	9,269	6,954	4,418	5,493	5,493	2,750	2,375	2,890	7,095	9,993	12,289	153,435
Oyster, Pacific.....	40,312	40,598	60,141	31,038	25,428	15,709	23,622	20,257	16,560	6,050	16,300	10,785	369,738
Squid.....	771	12,470	11,000	6,976	7,940,227	3,949,499	1,152,168	450,952	783,360	195,410	321,320	325,970	15,245,589
Total pounds.....	108,498,028	44,331,703	13,543,912	18,933,010	41,601,028	40,885,567	37,847,831	141,730,513	202,233,614	284,702,410	176,116,789	105,525,181	1,215,959,832

This table includes actual landings at California ports by the commercial fishing fleet as well as shipments from other states and foreign countries by truck, rail and ocean liner to California cannerys and to the fresh fish dealers. For detail see page 58.

* See footnote a, Table 20.

TABLE 30—Cont'd.

TABLE 31
COMMERCIAL FISH LANDINGS IN THE EUREKA REGION DURING 1945
Fishing Boat Landings From California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds	DIVISION OF FISH AND GAME	
Anchovy.....													475		
Cuttle, Pacific.....	16,772	5,078	3,344	27,050	64,784	47,031	70,177	105,084	86,109	125	25,610	30,491	584,365		
Flounder, Starry.....	6,239	5,709	1,649	9,135	7,553	787	2,882	2,527	4,205	16,284	17,058	41,463	115,943		
Lake.....													102		
Hallibut, Northern.....	140	90	82	257	145,771	65,038	7,298	8,014	4,364	1,228	547	48	233,774		
Herring, Pacific.....													255		
Petrale, Sardine.....	1,663	3,049	18,046	18,223	146	163	466	456	1,944	453	265		44,393		
Rockfish.....	275,617	187,900	623,569	1,022,541	3,019,329	1,452,875	1,107,536	1,138,905	914,682	1,031,022	345,520	576,323	11,713,327		
Sablefish.....	487	21,042	64,592	19,341	14,494	382,719	253,372	1,764,756	1,662,039	454,547	83,787	396,162	753,211	3,650,150	
Salmon.....													4,627,714		
Sand Dab.....	6,362	1,031	5,971	10,029	16,693	8,888	20,783	16,232	12,264	14,212	11,815	20,256	145,104		
Sea Bass, White.....	327	150	150	150	150	150	150	1,273		
Shad.....													789		
Shark.....	345,104	7,732	743	1,073	891	11,472	9,244	18,561	31,820	17,215	11,042	861,533		
Skate.....							150	150	150	150	150	150	842		
Sole.....		677	562	2,107	3,001	14,276	45,865	59,556	21,038	8,375	8,375		159,297		
Sole.....	190,244	51,413	72,573	160,300	303,849	246,111	900,000	780,000	492,421	830,000	274,650	501,556	4,700,154		
Tuna, Albacore.....							283	50	89,155	273			89,801		
Turbot.....	756	657	3,843	510	11,870	14,305	34,885	24,491	452	74	89,144		241,725		
Whiting.....	7,280	40,880	31,705	25,461	29,518	52,152	30,500	31,521	21,521	126,700	10,614	1,620	280,937		
Miscellaneous Fish.....	101	17	18	772	1,666	2,654	35,534	71,832							
Crustacean:															
Crab.....	46,581	64,369	57,259	225,947	375,154	256,030	184,545	102,450	48,233	1,380,668			
Mollusk:															
Clam, Soft-shell.....													345		
Clam, Hard-shelled.....	940	445	14,441	1,938			1,067	1,451	6,565		
Octopus.....	195	69	17	108	223	340	457	246	61	217	104	451	2,498		
Squid.....												300	200		
Total pounds.....	901,969	413,857	925,148	1,556,642	4,623,990	2,539,319	4,638,154	4,369,454	2,612,099	2,903,626	1,108,050	2,126,637	28,736,805		

TABLE 31
COMMERCIAL FISH LANDINGS IN THE EUREKA REGION DURING 1945
Fishing Boat Landings From California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Gulper, Pacific.....	9	294	66	75	375
Rockfish.....	4,678	11	610	5,287
Sablefish.....	449	449
Shark.....	98	8,126	4,560	8,670
Bone.....	2,191	2,191
Total pounds.....	987	7,550	3,203	5,342	16,932
Grand totals, Eureka Region.....	902,956	413,837	922,148	1,556,642	4,623,990	2,559,319	4,638,154	4,369,454	2,612,699	2,911,178	1,111,233	2,153,229	28,753,877

TABLE 32

COMMERCIAL FISH LANDINGS IN THE SACRAMENTO REGION DURING 1945
Fishing Boat Landings From California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds	DIVISION OF FISH AND GAME
Carp.....	361	236	549	5,309	5,076	4,406	2,384	1,633	64	1,877	4,491	28,320		
Catfish.....	31,703	29,789	34,004	58,428	298	91	22,862	70,575	109,331	67,048	100	425,044		
Hardhead.....	7	116	11	37	5	—	292	840	100	1,272	188			
Pike.....	—	—	—	—	—	—	—	—	—	—	—	—	—	
Salmon.....	18,620	33,483	22,387	150,771	696,574	343,281	246,293	3,665,130	—	650	1,741	5,487,950		
Sardine.....	4,442,000	774,000	—	—	—	—	6,366,300	11,621,000	9,101,000	5,236,500	—	38,382,500		
Shad.....	—	—	—	591,627	930,482	10,641	580	808	—	60	461	1,482,518		
Split-tail.....	52	141	254	100	134	43	—	—	—	—	—	2,633		
Miscellaneous Fish.....	—	—	—	65	—	—	—	—	—	—	—	65		
Grand totals, Sacramento Region.....	4,490,743	837,765	95,077	806,424	1,831,271	358,669	6,609,652	15,612,489	9,171,929	3,352,108	74,736	43,243,863		

TABLE 32
COMMERCIAL FISH LANDINGS IN THE SACRAMENTO REGION DURING 1945
Fishing Boat Landings From California Waters

TABLE 33
COMMERCIAL FISH LANDINGS IN THE SAN FRANCISCO REGION DURING 1945
Fishing Boat Landings From California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Anchoa.....	46	2,331	551	31	50	180	181	181	181	3,492
Cabessou.....	25	22	12	22	22	29	29	29	8,312
Catfish.....	10,155	10,155	10,155	64,253
Cultus, Pacific.....	11,357	4,302	1,292	8,578	18,057	7,165	12,579	15,634	9,527	17,302	18,282	15,238	189,784
Diamond, Sev... ^a	20	51,109	20,530	18,047	3,942	12	249	5,459	7,162	20,738	25,399	15,232	10,632
Hake, California.....	120	15,457	4,455	1,000	6,243	44	347	32	32	178	3,274	6,468	313
Hallibut, California.....	120	15,457	4,455	1,000	6,243	44	347	32	32	178	3,274	6,468	313
Hardhead.....	3,237	1,820	351	2,650
Herring, Pacific.....	147,461	30,355	100,550	23	2,331	355	691	205	800	729	20,000	30,000	8,088
Kingfish, Pacific.....	290	50	2,158	603	376	369	8,255
Mackerel, Pacific.....	190	2,017	1,750	3,768
Patch, California.....	5,269	6,134	27,885	36,945	40	2,030	122	1,784	2,506	3,087	2,763	2,618	1,264
Pompano, California.....	89	122	122	122	122	122	122	89
Rockfish.....	12,222	4,074	4,511	6,655	26,446	8,153	8,153	13,222	24,441	21,144	10,161	32,533	185,580
Salmon, Chinook.....	3,974	4,000	995	37,057	21,247	5,215	4,438	16,419	13,352	41,488	14,380	2,244	165,361
Salmon, Sockeye.....	4,568	53,630	86,472	50,043	12,399	11,200	11,200	38,835	50,318	38,835	20,000	19,000	2,431,954
Sardine, California.....	10,197,100	2,635,500	9,070	2,635,500	47,830	201,900	26,428,450	55,233,360	43,063,800	10,007,600	45,700	149,362,060	10,007,600
Sea-bass, White.....	1,331	737	281	973	37	13	13	85	85	14,060	3,100	13,517	34,435
Shad, California.....	29	29	29	29	29	29	29	175
Shark, California.....	41,069	13,572	5,185	3,832	13,538	69,901	87,245	62,164	38,913	26,715	32,435	39,068	39,068
Skate.....	5,710	5,220	3,340	6,250	771	128,330	71,235	20,281	10,454	6,306	3,108	5,479	1,713,564
Smelt, California.....	1,093	4,011	4,520	4,520	387,106	132,783	128,330	71,235	20,281	10,454	6,306	3,108	5,479
Sole.....	233,453	302,361	345,654	328,974	170,839	55,107	82,274	123,646	84,440	134,466	102,580	163,698	2,133,492
Tuna, Yellowfin.....	142	589	3,499	3,499	4,255
Tuna, Bluefin.....	1,039	1,039	1,039	1,039
Tuna, Yellowfin.....	61	4,770	4,449	11,475	865	11,485	865	832	4,440	3,022	1,165	4,157	5,022
Whiting.....	1,259	6,488	3,873	1,225	2,986	5,512	4,152	165	165	20	5,902	14,368	46,950
Miscellaneous Fish.....	1,229	375	1,893	1,313	399	145	145	550	577	70	25,503	584	39,125
Crustacean.....	323,303	162,510	180,196	215,368	229,509	176,975	155,433	56,645	56,645	857,619	555,631	2,914,474	382,147
Shrimp.....	15,107	11,501	8,650	10,574	27,523	38,833	62,193	78,061	34,716	40,183	25,580	29,024	390,310
Mollusk.....	4,738	2,750	51,421	49,641	17,080	98,769	104,766	52,025	8,250	52,025	52,025	52,025	13,667
Avalon.....	1,416	1,128	1,353	1,041	1,225	1,452	1,225	1,225	1,225	775	775	775	7,444
Oyster, Soft-shell.....	77	77	1,044	1,044	772	452	558	611	113	119	452	1,357	1,357
Oyster, Eastern.....	10,807	9,209	6,994	7,686	4,418	3,483	2,750	2,375	2,375	7,093	7,093	65,581	65,581
Oyster, Pacific.....	6,082	7,538	10,497	12,996	11,748	8,129	10,872	8,227	4,850	1,550	600	625	50,928
Grand totals, San Francisco Region.....	11,117,775	3,848,074	1,275,000	1,207,022	1,130,968	1,236,745	1,397,405	27,405,041	57,116,040	43,561,022	11,173,318	1,457,532	161,937,333

* As reported by buyers. However, field investigations indicate that almost all landings at San Francisco are northern halibut.

