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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

ERRATA

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.

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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

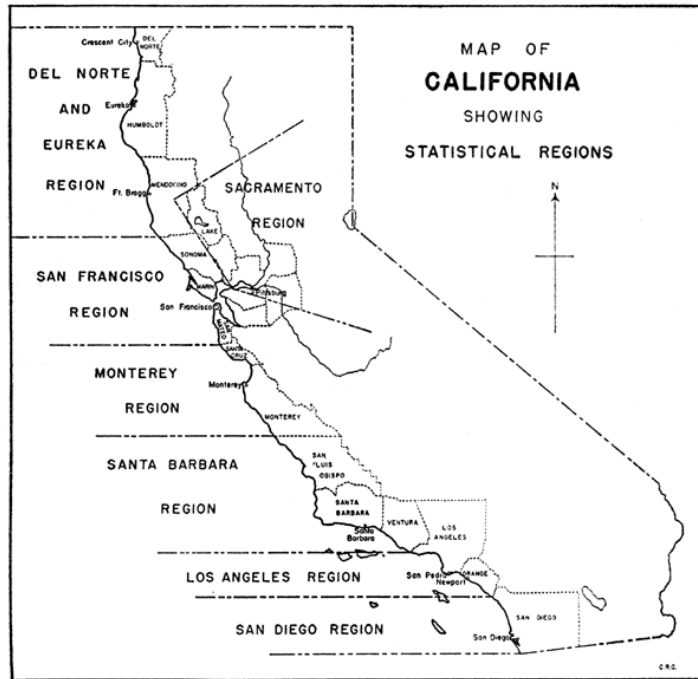


FIGURE 1

(4)

FIGURE 1

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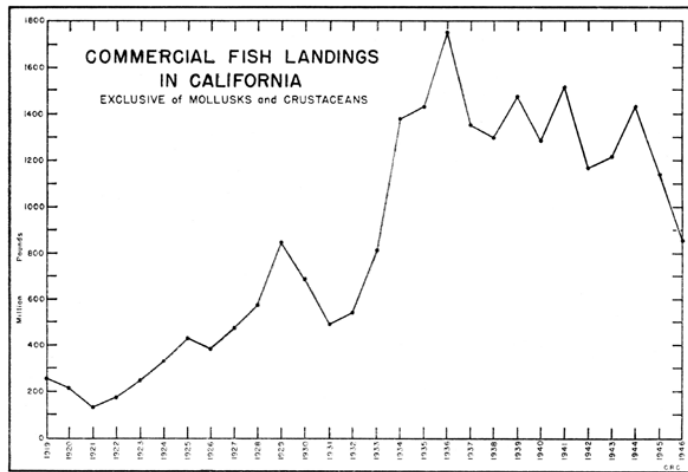


Fig. 2. Deliveries of sardines to reduction plant ships included for the years 1930 through 1938. These poundages were not included in similar charts published in former catch bulletins. See page 7 of text for details.

(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.

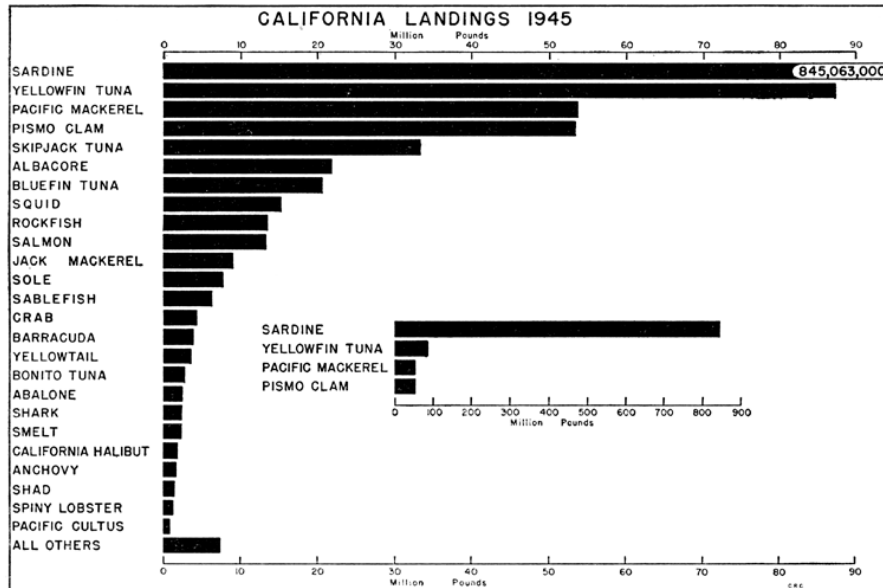
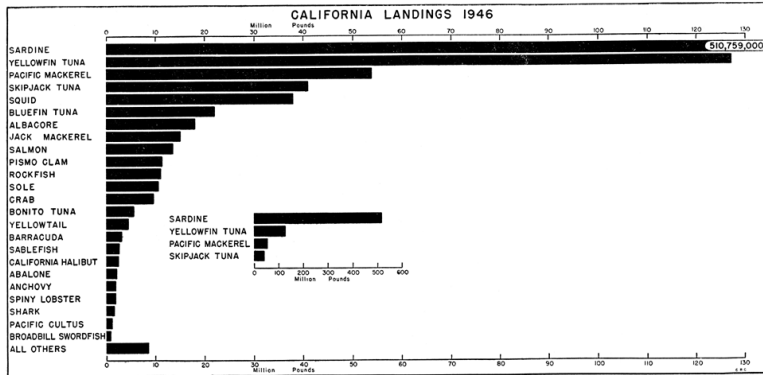


FIGURE 3
FIGURE 3



COMMERCIAL FISH CATCH OF CALIFORNIA

FIGURE 4

9

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).....	9,053,000
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 Cultus.....	759,000
All others.....	7,416,000
Yearly total pounds.....	1,215,960,000
Fish landings exclusive of mollusks and crustaceans.....	1,318,430,000

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.

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.

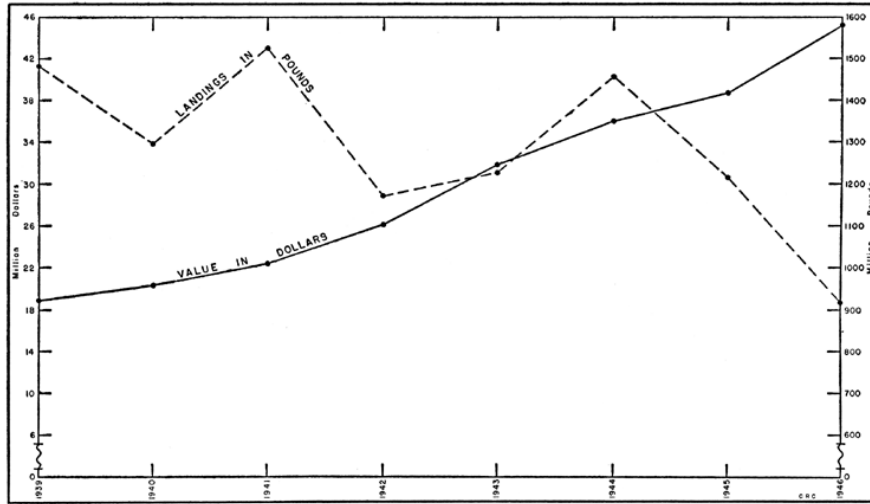


FIG. 5. California landings in pounds of fish and shellfish, 1939 through 1946, compared with the value to the fisherman. The decrease in poundage reflected the scarcity of sardines. The increase in value was due to the large volume and high price of the five tunas, with higher prices for all species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

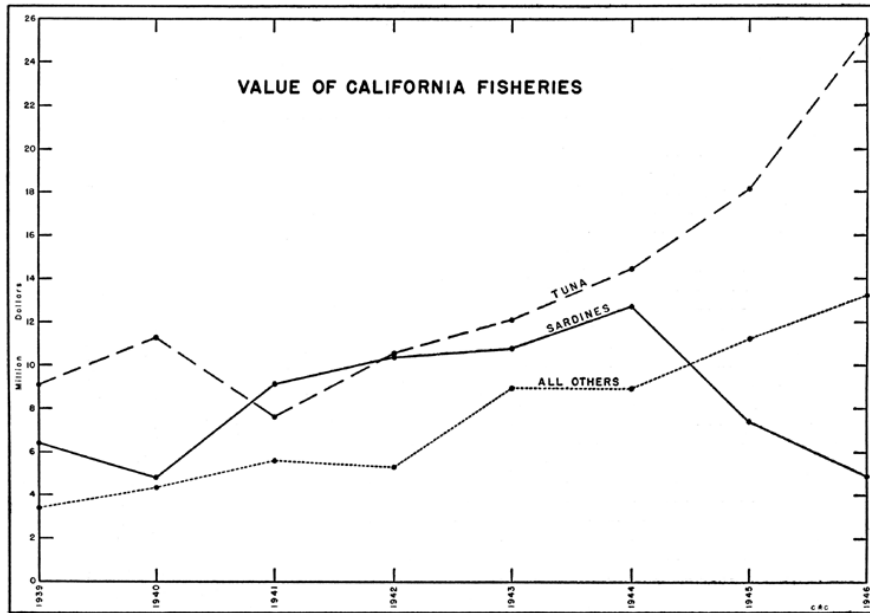


FIG. 6. Value of California fisheries to the fisherman, 1939 through 1946. The five species of tuna are grouped, albacore, bluefin, bonito, skipjack and yellowfin. "All others" includes shellfish, fresh market fish and cannery species other than sardines and tuna.

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

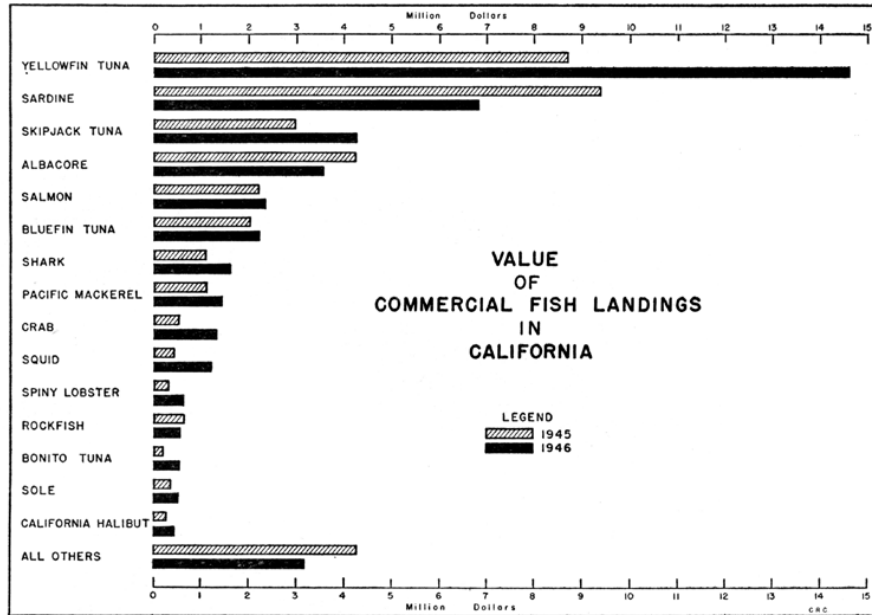


FIGURE 7
FIGURE 7

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 Anchovy..... 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
Tomaes 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.....	45,700
		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		\$137,300
		Albacore	117,700
		California Halibut	108,400
		Abalone	53,000
		Shark	28,200
		Spiny Lobster	15,900
		Bluefin Tuna	14,000
		Broadbill Swordfish	8,800
		Sole	8,200
		Sheepshead	6,900
		Pacific Mackerel	5,900
		White Sea-bass	4,000
		Ocean Whitefish	14,000
		All other	
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 Leading Ports and Species

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

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

DIVISION OF FISH AND GAME

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
		Cabrilla.....	16,700
		Sardine.....	15,800
		Sculpin.....	13,000
		Broadbill Swordfish.....	9,300
		Smelt.....	9,200
Santa Monica.....	\$363,900	Sheepshead.....	7,700
		Perch.....	6,800
		Jack Mackerel.....	6,600
		California Pompano.....	6,500
		All other.....	30,400
		Pacific Mackerel.....	147,300
		Shark.....	63,400
		Spiny Lobster.....	44,300
		Barracuda.....	33,400
		Albacore.....	19,400
Redondo Beach.....	\$56,100	California Halibut.....	15,900
		Sardine.....	9,400
		Anchovy.....	6,100
		Rockfish.....	4,300
		Broadbill Swordfish.....	3,900
		All other.....	16,500
		Pacific Mackerel.....	31,100
		Barracuda.....	9,600
		Sardine.....	4,400
		California Halibut.....	3,400
Avalon.....	\$12,700	All other.....	7,600
		Broadbill Swordfish.....	3,300
		Spiny Lobster.....	2,300
		Albacore.....	2,100
		Flying Fish.....	2,000
All other.....	\$7,400	All other.....	3,000

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.....	2,231,100
		Albacore.....	1,624,500
		Spiny Lobster.....	358,900
		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

	<i>Number of fishermen</i>
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
 NATIVITY 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	628
	Finland.....	34	
	Norway.....	19	
	All others.....	91	
Sacramento.....	United States.....	362	559
	Italy.....	141	
	Greece.....	21	
	All others.....	35	
San Francisco.....	United States.....	889	1,484
	Italy.....	385	
	Norway.....	49	
	Jugoslavia.....	30	
	Great Britain.....	22	
	All others.....	109	
Monterey.....	United States.....	560	1,074
	Italy.....	387	
	Spain.....	46	
	Portugal.....	19	
	All others.....	62	
Santa Barbara.....	United States.....	356	441
	Philippine Islands.....	33	
	Italy.....	11	
	All others.....	41	
Los Angeles.....	United States.....	3,487	4,863
	Jugoslavia.....	711	
	Italy.....	229	
	Great Britain.....	134	
	Norway.....	59	
	Austria.....	34	
	Russia.....	33	
	Denmark.....	23	
	Sweden.....	22	
	All others.....	131	
	San Diego.....	United States.....		1,302	2,023
Portugal.....		295	
Italy.....		243	
Mexico.....		37	
Great Britain.....		27	
Norway.....		24	
Sweden.....		23	
All others.....		72	
Alaska, Washington and Oregon fishermen licensed in California....	Norway.....	295	646
	United States.....	255	
	Jugoslavia.....	47	
	Sweden.....	16	
	All others.....	33	
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	845
	Finland.....	36	
	Norway.....	25	
	All others.....	88	
Sacramento.....	United States.....	497	671
	Italy.....	119	
	Greece.....	24	
	All others.....	31	
San Francisco.....	United States.....	847	1,384
	Italy.....	362	
	Norway.....	37	
	Jugoslavia.....	26	
	All others.....	112	
Monterey.....	United States.....	787	1,294
	Italy.....	383	
	Spain.....	37	
	Portugal.....	18	
	All others.....	69	
Santa Barbara.....	United States.....	478	569
	Philippine Islands.....	39	
	Portugal.....	13	
	All others.....	39	
Los Angeles.....	United States.....	3,426	4,741
	Jugoslavia.....	666	
	Italy.....	238	
	Great Britain.....	107	
	Norway.....	65	
	Russia.....	25	
	Sweden.....	23	
	Denmark.....	22	
	All others.....	169	
San Diego.....	United States.....	1,477	2,127
	Portugal.....	299	
	Italy.....	212	
	Great Britain.....	24	
	Norway.....	23	
	All others.....	92	
Alaska, Oregon, Washington and other states licensed in California.	United States.....	305	681
	Norway.....	296	
	Jugoslavia.....	26	
	All others.....	54	
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.