TABLE 33
COMMERCIAL FISH LANDINGS IN THE SAN FRANCISCO REGION DURING 1945
Fishing Boat Landings From California Waters

COMMERCIAL FISH CATCHES OF CALIFORNIA

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TABLE 34
COMMERCIAL FISH LANDINGS IN THE MONTEREY REGION DURING 1945
Fishing Boat Landings From California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds	
Anchovy.....			4,400		7,000				63,575	44,907	1,500		6,000	
Caboverde.....	21	66	107	115		331	22	13	20	20	39		127,747	
Cultus, Pacific.....	4,160	1,680	1,355	1,603	3,686	4,862	4,163	2,044	1,073	1,342	7,662	5,600	39,382	
Flounder, Starry.....	2,710	2,890	12,475	2,910	2,044	2,605	1,441	1,871	1,871	1,871	1,800	1,800	32,234	
Hake, Pacific.....	1,663	3,211	8,237	1,607	1,583	2,665	1,425	1,193	287	116	1,347	34,178	85,399	
Herring, Pacific.....														
Kingfish.....	10,255	20,025	24,400	5,657	8,050	42,888	18,011	25,400	28,504	12,083	6,155	24,173	250,787	
Mackerel, Jack.....	4,250		127	1,636	297	993	30	7,713	67,678	152,883	14,566	609	4,250	
Mackerel, Pacific.....	14,953	2,177	3,822	1,536	2,178	15,634	28,424	15,795	195,604	140,077	36,441	1,394	23,211	
Petrale, Pacific.....	4,850	2,311	15,644	1,621	1,621	1,621	1,621	1,621	1,621	1,621	1,621	1,621	9,274	
Pompano, California.....	33		4,682	1,731		452	339	110	136	1,225	38	187		
Rockfish.....	12,150	22,604	26,905	9,258	44	4,161	75,280	41,631	186,180	186,180	186,180	186,180	1,159,150	
Sablefish.....	19,520	20,948	20,622	13,862	429,344	310,437	189,079	562,613	331,568	133,499	20,123	54,565	2,427,334	
Salmon.....													810,203	
Sand Dab.....	2,717		5,181	4,446		175,222	503,861	115,739	5,709	14,772				
Sardine.....	31,973,568	6,227,097	388,310	231,587	1,820,887	3,507,299	1,700,220	73,929,142	97,973,319	76,611,890	19,455,500	3,169,169	316,980,468	
Sea-lion, White.....	187		35	123		332	183	1,223	20	15			2,116	
Shark.....	40,610	12,153	6,011	5,681	6,020	51,620	22,700	7,800	3,437	880	2,711	1,162		
Skate.....	2,153	2,609	5,243	8,764	1,322	1,363	539	175	462	38	1,261	3,712	27,444	
Smelt.....	4,783	82	105	368	357	4,823	34,400	52,573	65,413	52,684	14,400	2,933	22,933	
Sole.....	5,520	19,721	26,105	104,442	64,720	17,620	68,537	4,438	2,095	85	1,17	10,701	537,693	
Tuna, Albacore.....								56	2,368	365,808			368,229	
Turbot.....													3,055	
Wahoo, Fish.....					435	1,112	215	1,810			12	300	5,638	
Crustacean:														
Crab.....	27,004	12,655	7,164	3,329	1,242	351					2,128	3,064	57,838	
Shrimp.....					94						84	1,274	1,432	
Mollusk:														
Ahaba.....					3,000			41,500	33,844	10,110	46,634	23,775	167,872	
Calamari, Forno.....	568	245	426	521				228	288	48	23,48		2,246	
Octopus.....	71	192	360	326	263	729	260	58	103	93	24	287	2,995	
Squid.....	770				587,240	7,339,027	3,945,479	1,128,445	465,592	792,970	198,415	516,410	300,000	15,170,420
Grand totals:													339,586,555	
Monterey Region.....	33,359,220	6,375,028	508,228	1,326,920	10,249,006	8,128,857	3,225,510	75,676,591	99,764,302	77,335,043	20,296,419	3,667,723		

TABLE 34
COMMERCIAL FISH LANDINGS IN THE MONTEREY REGION DURING 1945
Fishing Boat Landings From California Waters

TABLE 35
COMMERCIAL FISH LANDINGS IN THE SANTA BARBARA REGION DURING 1945
Fishing Boat Landings From California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds	COMMERCIAL FISH CATCH OF CALIFORNIA
Barracuda.....	205	678	35	161	173	239	23	402	2,137	4,385	8,130
Catfish, Pacific.....	134	35	418	746	62,842	48,172	107,313	57,308	179	3,497	4,656
Flounder, Starry.....	450	29,152	39,152	84,560	122,275	63,061	746	282	107,313	57,308	73,426	84,339	79,745	926,451
Hake.....	82,608	105	105	105	105
Kingfish.....	1,446	1,446	1,446	1,446
Mackerel, Jack.....	1,022	1,022	1,022	1,022
Mackerel, Pacific.....	2,641	225	70	38	5,928	40,079	57,762	23,697	10,657	203	141,332
Perch.....	420	202	148	1,520	16,634	3,070	1,599	685	1,033	1,252	26,211
Pompano, California.....	174	174	174	174
Rock Bass.....	682	277	71	343	201	4,388	5,418	1,512	1,18	631	1,133	3,433	18,102	1,467
Rockfish.....	5,320	4,938	5,008	15,441	10,425	1,000	1,000	2,292	1,790	13,500	6,166	11,413	7,285	90,205
Salalash.....	142	1,208	35	1,208	35	1,208	1,208	1,208	1,208
Salmon.....	4,684	15,711	9,062	7,436	7,436	1,277	1,277	1,277	1,277	1,277	1,277	36,783
Sardine.....	1,277	1,277	1,277	1,277
Sailfish.....	1,343	1,017	124	105	266	151	151	218	218	218	218	218	218	3,752
Sea-lion, Black.....	70	84	171	1,010	43	43	218	218	218	218	218	218	218
Sea-lion, White.....	2,162	5,665	15,737	11,903	46,131	52,082	22,319	27,713	3,987	3,841	154,012	154,012	154,012
Shark.....	25,231	16,525	5,006	10,335	96,396	120,454	44,820	104,185	25,206	12,423	5,567	14,747	481,128	481,128
Sheepshead.....	21,616	10,855	11,076	14,749	9,345	9,345	9,345	1,870	2,565	5,605	992	992	9,664	11,284
Skate.....	180	180	180	180	180	180	180	180	180	180	180	180
Smelt.....	910	4,408	1,180	11,791	2,999	2,079	2,424	732	476	609	3	28	27,645	27,645
Sole.....	8,413	11,713	18,085	24,154	20,490	4,071	4,071	31,687	21,329	21,329	19,114	19,114	19,114	25,227
Swordfish, Broadbill.....	2,687	5,670	8,722	21,068	3,018	41,415	41,415
Tuna, Albacore*.....	188	188	21,169	183,553	116,548	109,545	133,941	7,345	720,435
Tuna, Bonito.....	21,169	183,553	116,548	109,545	133,941	20,518	20,518
Tuna, Skipjack.....	102	8	26,765	26,765	26,765	26,765	26,765	6,233
Tuna, Yellowfin.....	718	8,524	8,524	8,524	8,524	8,524	205
Turbot.....	4,040	2,765	2,566	3,743	4,866	7,247	5,676	5,676	5,676	5,676	5,676	5,676	5,676	25,227
Whitefish, Ocean.....	1,915	320	4,114	2,039	13,680	3,039	3,210	12,750	15,030	12,100	5,400	16,200	10,170	229,210
Mississippi Flounder.....	2,350	1,691	397	1,109	2,496	3,260	2,511	1,739	1,813	1,813	1,813	1,813	1,813	20,663
Total pounds.....	353,073	147,548	215,721	462,947	442,159	428,912	710,702	765,863	554,838	728,565	321,982	306,463	5,446,771	5,446,771

* Includes abalone delivered to barges off San Diego and Santa Catalina Island but reported at Santa Barbara although landed at other ports.

TABLE 35
COMMERCIAL FISH LANDINGS IN THE SANTA BARBARA REGION DURING 1945
Fishing Boat Landings From California Waters

TABLE 35—Continued
Fishing Boat Landings From Waters South of the International Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Halibut, California								11,257					11,257
Sea-bass, White								5,356					5,356
Swordfish, Broadbill										2,053	2,579		4,632
Total pounds								16,613		2,053	2,579		21,245
Grand totals, Santa Barbara Region	353,073	147,548	315,721	462,047	442,156	428,912	710,702	780,476	564,836	730,618	324,561	306,463	5,468,016

TABLE 35
COMMERCIAL FISH LANDINGS IN THE SANTA BARBARA REGION DURING 1945
Fishing Boat Landings From California Waters

TABLE 36
COMMERCIAL FISH LANDINGS IN THE LOS ANGELES REGION DURING 1945
Fishing Boat Landings From California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Anchovy	203,195	13,369	509	2,440	51,116	69,945	59,971	107,699	118,501	34,010	468,405	147,208	1,196,238
Barracuda	1,819	9,990	17,711	65,074	281,003	141,236	19,685	33,212	4,452	1,188	1,032		679,402
Carp	159	106	7,387	7,043	6,734	3,442	3,736	3,066					29,567
Cultus, Pacific	40				305	642	575	35		231		17	1,849
Frigate, Starry			40	76	2	1,476	468	26		19		43	35
Flying Fish					209								6,167
Halibut, California	49,229	54,763	47,058	83,071	45,132	58,679	19,304	1,560	1,005	24,484	28,040	55,590	470,935
Kingfish	9,830	8,245	39,192	37,570	26,459	31,085	9,237	10,343	8,448	9,403	13,240	4,941	207,982
Mackerel, Jack	11,882	212,444	4,141	1,414	15,174	17,100	10,200	2,000	8,000	2,000	2,000	3,800	5,109
Mackerel, Pacific	4,194,440	730,534	79,681	330,210	262,375	128,735	62,725	1,032,744	7,674,450	14,851,054	13,784,709	10,405,146	52,831,712
Mullet	33,316	7,900	19,944	23,504	22,042	11,039							116,745
Perch	629	944	4,926	10,373	650	382	1,207	4,527	5,037	3,317	1,851	1,453	35,206
Pompano, California	2,581	10,000	12,173	6,059	1,469	2,408	2,045	2,042	1,080	4,091	3,588	6,142	
Rock Bass	11,225	4,811	5,550	3,135	3,847	24,322	7,738	3,582	2,031	7,978	6,974	1,409	80,231

TABLE 36
COMMERCIAL FISH LANDINGS IN THE LOS ANGELES REGION DURING 1945
Fishing Boat Landings From California Waters

	3,294	1,110	1,101	3,706	12,809	10,462	278	1,118	3,301	9,770	2,255	10,189	59,453		
Solefish	45	312	340	285	1,171	232	84	1,412	575	334	1,428	6,496	6,496		
Sand Dab	1,002	951	1,382	1,322	515	694	151	109	66	49	49	6,027	6,027		
Saithe	43,248	21,710	15,553	12,644	14,933	88,180	92,811	4,403	48,413	89,137	109,507,888	100,079,810	60,603,908	337,489,607	
Sculpin	1,978	2,366	1,514	1,249	1,249	1,514	1,518	1,044	1,044	9,163	8,426	8,426	8,426		
Sea-lion, Black	1,978	65	570	17	104	1,518	709	2,602	277	424	1,678	197	8,161	8,161	
Seal, Harbor	3,655	5,611	311	4,434	26,745	2,411	16,861	12,558	1,819	33,071	1,572	105	99,455	99,455	
Sharks	18,915	8,244	9,713	33,439	70,745	163,685	163,685	63,089	46,089	33,071	1,572	25,235	55,477	55,477	
Sheepshead	4,234	2,533	4,648	1,660	3,310	14,522	1,940	5,173	3,745	6,724	6,410	2,335	56,257	56,257	
Sole	7,113	1,013	4,564	2,054	1,187	1,187	1,187	1,187	1,187	1,187	1,187	1,187	5,745	5,745	
Smelt	51,385	10,013	7,678	19,187	11,400	15,772	17,284	22,494	11,656	21,085	22,330	20,444	20,444	20,444	
Sole	1,570	1,530	951	979	280	1,856	218	12	27	284	58	258	8,163	8,163	
Sucker	—	—	—	—	—	—	—	—	—	—	—	—	1,292	1,292	
Swordfish, Broadbill	305	—	—	—	—	1,694	15,498	3,371	10,235	66,404	23,618	1,072	116,292	116,292	
Tuna, Albacore	—	—	—	—	—	—	—	3,855	2,248,500	303,110	2,094,455	155,002	31	5,325,574	5,325,574
Tuna, Bluefin	—	—	—	—	—	1,059,114	3,061,25	3,053,212	3,411,120	50,000	1,059,114	12,769,780	12,769,780	12,769,780	
Tuna, Bonito	206	343	1,864	2,845	2,845	372	397	410	16,096	103,465	40,631	1,367	223,019	223,019	
Tuna, Yellowfin	—	—	—	—	—	—	—	—	—	65,011	9,032	10	—	—	
Turbot	227	723	—	—	—	—	—	38	425	—	—	—	453	453	
Whitefish, Ocean	189	254	718	117	1	1,658	181	181	181	181	181	5	887	887	
Yellowtail	—	—	—	—	—	560	5,942	31	105	215	648	648	5,745	5,745	
Miscellaneous Fish	8,927	1,784	764	3,692	4,026	4,922	3,094	12,055	1,402	1,350	2,157	1,131	45,694	45,694	
Crustacean:															
Crayfish	200	1,422	2,105	2,505	1,504	3,250	200	250	715	24	18	—	12,188	12,188	
Lobster, Spiny	19,725	14,976	6,666	—	—	—	—	—	26	60,503	29,842	21,478	183,575	183,575	
Mollusk:															
Alacon	9,652	—	—	—	11,840	38,860	23,684	27,686	17,996	15,381	9,518	1,925	1,518	1,765	163,055
Cal. Cockle	—	—	—	—	—	—	—	812	—	—	—	—	—	—	1,067
Squid	—	—	—	—	12,470	425	1,290	3,655	—	666	—	7,910	25,710	51,960	51,960
Total pounds	49,066,922	22,838,031	29,245	708,727	2,542,788	3,918,278	6,388,019	5,210,767	9,130,011	127,836,617	118,312,532	75,440,009	421,689,866	421,689,866	