Season	Under 40 feet	40 feet and over	Total
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	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	Anchoviella compressa Anchoviella delicatissima
Barracuda	Engraulis mordax
Cabezona	Sphyraena argentea
Cabrilla	Scorpaenichthys marmoratus
	Epinephelus analogus
	Various species of Mycteroperca
Carp	Cyprinus carpio
Catfish	Ameiurus catus Ameiurus nebulosus
Corbina, Mexican	Cynoscion sp.
Cultus, Pacific	Ophiodon elongatus
Eel	Cebidichthys violaceus Xiphister mucosus
	Other stichaeids and blenniids
Flounder, Starry	Gymnothorax mordax
Flying Fish	Platichthys stellatus
Grouper	Cypselurus californicus
Hake	Various species of Mycteroperca
Halibut, California	Merluccius productus
Halibut, Northern	Paralichthys californicus
Hardhead	Hippoglossus stenolepis
	Orthodon microlepidotus
	Mylopharodon conocephalus
Herring, Pacific	Clupea pallasii
Kingfish	Genyonemus lineatus
Small percentage of Queenfish	Seriphus politus
Mackerel, Jack	Trachurus symmetricus
Mackerel, Pacific	Pneumatophorus diego
Mackerel, Spanish	Scomberomorus sierra
Mullet	Mugil cephalus
Perch	
Halfmoon	Medialuna californiensis
Opal-eye	Girella nigricans
Salt-water	Various members of the Embiotocidae
Sargo	Anisotremus davidsoni
Pike	Ptychocheilus grandis

* Formerly known as Horse Mackerel.

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

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

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.....	1,016,880			1,016,880
Barracuda.....	1,744,260		2,128,697	3,872,957
Cabezon.....	4,203			4,203
Calappa.....			578,158	578,158
Clam.....	122,521			122,521
Outfish.....	425,334			425,334
Cortina, Mexican.....			1,219	1,219
Calum, Pacific.....	758,320	375		758,704
Flounder, Starry.....	389,313			389,313
Flying Fish.....	5,167			5,167
Grouper.....			92,425	92,425
Hake.....	2,415			2,415
Halibut, California.....	1,658,137		166,671	1,824,808
Halibut, Northern.....	233,988			233,988
Hardhead.....	5,314			5,314
Herring, Pacific.....	460,468			460,468
Kingfish.....	430,338		177	430,515
Mackerel, Jack.....	9,052,987			9,052,987
Mackerel, Pacific.....	53,716,705			53,716,705
Mackerel, Spanish.....			11,854	11,854
Mullet.....	304,391			304,391
Perch.....	215,055		3,815	218,870
Pike.....	188			188
Pompano, California.....	70,949			70,949
Rock Bass.....	120,484		43,562	164,046
Rockfish.....	13,244,339	5,297	36,297	13,285,933
Sablefish.....	6,258,638	449		6,259,087
Salmon.....	12,380,714			12,380,714
Sand Dab.....	683,356			683,356
Sardine.....	845,062,774			845,062,774
Sculpin.....	92,471		1,788	94,259
Sea-bass, Black.....	12,328		318,215	330,543
Sea-bass, White.....	380,093		147,298	527,391
Shad.....	1,483,674			1,483,674
Shark.....	2,418,289	8,670	11,108	2,438,067
Sheepshead.....	159,542		50,242	209,784
Skate.....	74,009			74,009
Smelt.....	2,359,202		198	2,359,400
Sole.....	7,752,754	2,191		7,754,945
Split-tail.....	2,633			2,633
Sucker.....	1,328			1,328
Swordfish, Broadbill.....	168,178		194,615	362,793
Tuna, Albacore.....	3,780,413	293,751	12,262,087	16,336,251
Tuna, Bluefin.....	14,129,126		6,454,082	20,583,208
Tuna, Bonito.....	329,664		2,374,617	2,704,281
Tuna, Skipjack.....	63,978		33,254,818	33,318,796
Tuna, Yellowfin.....	4,959		87,445,086	87,450,045
Turbot.....	169,870			169,870
Whitefish.....	290,723			290,723
Whitefish, Ocean.....	32,780		25,208	58,008
Yellowtail.....	29,446		3,594,596	3,624,042
Miscellaneous Fish.....	372,688		1,122	373,810
Crustacean:				
Crab.....	4,346,083			4,346,083
Lebster, Spiny.....	479,119		793,808	1,272,927
Shrimp.....	388,539			388,539
Mollusk:				
Abalone.....	2,420,512		17,269	2,437,781
Clam, Cockle.....	1,097			1,097
Clam, Pismo.....	30,979		53,414,300	53,445,279
Clam, Soft-shell.....	13,415			13,415
Clam, Washington.....	6,565			6,565
Octopus.....	12,508			12,508
Oyster, Eastern.....	65,681			65,681
Oyster, Pacific.....	309,738			309,738
Squid.....	15,225,589			15,225,589
Total pounds.....	1,012,304,325	310,733	203,944,624	1,216,559,682

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.

† Includes part but not all of the poundage 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	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Anchovy.....	475	\$26			292,030	\$7,024	127,747	\$950
Barracuda.....					3,492	103	811	30
Calceon.....								
Cabrilla.....								
Carp.....			26,326	\$1,233	66,523	4,354		
Catfish.....			426,044	109,304	290	87		
Cerulean Heronfish.....	664,740	64,770				9,610	39,332	2,337
Clupea Pacific.....	118,943	6,192			187,022	8,092	32,234	1,462
Flounder, Starry.....								
Piling Fish.....								
Groupers.....								
Hake.....	2,162	343			318	62		
Halibut, California.....					62,416	7,363	34,176	4,601
Halibut, Northern.....	239,774	45,050			212	35		
Hardhead.....			1,229	331	8,088	1,603		
Herring, Pacific.....	28,685	1,082			309,396	5,423	83,390	450
Kingsfish.....					8,236	451	241,273	18,196
Mackerel, Jack.....							250,737	10,267
Mackerel, Pacific.....					2,017	144	453,210	17,262
Mackerel, Spanish.....								
Mullet.....								
Perch.....	44,303	4,777			81,034	11,806	28,211	2,391
Pike.....			183	16				
Pompano, California.....					89	45	9,274	6,387
Rock Bass.....								
Rockfish.....	11,718,834	514,737			158,336	8,869	1,177,130	78,396
Sablefish.....	2,657,829	296,068			183,361	13,018	2,427,004	209,267
Salmon.....	4,627,714	871,668	6,467,960	752,273	2,431,054	427,017	813,393	143,710
Sand Dab.....	145,104	6,530			323,088	15,030	111,577	5,135
Sardines.....			33,337,860	396,112	143,362,000	1,526,337	313,980,468	3,561,906
Sculpin.....								
Sea-bass, Black.....								
Sea-bass, White.....	3,213	469			34,436	4,723	2,116	236
Shad.....	730	25	1,462,615	11,563	276	29		
Shark.....	570,523	156,122			305,068	426,272	161,563	14,764
Sheepshead.....								

DIVISION OF FISH AND GAME

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

Skate.....	842	95			30,376	390	27,444	552
Smelt.....	150,297	12,271			1,715,394	106,918	234,563	14,437
Sole.....	4,750,945	213,370			2,128,492	93,523	537,568	25,348
Split-tail.....			2,633	268				
Swordfish, Broadbill.....					4,232	338	368,329	71,802
Tuna, Albacore.....	88,901	17,500			4,283	338		
Tuna, Bluefin.....					1,639	94		
Tuna, Bonito.....								
Tuna, Skipjack.....								
Tuna, Yellowfin.....					3,022	304		
Turbot.....	92,144	3,885			38,417	1,702	3,065	108
Whitefish.....	243,773	21,947			46,550	5,803		
Whitefish, Ocean.....								
Yellowtail.....								
Miscellaneous Fish.....	200,657	13,529	68	3	39,125	1,972	5,638	301
Crustacean:								
Crab.....	1,350,568	140,077			2,914,474	372,453	57,838	6,779
Lobster, Spiny.....								
Shrimp.....					352,147	14,659	1,432	241
Mollusk:								
Abalone.....					390,310	41,088	167,872	19,841
Cham, Cookie.....								
Cham, Fanny.....								
Cham, Soft-shell.....	348	27			15,067	784	2,344	314
Cham, Washington.....	6,553	605						
Octopus.....	2,498	180			7,144	549	2,856	365
Oyster, Eastern.....					63,381	8,491		
Oyster, Pacific.....					80,523	8,117		
Squid.....	300	6					15,175,425	425,980
Total pounds and value.....	28,733,877	\$2,375,977	43,243,863	\$1,853,738	161,637,353	\$3,270,252	339,566,556	\$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.

COMMERCIAL FISH CATCH OF CALIFORNIA

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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	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Anchovy.....			1,166,628	\$22,873	100	\$4	1,016,880	\$30,887
Burmese.....			2,232,730	308,484	1,682,397	175,493	3,873,227	485,223
Calappa.....	8,130	\$1,266					4,303	133
Cabrilla.....			365,427	57,046	222,731	25,812	578,158	82,858
Carp.....			29,697	2,823			125,521	3,829
Catfish.....							423,334	103,391
Codfish.....			1,219	149			1,219	149
Codfish, Pacific.....			1,849	156	145	18	758,704	67,382
Flounder, Starry.....	4,659	341	683	69			339,213	14,893
Frog Fish.....	667	30					6,167	439
Grouper.....			37,404	6,435	58,081	6,598	92,435	12,002
Hake.....							8,415	400
Halibut, California.....	937,708	138,578	521,887	75,983	248,552	35,638	1,804,898	283,063
Halibut, Northern.....							228,286	43,086
Hardhead.....							6,314	1,934
Herring, Pacific.....					3,565	136	469,655	17,171
Kingfish.....	1,449	118	207,982	11,041	559	47	459,513	24,823
Mackerel, Jack.....	132	8	8,781,189	134,596	809	38	9,032,957	144,909
Mackerel, Pacific.....	141,332	6,555	52,831,712	1,032,210	286,434	11,833	53,716,705	1,118,734
Mackerel, Spanish.....			2,232	182	9,322	671	11,854	765
Mullet.....			116,745	12,166	187,066	22,227	304,391	34,303
Perch.....	26,211	3,081	35,636	4,885	3,475	278	218,870	27,168
Pike.....							188	16
Pompano, California.....	174	50	61,142	8,905	270	55	70,949	13,542
Rock Bass.....	18,102	2,011	92,560	12,459	53,164	7,021	163,946	23,421
Rockfish.....	99,095	5,960	59,469	3,598	46,090	4,051	13,286,403	616,081
Sablefish.....	1,457	132	6,496	709			13,259,997	619,283
Salmon.....	36,783	8,373					13,380,714	2,328,186
Sand Dab.....			6,681	1,022			583,356	31,787
Sardine.....	277	0	337,459,697	3,729,823	6,392,622	99,384	845,062,774	9,406,748
Sealpin.....	3,732	298	7,202	10,437	11,702	2,441	84,656	13,176
Sea-bass, Black.....	3,154	210	148,127	19,413	159,262	20,353	339,543	39,976
Sea-bass, White.....	159,398	21,966	212,266	28,295	116,927	13,930	527,355	69,649
Shad.....							1,483,674	71,884
Shark.....	481,128	74,794	655,579	412,465	174,261	18,608	2,438,097	1,102,960
Shoephew.....	105,313	8,206	85,563	6,890	87,708	8,292	245,594	22,325

DIVISION OF FISH AND GAME

TABLE 29—Cont'd.

State.....	6,602	341	5,745	302			74,000	1,680
Swale.....	27,645	2,328	231,296	13,736	890	81	2,370,465	153,731
Subt.....	252,860	13,188	8,163	598	83	8	7,794,945	350,238
Spitfall.....							2,653	298
Sucker.....			1,323	266			1,328	266
Swordfish, Broadbill.....	46,047	14,033	153,060	87,442	183,056	53,138	265,053	106,652
Tuna, Albacore.....	470,155	140,449	6,972,941	1,327,376	13,181,090	2,870,277	21,336,201	4,158,440
Tuna, Bluefin.....	167,653	16,928	13,620,043	1,781,804	1,786,300	183,958	20,994,109	1,383,314
Tuna, Bonito.....	20,618	2,237	1,677,953	132,250	1,006,705	81,978	2,714,181	210,505
Tuna, Skipjack.....	6,233	560	5,205,520	818,944	24,025,523	2,163,161	33,347,896	2,982,265
Tuna, Yellowfin.....	285	20	33,290,033	3,311,226	64,164,733	3,463,155	87,448,045	8,715,755
Turbot.....	25,227	1,013	987	48			150,870	6,734
Whitefish.....	20,259	3,683	11,563	1,491	24,164	2,783	293,723	27,652
Yellowtail.....			1,771,427	147,553	1,762,335	144,993	61,988	8,237
Miscellaneous Fish.....	20,603	1,670	46,237	3,249	1,132	114	3,534,052	292,338
Crustacean:							373,790	20,638
Crab.....	1,015	86	12,188	1,218			4,346,083	320,613
Lebster, Spiny.....	123,313	28,247	123,263	30,017	901,354	294,808	1,272,422	302,072
Shrimp.....							383,599	14,900
Mollusk:								
Alabone.....	1,700,375	194,473	176,800	20,580	11,234	4,139	2,446,551	280,170
Clam, Cookle.....			1,067	176			1,067	176
Clam, Furrow.....	23,733	2,710	53,414,200	1,430,200			53,443,279	1,432,227
Clam, Soft-shell.....							13,415	811
Clam, Washington.....							1,595	868
Octopus.....							12,508	1,094
Oyster, Eastern.....							65,581	3,461
Oyster, Pacific.....	220,210	11,898					309,728	19,925
Squid.....			51,960	2,477			15,225,589	426,463
Total pounds and value.....	5,468,016	870,713	531,118,017	\$15,056,880	105,871,620	\$11,265,846	1,215,950,552	\$38,670,016

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 canneries and to the fresh fish dealers. For detail see page 33.
 * Includes albacore delivered to barges of San Diego and Santa Catalina Island but reported at Santa Barbara although landed at other ports.