Fishing Boat Landings From Waters North of the State Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Tuna, Albacore	—	—	—	—	—	—	—	—	—	232,850	—	—	232,850
Total pounds	—	—	—	—	—	—	—	—	—	232,850	—	—	232,850

TABLE 36—Continued

Fishing Boat Landings From Waters South of the International Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds	DIVISION OF FISH AND GAME	
Barracuda.....	103,760	379,287	367,768	13,829	51,538	280	37,581	269,073	245,707	90,489	93,725	1,653,328	1,427	
Cobia.....	8,187	8,626	20,301	42,444	45,856	44,421	5,727	115	44,006	81,022	49,749	20,427	1,219	
Cortina, Mexican.....	1,219	750	3,144	6,046	1,701	16,655	37,404	5,022	
Grouper.....	7,419	170	1,569	273	80,000	17,988	1,000	1,000	1,000	1,000	2,332	
Hake, California.....	1,072	1,072	257	1,000	388	248	451	340	1,293	
Mackerel, Spanish.....	724	270	410	2,273	50	545	528	1,019	1,577	218	2,323	
Perch.....	4,175	687	1,505	6,798	1,293	
Rock Bass.....	216	216	
Rockfish.....	455	3,880	10,451	2,129	18,588	1,772	23	2,075	7,064	96,658	9,407	49,486	130,996	112,781	
Sea-bass, Black.....	60	87,755	24,809	454	1,932	2,298	
Sea-bass, White.....	150	244	372	1,185	1,185	
Sheepshead.....	1,932	
Swordfish, Broadbill.....	1,932	
Tuna, Albacore.....	4,763	145	89,188	1,028,491	206,792	25,383	1,525	1,353,316	1,353,316	
Tuna, Bonito.....	21,615	637,577	732,116	600,151	463,969	1,729,450	1,337,547	205,802	45	335	13,325	6,232,256	6,232,256	
Tuna, Bonito.....	118,347	18,820	320	88	1,389	1,458	1,389	1,389	1,389	400,495	97,606	13,020	1,414,593	1,414,593	
Tuna, Skipjack.....	54,302	73,631	17,969	1,153,178	2,061,226	1,046,667	433,150	831,453	1,457,467	1,181,066	531,576	317,020	9,158,678	9,158,678	
Tuna, Skipjack.....	39,200	690,960	805,291	4,280	8,048,226	7,946,342	4,576,684	1,210,503	745,962	184,430	2,102,945	1,111,200	32,479	5,322	5,322
Whitefish, Ocean.....	2,232	3,021	203	336	5,322	5,322	
Yellowtail.....	11,202	3,780	9,864	40,888	325,933	459,009	519,102	217,063	81,028	40,668	56,136	1,764,676	1,764,676	
Miscellaneous Fish.....	130	180	80	20	39	9	35	1,679	
Crustaceans.....	1,679	1,679	
Lobster, Spiny.....	13,838	
Mollusks.....	2,110	4,570	5,069	2,077	13,838	
Ashlock.....	13,838	
Total pounds.....	692,438	1,643,650	1,835,145	6,195,767	10,036,218	9,839,822	7,409,782	5,407,490	3,667,528	2,300,162	2,982,841	1,713,769	54,667,618	54,667,618	

TABLE 36
COMMERCIAL FISH LANDINGS IN THE LOS ANGELES REGION DURING 1945
Fishing Boat Landings From California Waters

TABLE 36—Continued
Shipments to Canneries From North of the State Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Tuna, Albacore.....										34,216		28,653	60,901
Total pounds.....										34,216		28,653	60,901

Shipments to Canneries From South of the International Boundary													
Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Tuna, Skipjack.....										74,459			74,459
Tuna, Yellowfin.....										765,597			975,063
Mollusk:													
Clam, Pismo.....	2,634,616	3,793,456	3,901,192	2,983,240	3,191,384	3,458,120	4,973,032	3,263,736	3,927,688	5,747,696	7,372,040	8,188,000	53,414,200
Total pounds.....	2,634,616	3,793,456	3,901,192	2,983,240	3,191,384	3,458,120	4,973,032	4,106,792	3,927,688	5,657,222	7,372,040	8,188,000	54,466,782
Grand total, Los Angeles Region.....	52,393,976	25,270,037	6,048,582	9,887,734	16,693,390	17,211,220	18,770,833	14,725,055	17,001,293	198,094,000	198,941,118	85,341,778	531,118,017

COMMERCIAL FISH CATCH OF CALIFORNIA

TABLE 36
COMMERCIAL FISH LANDINGS IN THE LOS ANGELES REGION DURING 1945
Fishing Boat Landings From California Waters

TABLE 37
COMMERCIAL FISH LANDINGS IN THE SAN DIEGO REGION DURING 1945
Fishing Boat Landings From California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds	Division	
Anchovy.....	2,012	407	46,813	445,496	541,382	26,415	100	738	80,045	3,680	8,218	962	100	
Barracuda.....	2,012	407	46,813	445,496	541,382	26,415	100	738	80,045	3,680	8,218	962	1,157,028	
Catfish, Pacific.....	443	420	32,446	26,062	1,061	3,242	4,674	50	7,002	15,533	35,477	16,452	145	145	
Herring, California.....	443	420	32,446	26,062	1,061	3,242	4,674	50	7,002	15,533	35,477	16,452	145	145	
Herring, Pacific.....	1	75	75	75	75	75	2,157	1,808	3,985	3,985	
Kingfish.....	534	534	1	1	1	1	55	77	189	363	363	
Mackerel, Pacific.....	3,400	1,245	60	12,101	70,057	124,637	3,374	12,010	15,415	10,794	29,684	3,074	288,434	288,434	
Mullet.....	57,474	11,559	31,491	10,569	49,569	20,601	6,939	157,046	157,046	157,046	
Pompano, California.....	270	270	270	
Rock Bass.....	499	1,070	177	107	28	1,441	9,884	1,913	646	1,560	3,047	1,655	22,221	22,221	
Rockfish.....	42	1,042	1,042	1,042	1,042	1,042	1,042	817	10,048	
Sardine.....	3,441,114	50,104	658,055	589,501	633,458	
Solepin.....	381	276	52	885	885	885	885	885	885	2,300	9,158	4,700	
Sea Bass, Black.....	74	392	203	411	411	2,048	2,048	
Sea Bass, White.....	12,059	24,383	22,807	3,672	1,533	392	203	12,147	9,656	88,802	88,802	
Shark, Shortfin.....	2,125	22	2,554	19,069	13,744	30,725	4,725	4,725	4,725	27,260	16,140	15,570	153,243	153,243	
Sheepshead.....	2,145	598	80	47	62	39,958	39,958	39,958	39,958	39,958	39,958	13,905	8,454	5,513	
Sole, Sable.....	63	89	183	155	155	155	155	155	155	203	697	697	
Swordfish, Broadbill.....	857	857	857	857	857	857	207	23	23	
Tuna, Albacore.....	75	1,027	69,646	30,188	204,172	46,496	30	2,000	2,000	2,000	
Tuna, Bonito.....	261	474,544	916,735	170,929	140	1,224	1,224	1,224	1,224	1,224	1,224	1,224	1,224
Tuna, Yellowfin.....	1,536	30,156	468	946	39,571	7,384	1,795	82,127	82,127	82,127	
Whitefish, Ocean.....	85	96	96	96	96	4,650	9,650	2,048	14,650	14,650	
Yellowtail, Ocean.....	38	2,754	1,350	370	151	151	48	130	70	778	778	778	
Miscellaneous Fish.....	354	354	456	456	456	456	4,831	11,633	1,290	439	22,403	
Crustacea:	24	183	42	603	
Lobster, Spiny.....	20,687	3,773	5,147	104,012	44,598	21,613	199,730	199,730	
Mollusk:	80	4,807	3,913	7,800	7,800	
Total pounds.....	3,533,424	75,084	63,532	141,383	1,093,014	1,702,788	1,267,751	605,365	497,755	1,059,509	817,877	735,259	11,682,741	11,682,741	

TABLE 37
COMMERCIAL FISH LANDINGS IN THE SAN DIEGO REGION DURING 1945
Fishing Boat Landings From California Waters

TABLE 37—Continued
Fishing Boat Landings from Waters South of the International Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Barracuda	5,986	6,656	12,259	120,406	18,372	8,627	2,893	140	46,194	155,059	77,484	62,904	476,329
Cabilla	5,239	10,231	5,678	673	11,415	32,153	93,863	—	362	286	14,485	23,019	222,721
Grouper	1,946	295	958	16,006	3,914	8,654	11,005	—	—	—	5,237	8,849	51,031
Hake	5,355	8,193	619	—	—	5,320	82	1,651	1,775	44,467	50,476	15,053	194,477
Mullet	—	—	77	—	—	—	—	—	—	—	—	—	77
Mackerel, Spanish	380	54	—	327	2,227	1,141	2,118	85	—	8,146	—	1,184	9,633
Pike	—	—	—	—	—	—	—	—	—	—	—	—	3,474
Red Snapper	316	885	735	5,036	—	9,386	5,875	1,174	5,705	1,367	—	5,945	31,725
Rockfish	—	—	3,932	—	—	9,715	63	8,963	3,023	4,780	9,006	610	35,051
Sailfish	—	—	205	—	197	250	—	—	495	—	—	—	1,739
Sea Bass, Black	1,566	2,011	9,371	11,788	1,182	36,606	18,551	586	5,529	8,882	32,725	45,838	172,919
Sea Bass, White	1,566	665	—	1,895	15,851	1,612	113	—	1,637	8,157	105	1,017	23,135
Shark	1,455	—	57	2,080	2,215	1,960	—	793	—	1,167	826	—	11,135
Snapper	5,397	6,233	31,445	14,088	5,946	1,625	2,511	—	—	2,441	864	1,118	59,930
Stingray	—	—	—	—	—	—	—	—	—	—	—	—	39
Swordfish, Broadbill	—	—	—	—	—	—	—	—	193	—	—	—	193
Tuna, Albacore	25,461	40,016	—	—	—	1,153	1,005,245	7,724,200	1,534,545	1,171,200	13,656	38	19,326,456
Tuna, Skipjack	11,404	9,625	—	—	—	132,965	1,545	21,589	14,172	28,430	—	—	22,227
Tuna, Yellowfin	21,054	46,579	7,229	30,510	23,395	860	1,784	25	79,179	279,043	265,114	140,547	926,573
Tuna, Skipjack	626,490	221,747	215,176	14,067	225,593	410,236	499,233	746,287	3,424,454	6,828,909	6,333,687	2,904,249	24,211,625
Tuna, Yellowfin	2,303	3,045	3,745	9,074	8,257	6,214,000	6,414,000	1,925,844	3,225,000	2,858,000	6,399,525	6,131,012	65,118,118
Whitefish, Gossa	1,137	4,388	3,282	2,067	2,248	—	1,785	—	804	711	115	1,017	23,338
Yellowtail	361,995	125,555	22,753	122,043	183,396	42,295	56,949	8,171	353,845	271,532	167,974	196,438	1,734,926
Miscellaneous Fish	—	—	—	—	—	—	243	109	515	—	—	—	79
Crustacean:													
Lobster, Spiny	106,076	66,961	942,419	36,830	—	—	—	—	—	35,700	57,476	212,753	791,694
Makulek:										252	778	816	—
Abalone	—	—	—	—	—	—	—	—	—	—	—	1,356	3,434
Total pounds	8,336,947	4,584,613	6,321,038	5,563,937	5,337,250	9,326,057	7,727,475	11,458,070	9,084,206	15,898,616	13,277,134	11,805,051	95,840,333

COURTESY OF THE CALIFORNIA STATE FISHERIES COMMISSION

TABLE 37
COMMERCIAL FISH LANDINGS IN THE SAN DIEGO REGION DURING 1945
Fishing Boat Landings From California Waters

TABLE 37—Continued
Shipments to Canneries From South of the International Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Tuna, Yellowfin.....	339,496	339,496
Total pounds.....	339,496	339,496
Grand totals, San Diego Region.....	6,870,271	4,429,494	4,385,007	3,725,320	6,630,244	10,961,845	9,005,227	12,164,244	9,561,955	14,398,621	11,195,012	12,544,320	105,871,620

TABLE 37
COMMERCIAL FISH LANDINGS IN THE SAN DIEGO REGION DURING 1945
Fishing Boat Landings From California Waters

TABLE 38
ORIGIN OF COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1946

Species	California	North of the State Boundary	South of the International Boundary	Total pounds
Anchovy	1,921,627			1,921,627
Barracuda	1,636,135		1,470,380	3,106,515
Cabezone	7,809			7,809
Cabrilla			261,689	261,689
Carp	235,311			235,311
Catfish	410,333			410,333
Catfish, Pacific	1,126,533	29,162		1,155,700
Eel	1,006			1,006
Flounder, Starry	509,032	410		509,448
Flying Fish	41,236			41,236
Grouper			157,764	157,764
Hake	530			530
Halibut, California ^a	1,718,397		781,907	2,500,304
Halibut, Northern	358,376			358,376
Hardhead	33,676			33,676
Herring, Pacific	481,776			481,776
Kingfish	437,023			437,023
Mackerel, Jack	15,063,261			15,063,261
Mackerel, Pacific	53,875,293			53,875,293
Mackerel, Spanish			6,390	6,390
Mullet ^b	84,335			84,335
Perch	192,366		260	192,626
Pike	123			123
Pompano, California	86,693			86,693
Rock Bass	147,278		60,234	207,512
Rockfish	10,473,910	646,288	53,128	11,173,326
Sablefish	2,626,318	32,814		2,659,132
Salmon	13,658,201			13,658,201
Sand Dab	678,437	635		679,072
Sardine	510,759,173			510,759,173
Sculpin	144,691		363	145,054
Sea Bass, Black	26,300		406,236	432,536
Sea Bass, White	471,221		144,272	615,921
Shad	1,221			71,121
Shark	1,577,716	1,803	25,828	1,605,347
Sheepshead	241,012		26,108	267,120
Skate	78,038			78,038
Smelt	793,091			793,091
Sole	10,296,815	271,788		10,568,603
Split-tail	2,869			2,869
Sucker	335			335
Swordfish, Broadbill	621,937		237,113	859,050
Tuna, Albacore	9,103,457	2,434	8,962,447	15,068,338
Tuna, Bluefin	15,529,229		6,502,519	22,031,748
Tuna, Bonito	582,853		5,942,100	5,687,953
Tuna, Skipjack	1,741,320		39,340,634	41,087,944
Tuna, Yellowfin	32,653		127,314,022	127,346,675
Turbot	48,091	1,710		49,801
Whitebait	344,107			344,107
Whiting, Ocean	29,570		27,701	57,271
Yellowtail	31,285		4,530,298	4,561,533
Miscellaneous Fish	171,753	230	4,017	176,000
Crustacean:				
Crab	9,644,405			9,644,405
Lobster, Spiny	691,814		1,225,767	1,917,581
Shrimp	437,320			437,320
Mollusk:				
Ahalone	2,095,762			2,095,762
Clam, Pismo	69,177		11,405,496	11,477,673
Clam, Soft-shell	22,239			22,239
Clam, Washington	20,341			20,341
Mussel	639			639
Octopus	37,931			37,931
Oyster, Eastern	84,603			84,603
Oyster, Pacific	88,006			88,006
Squid	38,024,528			38,024,528
Total pounds	710,456,290	987,280	207,890,573	919,334,143

This table includes actual landings at California ports by the commercial fishing fleet as well as shipments from other states and foreign countries by truck, rail and ocean liner to California canneries and to the fresh fish dealers. For detail see page 38.

^a See footnote a, Table 39.

^b Includes part but not all of the poundage of mullet taken in the Salton Sea.

TABLE 38
ORIGIN OF COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1946

TABLE 39

POUNDS AND VALUE OF COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1946

Species	Eureka Region		Sacramento Region		San Francisco Region		Monterey Region		DIVISION OF FISH CATCH
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	
Anchovy.....					263,776	\$8,457	245,066	\$3,952	
Barracuda.....					2,882	47	5,004	107	
Catfish.....					103,275	\$5,497	71,941	5,140	57,750
Carp.....					1,000	537	5,201	1,011	
Catfish, Channel.....					1,000	537	199,067	15,932	31,384
Cultus, Pacific.....	912,582	\$84,658							2,410
Dab.....									
Flounder, Starry.....	247,526	8,870			210,887	6,432	40,391	2,673	
Flying Fish.....									
Grouper.....									
Hake.....	830	135							
Hake, California.....									
Halibut, Northern.....	355,557	71,106			49,973	6,507	309,665	31,456	
Hardhead.....					30,434	4,039	9,151	1,151	
Herring, Pacific.....	17,450	384	3,242	973	48,441	6,721	5,086	1,257	
Kingfish.....					8,113	1,076	374	281,695	14,835
Mackerel, Jack.....								7,161,095	152,630
Mackerel, Spanish.....								1,000,075	40,555
Mullet.....									
Pomfret.....									
Pike.....	40,734	4,467	123	11	72,428	11,105	25,018	1,897	
Pompano, California.....					462	216	44,056	14,538	
Rock Bass.....									
Rockfish.....	9,476,882	429,365			221,123	12,630	1,119,966	83,634	
Salmon.....	5,211,000	289,000	1,000	100	1,000	100	1,000	100	
Salmon.....	4,544,037	954,347	6,463,345	921,304	2,079,449	300,297	569,350	108,175	
Sardine.....	374,237	15,317			252,000	11,387	37,997	3,602	
Sardine.....					305,000	9,150	6,000,124	130,124	71,241
Solepines.....									1,152,545
Sea-bass, Black.....									
Sea-bass, White.....	13,933	2,260			20,157	3,903	53,112	10,831	
Shad.....					771,231	39,199			
Shark.....	242,589	200,745			246,768	884,173	124,866	10,909	
Sheepshead.....									

COMMERCIAL FISH CATCH OF CALIFORNIA

Slate	3,932	56		31,125	365	25,669	573
Smelt	48,620			462,210	29,889	54,753	6,589
Sole	7,761,222	309,239		2,869	228	114,450	218,268
Split-tail				2,353,188			11,882
Sukade							
Swordfish, Broadbill							
Tuna, Albacore	61,346	12,378		10,977	2,247	249,610	31,167
Tuna, Bonito							
Tuna, Skipjack							
Tuna, Yellowtail							
Turbot	14,088	856		33,894	1,468	1,911	73
Whiting	278,531	2,000		65,701	5,041	103	16
Whitefish, Ocean							
Yellowtail							
Mixed Fish	76,468	4,462	35	6	19,135	776	41
Total pounds and value	32,392,178	\$3,129,059	\$8,050,966	\$1,082,331	17,990,225	\$2,295,943	123,111,509
							\$3,000,484

^a As reported by buyers. However, field investigations indicate that almost all landings at San Francisco are northern halibut.^b For regions north of Santa Barbara crab landings are market crab, in Santa Barbara Region both market and rock crab, in Los Angeles Region rock crab.

TABLE 39—Cont'd.

TABLE 39—Continued
POUNDS AND VALUE OF COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1946

Species	Santa Barbara Region		Los Angeles Region		San Diego Region		Total		DIVISION OF FISH AND GAME
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	
Anchovy.....	4,958	\$446	1,494,345	\$59,355	415	\$18	1,221,627	\$42,639	
Barracuda.....	3,724	533	1,787,546	245,925	1,315,245	156,028	3,106,515	399,459	
Cabrona.....			155,851	10,251	147,801	15,721	7,809	234	
Carp.....			2,345	281			51,241	32,555	
Catfish.....			1,981	97	2,025	204	233,311	11,898	
Cuttle, Pacific.....	8,652	265					410,333	108,334	
Dol.....	866	36					1,156,422	168,492	
Flounder, Starry.....			1,644	117			8,648	2,212	
Flying Fish.....			41,298	3,810	2,479	2,040	41,298	3,133	
Grouper.....			45,303	6,050	112,461	11,966	157,764	18,035	
Hake.....							1,160,422	145	
Haddock, California.....	467,268	87,311	1,047,282	187,748	695,591	150,288	2,500,304	432,310	
Haddock, Northern.....							258,376	71,451	
Haddock.....							53,753	7,044	
Herring, Pacific.....	9,020	360	133,401	7,006	710	23	481,776	9,328	
Kingfish.....			7,006	4,794			431	431	
Mackerel, Jack.....			7,006	175			431,023	22,949	
Mackerel, Pacific.....	10,132	602	51,702,719	1,376,254	230,364	11,741	15,020,233	327,533	
Mackerel, Spanish.....			3,418	260	2,479	19	53,875,263	1,431,462	
Mullet.....			4,612	325	76,723	8,162	84,335	8,453	
Perch.....	6,731	600	49,310	7,315	410	19	192,626	25,401	
Pike.....							121	11	
Pompano, California.....	100	31	41,941	6,601	104	17	86,693	21,693	
Rock Bass.....	22,240	2,985	94,881	15,601	90,337	207,512	27,474		
Rockfish.....	107,244	1,254	15,431	1,054	71,070	5,671	11,272	532,525	
Sablefish.....			14,915	1,401			2,650,132	235,543	
Salmon.....	2,120	407					13,840,200	2,714,509	
Sardine.....			15	13,880	2,102		678,072	32,513	
Sardine.....	178	6	423,992,067	5,393,340	8,623,425	153,928	\$10,750,173	9,853,034	
Solefish.....	1,629	61	232,398	40,218	197,869	28,000	432,536	68,534	
Sea-bass, Black.....	2,268	291	232,369	33,548	164,441	31,368	711,251	117,447	
Sea-bass, White.....	206,899	35,837	157,359				303,919		
Shad.....									
Shark.....	310,106	235,344	624,356	279,245	156,640	10,450	1,665,347	1,614,873	
Sheepshead.....	81,433	5,972	145,319	12,170	42,968	3,226	267,120	21,368	