COMMERCIAL FISH CATCH OF CALIFORNIA

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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
Anchovy.....	205,195	13,860	4,900	9,440	53,616	121,293	133,951	207,054	190,988	114,950	408,403	153,208	1,618,880
Barramunda.....	112,662	395,689	403,473	226,116	796,909	688,715	86,371	34,950	398,787	383,046	170,321	167,876	3,873,257
Calicos.....	96	96	107	158	2,531	591	352	72	193	191	173	26	4,203
Cabrilla.....	2,229	19,138	13,327	21,442	55,863	99,099	146,787	5,727	1,468	44,263	95,597	72,765	578,158
Carp.....	320	342	7,629	12,442	9,810	35,028	3,759	8,498	1,682	9,032	6,989	25,524	122,621
Catfish.....	31,703	29,739	34,094	58,428	.....	.....	293	.....	91	22,962	70,963	109,331	67,943
Codfish.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cornish Mermaid.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cultus, Pacific.....	32,466	11,663	13,896	1,211	.....	.....	.....	.....	.....	.....	.....	.....	.....
Flounder, Starry.....	29,977	40,287	39,970	41,025	19,110	2,848	8,902	10,134	20,258	41,699	30,386	57,814	339,213
Flying Fish.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Groupers.....	1,944	8,014	1,120	15,560	4,794	11,700	11,098	.....	.....	6,046	6,988	28,445	92,435
Hake.....	29	.....	.....	13	327	58	314	833	793	108	.....	457	2,415
Halibut, California.....	160,985	124,233	168,005	238,333	128,772	118,823	73,388	153,811	118,823	169,402	171,059	170,262	1,894,808
Halibut, Northern.....	290	158	82	297	143,771	63,938	2,298	3,014	4,294	1,225	571	45	253,989
Hardhead.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Herring, Pacific.....	147,491	33,613	137,144	73	.....	.....	.....	.....	.....	.....	.....	.....	.....
Kingfish.....	29,360	28,321	63,631	47,423	37,566	74,383	28,421	38,959	35,103	33,545	26,095	11,663	459,863
Mackerel, Jack.....	4,137,579	216,644	181	4,764	10,656	18,338	10,139	10,063	108,473	867,800	2,694,732	3,894,706	9,032,957
Mackerel, Pacific.....	4,214,443	794,194	83,663	343,847	333,369	297,048	100,373	11,004,025	7,243,396	14,326,822	13,361,321	10,465,729	53,715,703
Mackerel, Spanish.....	1,114	54	.....	207	2,227	3,398	2,118	55	294	2,334	248	1,653	11,854
Mullet.....	99,790	19,339	99,433	49,173	66,968	31,059	5,329	.....	.....	.....	.....	.....	394,991
Perch.....	10,199	11,337	54,694	75,453	4,881	852	20,231	10,661	10,202	8,868	6,064	6,268	218,879
Pike.....	7	119	15	37	.....	.....	.....	.....	.....	.....	.....	.....	188
Pompano, California.....	968	8,333	21,823	14,869	7,222	2,271	2,742	2,463	2,668	2,302	5,344	2,719	70,949
Rock Bass.....	13,360	11,229	9,143	7,917	9,993	94,334	27,225	3,353	6,333	13,441	12,173	10,445	163,946
Rockfish.....	368,422	227,524	690,893	1,056,233	3,114,081	1,539,407	1,194,233	1,673,761	1,123,439	1,219,793	624,442	652,886	13,288,403
Sablefish.....	126,724	66,848	149,099	279,172	964,635	471,194	392,212	998,149	326,559	819,329	427,899	588,919	6,239,957
Salmou.....	16,629	39,483	23,827	345,110	24,122	134,892	24,713	2,206,599	4,639,463	89,757	683	1,741	13,280,714
Sand Dab.....	53,032	89,076	98,476	74,814	40,059	62,762	38,691	30,304	24,220	30,191	36,617	38,223	688,599
Sardines.....	93,919,094	31,467,456	33,329	346,329	1,919,057	3,047,429	1,908,819	106,796,303	167,019,311	230,032,699	134,272,215	63,111,258	845,692,714
Sculpin.....	2,832	2,701	2,238	1,634	1,944	14,583	10,948	10,342	9,539	8,840	12,143	14,013	94,659
Sea-bass, Blue.....	1,654	8,809	20,852	14,089	25,710	67,495	13,159	4,949	19,757	41,984	23,453	97,264	339,543
Sea-bass, White.....	6,184	7,657	6,491	39,239	68,979	57,433	67,776	73,584	29,852	113,843	46,099	29,133	627,433
Shad.....	.....	.....	49,898	691,739	893,599	19,941	293	873	.....	.....	.....	.....	1,433,674
Shark.....	478,233	59,083	33,313	70,694	188,478	847,694	344,842	298,331	157,348	131,833	53,021	213,386	2,438,067
Sheepshead.....	30,291	20,668	29,352	30,910	17,715	30,137	4,395	5,173	3,749	33,383	22,892	22,738	249,684

DIVISION OF FISH AND GAME

TABLE 30
MONTHLY COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1945

State.....	8,498	9,253	14,052	17,199	9,025	3,418	2,971	4,208	1,999	104	3,242	6,332	74,069
Swell.....	71,391	489,073	462,018	430,562	151,420	152,452	174,535	153,718	112,330	89,003	40,242	26,963	2,349,405
Sole.....	497,019	386,315	458,305	562,327	622,214	630,368	1,155,938	939,830	515,304	989,118	399,805	695,814	7,794,945
Spot-tail.....	52	141	254	100	134	43	890	808			69	461	7,653
Sucker.....						1,328							1,328
Swordfish, Broadbill.....						1,094							1,094
Tuna, Albacore.....	68,681	2,335				6,175	4,731,047	9,991,498	3,199,325	3,089,238	280,877	94	21,288,201
Tuna, Bluefin.....		225,405	645,941	732,293	2,799,817	4,541,333	3,532,016	4,957,729	740,060	397,242	89,428	325	30,594,169
Tuna, Bonito.....	142,389	69,542	9,413	50,898	38,069	31,388	29,555	242,815	702,620	850,640	407,091	156,771	3,714,181
Tuna, Skipjack.....	874,793	493,377	239,994	1,297,233	2,291,314	1,465,333	1,422,733	1,652,093	4,556,313	10,785,328	4,862,529	3,121,969	43,947,566
Tuna, Yellowfin.....	2,655,939	4,472,353	4,545,430	7,336,418	13,064,574	16,461,916	10,044,923	4,918,182	3,978,029	3,076,615	7,493,707	9,281,009	87,448,045
Turbot.....	8,853	9,325	12,949	18,054	6,262	9,917	11,570	14,300	39,328	26,947	1,619	4,296	159,270
Whitefish.....	16,251	47,377	33,673	29,646	2,861	97,664	49,710	18,873	1,483	20	6,902	14,368	290,723
Whitefish, Ocean.....	10,425	4,372	8,714	3,175	6,770	5,074	4,460	151	733	5,098	1,200	3,318	61,888
Yellowtail.....	125,127	126,152	86,312	131,947	229,607	370,175	632,353	827,354	554,744	304,165	209,370	209,999	3,854,652
Miscellaneous Fish.....	12,637	3,397	3,234	7,009	9,080	12,034	10,348	50,614	81,188	129,674	49,000	4,775	373,790
Crustaceans:													
Crab.....	396,588	243,757	224,734	447,040	617,492	438,057	340,248	162,493	715	24	890,018	608,022	4,346,063
Lobster, Spiny.....	240,997	105,470	232,099	35,309					20	222,983	150,707	278,140	1,272,422
Shrimp.....	18,107	11,601	8,650	10,574	27,610	38,353	62,193	78,061	34,716	40,163	25,664	30,898	338,599
Mollusks:													
Abalone.....	144,070		31,740	326,038	264,982	186,881	363,434	372,656	253,363	180,129	173,777	150,411	2,446,681
Clam, Cockle.....					50	812	308						1,067
Clam, Pismo.....	2,639,282	3,707,753	3,094,245	2,993,432	3,194,577	3,460,499	4,074,323	3,264,610	3,929,320	3,745,333	7,973,790	8,189,013	63,440,279
Clam, Soft-shell.....	1,416	1,128	1,854	1,420	1,335	1,941	1,361	1,056	778	1,173	898	445	13,415
Clam, Washington.....	946	442	1,444	1,292							1,097	1,251	6,565
Octopus.....	543	815	751	1,433	1,488	1,551	1,553	915	307	420	630	2,095	12,508
Oyster, Eastern.....	19,397	9,209	6,964	7,499	4,415	3,458		2,756	2,275	2,309	7,065	7,901	64,881
Oyster, Pacific.....	40,312	40,568	60,141	31,988	26,428	16,799	25,622	20,287	16,950	6,950	16,890	10,755	399,738
Squid.....	770	12,470		857,651	7,940,227	3,945,499	1,132,103	463,993	793,566	198,415	621,323	329,570	15,225,589
Total pounds.....	108,485,023	44,331,708	13,843,913	18,933,010	41,601,028	40,885,567	37,847,831	141,730,513	202,233,614	284,705,410	176,116,789	105,335,181	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 the fresh fish dealers. For detail see page 38.
* See footnote a, Table 20.

COMMERCIAL FISH CATCH OF CALIFORNIA

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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
Anchovy.....								350		125			475
Catfish, Pacific.....	16,775	5,078	3,346	27,530	64,734	47,031	75,177	103,694	86,189	75,372	25,610	33,493	894,355
Flounder, Starry.....	6,330	5,709	1,649	9,133	7,653	757	2,852	4,205	16,294	17,058		41,633	115,943
Hake.....				78	85	314	300	793	100				457
Hallibut, Northern.....	140	90	82	207	145,771	63,938	7,298	8,014	4,364	1,220		847	232,714
Herring, Pacific.....		22,390	36,545										58,935
Purch.....	1,033	3,045	13,043	13,225	141		165	466	456	1,044			44,333
Rockfish.....	276,517	187,900	623,569	1,022,541	3,019,329	1,452,875	1,107,336	1,138,908	914,852	1,031,022	346,225	576,325	11,715,527
Salmon.....	487	31,942	64,953	94,157	213,917	135,397	398,219	415,350	473,957	634,248	365,106	725,547	3,637,250
Salp.....			14,494	382,719	353,372	1,794,756		1,662,039	464,947	85,787			4,627,714
Sand Dab.....	6,362	1,931	5,971	10,029	16,693	5,639	20,750	16,352	12,294	14,212	11,815	20,556	145,104
Sea-bass, White.....	32					150		402	420				243
Shad.....			8					572		120			692
Shark.....	343,104	7,732	743	1,073	166	891	11,472	9,344	15,860	120	17,216	110,827	361,533
Slate.....		109		150		71			515				849
Snail.....		677	800	3,107	3,501	14,576	43,365	59,556	21,035	3,373			150,237
Sole.....	106,244	51,413	72,373	103,655	362,849	249,503	950,450	730,024	407,242	830,305	274,820	501,536	4,790,454
Tuna, Albacore.....							293	60	93,155	372			93,587
Turbot.....	750	65	3,843	510			11,870	14,305	34,888	24,491	452		74
Whitefish.....	7,262	40,889	31,705	25,421	29,816	32,132	36,558	15,508	1,465				242,773
Miscellaneous Fish.....	101	17		15	772	1,559	2,554	33,834	71,832	120,700	10,614		290,937
Crustacean:													
Crab.....	46,581	64,369	57,359	225,947	375,154	256,030	194,545	102,450				48,233	1,390,595
Mollusk:													
Clam, Soft-shell.....										248			248
Clam, Washington.....	949	442	1,444	1,282							1,997	1,251	5,565
Octopus.....	195	69	17	108	225	346	437	246	91	217	104	451	2,498
Squid.....													200
Total pounds.....	901,669	413,537	922,148	1,556,642	4,623,990	2,550,319	4,638,154	4,269,454	2,612,699	2,908,626	1,108,060	2,126,987	28,736,595

DIVISION OF FISH AND GAME

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

TABLE 31—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
Catfish.....	3									324	65	72	375
Rockfish.....										4,675	11	610	5,297
Shadfish.....										445			445
Shark.....	954										3,128	4,560	8,670
Sole.....										2,191			2,191
Total pounds.....	957									7,650	3,205	5,342	16,982
Grand totals, Eureka Region.	902,956	413,837	922,148	1,556,942	4,623,990	2,559,319	4,638,154	4,369,454	2,612,699	2,911,176	1,111,233	2,132,229	28,783,877

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

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
Carp.....	361	236	549	5,309	5,076	4,400	.....	2,384	1,683	64	1,677	4,491	28,320
Catfish.....	31,703	29,789	34,004	55,428	.....	298	.....	91	22,862	70,575	106,351	67,945	425,044
Hatchling.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	322	940	100	1,292
Pike.....	7	118	15	37	.....	.....	.....	.....	.....	8	.....	.....	188
Salmon.....	16,600	33,483	23,357	150,771	986,374	943,261	.....	945,250	3,601,130	.....	880	1,741	5,467,950
Sardine.....	4,442,000	774,000	.....	.....	.....	10,641	.....	6,360,300	11,921,000	9,101,000	3,239,500	.....	35,537,500
Shad.....	.....	.....	40,898	591,627	839,452	.....	.....	.....	.....	.....	.....	.....	1,482,618
Spot-tail.....	63	141	254	100	134	45	.....	.....	.....	.....	60	.....	2,033
Miscellaneous Fish.....	.....	.....	.....	62	.....	.....	.....	880	806	.....	.....	461	68
Grand totals, Sacramento Region.....	4,490,743	837,765	98,077	806,424	1,831,271	353,660	.....	6,609,652	15,612,489	9,171,920	3,332,106	74,736	43,243,883