TABLE 39
POUNDS AND VALUE OF COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1946

	288	17	17,351	978		78,038	1,989
Skate.....	9,113	707	10,675	6,320		793,091	57,490
Sole.....	220,941	145	6,939	46	318	562,113	228
Split-tail.....			355	69	62	2,869	
Sucker.....						335	60
Seawolfish, Broadbill.....	444,770	44,387	357,449	111,603	356,883	133,118	850,160
Tuna, Albacore.....	91,912	18,312	6,014,470	1,378,911	10,740,023	2,124,583	18,068,338
Tuna, Bonito.....	19,402	1,842	30,455,010	3,178,911	1,614,877	185,476	22,435,745
Tuna, Skipjack.....	5,744	10	3,425,000	311,451	2,016,450	22,625	3,635,044
Tuna, Yellowfin.....	123	13	10,094,462	1,608,394	24,993,409	2,074,553	41,087,994
Turbot.....	507		45,151,724	4,611,184	54,094,376	9,819,814	127,722
Turbot.....		57				49,801	2,337
Whitebait.....						944,107	30,312
Whiting, Ocean.....	6,670	304	33,073	5,201	16,638	1,660	57,154
Yellowtail.....			2,434,359	195,148	2,127,224	179,164	4,561,583
Miscellaneous Fish.....	31,173	2,734	45,650	4,297	3,012	281	176,000
Total pounds and value.....	3,918,557	\$733,990	593,113,985	\$18,662,381	141,056,723	\$16,433,078	919,334,143
							\$45,346,306

This table includes actual landings at California ports by the commercial fishing fleet as well as shipments from other states and foreign countries by truck, rail and ocean liner to California canneries and to the fresh fish dealers. For detail see page 38.

TABLE 39—Cont'd.

TABLE 40
MONTHLY COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1946

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds	DIVISION OF FISH AND GAME
Anchovy.....	111,332	33,915	10,876	66,432	127,450	55,442	104,494	106,411	320,485	305,49	257,359	422,010	1,921,627	
Barnacles.....	\$2,640	164,968	318,698	205,791	366,203	623,118	224,796	299,613	160,477	177,107	116,949	11,180	3,105,515	
Cabilla.....	10	10	10	10	10	10	10	10	10	10	10	10	10	
Cabrilla.....	3,533	55,608	60,714	25,962	13,216	20,639	831	-----	6,217	4,441	31,885	38,823	261,689	
Carp.....	5,299	21,739	17,681	35,944	26,422	9,216	5,264	1,163	30,922	31,129	3,222	3,311	3,222,311	
Catfish.....	24,242	23,482	27,417	27,417	27,417	27,417	27,417	27,417	27,417	27,417	27,417	27,417	410,233	
Cuttle, Pacific.....	39,427	51,349	30,072	99,925	131,831	125,675	148,909	137,966	171,288	112,154	24,573	92,932	1,155,700	
Eel.....	37,153	8,747	36,549	58,075	16,265	19,791	26,058	35,860	54,591	65,021	15,995	60,230	509,448	
Flounder, Starry.....	-----	-----	-----	2,533	8,855	3,791	10,565	15,007	5,690	5,690	5,690	5,690	41,258	
Flying Fish.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	5	452	57	530	
Grouper.....	12,568	12,879	20,630	12,568	12,568	12,568	12,568	12,568	12,568	12,568	12,568	12,568	157,744	
Hake.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
Halibut, California*.....	355,255	392,151	305,152	201,051	91,351	156,625	175,263	170,017	65,888	178,668	183,154	199,768	2,600,416	
Hhalibut, Rock.....	1,656	68	1,883	1,047	30,032	54,540	124,263	165,921	9,033	7,668	13,133	705	358,378	
Hardhead.....	5,051	7,624	11,229	5,837	895	-----	16	1,013	1,886	943	33,678	943	33,678	
Herring, Pacific.....	36,000	50,321	50,321	50,321	50,321	50,321	50,321	50,321	50,321	50,321	50,321	50,321	50,321	
Kingfish.....	35,546	28,443	31,363	32,267	20,495	86,578	63,729	29,943	45,769	31,983	24,728	14,995	43,023	
Mackerel, Jack.....	828,425	777,310	29,214	14,590	10,053	66,094	5,528	56,918	1,407,102	628,674	1,489,593	9,776,755	15,093,261	
Mackerel, King.....	2,096,770	672,400	250,520	152,970	41,297	28,052	15,024	27,770	37,000	84,942	10,050,755	17,094,901	55,032,293	
Mackerel, Spanish.....	284	-----	-----	-----	-----	-----	-----	-----	-----	901	432	2,499	1,794	6,399
Mullet.....	11,467	19,192	18,814	8,834	17	4,801	1,205	12,852	8,684	8,885	3,217	17,254	84,353	
Percula, Yellowtail.....	12	12	12	12	12	12	12	12	12	12	12	12	12	
Pike.....	-----	-----	40	47	1,309	2,542	8,033	6,616	5,632	16,555	3,939	10,172	85,698	
Pompano, California.....	7,254	5,848	5,848	4,424	1,309	1,309	1,309	1,309	1,309	1,309	1,309	1,309	1,309	
Rock Bass.....	5,405	19,380	11,671	6,692	10,102	35,126	27,777	20,031	12,090	23,034	17,124	15,950	207,512	
Rockfish.....	498,075	1,046,332	668,945	1,102,897	1,599,025	1,009,325	973,085	1,019,745	1,229,397	1,064,177	255,783	704,059	11,173,236	
Sahalee.....	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	
Salmon.....	6,634	96,271	208,079	1,477,795	2,490,932	940,263	2,023,292	2,035,437	4,320,790	29,840	1,166	1,704	13,658,201	
Sand Dab.....	67,396	63,384	62,398	76,398	58,113	39,273	53,823	33,384	58,474	51,716	75,182	67,072	1,000,000	
Sardine.....	69,411	18,265	10,041	6,020	6,020	78,700	1,049,200	1,049,200	12,584,200	24,067,783	184,910,118	99,040,441	97,200,173	510,145,273
Scallop.....	11,288	16,929	16,771	33,306	14,152	1,306	18,084	12,813	2,208	5,363	2,413	8,515	145,054	
Scomber, Sardine.....	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Sebastodes, Black.....	10,000	27,57	21,080	14,275	31,595	47,340	98,752	140,983	92,634	72,013	23,029	18,598	615,021	
Sea-lop, White.....	10,002	27,57	21,080	14,275	31,595	47,340	98,752	140,983	92,634	72,013	23,029	18,598	615,021	
Shad.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	771,231	
Shark.....	240,654	47,945	47,945	18,071	17,681	10,098	152,771	161,141	101,211	101,211	101,211	101,211	1,043,247	
Sheepshead.....	39,559	32,444	17,567	12,911	8,835	4,266	4,839	4,834	11,691	40,275	39,411	64,108	267,120	

TABLE 40
MONTHLY COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1946

COMMERCIAL FISH
CALIFORNIA

Skate.....	12,041	9,658	8,639	7,509	3,969	786	707	1,459	2,446	6,581	8,622	15,684	78,038
Sole.....	45,812	165,566	109,507	113,169	37,008	75,424	48,924	42,009	43,185	52,610	36,527	163,736	793,011
Sole, California.....	582,412	590,605	476,145	512,145	1,023,456	1,205,677	1,416,598	638,000	1,302,145	1,228,000	259,533	983,157	10,33,603
Split-tail.....	464	215	105	45	384	—	—	—	—	634	964	17	40
Surfperch.....	—	—	—	—	—	—	—	—	—	—	—	—	—
Swordfish, Broadbill.....	—	—	—	—	—	—	—	4,520	45,631	253,071	297,033	206,445	25,245
Tuna, Albacore.....	—	—	—	—	—	—	—	424,082	8,104,357	7,021,380	1,394,579	1,025,371	64,981
Tuna, Bonito.....	643,302	704,632	467,533	495,744	4,101,016	6,000,000	8,104,357	1,394,579	1,025,371	64,981	885	18,008,333	1,025,371
Tuna, Bonito.....	78,851	99,537	50,569	10,209	18,228	43,370	15,104	1,330,501	1,623,690	782,579	591,001	982,123	5,625,533
Tuna, Skipjack.....	446,050	536,531	346,651	2,935,679	2,021,057	4,265,359	5,032,204	5,790,575	9,698,500	8,869,726	1,311,340	2,350,769	41,087,944
Tuna, Skipjack.....	6,080,000	4,900,000	6,850,000	12,000,000	15,771,000	26,100,000	11,830,000	8,914,000	7,040,000	17,000,000	17,000,000	127,000,000	4,000,000
Turbot.....	4,716	1,709	5,349	8,092	1,312	3,055	427	4,681	1,209	6,637	1,574	10,053	49,801
Whiting.....	61,981	36,774	34,375	70,769	30,578	39,578	26,211	8,500	1,133	1,089	8,525	10,000	344,107
Whitefish, Ocean.....	6,678	11,506	10,609	10,462	—	—	—	—	—	—	—	—	3,590
Yellowtail.....	130,854	1,023,890	262,008	401,272	205,762	435,646	554,571	712,533	184,382	367,744	172,680	167,236	4,561,585
Miscellaneous Fish.....	14,359	5,224	31,290	12,939	12,000	9,502	21,234	11,069	16,588	17,668	12,538	10,553	176,083
Total pounds.....	86,420,921	32,545,510	13,927,556	28,150,508	42,415,700	53,070,778	50,591,138	45,127,456	70,161,842	215,590,829	125,842,227	151,887,953	919,334,143

This table includes actual landings at California ports by the commercial fishing fleet as well as shipments from other states and foreign countries by truck, rail and ocean liner to California cannery and to the fresh fish dealers. For detail see page 38.

* See footnote a. Table 39.

TABLE 40—Cont'd.

Crustacean:	—	—	—	—	—	—	—	—	—	—	—	—	—	
Crab, Dungeness.....	695,853	738,168	847,858	1,783,248	1,898,024	905,376	688,885	317,747	3,125	5,532	920,311	912,427	9,644,405	
Lobster, Spiny.....	232,423	178,201	269,501	9,425	—	—	—	—	—	—	277,288	429,721	520,722	
Shrimp.....	24,504	28,154	46,410	40,043	31,027	36,454	39,265	49,357	68,238	22,585	17,961	36,234	437,320	
Mollusk:	—	—	—	—										
Alewife.....	63,244	—	101,636	199,147	408,307	89,160	358,164	244,900	214,310	191,003	33,907	191,479	2,005,762	
Clam, Pismo.....	1,002,673	1,364,146	808,517	39,564	193,381	1,332,421	2,547,229	1,408,798	453,010	501,093	631,562	622,055	11,477,673	
Clam, Soft-shelled.....	803	1,074	1,650	2,142	2,011	1,688	2,145	2,749	2,121	2,634	1,817	1,476	22,238	
Clam, Soft-shelled.....	2,746	1,049	1,587	945	1,111	—	—	—	—	1,098	1,149	1,149	20,614	
Mussel.....	—	—	—	—	—	—	—	—	—	82	352	235	638	
Octopus.....	2,346	2,722	2,252	4,177	4,416	5,031	5,558	2,585	2,322	1,762	3,355	3,794	37,951	
Oyster, Eastern.....	3,820	2,935	8,855	7,447	1,473	5,269	5,269	5,150	3,000	3,724	9,344	84,463	1,025,400	
Oyster, Pacific.....	9,075	7,935	8,250	7,065	10,778	8,115	8,776	8,393	10,020	2,520	3,135	3,645	88,006	
Squid.....	775	15,700	—	—	3,397,409	11,141,892	10,833,908	7,346,496	1,581,720	973,570	1,54,578	764,911	426,404	38,024,525
Total pounds.....	86,420,921	32,545,510	13,927,556	28,150,508	42,415,700	53,070,778	50,591,138	45,127,456	70,161,842	215,590,829	125,842,227	151,887,953	919,334,143	