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
Anchovy					2,500	51,850	76,880	34,800	27,190	99,250			292,600
Cabazon	25			46	2,231	991	31	50	180	183	155		3,492
Crab								22			9,371		9,371
Carp										290			290
Clupea	11,357	4,005	4,232	5,575	18,007	7,167	12,579	15,688	12,077	17,785	15,115	10,015	147,532
Clupea, Pacific	20,457	31,008	20,179	19,413	8,942	1,855	8,459	7,162	20,735	25,396	13,282	15,236	189,784
Hake	30			12	249			32					313
Hallibut, California	12,805	16,487	4,455	1,006	6,245		44	347	170	3,274	6,468	2,791	53,885
Hallibut, Northern	120	68										24	312
Hardhead										3,207	1,820		5,027
Herring, Pacific	147,491	30,225	100,869	73	2,231	333	691	309	800	603	729	30,190	309,305
Kingfish	290	50	50	2,126	2,231	333	691	309	800	603	729	30,190	8,688
Mackerel, Pacific							122	2,556	1,705	2,762	2,618	1,904	309,305
Perch	5,359	5,134	27,553	29,545	40	89			3,087				81,664
Pompano, California													89
Rockfish	12,201	4,974	4,947	9,959	26,649	8,365	8,158	19,222	24,841	21,144	19,191	32,333	185,336
Sablefish	3,974	3,904	995	31,057	21,247	3,213	4,359	16,419	15,352	41,488	14,390	2,294	165,901
Salmon				39	395,257	626,518	620,817	358,405	600,918	15,888	22,799	16,326	2,431,954
Sand Dab	43,595	63,690	89,477	59,543	12,296	11,824	1,164	8,315	3,475				235,698
Sardines	10,197,109	2,668,809				47,850	291,909	26,423,450	56,233,396	45,963,890	10,007,690	484,700	149,262,699
Sole, White	1,231	737	281	973	37	15	15	85	14,990	3,191	12,517		34,435
Shad				13	27			238					278
Shark	41,699	15,972	4,186	3,322		13,535	69,901	57,245	62,164	33,613	29,715	32,435	283,668
State	5,710	5,250	3,349	6,301	770	109		425			1,500	2,110	30,376
Snail	14,000	473,511	432,995	397,106	152,733	128,339	71,353	29,353	10,454	8,406	3,168	5,479	1,715,964
Sole	225,455	302,261	345,654	328,974	179,829	68,197	82,274	123,646	89,449	134,466	102,859	163,698	2,133,492
Tuna, Albacore	142							588	90	3,299	165		4,285
Tuna, Bluefin													1,039
Tuna, Yellowfin													3,022
Turbot	616	4,770	6,469	11,475	865	1,455	628	4,440	3,022		1,167	4,187	28,417
Whitefish	1,229	6,488	3,873	1,225	2,986	5,512	4,132	165		20	6,982	14,385	46,590
Miscellaneous Fish	1,229	375	1,893	1,313	399	142		830	3,773	70	29,500	894	39,123
Crustacean:													
Crab	323,803	162,310	169,196	215,268	239,592	176,975	155,433	59,645			857,919	555,931	2,914,474
Shrimp	18,107	11,601	5,650	10,574	27,625	38,353	62,193	78,091	34,716	40,163	25,880	29,624	382,147
Mollusk:													
Abalone	4,738		2,750	51,421	49,641	17,950	98,799	104,766	52,025	8,250			390,210
Clam, Soft-shell	1,416	1,128	1,554	1,439	1,335	1,341	1,231	1,056	778	825	598	445	13,067
Octopus	27	154	374	1,994	972	482	359	911	112	119	432	1,257	7,144
Oyster, Eastern	10,807	9,309	6,964	7,889	4,418	3,483		2,760	2,375	2,890	7,695	7,901	65,531
Oyster, Pacific	6,082	7,358	10,491	12,996	11,745	8,129	10,872	8,227	4,850	1,550	900	625	50,528
Grand total, San Francisco Region	11,117,725	3,848,974	1,278,090	1,207,023	1,139,668	1,236,745	1,397,408	27,405,041	57,116,040	43,561,022	11,173,318	1,457,992	161,937,333

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

COMMERCIAL FISH CATCH OF CALIFORNIA

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

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				63,875	44,907	1,568			127,747
Cabonage.....	71	96	107	112				331	22	13	20		811
Calfas, Pacific.....	4,100	1,880	1,358	1,952	2,636	4,862	4,162	2,044	1,072	1,942	7,652		5,500
Flounder, Starry.....	5,791	2,430	9,066	12,475	2,524	445		445	1,312				600
Halibut, California.....	6,963	8,217	8,227	1,444	1,407	1,955	2,565	1,425	1,193		287	116	1,947
Herring, Pacific.....								45,460	33,800				88,990
Kingfish.....	19,270	20,020	24,409	7,997	8,029	42,888	18,211	28,414	28,887	28,504	12,358		6,176
Macarel, Jack.....	4,250		127	1,656	297	993	30	7,713	67,678	152,838	14,566		600
Macarel, Pacific.....	14,033	2,177	3,822	1,336	2,178	13,638	28,424	15,795	196,064	140,077	36,441		105
Perch.....	4,897	2,211	3,629	15,494				132	62	365			105
Pompano, California.....		33	4,682	1,731	395	452	339	110	139	1,225	85		187
Rockfish.....	72,180	22,604	20,905	4,258	44,302	44,304	75,553	410,454	185,322	122,148	135,300		54,699
Sablefish.....	129,220	30,088	85,722	138,641	429,344	310,427	189,079	562,613	331,568	133,499	20,123		68,565
Salmon.....				175,222	603,861	116,789	6,700	14,772					1,958
Sand Dab.....	8,771	3,134	4,646	15,720	10,455	41,858	16,853	3,025	3,434	2,000			2,195
Sardine.....	31,973,628	6,227,997	380,310	231,857	1,520,827	3,507,299	1,700,220	73,929,142	97,972,319	76,611,896	19,456,504		3,169,169
Sau-lan, White.....		187	83	122				185	29				15
Shark.....	40,642	12,513	9,974	821	963	8,025	51,965	22,112	7,520	3,437	885		2,711
Sole.....	2,158	2,939	4,243	8,794	3,222	3,263	939	173	462	33	1,291		3,712
Squid.....	4,783	82	105	368	357	4,823	34,889	52,635	68,413	52,634	14,806		787
Tuna, Albacore.....	55,839	19,798	26,516	104,495	64,766	179,788	66,837	4,632	2,266	88	2,417		16,761
Turbot.....				2,326	554	215							3,095
Miscellaneous Fish.....				435	1,112	2,060	1,816					12	200
Crustacean:													
Crab.....	27,004	12,653	7,164	3,329	1,242	351					2,128		3,964
Shrimp.....					94						94		1,432
Mollusk:													
Abalone.....					3,000			41,500	33,844	19,119	46,634		23,775
Clam, Pismo.....	648	245	425	821									288
Octopus.....	71	192	390	326	255	726	260	55	100	53	94		85
Squid.....	770			557,220	7,339,027	3,845,499	1,128,445	453,993	792,976	198,415	513,415		305,660
Grand totals.....	32,359,229	6,378,028	508,228	10,240,920	10,240,920	8,128,857	3,325,510	73,678,591	99,764,202	77,835,042	30,296,419	3,667,728	330,866,555

DIVISION OF FISH AND GAME

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
Barracuda	205	978			35	161	173	239	23	402	2,137	4,385	8,130
Culter, Pacific	134	35					46		191	179	15	3,497	4,659
Flounder, Starry	453	200											657
Haihut, California	82,998	39,192	84,560	122,475	63,951	52,842	48,172	107,313	87,308	72,426	84,339	79,745	926,451
Kingfish				418	746								1,164
Mackerel, Jack									169				169
Mackerel, Pacific	2,641	225			70		38	5,828	4,079	57,762	23,697	10,652	803
Perch	420	202	148	1,520				16,634	3,070	1,259	663	1,033	1,202
Pompano, California													174
Rock Bass	682	277	71	343	201	4,388	5,413	1,512	18	631	1,133	3,433	18,102
Rockfish	5,330	4,903	5,908	15,944	10,992	13,312	2,812	1,967	13,309	6,100	11,413	7,285	99,095
Sablefish				22	142	1,298	25						1,497
Salmon				4,554	15,711	6,052	7,436						36,783
Sardine							27						27
Sardine	1,343	1,017	124	105	260	151							752
Scupin				70	84	171	1,010	45	215	18			590
Sea-bass, Blue	2,192	442	5,656	255	1,308	11,935	46,782	52,062	22,819	2,718	3,887	3,841	154,042
Sea-bass, White	25,221	16,525	5,096	10,535	96,396	120,484	44,820	104,185	25,209	12,425	5,967	14,747	481,295
Shark	21,915	10,852	11,073	14,870	9,328	7,812	45						112,324
Shoebine					180	345	1,570	2,565	3,605	992	45		9,092
Slate	916	4,465	1,180	11,791	2,999	2,079	2,424	752	476	600			27,645
Sole	8,413	11,713	13,081	24,654	23,490	41,524	46,459	31,853	21,329	21,784	19,148	19,561	282,869
Swordfish, Broadbill							2,927	5,670	5,722	21,968	3,015		41,415
Tuna, Albacore*							190,169	155,568	116,559	219,534	7,343		720,155
Tuna, Bluefin							21,300	1,694	10,545	135,941			167,535
Tuna, Skipjack	102							8	20,765	267	1,845		29,118
Tuna, Yellowfin									718	5,595			6,313
Turbot	4,049	2,765	2,566	3,743	4,866	7,247							28,227
Whitefish, Ocean	1,915	320	4,114	7,020	3,310	8,675				3,889	186		20,296
Miscellaneous Fish	2,380	1,001	397	1,109	2,426	3,290	2,511	1,736	1,813	1,521	1,431		896
Crustacean:							351	68	146			256	194
Crab													125,313
Leptostr. Spiny	23,811	17,001	11,867										52,679
Mollusk:													1,700,275
Abalone	130,800		17,150	230,650	183,825	136,725	241,000	205,700	156,100	150,325	194,635	122,675	1,700,275
Clam, Furrow	4,113	2,024	2,623	1,428	3,203	2,950	3,201	874	648	657	1,462		23,723
Oyster, Pacific	34,230	33,240	49,650	18,090	13,680	8,670	12,750	15,050	12,100	5,400	16,200	10,170	229,210
Total pounds	353,073	147,548	215,721	462,947	442,159	428,912	710,702	763,863	564,836	728,565	321,982	306,463	5,446,771

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

COMMERCIAL FISH CATCH OF CALIFORNIA

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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.....								11,267					11,267
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 total, Santa Barbara Region...	353,073	147,548	215,721	462,947	442,159	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.....	205,195	13,889	599	2,440	51,110	69,945	56,971	107,999	118,891	14,010	408,405	147,308	1,196,528
Barracuda.....	1,819	9,990	17,711	65,074	281,003	144,236	19,685	33,212	4,452	1,188	1,032		579,402
Carp.....	159	106	7,387	7,943	4,734	3,442	3,736	3,960					29,967
Culpru, Pacific.....	40			305	942	374	32				231		1,249
Flounder, Starry.....		40	76	2		28	477				19		43
Flying Fish.....				203	5,476	468	29						6,157
Halibut, California.....	49,229	54,783	47,058	83,071	43,132	68,679	10,394	1,560	1,005	24,484	28,040	55,590	470,935
Kingfish.....	9,830	8,245	39,192	37,570	26,439	31,085	9,237	10,343	8,448	9,403	13,249	4,941	207,982
Mackerel, Jack.....	1,183,080	216,644	54	3,123	10,359	17,945	10,109	2,352	38,794	814,475	2,680,156	3,894,907	8,731,199
Mackerel, Pacific.....	4,198,449	730,634	79,681	330,210	262,375	128,735	62,725	1,032,744	7,074,459	14,631,954	13,784,709	10,495,146	52,531,712
Mullet.....	33,310	7,990	18,944	23,504	22,942	11,039							116,745
Perch.....	659	944	4,926	10,373	650	382	1,297	4,827	5,637	3,317	1,851	1,453	35,295
Pompano, California.....	568	5,320	16,941	12,933	6,926	1,730	2,403	2,355	2,532	1,080	4,991	3,328	61,142
Rock Bass.....	11,225	4,811	3,550	3,135	3,847	24,322	7,783	3,582	2,031	7,678	6,974	1,308	80,251

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

Rockfish	2,234	1,119	1,191	3,708	12,809	10,462	279	1,118	3,301	9,770	2,253	10,189	59,433
Sablefish	48	312	340	235	6	317	252	857	1,422	879	310	1,723	6,096
Sand Dab	1,062	851	1,282	1,222	515	894	151	109	55	49	426	6,837	6,837
Scardine	43,246,927	21,719,535	2,450	14,923	89,180	92,811	4,493	45,413	89,137	109,597,888	100,973,810	60,809,398	337,439,007
Sculpin	1,978	2,396	3,114	1,283	4,507	13,485	10,948	9,506	6,146	3,539	2,987	3,343	71,202
Sea-bass, Black	65	570	17	194	1,618	706	2,992	277	424	1,673	187	3,141	187
Sea-bass, White	3,998	5,647	511	4,854	26,740	21,249	18,861	13,588	1,819	3,071	1,372	105	99,485
Shark	13,915	9,244	3,713	23,433	79,727	163,088	163,021	65,026	49,086	38,698	18,489	23,120	653,219
Sheepshead	4,234	2,533	3,648	1,960	3,310	14,522	1,940	5,173	5,745	6,724	6,410	2,338	96,527
Shrimp	745	1,318	469	2,044	38	85	17,324	22,494	11,956	21	453	539	5,746
Small	51,585	10,913	7,678	19,187	11,400	15,772	218	62,494	12	27	21,083	23,225	20,464
Sole	1,670	1,580	951	979	280	1,836	218	12	27	284	38	238	8,168
Sucker	.....	.....	.....	.....	.....	1,258	.....	.....	.....	.....	.....	.....	1,258
Swedish Broadbill	.....	.....	.....	.....	.....	1,994	15,498	3,371	10,355	60,404	23,618	1,072	116,292
Tuna, Albacore	305	.....	.....	143	1,596,114	3,088,826	2,583,212	3,417,000	508,201	237,971	55,314	.....	12,406,789
Tuna, Bluefin	.....	.....	.....	.....	.....	3,950	2,343,001	300,000	303,110	2,064,485	185,092	31	5,235,574
Tuna, Bigeye	206	343	3,896	.....	.....	2,345	372	397	410	15,056	195,468	40,631	1,397
Tuna, Skipjack	.....	.....	.....	.....	.....	.....	.....	.....	.....	63,014	6,632	10	72,656
Tuna, Yellowfin	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	483
Turbot	227	733	22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Whitefish, Ocean	139	334	718	117	9	1,089	.....	.....	.....	.....	.....	.....	.....
Yellowtail	.....	.....	.....	.....	.....	690	5,942	31	183	219	.....	.....	.....
Miscellaneous Fish	8,927	1,784	764	3,992	4,026	4,922	3,094	12,065	1,462	1,350	2,157	1,131	45,094
Crustacean:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Crab	200	1,422	2,105	2,505	1,504	3,250	200	250	713	24	15	.....	12,188
Lobster, Spiny	19,735	14,976	6,666	.....	.....	.....	.....	.....	60,863	29,842	21,478	.....	133,576
Mollusk:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Abalone	9,652	.....	11,540	38,860	23,634	27,306	17,096	18,391	9,818	1,925	1,518	1,705	163,055
Clam, Cockle	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,097
Squid	.....	12,470	.....	425	1,200	.....	3,655	.....	599	.....	7,910	25,710	51,960
Total pounds	49,096,922	22,838,931	292,245	708,727	2,542,788	3,913,278	6,388,019	5,210,767	6,139,011	157,836,617	118,312,552	75,440,009	421,689,866

COMMERCIAL FISH CATCH OF CALIFORNIA

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—Cont'd.