TABLE 41
COMMERCIAL FISH LANDINGS IN THE EUREKA REGION DURING 1946
Fishing Boat Landings From California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds	DIVISION OF FISH AND GAME
Culter, Pacific.....	14,601	36,078	15,560	74,022	65,796	115,595	143,169	111,617	130,545	81,003	7,873	57,400	883,420	
Flounder, Starry.....	1,782	21,019	3,562	35,646	13,628	15,932	21,467	30,144	31,268	42,344	1,354	28,509	247,110	
Hake.....	7	1,040	
Halibut, Northern.....	650	63	613	498	84,858	84,840	124,263	46,921	9,033	2,650	133	705	355,557	
Herring.....	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	18,000	216,000	
Percich.....	3,075	4,695	11,711	14,765	1,735	2,545	420	281	1,250	40,734	40,734	
Rockfish.....	330,590	821,561	464,955	980,366	1,204,069	905,388	925,702	876,453	1,022,945	678,817	101,551	612,637	8,830,594	
Sahale.....	30,608	32,024	55,354	55,354	37,000	37,000	37,000	37,000	37,000	37,000	37,000	36,556	508,224	
Salmon.....	161,749	77,141	558,904	1,424,532	1,159,570	438,301	29,840	4,544,037	
Sand Dab.....	24,149	28,350	22,737	51,461	36,000	25,119	40,528	29,892	32,879	35,010	12,925	34,417	373,602	
Seabass, White.....	121	130	1,533	1,533	2,119	2,119	2,119	2,119	2,119	2,119	2,119	2,119	19,365	
Shark, White.....	154,846	2,326	322	68	160	2,490	3,615	3,655	10,552	14,089	5,534	43,811	240,783	
Skate.....	110	98,502	
Squid.....	4,081	11,507	19,754	2,469	15,150	15,761	17,694	5,529	4,054	37,602	
Sole.....	163,428	263,514	218,664	535,787	797,847	1,084,717	1,205,279	560,586	1,067,751	891,655	55,684	529,812	7,489,734	
Tuna, Albacore.....	609	254	955	1,068	1,007	3,555	427	3,701	87	140	165	12,376	
Turbot.....	23,677	21,764	53,320	69,971	35,740	39,417	24,904	8,524	1,123	111	275,251	
Miscellaneous Fish.....	10,270	574	26,520	393	1,942	4,620	5,510	8,206	2,905	1,395	7,254	3,476	76,305	
Crustacean:														
Crab.....	130,256	248,784	608,875	1,582,431	1,724,971	721,805	532,933	224,681	45	690	48,927	5,822,398	
Mollusk:														
Clam, Washington.....	2,740	3,016	1,373	9,916	490	423	20,341	
Octopus.....	707	1,338	692	1,781	2,088	3,414	4,090	2,425	1,172	897	184	1,524	20,212	
Squid.....	198	198	
Total pounds.....	885,820	1,504,579	1,490,145	3,631,007	5,013,287	3,898,497	4,059,400	3,398,515	3,074,799	2,034,004	260,691	1,314,364	31,404,598	

TABLE 41
COMMERCIAL FISH LANDINGS IN THE EUREKA REGION DURING 1946
Fishing Boat Landings From California Waters

TABLE 41—Continued
Fishing Boat Landings From Waters North of the State Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Calico, Pacific	853	1,969	5,553	896	747	14,304	4,396	469	29,162	4,396
Flounder, Starry	363	216,637	17,576	19,696	83,956	144,105	51	4,475	646,288
Rockfish	4,500	55,312	104,032	1,767	3,647	3,180	6,194	12,104	5,522	32,814	1,500
Sablefish
Saint Peter
Shark	49	18	39	87	842	285	453	1,803
Sole	2,949	1,970	119,237	12,676	18,320	49,071	31,419	5,662	27,121	2,494
Tuna, Albacore	2,454	1,710	1,710	250
Turbot	20	20
Miscellaneous Fish	150	10
Total pounds	4,500	59,708	107,999	342,658	34,759	44,051	154,370	194,060	44,245	987,280
Grand totals, Eureka Region	890,320	1,564,087	1,568,144	3,631,007	5,355,945	3,903,236	4,059,400	3,443,466	3,229,159	2,228,064	260,691	1,358,609	32,392,178

TABLE 41
COMMERCIAL FISH LANDINGS IN THE EUREKA REGION DURING 1946
Fishing Boat Landings From California Waters

TABLE 42
COMMERCIAL FISH LANDINGS IN THE SACRAMENTO REGION DURING 1946
Fishing Boat Landings From California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds	DIVISION OF FISH AND GAME
Carp.....	2,028	1,713	5,130	17,559	8,927	2,637	544	30,562	20,547	9,937	3,001	103,275	
Catfish.....	42,032	25,142	27,220	37,451	4,497	30,983	86,001	95,540	57,074	401,946		
Herring.....	1,000	1,296	943	21	3,232		
Pike.....	12	49	47	8	123		
Salmon.....	6,634	66,271	208,076	666,511	1,157,111	132,114	457,025	3,673,656	1,166	1,704	6,463,245	
Sardine.....	500,000	500,000	
Shad.....	37,485	244,841	457,806	1,066	634	984	17	40	771,231	
Split-Headed Fish.....	464	215	105	46	384	2,369	
Miscellaneous Fish.....	35	
Grand totals, Sacramento Region.....	54,158	121,553	275,055	966,755	1,688,725	135,847	488,200	3,738,450	107,581	105,969	367,533	8,030,566	

TABLE 42
COMMERCIAL FISH LANDINGS IN THE SACRAMENTO REGION DURING 1946
Fishing Boat Landings From California Waters

TABLE 43
COMMERCIAL FISH LANDINGS IN THE SAN FRANCISCO REGION DURING 1946
Fishing Boat Landings From California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Anchova.....	97	270	133	13,276	81,650	38,615	27,200	37,475	32,450	31,810	1,200	50	263,776
Cabaneon.....	1,129	923	40	44	70	50	50	50	50	2,805
Carp.....	3,271	20,490	12,551	18,787	10,955	5,897	1,021	1,041	1,041	11,941
Catfish.....	684	3,931	3,662	80	80	80	8,387
Cuttle, Pacific.....	12,946	12,329	11,765	21,962	26,682	7,820	3,964	17,889	24,730	25,385	10,844	23,690	199,967
Founder, Starry.....	2,016	4,500	27,100	24,000	1,000	2,000	2,000	2,000	2,000	24,720	11,200	12,000	21,000
Haddock, Northern.....	13,439	2,143	7,470	2,567	551	441	314	425	204	1,817	1,450	18,453	49,073
Hake, Northern.....	708	1,372	549	174	18	18	18	18	2,819
Haddock, Southern.....	9,611	1,694	1,182	6,527	40,024
Herring, Pacific.....	298,415	81,514	1,820	70	3,635	50	4,146	65,577	458,447	1,000
Kingfish.....	55	20	38	38	135	3,418	2,107	2,107	2,107	312	117	4,023	72,426
Pompano, California.....	6,584	2,450	22,815	19,846	31,10	3,447	3,215	4,532	4,532	830	4,023	4,023	21,492
Pompano, California.....	32,454	22,301	31,10	24,655	31,486	4,444	4,386	5,880	5,880	10,783	6,250	6,250	21,123
Sabrefish.....	5,288	10,806	7,197	31,620	23,578	14,365	3,325	1,239	1,239	1,798	345	63	89,637
Salmon.....	494,740	342,005	170,622	820,109	403,052	208,533	208,533	15,460	40,101	40,101	2,079,440
Sail Fish.....	54,827	14,070	34,972	2,315	41,423	24,900	350	215,150	215,150	789,000	33,281	15,600	1,250,560
Sardine.....	1,070,680	86	3,952,320	6,096,124
Sea-bass, White.....	6,711	155	1,114	1,114	19,912	47,856	24,008	25,172	25,172	5,739	4,861	3,944	20,157
Shark, Shortfin.....	3,670	2,720	2,720	2,720	19,400	2,700	2,700	2,700	2,700	11,000	30,200	24,750	1,000
Skate.....	2,125	1,263	4,190	2,125	2,125	2,125	2,125	2,125	2,125	2,125	2,125	2,125	11,844
Smelt.....	15,937	150,040	66,000	53,400	29,500	40,000	8,760	8,760	8,760	8,760	8,760	8,760	31,128
Sole.....	34,634	25,620	215,141	215,141	68,908	78,920	83,071	85,235	168,155	281,710	145,457	397,077	2,355,188
Tuna, Albacore.....	4,165	1,455	4,884	6,244	300	362	89	667	36	1,179	12	8,810	10,977
Turbot.....	27,931	15,010	935	785	3,993	515	117	1,574	8,868	8,868	53,494
Whitetail.....	768	249	500	7,934	3,993	515	117	978	8,326	8,326	65,751
Miscellaneous Fish.....	600	525	600	600	600	600	600	600	600	964	1,369	2,167	19,135
Crustacean:	1,000
Crab.....	557,522	482,270	237,494	168,261	140,405	141,409	154,326	89,267	89,267	4,622	586,443	854,720	3,748,144
Shrimp.....	24,350	24,146	45,170	39,341	31,027	39,080	39,123	49,351	49,351	22,037	17,262	39,003	432,145
Mollusk:	1,000
Absalone.....	805	1,074	1,696	2,142	2,031	1,655	2,145	2,746	2,746	2,121	2,534	1,817	1,475
Clam, Soft-shell.....	1,344	1,955	4,055	1,344	1,344	1,344	1,344	1,344	1,344	1,344	1,344	1,344	22,520
Oyster, Eastern.....	8,295	7,055	5,885	7,447	7,178	5,239	5,239	5,159	5,159	3,005	5,374	6,344	11,452
Oyster, Pacific.....	600	525	600	600	600	600	600	600	600	600	600	600	1,725
Grand totals, San Francisco Region.....	1,463,795	2,248,317	787,665	1,184,586	879,327	658,488	899,044	977,675	1,412,763	503,129	1,154,448	5,520,588	17,890,225

* As reported by buyers. However, field investigations indicate that almost all landings at San Francisco are northern halibut.

TABLE 43
COMMERCIAL FISH LANDINGS IN THE SAN FRANCISCO REGION DURING 1946
Fishing Boat Landings From California Waters

TABLE 44
COMMERCIAL FISH LANDINGS IN THE MONTEREY REGION DURING 1946
Fishing Boat Landings From California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds	
Anchovy.....	25,030	-----	-----	-----	2,800	1,270	770	95,000	119,736	2,000	1,690	248,906		
Cabazon.....	1,713	840	373	821	401	40	75	-----	22	50	1,130	5,994		
Carp.....	-----	-----	-----	-----	57,720	-----	-----	-----	-----	1,066	4,068	6,563	31,384	
Cuttle, Pacific.....	494	1,798	523	3,317	3,142	734	1,715	6,684	1,289	1,066	4,068	6,563	31,384	
Flounder, Starry.....	154	174	164	2,544	3,031	1,547	1,715	1,684	1,289	1,066	4,068	6,563	31,384	
Hake.....	21,601	20,883	18,455	24,693	6,469	32,389	22,406	13,573	6,209	1,580	3,471	41,179	209,665	
Herring, Pacific.....	-----	-----	-----	-----	493	1,200	2,220	1,169	-----	-----	-----	5,059		
Kingfish.....	15,615	12,078	1,656	4,673	9,810	9,610	9,250	62,500	30,726	30,214	22,271	11,065	8,538	
Mackerel, Jack.....	15,967	1,165	17,096	10,810	8,372	6,802	865	12,465	32,513	98,746	6,661,176	7,161,638		
Mackerel, Pacific.....	18,310	245	445	1,135	1,135	28,012	24,147	18,454	1,179,571	160,721	1,066	4,068	6,563	1,066,978
Petrale, Sardine.....	130	534	456	1,727	1,109	-----	46	377	2,050	354	1,298	2,310		
Pompano, California.....	345	545	-----	3,811	3,924	4,030	2,365	2,936	4,365	3,302	15,881	462	151	44,056
Rockfish.....	7,259	91,274	26,100	40,420	60,600	61,000	10,100	10,100	89,920	13,855	13,855	133,990		
Sabalo.....	61,339	49,555	51,216	68,310	49,139	54,568	64,635	54,635	8,315	20,767	24,894	20,741	833,832	
Salmon.....	-----	-----	213,613	186,785	78,508	78,651	8,785	-----	-----	-----	-----	569,350		
Sand Dab.....	6,113	5,854	5,740	5,740	5,740	5,740	5,740	5,740	5,740	5,740	5,740	5,740		
Sardines.....	14,125,573	399,890	1,765	93,421	104,897	752,700	1,965,624	12,209,104	22,763,371	11,247,322	2,086,553	4,994,529	71,742,381	
Sea-bass, White.....	20	44	66	33	38	243	35	35,088	15,830	77	218	2,356	53,112	
Shark.....	13,725	6,019	3,139	1,989	2,087	8,313	13,180	37,707	1,690	1,066	2,540	1,066	1,066	
Skate.....	8,341	6,222	2,420	1,973	-----	394	707	235	-----	1,338	2,606	1,536	25,669	
Sole.....	252	252	252	1,100	1,100	385	1,100	8,932	12,780	22,232	1,066	3,478	3,478	
Tuna, Albacore.....	33,875	37,145	46,160	34,272	34,272	982	7,268	8,932	8,316	289	7,615	11,128	21,318	218,296
Turbot.....	-----	-----	211	-----	18	72	15	-----	238,981	10,629	-----	1,300	1,011	
Whitefish.....	-----	-----	-----	-----	107	25	25	95	-----	52	20	105	367	
Miscellaneous Fish.....	68	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
Grand totals, Monterey Region.....	14,423,935	646,208	202,408	3,962,140	11,647,888	11,986,382	9,763,670	14,280,284	26,313,762	13,477,080	4,021,904	12,385,897	123,111,509	

TABLE 44
COMMERCIAL FISH LANDINGS IN THE MONTEREY REGION DURING 1946
Fishing Boat Landings From California Waters

DIVISION OF FISH AND GAME

TABLE 45
COMMERCIAL FISH LANDINGS IN THE SANTA BARBARA REGION DURING 1946
Fishing Boat Landings From California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds	
Anchovy.....													4,998	
Barnacles.....	2,107												3,724	
Catfish, Pacific.....	1,080	78			351	64	29	15	555	105			3,654	
Ed.					245			42	42	42			565	
Hake, California.....	66,721	85,005	23,005	21,146	13,605	22,709	31,719	41,173	47,396	46,555	31,799	45,275	497,765	
Mackerel, Pacific.....		1,063	227	210	177		49		5,243	1,038	1,770	1,880	9,620	
Patch.....	530	865	655	297	5	1,122	843	6,947	193	200	30	10,132		
Pompano, California.....							242	805	188	10,031	544	976	6,313	
Rock Bass.....	811	1,377	881	112	374	7,874	4,375	4,237	287	85	284	842	22,340	
Rudderfish.....	7,308	12,308	20,415	12,415	10,875	3,676	2,925	1,620	3,420	2,000	4,694	8,956	107,371	
Salmon.....					1,183	892	45						2,120	
Sand Dab.....										100	85			
Sardine.....										89	54			
Sculpin.....	105	280	147	8						374	155		176	
Seabass, Black.....	3,539	355	81	81	65	46	35	35	23	115	115		1,029	
Seabass, White.....	3,000	21,745	19,221	6,982	8,068	13,951	34,010	35,077	23,392	13,012	17,180	11,263	209,899	
Shark.....	9,949	9,964	6,012	28,839	73,865	56,632	54,545	21,275	8,855	10,337	11,293	18,220	310,105	
Seasquid.....	21,400	18,296	5,965	6,980			3,005	144	113	4,708	8,180	8,180	81,884	
Skate.....						134		124					258	
Smelt.....	142	355	110	1,013	778	879	3,126	45	113	131	87	87	8	
Sole.....	17,565	22,240	10,241	37,241	21,834	21,834	11,210	17,033	10,920	5,346	11,141	227,194		
Swordfish, Broadtail.....						432	1,897	52,522	56,501	30,608	2,819		144,775	
Tuna, Bonito.....	992			102		96	696	50,927	19,327	20,753	995		91,912	
Tuna, Bluefin.....								19,260	13	47			575	
Tuna, Mako.....									60	30	1,291	1,196		
Tuna, Yellowfin.....	387					57		151						
Whiting, Ocean.....	1,721	3,026	715	293	75					438	401	6,670		
Whitefish, Fish.....	535	900	353	1,420	3,879	1,846	10,993	1,601	2,082	2,093	2,675	31,172		
Crustaceans:														
Crab.....			180	15,821	9,268	338					38		556	
Lobster, Spiny.....	17,802										28,030	33,376	48,439	152,826
Mollusk:														
Alaçatı.....	48,193		89,358	171,475	309,025	75,506	312,998	180,936	175,275	177,820	24,760	182,410	1,802,881	
Cham, Pismo.....	2,169	3,465	3,862	4,730	2,465	9,013	7,909	8,846	5,495	4,485	4,649	2,987	64,200	
Octopus.....	24	31	169	181									372	
Oyster, Pacific.....	8,475	7,410	8,250	6,465	10,778	8,115	8,778	8,303	10,222	2,829	3,135	3,045	86,241	
Squid.....										133			133	
Grand totals:														
Santa Barbara Region.....	211,843	208,755	210,456	288,329	537,079	226,115	509,674	454,359	372,132	359,419	175,724	364,072	3,918,557	

TABLE 45
COMMERCIAL FISH LANDINGS IN THE SANTA BARBARA REGION DURING 1946
Fishing Boat Landings From California Waters

TABLE 46
COMMERCIAL FISH LANDINGS IN THE LOS ANGELES REGION DURING 1946
Fishing Boat Landings From California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds	DIVISION OF FISH AND GAME
Anchova.....	111,932	8,885	10,876	53,176	45,115	13,407	73,074	67,668	192,515	185,844	254,150	429,320	1,494,342	
Barracuda.....	39	5,254	64,301	111,263	170,985	172,570	223,515	122,405	10,913	3,461	7,483	6,994	899,384	
Carp.....	17	26	12	275	3	123	364	515	67	37	95	345	1,030	
Cuttle, Pacific.....	57	27	37	8	1	1	1	1	1	1	1	1	1,644	
Flounder, Starry.....	1	1	1	2,438	1	3,311	10,471	13,000	5,699	1	1	1	41,925	
Halibut, California.....	206,396	173,291	141,307	23,480	27,825	22,267	24,969	7,545	6,162	12,759	32,045	26,205	22,377	722,437
Kingfish.....	10,499	15,182	23,480	27,825	22,267	24,969	7,545	6,162	3,983	5,586	10,251	2,756	133,401	
Mackerel, Jack.....	9,887	17,011	17,011	17,011	17,011	17,011	17,011	17,011	17,011	17,011	17,011	17,011	313,023	
Mackerel, Pacific.....	2,627,487	572,188	294,760	143,047	385,984	132,733	118,693	338,107	11,022,155	8,471,722	10,830,525	17,246,813	51,707,710	
Mullet.....	4,912	1	1	1	1	1	1	1	1	1	1	1	4,912	
Perch.....	3,832	3,916	5,995	5,150	402	36	1,665	5,987	5,987	5,013	5,226	5,992	17,705	
Pompano, California.....	7,949	5,344	3,869	5,786	1,370	3,027	2,010	2,520	2,688	3,226	5,992	41,941		
Rockfish.....	1,391	1,391	1,391	2,884	3,027	14,471	10,471	6,093	3,768	4,469	5,098	1,391	41,909	
Rockfish.....	43,184	31,098	16,062	18,067	26,693	4,163	1,164	2,093	2,368	2,392	4,609	22,749	174,062	
Sabretooth.....	3,038	2,067	575	2,228	180	692	1,096	86	96	983	772	3,112	14,915	
Sand Dab.....	2,041	1,691	1,581	1,581	1,581	1,581	1,581	1,581	1,581	1,581	1,581	1,581	1,581	
Sardine.....	55,289,932	16,703,306	1,041,488	541,080	142,358	10,770	61,523	543,030	17,131,966	92,224,509	55,927,004	423,992,007		
Sailfin.....	8,936	10,071	9,349	25,730	12,164	1,299	18,754	12,404	1,418	2,382	1,347	6,304	105,304	
Sea Bass, Black.....	139	139	139	139	139	139	139	139	139	139	139	139	139	
Sea Bass, White.....	184	2,202	1,682	3,724	14,137	18,302	45,220	25,765	6,398	6,522	2,505	1,494	128,194	
Shark.....	22,227	20,750	11,011	94,414	71,476	40,600	68,441	44,200	41,620	20,432	516,204			
Sheepshead.....	6,249	7,553	3,255	4,465	3,070	2,484	1,153	1,418	11,210	21,283	29,132	123,143		
Skate.....	1,675	2,171	2,029	2,639	1,406	8	1,603	590	2,546	1,983	2,304	17,351		
Smelt.....	29,459	8,171	8,171	9,185	1,406	1,406	11,534	8,055	6,271	20,871	8,883	9,161	136,453	
Sole.....	1,048	357	563	2,869	121	196	353	60	49	616	34	107	6,058	
Swordfish.....	1	1	1	1	1	1	1	1	1	1	1	1	335	
Swordfish, Broadbill.....	1	1	1	1	1	1	1	1	1	1	1	1	1	
Tuna, Albacore.....	307,581	—	211,251	1,914,572	5,119,438	385,638	1,456,393	1,827,267	638,387	751,874	64,295	97	5,119,650	
Tuna, Bonito.....	248	32	114	110	1,324	1,013	1,013	1,013	451,131	1,013	2,464	29	14,233,764	
Tuna, Skipjack.....	1	1	1	1	1	1	1	1	1	1	1	1	583	
Whitefish, Ocean.....	2,699	2,831	4,435	5,481	5,155	56	53	189	189	342	558	1,353	21,163	
Yellowtail.....	48	175	78	61	107	253	2,453	330	151	100	330	3,756		
Mixed Fish.....	3,254	2,993	3,091	1,667	1,590	882	946	10,353	12,738	1,450	880	43,711		
Crab.....	371	247	490	100	100	1,902	1,032	1,907	3,080	727	750	355	11,041	
Lobster, Spiny.....	12,004	13,233	3,919	—	—	—	—	—	—	146,572	119,039	127,394	416,501	
Mollusk.....	3,184	—	2,244	8,852	8,134	8,151	7,024	12,822	4,217	888	—	—	2,716	59,142
Above.....	40	27	32	30	30	—	—	—	—	—	—	—	24	
Octopus.....	775	13,700	—	—	—	—	—	—	—	—	—	—	7,010	21,455
Squid.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total pounds.....	59,205,639	18,689,163	1,668,346	1,356,782	2,873,177	6,032,459	8,015,572	5,519,868	16,045,570	181,986,943	104,771,660	107,003,899	510,194,239	

TABLE 46
COMMERCIAL FISH LANDINGS IN THE LOS ANGELES REGION DURING 1946
Fishing Boat Landings From California Waters