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
Barracuda.....	103,760	379,287	367,768	13,839	51,538	280	37,881	.....	299,073	245,707	90,480	93,725	1,433,338
Cabrilla.....	8,187	8,629	20,870	42,448	45,856	48,421	.....	5,727	515	44,003	81,022	49,749	285,427
Cocina, Mexican.....	.....	.....	1,219	.....	.....	.....	.....	.....	.....	6,046	1,701	.....	1,919
Grouper.....	7,419	170	1,500	759	3,144	.....	.....	.....	.....	.....	.....	.....	37,404
Hallibut, California.....	.....	.....	1,673	.....	.....	.....	273	30,099	17,068	1,807	.....	.....	50,822
Machena, Spanish.....	721	.....	.....	.....	.....	.....	.....	.....	294	388	248	.....	2,332
Perch.....	.....	4,175	.....	.....	370	.....	.....	.....	.....	.....	.....	.....	70
Rock Bass.....	.....	637	1,308	.....	.....	410	2,373	70	545	525	1,019	.....	12,339
Rockfish.....	.....	216	.....	2,121	.....	1,772	.....	2,075	7,964	36,688	9,497	40,455	216
Sea-bass, Black.....	429	3,893	10,481	2,139	15,585	1,772	25	2,075	7,964	36,688	9,497	40,455	139,966
Sea-bass, White.....	60	.....	.....	.....	.....	.....	.....	.....	.....	87,768	24,509	454	112,781
Sheepshead.....	.....	159	244	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,932
Swordfish, Broadbill.....	.....	.....	.....	372	.....	.....	.....	.....	1,585	.....	4,841	.....	6,798
Tuna, Albacore.....	4,793	145	.....	.....	.....	.....	89,188	1,028,491	296,702	25,382	1,825	.....	1,383,316
Tuna, Bluefin.....	216,998	657,010	792,144	698,974	463,969	.....	1,739,336	1,537,547	206,058	.....	45	325	6,232,566
Tuna, Bonito.....	113,347	16,830	320	88	1,300	.....	18,436	241,426	541,022	400,468	97,009	13,989	1,449,659
Tuna, Skipjack.....	34,392	73,631	17,699	1,153,178	2,061,226	1,046,667	433,150	331,483	1,457,467	1,181,096	831,376	817,020	6,158,976
Tuna, Yellowfin.....	398,559	939,950	808,291	4,234,588	8,043,445	7,946,942	4,576,684	1,210,905	743,962	184,430	2,102,945	1,111,908	32,311,479
Whitefish, Ocean.....	2,232	.....	3,021	295	.....	.....	.....	.....	.....	.....	.....	.....	326
Yellowtail.....	11,202	.....	3,780	9,894	40,880	325,935	459,009	510,102	217,063	81,028	40,668	56,136	1,764,676
Miscellaneous Fish.....	.....	130	180	80	.....	20	39	9	85	.....	.....	.....	545
Crustacean:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lobster, Spiny.....	.....	1,679	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,679
Mollusk:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Abalone.....	.....	.....	.....	2,119	4,570	5,069	2,077	.....	.....	.....	.....	.....	13,835
Total pounds.....	692,438	1,643,650	1,855,145	6,195,767	10,959,218	9,830,822	7,409,782	5,407,496	3,667,528	2,300,162	2,982,841	1,713,769	54,667,018

DIVISION OF FISH AND GAME

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.....									34,210		26,683		60,901
Total pounds.....									34,210		26,683		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.....								74,489					74,489
Tuna, Yellowfin.....								768,557		200,526			978,083
Mollusk:													
Clam, Pismo.....	2,634,616	3,793,456	3,901,192	2,963,240	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	2,963,240	3,191,384	3,458,120	4,973,032	4,106,792	3,927,688	5,957,222	7,372,040	8,188,000	54,466,782
Grand totals, Los Angeles Region.....	52,393,970	28,279,037	6,048,552	9,867,734	16,693,390	17,211,220	18,770,832	14,725,055	17,001,293	189,094,001	128,694,118	85,341,778	431,118,017

COMMERCIAL FISH CATCH OF CALIFORNIA

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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
Anchovy.....							100						100
Barracuda.....	2,912		407	46,813	445,496	541,362	26,415	738	80,045	3,660	5,218	962	1,157,028
Clupea Pacific.....													145
Hallibut, California.....	443	420	22,456	28,062	7,039		3,242	4,674	50	7,002	18,523	35,477	16,172
Herring, Pacific.....													144,180
Kingfish.....					15	75							908
Mackerel, Jack.....	354												382
Mackerel, Pacific.....	3,400	1,248	50	12,101	70,637	124,637	3,374	12,010	15,415	10,794	29,654	3,074	286,434
Mullet.....	67,474	11,639	31,491	16,669	44,866	20,060	5,320			127			187,646
Pompano, California.....													270
Rock Bass.....	499	1,070	177	107	28	1,423	9,884	1,913	646	1,550	3,047		1,683
Rockfish.....		5,138	975	367		42				8	1,521		817
Sardine.....	3,441,114	50,104								658,965	580,801	653,458	5,392,592
Sculpin.....	381			276	30	12				2,391	9,188	4,923	17,917
Sea-bass, Black.....					885	75				20	578		2,043
Sea-bass, White.....				12,069	24,333	23,967	3,672	1,583	392	262	12,147	6,656	83,922
Shark.....	3,842	27	2,554	19,099	17,407	39,858	3,723	9,728	27,206	10,947	15,953	13,959	163,153
Sheepshead.....	2,145	599	30	47	62					13,905	8,484	5,513	30,792
Smelt.....	63		185			155							697
Sole.....							88						88
Snowfish, Draculich.....							857			1,374	7,533	207	10,471
Tuna, Albacore.....						75	1,027,835	667,662	316,136	204,772	46,460		2,272,369
Tuna, Bluefin.....					474,544	918,735	170,090	140	1,234				1,563,928
Tuna, Bonito.....				291	1,536	30,189	468	946	39,371	7,364	1,795		82,127
Tuna, Skipjack.....					55	96				73	4,650	249	14,199
Tuna, Yellowfin.....										128	469	521	1,299
Whiting, Ocean.....				55		379		151	48	139	30		778
Yellowtail.....					2,734	1,339	450	60	4,931	11,293	1,223	459	22,505
Miscellaneous Fish.....					394					24	183		603
Crustacean:													
Lobster, Spiny.....	20,637	3,773	5,147							104,012	44,598	21,613	199,739
Mollusk.....	80			4,807	2,913								7,800
Abalone.....													
Total pounds.....	3,533,424	75,064	63,532	141,383	1,093,014	1,702,788	1,267,751	695,365	497,785	1,059,509	817,877	735,269	11,682,741

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DIVISION OF FISH AND GAME

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.....	3,980	5,694	17,539	130,600	13,872	2,827	2,290	140	45,194	124,599	77,484	23,904	475,329
Chub.....	5,238	10,381	5,295	673	2,415	32,178	92,993	.....	302	265	14,456	23,919	225,721
Croaker.....	1,844	295	958	14,000	3,904	8,654	11,008	.....	.....	.....	5,297	8,940	55,231
Halibut, California.....	9,885	6,194	819	.....	.....	5,590	92	1,437	1,772	44,407	30,976	15,958	136,429
Kingfish.....	.....	.....	777	.....	.....	.....	.....	.....	.....	.....	.....	.....	777
Mackerel, Spanish.....	290	54	.....	327	2,287	1,141	2,118	85	.....	2,146	.....	1,184	9,822
Perch.....	.....	.....	.....	.....	3,475	.....	.....	.....	.....	.....	.....	.....	3,475
Rock Bass.....	359	905	4,735	5,091	5,519	4,285	1,973	1,174	3,795	1,857	.....	.....	29,825
Rockfish.....	.....	.....	3,330	.....	.....	9,715	63	4,963	3,823	4,780	5,606	610	35,037
Sardine.....	288	.....	.....	197	.....	.....	.....	.....	495	.....	.....	.....	1,783
Sea-bass, Black.....	1,508	2,311	3,437	11,768	8,123	84,900	13,353	2,633	2,633	4,867	13,723	45,658	172,949
Sea-bass, White.....	1,306	964	.....	1,893	18,511	1,615	115	.....	1,677	2,137	130	1,017	26,132
Shark.....	1,455	.....	.....	2,000	2,215	1,303	.....	.....	.....	1,157	203	.....	11,135
Slopphead.....	2,297	6,519	31,448	14,000	5,955	7,823	2,370	.....	.....	3,714	864	1,718	95,916
Squid.....	.....	.....	.....	.....	.....	.....	.....	.....	193	.....	.....	.....	193
Swordfish, Broadbill.....	.....	.....	.....	.....	.....	.....	1,213	14,600	20,855	156,334	3,519	150	181,482
Tuna, Albacore.....	25,461	2,215	.....	.....	.....	2,153	1,662,627	7,725,823	1,534,963	175,696	14,676	58	13,525,721
Tuna, Bluefin.....	.....	11,030	9,091	.....	.....	132,365	3,243	41,339	14,128	25,432	.....	.....	222,227
Tuna, Bigeye.....	54,334	67,319	7,229	30,315	25,208	890	1,584	25	79,178	979,520	265,114	140,847	924,270
Tuna, Skipjack.....	410,494	421,146	215,172	144,067	520,333	413,638	999,633	746,287	3,434,454	6,352,393	4,359,691	2,809,849	24,211,254
Tuna, Yellowfin.....	2,169,140	3,841,623	3,787,190	3,081,820	5,621,974	6,214,973	6,456,241	2,925,864	2,223,093	2,323,629	5,899,752	5,575,131	25,514,918
Whitesh, Gumbo.....	4,137	4,128	3,282	3,027	2,228	305	1,328	.....	301	711	112	1,817	23,396
Yellowtail.....	141,999	125,155	22,752	122,049	183,396	42,295	64,845	6,171	333,845	271,322	167,974	106,494	1,794,922
Miscellaneous Fish.....	.....	.....	.....	.....	.....	56	243	100	.....	.....	.....	.....	519
Crustacean:													
Lobster, Spiny.....	165,870	86,021	562,419	35,290	.....	.....	.....	.....	.....	25,730	87,475	212,755	791,624
Mussel.....	.....	.....	.....	.....	.....	.....	.....	252	778	510	.....	1,809	3,434
Abalone.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total pounds.....	3,336,947	4,584,419	4,321,158	5,263,927	5,537,250	9,336,057	7,727,478	11,465,379	9,064,206	12,926,616	13,277,123	11,905,051	95,849,383

COMMERCIAL FISH CATCH OF CALIFORNIA

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
Total pounds.....													339,496
Grand totals San Diego Region.....	6,870,271	4,429,494	4,385,067	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
Cultus, Pacific	1,126,538	29,162		1,155,700
Eel	596			596
Flounder, Starry	509,032	416		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	15,093,261			15,093,261
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	471,649		144,272	615,921
Shad	771,231			771,231
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	18,068,338
Tuna, Bluefin	15,529,229		6,502,519	22,031,748
Tuna, Bonito	582,853		5,042,700	5,625,553
Tuna, Skipjack	1,747,060		39,340,934	41,087,994
Tuna, Yellowfin	32,653		127,214,022	127,246,675
Turbot	48,991	1,710		50,701
Whitebait	344,107			344,107
Whitefish, Ocean	29,570		27,701	57,271
Yellowtail	31,285		4,530,298	4,561,583
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:				
Abalone	2,095,762			2,095,762
Clam, Pismo	69,177		11,408,496	11,477,673
Clam, Soft-shell	22,239			22,239
Clam, Washington	20,341			20,341
Mussel	839			839
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	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Anchovy.....					263,776	\$8,457	248,066	\$3,552
Barracuda.....					2,805	67	5,004	167
Cabrilla.....								
Carp.....			103,275	55,459	71,941	5,140	57,750	1,011
Clupea.....			401,946	105,964	8,387	2,420		
Cultch, Pacific.....	912,552	\$84,653			109,667	13,932	31,384	2,410
Eel.....								
Flounder, Starry.....	267,239	6,570			210,887	9,452	40,391	2,773
Flying Fish.....								
Groupers.....								
Hake.....	530	135						
Halfbait, California.....					440,973	6,567	269,665	31,456
Halfbait, Northern.....	355,557	71,106			2,819	845		
Hardhead.....			3,242	973	30,434	6,721		
Herring, Pacific.....	17,470	334			438,447	8,759		
Kingfish.....					8,113	374	5,089	172
Mackerel, Jack.....							281,695	14,825
Mackerel, Pacific.....							7,161,638	153,630
Mackerel, Spanish.....							1,923,078	42,885
Mullet.....								
Peech.....	40,734	4,467			72,429	11,166	25,015	1,897
Pike.....			123	11				
Pompano, California.....					462	216	44,056	14,538
Rock Bass.....								
Rockfish.....	9,476,882	429,265			221,123	12,559	1,113,966	83,024
Schellfish.....	2,011,158	294,659			99,637	7,998	333,352	42,093
Salmon.....	4,544,037	954,247	6,463,245	921,394	2,079,449	390,297	569,350	108,175
Sand Dab.....	375,237	15,317			232,660	11,367	37,997	3,692
Sardine.....			305,000	9,150	6,096,124	139,364	71,742,351	1,155,248
Sculpin.....								
Sea-bass, Black.....								
Sea-bass, White.....	13,383	2,380			20,137	3,068	53,112	10,531
Shad.....			771,231	39,199				
Shark.....	242,585	200,745			246,763	884,173	124,366	10,596
Sheepshead.....								

DIVISION OF FISH AND GAME

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

Shad	3,632	58			21,128	365	25,669	573
Smelt	96,202	7,938			462,216	22,886	94,782	6,589
Sole	7,761,622	369,259			2,365,188	114,450	218,299	11,882
Spitfall			2,809	223				
Sucker								
Swordfish, Broadbill								
Tuna, Albacore	61,246	12,378			19,977	2,247	249,610	51,167
Tuna, Bluefin								
Tuna, Bonito								
Tuna, Skipjack								
Tuna, Yellowfin								
Turbot	14,686	886			23,384	1,488	1,911	73
Whitefish, Ocean	278,251	25,199			68,751	5,100	193	16
Yellowtail								
Miscellaneous Fish	76,598	4,462	35	6	19,135	775	367	41
Crustacean:								
Crab ^a	5,822,298	728,651			2,748,144	577,191	62,299	11,144
Lobster, Spiny					432,145	20,630	5,175	1,384
Shrimp								
Mollusk:								
Abalone					15,161	2,005	218,578	28,856
Clam, Pismo							4,877	610
Clam, Soft-shell					22,239	1,335		
Clam, Washington	20,241	1,577						
Mussel							659	64
Octopus	20,212	1,248			11,499	782	5,607	787
Oyster, Eastern					84,662	13,398		
Oyster, Pacific	198	20			1,725	191		
Squid							85,002,712	1,214,091
Total pounds and value	22,292,178	\$3,129,099	8,050,968	\$1,082,231	17,690,225	\$2,285,943	123,111,509	\$3,009,484

^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.

COMMERCIAL FISH CATCH OF CALIFORNIA

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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	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Anchovy.....	4,928	\$346	1,404,342	\$29,856	415	\$18	1,521,627	\$42,639
Barracuda.....	3,724	638	1,787,546	242,925	1,315,245	156,026	3,106,515	399,489
Cabotone.....							7,596	284
Califish.....			153,888	19,254	127,801	13,751	281,689	32,965
Carp.....			2,345	251			25,311	11,898
Catfish.....			1,081	97	2,028	201	410,333	108,384
Clupea, Pacific.....	8,658	759					1,145,700	102,043
Eel.....	599	39	1,944	117			509,448	22,092
Flounder, Starry.....			41,296	3,183			41,296	3,183
Flying Fish.....			45,303	6,050	112,461	11,986	157,764	18,035
Groupers.....							850	155
Hahn.....			1,047,282	197,748	695,591	120,288	2,500,204	453,210
Halibut, California.....	497,793	87,311					358,379	71,451
Halibut, Northern.....							33,876	7,994
Hardhead.....					770	23	451,776	6,328
Herring, Pacific.....	9,690	380	135,401	7,029	4,794	431	487,623	22,995
Mackerel, Jack.....			7,931,623	174,723			15,068,261	327,353
Mackerel, Pacific.....	10,152	692	51,792,719	1,379,254	230,364	11,741	53,875,253	1,431,462
Mackerel, Spanish.....			3,443	340	2,947	159	6,330	490
Mullet.....			4,612	225	75,753	3,162	84,335	3,845
Perc.....	6,731	600	49,310	7,315	410	19	162,626	25,401
Pike.....							123	11
Pompano, California.....	100	21	41,941	6,501	104	17	86,693	21,693
Rock Bass.....	22,549	2,688	9,486	13,661	90,111	10,887	207,612	27,474
Rockfish.....	167,654	7,488	176,751	14,054	71,070	5,657	11,173,226	552,225
Salafish.....			14,915	1,401			2,650,152	255,943
Salmon.....	2,120	466					13,658,201	2,274,909
Sand Dab.....	328	15	13,859	2,192			679,072	22,513
Sardines.....	178	6	423,092,067	5,395,540	8,623,425	188,699	510,750,173	6,833,084
Scupin.....	1,629	64	199,298	16,679	34,627	3,590	145,054	20,333
Southern, Blue.....	2,258	251	232,289	49,218	157,959	25,965	452,556	63,894
Southern, White.....	296,899	25,837	157,359	33,548	164,441	31,368	615,921	117,447
Stad.....							771,251	39,199
Shark.....	310,106	235,344	524,359	273,245	156,640	10,450	1,605,347	1,614,873
Sheepshead.....	81,433	5,972	143,319	12,170	43,368	3,226	267,120	21,368

DIVISION OF FISH AND GAME

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

Skate.....	258	17	17,251	978			78,088	1,989
Smelt.....	9,113	707	130,873	9,230			733,091	37,460
Sole.....	227,194	10,285	6,085	405	313	32	10,563,603	506,313
Splittail.....							2,659	228
Sucker.....			235	60			535	60
Swedish Breadfish.....	144,770	44,287	337,499	111,055	356,282	113,713	699,060	293,190
Tuna, Albacore.....	91,912	18,312	6,914,470	1,378,911	10,740,023	2,124,283	18,068,338	3,367,298
Tuna, Bluefin.....	19,462	1,849	20,307,419	2,080,484	1,614,877	163,476	22,031,748	2,245,709
Tuna, Bonito.....	3,744	910	3,423,990	311,461	2,136,849	234,293	5,623,363	836,994
Tuna, Skipjack.....	123	13	16,064,462	1,608,264	24,063,409	2,674,833	41,067,994	4,283,130
Tuna, Yellowfin.....	673	47	48,151,734	4,631,851	34,094,476	3,951,264	127,246,673	14,913,722
Turbot.....							49,801	2,337
Whitefish.....							344,107	33,312
Whitefish, Ocean.....	6,670	764	33,973	3,291	16,628	1,609	37,271	4,564
Yellowtail.....			2,454,269	193,148	2,127,284	179,194	4,591,583	374,312
Miscellaneous Fish.....	31,173	2,734	45,689	4,297	3,012	781	176,000	12,596
Crustacean:								
Crab.....	556	76	11,041	1,189			9,644,405	1,315,851
Lebanese Spiny.....	182,839	43,958	542,622	199,791	1,222,133	397,394	1,917,651	911,140
Shrimp.....							437,320	22,014
Mollusk:								
Abalone.....	1,892,881	217,094	69,142	6,457			2,005,762	254,452
Clam, Pismo.....	64,300	6,690	9,675,688	233,383	1,726,808	32,639	11,477,673	236,582
Clam, Soft-shell.....							22,289	1,338
Clam, Washington.....							20,341	1,577
Mussel.....							609	54
Octopus.....	373	31	241	29			37,931	2,887
Oyster, Eastern.....							84,603	13,393
Oyster, Pacific.....	86,381	5,794					83,096	3,355
Squid.....	133	5	21,485	666			38,034,528	1,214,752
Total pounds and value.....	3,918,557	773,990	563,113,985	\$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 33.

COMMERCIAL FISH CATCH OF CALIFORNIA

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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
Anchovy.....	111,292	33,915	10,876	66,452	127,450	55,442	104,494	106,411	320,485	305,449	237,350	422,010	1,921,027
Barracuda.....	52,640	164,888	310,088	295,739	395,293	623,118	363,920	224,726	220,613	160,477	177,107	116,826	4,106,516
Cabernose.....	1,810	610	509	1,550	1,323	40	76	78	44	62	100	1,180	7,809
Cabrilla.....	5,353	65,668	63,714	25,962	15,216	20,629	831	.....	6,217	4,441	31,885	38,823	201,089
Carp.....	5,209	21,739	17,681	39,646	20,422	9,216	58,254	.....	1,163	30,952	20,637	10,129	223,311
Codlin.....	42,023	23,326	27,236	37,431	4,467	.....	.....	.....	30,983	89,933	97,232	57,154	410,333
Culter, Pacific.....	29,427	51,249	30,072	99,925	131,831	125,075	148,909	137,966	171,286	112,155	24,873	92,632	1,155,700
Fl.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Flounder, Starry.....	37,183	8,747	36,549	58,072	16,283	19,791	25,025	35,920	64,601	63,021	15,995	60,230	509,448
Flying Fish.....	.....	.....	.....	2,855	5,585	2,791	10,958	13,007	5,990	.....	.....	.....	41,226
Grouper.....	.....	12,568	12,879	30,422	61,540	7,846	.....	.....	8,896	4,720	3,830	.....	127,794
Hake.....	338,206	305,566	305,688	204,020	91,203	196,625	178,438	170,047	93,883	179,495	153,198	199,893	2,900,094
Halibut, California*.....	1,686	68	1,585	1,047	85,032	84,840	124,263	46,921	6,033	.....	2,668	133	705
Halibut, Northern.....	5,021	7,994	11,239	8,857	992	.....	.....	.....	1,013	1,296	943	.....	33,576
Herring, Pacific.....	392,257	95,172	1,830	569	1,200	5,765	1,169	.....	60	4,146	69,647	481,776	1,481,776
Kingfish.....	26,846	28,843	51,383	32,297	26,488	89,578	63,729	29,943	45,709	31,983	24,728	14,956	457,023
Machere, Pacific.....	826,426	772,915	29,214	14,590	16,053	66,064	5,528	56,918	1,407,102	628,674	1,489,593	9,776,755	15,093,261
Machere, Spanish.....	2,946,770	572,521	295,205	152,570	413,782	256,579	165,977	378,372	12,704,649	8,642,670	10,391,187	17,253,005	53,875,203
Mullet.....	.....	294	.....	.....	297	293	.....	.....	901	432	.....	.....	6,209
Porch.....	11,967	19,192	18,814	8,654	17,373	4,880	.....	1,166	.....	.....	.....	.....	84,335
Rock.....	15,648	12,221	41,585	23,596	510	291	15,051	12,887	8,684	8,682	3,217	.....	172,564
Rock Bass.....	.....	12	40	47	.....	.....	.....	.....	.....	.....	.....	.....	21
Rockfish.....	7,754	5,839	8,690	4,900	6,300	2,542	6,085	6,481	8,522	18,856	3,939	10,173	86,093
Rock Bass.....	4,405	19,330	11,671	9,692	10,102	35,126	27,797	20,051	12,090	23,054	17,124	14,950	207,512
Rockfish.....	408,975	1,066,322	695,945	1,102,977	1,590,023	1,006,355	973,095	1,015,745	1,229,397	1,094,177	252,793	790,089	11,173,296
Sablefish.....	90,273	93,433	84,312	190,915	306,767	357,174	439,347	366,256	330,733	254,273	62,597	89,023	2,659,132
Salmon.....	9,634	96,271	208,076	1,477,790	2,490,032	940,263	2,023,292	2,068,437	4,821,799	29,840	1,166	1,704	15,685,201
Sand Dab.....	67,296	63,384	62,396	79,399	58,113	29,273	63,823	44,355	63,489	71,409	31,769	75,152	679,072
Sea Bass.....	69,412,627	18,299,876	1,043,253	636,716	288,976	788,519	1,996,494	12,585,939	24,098,708	184,910,118	89,825,941	97,241,735	610,799,173
Sculpin.....	11,258	16,929	15,711	33,399	14,162	1,099	13,084	12,913	2,298	3,263	2,413	5,318	145,084
Sea Bass, Black.....	7,394	31,113	19,499	14,951	7,954	21,133	8,122	4,535	104,449	83,389	42,675	87,905	432,536
Sea Bass, White.....	10,022	27,577	21,090	12,275	31,595	67,340	96,732	140,953	62,034	73,013	23,029	15,568	615,921
Shad.....	.....	.....	37,488	244,841	457,806	1,096	.....	.....	.....	.....	.....	.....	771,281
Shark.....	240,834	47,363	41,921	183,979	178,323	193,085	152,711	161,746	101,211	65,576	64,324	167,722	1,063,247
Sheepshead.....	29,559	32,444	17,567	12,911	4,855	4,296	.....	4,854	11,691	40,275	39,411	64,108	267,120