TABLE 46—Continued
Fishing Boat Landings From Waters South of the International Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds	
Barreles.....	68,068	73,789	140,783	1,656	1,241	60,888	83,904	58,575	95,112	64,451	148,604	91,111	888,162	
Caballa.....	3,535	36,481	19,471	4,424	1,031	1,044	831	—	—	75	244	2,419	19,340	
Grouper.....	5,832	—	—	3,342	19,657	274	—	—	—	75	244	2,419	45,203	
Halibut, California.....	—	—	22,049	23,540	25,758	40,644	45,746	50,975	3,169	15,159	24,893	33,883	298,825	
Mackerel.....	171	—	—	—	—	—	—	—	303	1,580	1,580	2,443	7,443	
Rock Bass.....	250	11,737	4,522	815	1,206	885	150	68	1,941	474	2,678	2,092	26,961	
Rockfish.....	—	1,510	177	—	—	—	—	—	—	17	75	—	2,261	
Sea-Bass, Black.....	4,383	3,281	4,071	2,348	279	8,591	1,688	—	17,073	44,238	28,948	57,252	214,207	
Sea-Bass, White.....	5,269	—	—	512	142	33	1,002	—	18,501	2,816	1,948	2,414	14,205	
Shark.....	1	9,331	—	—	—	—	245	—	1,652	—	—	—	8,296	
Sheepshead.....	2,626	2,930	1,466	—	57	—	3	—	—	457	205	—	12,256	
Swordfish, Broadbill.....	—	—	—	—	—	—	—	—	—	—	—	—	—	
Tuna, Bonito.....	642,302	556,760	457,533	247,611	62,255	1,665	772,028	99,628	30,534	61	1,851	168	6,162,634	
Tuna, Bluefin.....	—	—	—	2,409	1,481	245	—	—	—	—	—	—	—	
Tuna, Skipjack.....	11,038	22,251	23,201	2,356	1,447	1,592	1,268,312	869,159	412,243	146,268	211,146	2,051,837	2,051,837	
Tuna, Yellowfin.....	1,407,505	819,978	1,370,477	6,510,244	7,021,179	11,536,768	4,689,118	1,690,236	1,705,531	1,242,731	478,023	3,034,190	42,707,919	42,707,919
Whiting, Ocean.....	—	—	3,945	—	435	315	—	—	—	242	—	953	12,810	12,810
Yellowtail.....	60,725	278,421	62,694	394,053	12,000	357,027	448,531	66,338	40,034	24,064	26,382	2,404,000	2,404,000	2,404,000
Miscellaneous Fish.....	—	25	—	—	540	28	389	574,050	—	512	6	86	382	1,569
Crustacean:														
Lobster, Spiny.....	—	—	—	—	—	—	—	—	—	—	—	—	—	
Total pounds.....	2,307,114	1,892,375	2,221,331	9,527,832	9,615,269	14,538,885	10,847,834	8,131,162	4,993,622	8,261,103	1,087,422	4,257,922	72,651,854	

COMMERCIAL FISH CATCH OF CALIFORNIA

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Shipments to Canneries From South of the International Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Tuna, Skipjack.....	10,233	—	1,283	—	—	66,010	—	—	91,339	—	—	—	169,082
Tuna, Yellowfin.....	13,795	—	229,830	—	—	7,074	—	—	163,125	—	—	—	5,398
Mollusk:													
Clam, Pismo.....	1,600,080	1,360,080	804,176	34,120	158,896	1,322,908	2,539,320	1,398,152	440,096	11,960	—	—	9,678,688
Total pounds.....	1,624,128	1,360,080	1,035,289	34,120	158,896	1,396,792	2,539,320	1,398,152	703,757	11,960	—	—	10,267,892
Grand totals:													
Los Angeles Region.....	83,136,881	21,911,618	4,924,516	10,918,734	12,647,372	21,068,339	18,400,726	15,049,182	21,742,049	15,269,006	105,859,082	111,294,180	563,113,985

TABLE 46
COMMERCIAL FISH LANDINGS IN THE LOS ANGELES REGION DURING 1946
Fishing Boat Landings From California Waters

TABLE 47
COMMERCIAL FISH LANDINGS IN THE SAN DIEGO REGION DURING 1946
Fishing Boat Landings From California Waters

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds	DIVISION OF FISH AND GAME
Anchovy.....	165	250	415
Barracuda.....	785	88	50,585	185,913	386,619	58,373	37,383	1,070	764	1,857	2,377	733,027	2,028	
Cuttle, Pacific.....	256	35	113	282	366	976	2,444	5,934	1,824	35,635	29,477	20,569	203,569	
Halibut, California.....	229	120	115	60,757	1,951	1,931	2,444	5,934	1,824	35,635	29,477	20,569	270	
Herring, Pacific.....	604	6,794	
Kingfish.....	507	105	121	222	105	295	2,263	55	1,411	2,610	37,837	7,232	
Mackerel, Pacific.....	1,073	45	8,320	26,085	9,411	22,244	18,867	1,166	26,080	20,569	239,294	2,028	
Mullet.....	11,967	14,580	18,534	8,634	17,373	4,880	1,166	2,609	79,723	10	
Porkfish.....	150	104	104	
Pompano, California.....	104	56,838	56,838	
Rock Bass.....	524	2,026	1,649	2,754	1,750	6,536	12,891	7,009	3,882	10,099	4,435	3,373	56,838	
Rockfish.....	2,658	919	444	1,298	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	1,231	
Sardine.....	785	89	130	153	3,357	2,343,128	4,213,667	2,062,901	8,623,428	
Solefish.....	2,947	6,578	7,275	9,568	1,988	217	101	46	740	2,697	1,069	2,059	34,264	
Seabass, Black.....	500	109	2,377	31,211	2,142	6,891	2,770	1,965	588	194	49,334	49,334	
Sea-bass, White.....	40	1,156	3,244	2,377	31,211	2,142	6,891	2,770	1,965	588	194	44,465	44,465	
Sharkfish.....	8,755	1,957	3,244	30,207	7,281	16,720	9,894	6,258	18,867	19,263	17,227	11,631	24,465	
Skatefish.....	1,666	2,145	453	87	265	321	54	56	144	5,538	23	318	318	
Sole.....	107	188	130,000	130,000	
Spotfish, Bassbill.....	810	3,800	10,525	84,674	31,447	461	2,207	92	3,572,399	
Tuna, Albacore.....	29,471	2,382,906	779,356	180,435	172,539	27,007	92	3,572,399	3,572,399	
Tuna, Bluefin.....	152,150	575,533	168,713	374,065	753	1,208	1,276,013	1,276,013	
Tuna, Skipjack.....	5,886	2,800	19	21,347	1,208	20,200	17,732	25,141	24,474	1,416	1,040	615,815	615,815	
Tuna, Yellowfin.....	80	87,654	382,766	107,792	36,879	24	1,644	8,205	8,205	
Whiting, Ocean.....	265	80	338	1,727	1,727	1,727	1,727	
Yellowtail.....	107	691	2,681	2,526	10,786	5,738	2,450	1,649	373	532	27,529	
Miscellaneous Fish.....	64	164	76	30	46	307	244	30	3	964	964	964	
Crustacean:														
Lobster, Spiny.....	7,085	7,082	1,886	58,564	25,718	22,332	122,487	122,487	122,487	
Total pounds.....	65,992	53,510	48,891	182,804	400,542	1,185,326	2,670,033	1,369,164	705,420	2,844,211	4,405,122	2,166,911	16,085,890	16,085,890

TABLE 47
COMMERCIAL FISH LANDINGS IN THE SAN DIEGO REGION DURING 1946
Fishing Boat Landings From California Waters

TABLE 47—Continued
Fishing Boat Landings From Waters South of the International Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds	COMMERCIAL FISH CATCH OF CALIFORNIA		
Barracuda.....	12,306	85,067	114,076	32,055	10,054	2,732	160	3,875	102,413	61,801	18,163	15,823	862,218			
Cabrilla.....	18,692	41,243	21,011	3,081	19,095	6,124	2,437	13,404	2,744	127,301				
Grouper.....	3,716	12,879	27,180	41,083	7,572	8,011	1,876	6,981	1,983	112,461				
Hallibut, California.....	5,693	99,754	12,021	15,297	7,242	175	175	53,810	21,153	36,774	14,181	49,945	49,945			
Mackerel, Spanish.....	63	297	175	503	22	913	974	2,947	2,947			
Petra.....	260	260	260			
Rock Bass.....	3,134	3,446	3,333	3,985	888	5,385	1,260	1,374	3,968	1,077	1,617	32,324			
Rockfish.....	5,498	7,471	4,854	6,615	19,163	1,968	60	334	1,242	1,282	3,691	51,859	30,903			
Squid.....	50	526	12,880	38,437	10,797	42,769	266	2,691	151,905		
Sea-lions, Black.....	2,427	23,080	13,052	6,739	6,333	11,816	2,213	2,201	45,845	36,492	12,644	30,012	115,107			
Sea-lions, White.....	5,300	1,034	1,034	1,034	1,034	1,034	1,034	1,034	1,034		
Shark.....	121	22,016	149,491	38,111	14,116	3,043	662	17,902			
Sheepshead.....	554	1,314	4,962	299	1,381	592	698	224	4,374	3,043	224,861				
Spinydogfish, Broadbill.....	2,115	3,416	3,287	35,297	275,750	32,362	280	323	1,147		
Tuna, Albacore.....	34,789	32,101	7,880	240,600	2,629	74	762	20,659	338,864				
Tuna, Bluefin.....	64,835	71,445	15,349	14,261	1,17,090	2,329,646	2,606,567	3,091,634	6,348,183	4,485,270	1,088,281	97,453	370,933			
Tuna, Skipjack.....	281,074	503,129	253,180	579,208	1,17,090	2,329,646	2,606,567	3,091,634	6,348,183	4,485,270	1,088,281	97,453	24,376	24,376		
Tuna, Yellowfin.....	5,099,704	4,082,451	4,634,966	6,239,117	7,857,891	11,349,497	7,141,543	2,209,473	5,286,385	7,835,638	6,064,061	14,603,340	83,988,116			
Whiting, Ocean.....	575	575	575	575	575	575	575		
Yellowtail.....	70,022	744,910	136,458	37,161	78,782	67,120	100,050	133,875	116,305	326,200	147,224	141,079	2,009,995			
Miscellaneous Fish.....	25	150	313	338	338	210	979	2,048				
Crustacean:																
Lobster, Spiny.....	195,442	142,045	254,028	9,425	48,261	201,014	248,501	1,099,646					
Total pounds.....	5,734,527	5,791,602	5,907,041	7,016,183	9,259,821	13,906,995	13,688,556	9,065,156	12,651,177	13,326,403	8,932,898	17,520,743	122,801,549			

TABLE 47
COMMERCIAL FISH LANDINGS IN THE SAN DIEGO REGION DURING 1946
Fishing Boat Landings From California Waters

TABLE 47—Continued
Shipments to Canneries From South of the International Boundary

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds	DIVISION OF FISH AND GAME
Tuna, Skipjack.....	41,603	41,605	
Tuna, Yellowfin.....	397,895	397,895	
Mollusk:														
Cham, Pismo.....	484,896	626,392	618,520	1,729,808	
Total pounds.....	439,470	484,896	626,392	618,520	2,169,278	
Grand totals, San Diego Region.....	6,230,989	5,845,472	5,935,902	7,196,957	9,660,363	15,092,321	16,358,619	10,434,320	13,354,597	16,655,600	13,964,409	20,296,174	141,056,723	

TABLE 47
COMMERCIAL FISH LANDINGS IN THE SAN DIEGO REGION DURING 1946
Fishing Boat Landings From California Waters