DIVISION OF FISH AND GAME

TABLE 40
MONTHLY COMMERCIAL FISH LANDINGS IN CALIFORNIA DURING 1946

Shade.....	12,041	9,658	8,630	7,509	3,660	736	707	1,459	2,446	6,561	8,622	15,664	78,038
Smelt.....	48,812	166,566	109,507	113,169	87,008	75,035	45,554	42,006	43,188	62,610	38,229	23,730	783,091
Sole.....	52,989	590,225	477,239	812,448	1,024,736	1,205,977	1,416,996	683,244	1,302,828	1,225,945	250,662	955,157	10,568,003
Sprat.....	464	215	165	46	284	.....	.....	694	994	17	40	.....	2,869
Sucker.....	.....	.....	.....	.....	.....	4,520	.....	.....	.....	.....	.....	.....	335
Swordfish, Rowan.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	859,050
Tuna, Albacore.....	.....	.....	.....	.....	.....	424,082	8,194,337	7,021,380	1,394,579	1,028,371	94,981	588	18,088,538
Tuna, Bluefin.....	642,302	794,628	497,353	493,744	2,161,677	0,066,524	5,725,411	4,054,751	1,146,701	479,404	3,254	20,000	22,031,748
Tuna, Bonito.....	78,851	99,537	59,369	10,939	18,228	43,370	15,104	1,530,601	1,623,690	782,579	591,001	982,123	5,035,533
Tuna, Skipjack.....	440,059	536,321	348,631	2,653,879	2,621,957	4,353,369	5,022,296	3,790,975	9,686,560	5,863,736	1,211,540	2,230,769	41,087,994
Tuna, Yellowfin.....	6,909,059	4,002,096	6,835,273	12,749,361	15,770,007	23,194,828	11,830,661	3,918,739	7,168,390	9,078,549	7,448,908	17,734,637	127,346,675
Turbot.....	4,716	1,709	3,849	8,992	13,111	3,553	627	4,651	1,299	6,657	1,374	10,063	49,501
Whitefish.....	51,668	90,774	54,275	70,796	36,126	39,578	25,216	8,360	1,733	1,689	8,352	10,660	844,107
Whitefish, Ocean.....	5,378	14,676	10,265	10,869	4,462	915	.....	929	830	1,235	3,222	3,599	57,271
Yellowtail.....	130,354	1,025,300	292,008	401,272	298,792	453,646	654,371	712,238	158,882	367,744	172,600	167,236	4,301,383
Miscellaneous Fish.....	14,959	5,224	31,290	12,939	12,000	9,502	21,234	11,089	16,888	17,608	12,538	10,582	176,000
Crustacean:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Crab.....	695,832	728,168	847,589	1,782,248	1,886,024	865,376	688,855	317,747	3,125	5,352	920,211	912,247	9,644,405
Lobster, Spiny.....	232,423	178,201	269,501	4,425	.....	.....	.....	.....	.....	277,288	429,721	530,722	1,917,881
Shrimp.....	24,594	26,154	46,410	40,043	31,027	36,454	39,265	49,357	68,238	22,583	17,961	35,234	437,320
Mollusk:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Albacore.....	83,244	.....	101,636	199,147	408,207	89,160	358,164	244,906	214,819	191,063	33,907	191,479	2,095,762
Clam, Firm.....	1,002,673	1,364,146	898,817	39,264	169,361	1,332,421	2,547,229	1,408,798	453,010	501,494	631,502	622,058	11,477,672
Clam, Soft-shell.....	895	1,674	1,660	2,142	2,091	1,688	2,145	2,746	2,121	2,254	1,817	1,476	22,239
Clam, Washington.....	2,740	3,016	1,378	9,916	400	.....	.....	.....	1,088	549	743	423	20,841
Mussel.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	639
Ostrea.....	2,549	2,372	2,266	4,126	4,498	5,013	5,558	2,538	2,326	1,796	1,535	3,528	37,931
Oyster, Eastern.....	3,265	7,865	8,255	7,447	7,178	8,289	3,266	3,159	3,095	3,374	9,344	11,452	84,093
Oyster, Pacific.....	9,075	7,935	8,500	7,065	10,778	8,115	8,775	3,393	10,020	2,530	3,135	3,645	88,006
Squid.....	779	13,700	.....	3,397,409	11,141,892	10,833,068	7,346,495	1,881,720	973,376	1,543,078	764,911	426,404	35,024,528
Total pounds.....	86,420,921	32,545,810	13,927,559	28,150,908	42,418,700	53,970,778	59,891,133	45,127,489	70,161,842	218,960,850	125,542,227	151,587,263	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.
* See footnote a, Table 39.

COMMERCIAL FISH CATCH OF CALIFORNIA

TABLE 40—Cont'd.

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
Culter, Pacific	14,661	36,078	16,660	74,022	95,706	115,596	143,169	111,017	130,565	81,000	7,873	57,400	883,430
Flounder, Starry	1,782	21,019	2,503	35,946	13,628	15,982	21,467	30,144	3,239	42,541	1,354	28,509	247,110
Hake	800	60	613	498	34,888	34,840	124,293	46,921	6,063	3,660	133	705	355,557
Herring, Pacific	3,812	13,608	11,721	14,766	1,200,069	905,388	920,792	876,483	1,022,845	678,817	101,851	512,937	8,830,594
Porel	3,078	4,695	11,711	14,766	980,396	1,200,069	905,388	920,792	876,483	1,022,845	678,817	101,851	512,937
Rockfish	330,690	81,501	464,955	980,396	1,200,069	905,388	920,792	876,483	1,022,845	678,817	101,851	512,937	8,830,594
Salmon	30,669	32,094	35,234	83,757	229,193	293,812	370,288	397,139	314,459	220,419	39,566	50,294	1,973,394
Sand Dab	24,149	28,359	22,797	31,441	38,060	25,119	49,528	39,992	32,879	35,016	12,923	34,417	373,692
Sea-bass, White	187	141	40	1,835	6,738	3,379	1,547	17	17	17	17	159	13,933
Shark	194,846	2,320	322	69	189	2,490	3,619	3,655	10,852	14,063	5,334	45,811	240,783
Skate	60	254	865	1,656	1,067	3,655	437	3,701	87	140	155	12,376	58,912
Sole	103,428	263,514	213,894	535,797	797,547	1,084,717	1,238,378	690,686	1,067,731	891,665	85,584	859,812	7,489,734
Tuna, Albacore	660	222	1,055	1,656	1,067	3,655	437	3,701	87	140	155	12,376	58,912
Turbot	23,677	21,764	33,330	69,971	35,740	39,417	24,604	8,524	1,123	111	111	111	275,251
Whitefish	10,270	874	26,830	360	1,942	4,920	8,515	8,306	2,308	1,393	7,394	3,476	76,998
Miscellaneous Fish	10,270	874	26,830	360	1,942	4,920	8,515	8,306	2,308	1,393	7,394	3,476	76,998
Crustacean:													
Crab	130,266	248,784	696,875	1,582,431	1,724,971	721,805	532,933	224,681	45		690	45,927	5,822,398
Mollusk:													
Clam, Washington	2,740	3,018	1,378	9,916	490				1,088	549	743	423	20,341
Octopus	797	1,238	692	1,781	2,088	3,414	4,090	2,423	1,172	397	184	1,024	20,312
Squid													198
Total pounds	888,820	1,594,379	1,490,145	3,631,007	5,013,287	3,898,497	4,959,400	3,398,515	3,074,789	2,084,004	200,691	1,314,364	31,494,898

DIVISION OF FISH AND GAME

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
Cultus, Pacific.....		853	1,999		5,558	896		747	14,304	4,396		469	20,162
Flounder, Starry.....		365								51			416
Rockfish.....	4,500	55,312	104,032		216,037	17,578		19,686	83,956	144,105		1,074	648,288
Sablefish.....					1,767	3,947		3,180	6,194	12,194			32,314
Sand Dab.....													635
Shark.....		49	18		39			87	842	285			1,803
Soft.....		2,949	1,970		119,237	12,670		18,807	49,074	31,419			271,788
Tuna, Albacore.....								2,694					2,454
Cyprinid.....										1,710			1,710
Miscellaneous Fish.....		180	10		20					20			230
Total pounds.....	4,500	59,708	107,999		342,658	34,789		44,951	154,370	194,000		44,245	957,290
Grand totals, Eureka Region.	890,320	1,564,087	1,568,144	3,631,007	5,355,945	3,903,286	4,950,400	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
Carp.....	2,028	1,713	5,130	17,859	8,927	2,637	.....	644	30,862	20,847	9,937	3,091	103,275
Catfish.....	42,032	23,142	27,220	37,451	4,497	.....	.....	.....	30,983	88,001	93,340	57,074	401,946
Hardhead.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,013	1,286	945	3,242
Pike.....	.....	12	40	47	.....	.....	.....	.....	.....	3	.....	21	123
Salmon.....	9,634	96,271	208,073	666,531	1,187,111	132,114	.....	457,022	3,673,636	.....	1,166	1,704	6,463,245
Sardine.....	.....	.....	37,438	244,841	457,806	1,666	.....	.....	.....	.....	.....	308,000	305,000
Shad.....	.....	.....	105	46	384	.....	.....	.....	.....	.....	.....	.....	771,331
Split-tail.....	464	215	.....	.....	.....	.....	.....	634	964	17	40	.....	2,889
Miscellaneous Fish.....	.....	.....	.....	.....	.....	.....	.....	.....	35	.....	.....	.....	65
Grand totals, Sacramento Region.....	54,158	121,853	278,055	966,755	1,688,725	135,847	.....	488,200	3,736,450	107,581	105,990	367,833	8,050,966

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
Anchovy.....				13,276	81,650	38,615	27,300	37,475	32,450	31,810	1,200		283,776
Cabazon.....	97	270	153	1,129	923	557	40		44	70	50		2,905
Carp.....	3,271	20,026	12,351	18,787	10,995					90	192		71,941
Catfish.....		684								3,931	3,892	80	8,387
California Pacific.....	12,946	12,329	11,780	21,060	29,853	7,820	3,994	17,880	24,730	23,338	10,944	22,090	190,907
Flounder, Slender.....	28,803	45,622	27,918	20,081	1,979	70	2,529	5,008	23,329	24,218	11,832	19,467	210,887
Halibut, California.....	13,439	2,143	7,470	2,567	551	441	314	425	904	1,817	1,450		40,073
Halibut, Northern.....	706		1,272	940	174								2,919
Hardhead.....	8,001	7,924	11,229	6,837	393								30,434
Herring, Pacific.....	208,445	81,514	1,820	70									488,447
Kingfish.....	45	20	30	58	135	3,418							4,006
Perc.....	6,549	2,863	22,318	10,596			3,547	3,315	4,552	4,302	329		72,498
Pompano, California.....			10			177	122	106	19	553	67		1,022
Rockfish.....	32,484	22,301	31,943	24,694	31,450	7,444	4,739	5,684	15,885	13,783	6,229	13,360	291,122
Subfish.....	5,268	10,806	7,197	31,620	23,578	14,305	3,323	1,239	1,782			845	89,837
Salmon.....	24,227	14,676	84,272	424,740	842,008	170,692	820,109	404,652	208,535				2,070,440
Sand Dab.....				20,823	18,682	6,975	11,470	11,911	20,961				252,660
Sardines.....	6,711	1,070,680		2,315	41,423	24,900	350	215,159	789,900				6,098,124
Snappers, White.....		153	65				1,725	5,729	4,861				30,137
Shark.....	31,743	6,870	7,301	1,114	10,913	57,850	24,005	28,545	20,743	7,222	11,000	30,487	246,793
Skate.....	2,125	1,295	4,150	2,125	400	200	800	1,653	2,620	3,023	11,844		31,128
Snell.....	18,519	150,049	90,039	83,044	26,377	46,690	8,766	3,832	8,995	7,796	7,115	11,245	462,316
Sole.....	847,134	203,699	215,141	215,791	65,908	73,630	83,671	83,235	163,135	291,710	143,427	393,977	2,355,188
Tuna, Albacore.....							16	2,131	8,810				10,977
Turbot.....	4,107	1,435	4,384	6,345	305			989	1,179	4,807	1,574	5,665	33,904
Whitefish.....	27,921	18,010	955	795	302	80	697	39	12	973	8,326	10,660	65,721
Miscellaneous Fish.....	768	249	500	7,934	3,993	515	117		559	964	1,369		19,135
Cephalopods:													
Crabs.....	557,822	483,276	237,464	198,261	140,403	141,499	154,328	89,267		4,625	886,443	854,726	3,748,144
Shrimp.....	24,350	24,146	45,100	39,841	31,027	36,080	39,125	49,387	67,835	22,037	17,252	36,005	432,145
Mollusk:													
Almonds.....	805	1,074	1,650	2,142	2,031	1,685	2,145	4,650	6,983	3,329			15,161
Clams, Soft-shell.....								2,746	2,121	2,334	1,817		22,239
Octopus.....	1,834	898	1,465	1,863	1,204	1,240	1,014	72	202	26	86		11,499
Oyster, Eastern.....	8,293	7,938	8,885	7,447	7,178	8,239	8,266	5,159	3,905	5,374	9,344		84,693
Oyster, Pacific.....	600	523		600									1,725
Grand totals, San Francisco Region.....	1,463,795	2,248,317	787,665	1,184,986	879,327	658,488	899,044	977,675	1,412,763	503,120	1,154,448	5,520,588	17,690,225

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

COMMERCIAL FISH CATCH OF CALIFORNIA

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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.....		26,090				2,600	1,270	770	95,000	119,736	2,000	1,890	248,606
Cabazon.....	1,713	340	373	821	401	40	25	75		22	50		5,094
Carp.....							57,750						57,750
Clupea Pacifica.....	484	1,786	423	3,317	8,142	734	1,713	6,684	1,250	1,096	4,066		31,284
Flounder, Sharp.....	6,543	13,714	5,022	2,345	538	3,073	1,545	711	8	1,116	2,809	11,855	49,391
Habitat, California.....	21,091	20,882	15,425	24,693	6,409	32,389	22,406	18,873	6,206	1,880	3,471		209,663
Herring, Pacific.....			490	1,200			1,169						4,089
Kingfish.....	15,615	12,078	7,626	4,073	7,809	81,456	52,032	22,720	30,214	22,277	11,007		281,605
Mackerel, Jack.....	15,967	1,193	17,566	10,810	8,872	8,892	865	12,465	329,375	95,746	699		7,181,638
Mackerel, Pacific.....	18,210	248	445	1,125	1,008	28,012	24,147	18,451	1,070,859	150,721	3,025	830	1,923,078
Petfish.....	1,239	334	423	13,727	100			4,288	46	377	350		20,015
Pompano, California.....	345	545	4,811	3,924	4,039	2,365	2,936	4,365	3,302	18,881	462	181	44,056
Rockfish.....	73,329	91,374	25,521	69,276	89,944	68,316	34,241	102,558	98,282	205,556	133,101	135,020	1,119,966
Sablefish.....	61,339	48,556	51,216	68,310	46,139	54,558	64,635	54,612	8,215	20,767	24,894	29,741	533,382
Salmon.....				213,613	189,785	78,308	78,681	8,792					699,500
Sand Dab.....	6,113	5,584	8,740	3,078	2,396	3,417	1,855	2,860	1,516	2,833	2,628		27,967
Sardines.....	14,125,575	366,800	1,785	93,421	104,867	752,790	1,965,924	12,309,104	22,761,371	11,247,822	2,986,883	4,994,329	71,742,281
Sea-bass, White.....		20	44	66	33	38	342	23,083	15,920	77	213		35,112
Shark.....	13,725	6,160	3,139	1,396	2,297	8,318	18,340	37,933	7,369	160	1,594		124,666
Shole.....	5,241	6,222	2,420	1,973		394	707	223	1,323	2,666	1,833		26,669
Sole.....	115	235	16,745	169	505	12,245	8,767	12,989	22,332	14,729	19,692	2,183	64,782
Sole, Albacore.....	38,875	37,146	46,160	34,272	982	7,262	6,632	5,316	289	7,613	11,128	21,719	218,266
Turbot.....				711	18	72	15						1,200
Whitefish.....					18	107	23						105
Miscellaneous Fish.....	68								90		52		367
Crustaceans:													
Crab.....	7,404	5,881	3,050	2,118	648	170	574	1,822			32,290	8,419	62,996
Shrimp.....	244	1,008	1,310	202		374	140		413	546	709	229	5,175
Mollusk:													
Abalone.....	11,925		10,034	18,720	33,450	5,413	37,244	47,088	30,247	8,847	9,147	6,263	218,878
Clam, Firm.....	424	699	779	714					489	733	568	531	4,377
Mussel.....										82	382	285	839
Ostrea.....	241	128	107	319	675	350	254	41	652	632	785	816	5,607
Squid.....				3,397,409	11,141,892	10,833,668	7,346,495	1,581,720	973,443	1,543,978	764,911	419,156	38,002,712
Grand totals:													
Monterey Region.....	14,423,335	646,208	202,408	3,962,140	11,647,889	11,986,382	9,763,670	14,280,284	26,813,762	13,477,690	4,021,904	12,385,897	123,111,509

DIVISION OF FISH AND GAME

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

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.....					655	760	2,850	333	270	100			4,998
Barracuda.....	2,167			351	10		15	565	105				3,724
Calico Pacific.....	1,083	78		64	248	59	31	42	427	325	1,743		8,685
Halibut, California.....	6,721	85,065	25,000	21,146	13,267	22,709	31,779	41,173	47,706	46,805	51,706	45,723	497,793
Kingfish.....		1,063	227	210	177		49	1,123	843	6,947	797	183	209
Macarel, Pacific.....									1,198	2,543	2,573		9,020
Porch.....	630	803	559	297		8	242	816	600	188	1,036		546
Pompano, California.....													80
Rock Bass.....	811	1,377	881	112	374	7,874	4,375	4,737	787	80	284	842	22,540
Rockfish.....	7,342	15,386	20,298	12,415	10,874	3,918	2,762	10,223	3,420		4,964	8,907	107,334
Salmón.....				1,183	862	42							2,190
Sand Dab.....								100	85	89	54		328
Sardine.....					56								176
Sculpin.....	105	280	147	8						374			1,029
Sea-bass, Black.....	330	323	25	180		62	40	28	284	187	226	308	2,298
Sea-bass, White.....	3,000	21,743	19,221	6,982	8,068	13,951	34,010	35,077	23,322	18,012	17,180	11,263	206,899
Shark.....	9,940	1,084	6,012	28,839	73,863	56,682	54,543	21,273	8,853	10,837	11,263	18,220	310,106
Sheepshead.....	21,460	18,366	3,866	6,863	794	89	2,062	591	113	620	4,761	18,855	81,453
Sole.....						134			124				288
Snell.....	742	1,555	110	1,013	778	879	3,136	65	113	14	631	57	9,113
Swordfish, Broadbill.....	17,501	22,750	19,654	23,641	37,961	21,311	28,106	11,210	17,513	10,920	5,346	11,181	227,194
Tuna, Albacore.....						432	1,897	62,522	56,501	20,028	2,316		144,770
Tuna, Bluefin.....				102		96	660	50,967	19,337	20,753	930		91,812
Tuna, Bonito.....	962							19,290	13				19,422
Tuna, Skipjack.....						110	105				1,291		3,744
Tuna, Yellowfin.....													123
Miscellaneous Fish.....	1,721	3,026	715	283	76			151		30			573
Whitefish, Ocean.....	335	900	882	1,420	3,878	1,846	10,993	1,691	2,682	2,093	428	401	6,670
Miscellaneous Fish.....													31,174
Crustacean:													
Crab.....		180		338							38		556
Loxster, Spiny.....	17,802	15,821	9,268							28,000	33,376	48,439	152,826
Mollusk:													
Abalone.....	48,135		89,358	171,575	306,623	75,596	312,996	180,346	173,272	177,820	24,760	182,400	1,802,881
Clam, Fanny.....	2,169	3,467	3,862	4,730	7,465	3,613	7,909	8,646	4,425	3,485	4,542	2,987	64,200
Oyster, Pacific.....	24	31	159	151									572
Oyster, Pacific.....	8,475	7,410	8,250	6,465	10,778	8,115	8,775	8,303	10,020	2,820	3,135	3,645	86,281
Squid.....													182
Grand totals.....	211,843	208,755	210,456	288,329	537,079	226,115	509,674	454,359	372,132	359,419	175,724	364,672	3,918,557

COMMERCIAL FISH CATCH OF CALIFORNIA
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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
Anchovy.....	111,252	8,885	10,876	53,176	45,115	18,467	73,074	67,698	192,245	188,844	284,180	430,320	1,404,242
Barracuda.....	39	5,254	64,201	111,252	170,985	172,579	228,218	122,403	10,913	3,461	7,483	6,994	1,081
Carps.....	17	78	12	275	990	682	514	649	.....	.....	345	.....	2,843
California Pacific.....	47	28	32	.....	138	.....	11	.....	.....	.....	.....	.....	1,644
Flounder, Starry.....	67	27	37	3	123	954	515	67	67	96	.....	.....	10
Forage Fish.....	.....	.....	.....	2,533	5,855	3,791	10,658	13,007	8,699	.....	.....	.....	41,295
Hallbut, California.....	206,398	173,291	141,897	71,297	28,077	24,969	7,545	6,192	12,739	32,045	28,255	27,377	737,457
Kingfish.....	10,669	15,182	23,480	27,525	12,287	62	9,278	8,822	3,953	5,566	10,281	.....	135,491
Macarell, Jack.....	899,458	776,150	11,218	3,789	7,681	59,292	4,603	44,453	1,020,527	529,028	1,488,894	3,115,579	7,031,625
Macarell, Pacific.....	2,027,487	572,188	294,769	143,047	386,689	132,735	118,603	336,197	11,022,155	8,471,722	10,850,325	17,246,813	51,702,719
Mullet.....	.....	4,612	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4,612
Perch.....	3,822	3,319	3,965	5,150	492	39	7,692	3,501	2,887	3,013	1,298	.....	49,310
Pompano, California.....	7,049	5,244	3,369	876	.....	.....	3,027	2,010	2,820	2,688	3,226	.....	41,941
Rock Bass.....	789	704	1,284	2,026	5,884	14,470	10,381	6,948	3,904	8,517	4,550	8,856	67,000
Rockfish.....	43,184	31,068	16,062	18,067	33,603	4,163	1,164	2,003	2,358	2,392	6,599	22,749	175,492
Subfish.....	3,058	2,067	575	2,228	189	922	1,096	86	96	983	772	3,112	14,015
Sand Dab.....	2,907	4,465	1,587	1,234	1,129	652	.....	45	48	541	288	814	13,509
Sardine.....	55,288,052	16,793,396	1,041,488	541,080	142,536	10,770	.....	61,523	543,030	171,319,698	92,324,909	85,927,005	423,962,067
Southern.....	8,956	10,071	9,349	25,709	12,154	1,299	18,084	12,494	1,413	2,382	1,347	.....	18,981
Sea-bass, Black.....	185	319	289	1,082	417	1,094	.....	1,382	10,903	1,754	483	.....	16,298
Sea-bass, White.....	184	2,202	1,682	3,724	14,187	18,397	48,229	28,765	6,398	6,522	2,565	1,464	128,194
Shark.....	22,278	20,096	11,931	94,954	73,198	47,746	46,040	69,466	44,793	41,629	20,452	28,082	510,295
Sheepshead.....	6,349	7,583	3,255	4,465	3,070	2,908	1,151	3,418	11,210	28,266	26,239	38,132	135,113
Sole.....	1,673	2,171	2,629	2,639	1,498	8	.....	290	2,546	1,983	2,394	.....	17,351
Smelt.....	29,438	8,746	8,151	9,195	4,972	83	11,534	8,020	6,371	26,107	8,883	9,214	130,578
Sub.....	1,048	357	650	2,869	121	156	6	99	46	616	34	167	6,983
Sucker.....	.....	.....	.....	.....	.....	.....	335	.....	.....	.....	.....	.....	335
Swordfish, Broadfin.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tuna, Albacore.....	.....	.....	.....	.....	385,638	1,456,292	1,822,267	638,387	751,574	64,295	97	.....	245,157
Tuna, Bluefin.....	.....	207,838	.....	211,281	1,914,836	5,119,830	2,969,470	2,766,443	1,673,321	9,190	29	.....	5,119,830
Tuna, Bonito.....	248	32	114	110	1,824	1,013	2,824	3,403	45,131	9,674	2,097	563	474,122
Tuna, Skipjack.....	.....	.....	.....	.....	.....	.....	.....	36,835	781,701	280,908	22,507	.....	1,130,122
Tuna, Yellowfin.....	.....	.....	.....	.....	.....	.....	.....	18,876	4,083	108	.....	.....	22,088
Whitefish, Ocean.....	2,599	2,851	4,435	5,481	3,155	96	.....	83	180	342	668	.....	21,483
Yellowtail.....	.....	48	175	78	61	107	253	2,453	339	151	109	.....	3,759
Miscellaneous Fish.....	3,254	2,995	2,943	3,091	1,687	1,390	882	946	10,955	12,738	1,459	880	43,711
Crustacean:													
Crab.....	371	247	489	100	.....	1,902	1,052	1,967	3,080	.....	727	759	11,041
Lobster, Spiny.....	12,004	13,233	3,919	.....	.....	.....	.....	149,872	.....	149,872	119,089	127,234	416,901
Mollusk:													
Abalone.....	3,184	.....	2,944	8,852	8,134	8,151	7,924	12,822	4,217	898	.....	2,716	59,142
Octopus.....	40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	241
Squid.....	775	13,700	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	21,485
Total pounds.....	59,205,639	18,689,163	1,668,346	1,356,782	2,873,177	6,032,659	5,013,572	5,319,868	10,045,570	181,686,943	104,771,660	107,000,800	510,194,239

DIVISION OF FISH AND GAME

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
Barracuda.....	65,068	73,789	140,703	1,650	1,241	60,888	83,904	58,575	65,112	64,451	148,604	91,111	888,162
Cabrilla.....	3,353	38,916	19,471	4,351	10,165	1,544	831	53	2,004	18,481	26,979	133,888	133,888
Grouper.....		8,852		3,242	19,957	274			73	244	2,410	19,840	45,303
Hallbut, California.....			22,049	23,549	25,708	40,644	45,746	50,975	3,169	13,159	24,803	39,883	289,875
Mackerel, Spanish.....	171					55			398	410	1,286	820	3,443
Rock Bass.....	250	11,737	4,522	815	1,206	858	150		1,941	474	2,878	2,062	26,061
Rockfish.....		1,010	167							17			1,299
Ses-tam, Black.....	4,363	7,361	4,677	7,348	270	8,501	4,684		47,073	44,336	28,280	37,236	214,528
Ses-tam, White.....		3,260		512	142	33	1,022		18,601	2,816	1,948	532	29,165
Shark.....		11	9704				245		1,602				2,445
Shoemaker.....		2,626	2,930	1,466	57		80			487	205		8,206
Swordfish, Brazilian.....						2,515	7,400						2,334
Tuna, Albacore.....						1,662	775,077	984,328	30,334	672	1,531	166	1,734,820
Tuna, Bluefin.....	642,302	256,790	497,353	247,411	62,255	360,981	2,379,628	891,733	70,363	465,339			6,163,655
Tuna, Bonito.....	7,390	22,251	2,400	1,481	245		10,592	1,268,312	890,109	412,243	146,268	211,466	2,051,837
Tuna, Skipjack.....	113,608	57,602	93,182	2,356,471	1,444,967	1,399,692	2,465,359	2,694,852	2,062,281	999,261	153,873	695,970	14,795,438
Tuna, Yellowfin.....	1,497,305	819,978	1,370,477	6,510,244	7,921,179	11,836,708	4,689,118	1,690,236	1,706,831	1,242,731	478,923	3,034,199	42,707,619
Wahine, Ocean.....		5,945	892	4,433	316					242			863
Yellowtail.....	90,725	278,241	62,694	394,683	127,393	357,627	448,534	574,050	66,538	40,630	34,064	26,274	2,436,965
Miscellaneous Fish.....		26		540		28	389		512		86		1,969
Crustacean:													
Lobster, Spiny.....										1,531	50,554	74,006	126,121
Total pounds.....	2,307,114	1,862,376	2,221,281	9,527,832	9,615,209	14,538,888	18,947,834	8,131,162	4,968,622	3,261,163	1,087,422	4,257,922	72,651,854

COMMERCIAL FISH CATCH OF CALIFORNIA

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.....	10,253		1,253			6,010			91,339				169,862
Tuna, Yellowfin.....	13,795					7,974			163,135				184,904
Mollusk:													
Clam, Pismo.....	1,600,089	1,360,080	804,176	34,120	158,896	1,322,808	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		5,398	10,267,892
Grand total, Los Angeles Region.....	63,136,881	21,911,615	4,924,916	10,918,734	12,647,372	21,068,339	18,400,726	15,049,182	21,742,940	188,200,006	106,859,682	111,294,180	563,113,985

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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
Anchovy.....								165	250				415
Barracuda.....		788	58	59,855	188,913	386,619	58,373	37,383	1,070	764	1,857	2,377	783,027
Calico Pacific.....	256	35	113	282	366			976					2,025
Hallibut, California.....	23,729	12,610	11,195	60,757	1,708	1,931	2,454	3,590	1,824	33,635	20,477	20,569	203,509
Herring, Pacific.....													770
Kingfish.....	507	100		121			922	100		256	1,265		880
Mackerel, Pacific.....	1,073	85		8,338	26,085	94,712	22,294	19,967	1,841	20,040	37,637		232,364
Mullet.....	11,967	14,580	18,514	8,634	17,373	4,850		1,156					2,609
Perch.....								150					100
Tompana, California.....												104	104
Rock Bass.....	524	2,026	1,649	2,754	1,750	6,539	12,891	7,009	3,882	10,009	4,435	3,373	56,838
Rockfish.....	2,083	919	783	464	1,298	133	370	8	3,396	6,873	785	4,421	19,211
Sardine.....	2,247	6,578	7,375	9,568	1,688	89	130	153	3,357	2,343,128	4,213,667	2,062,901	8,223,425
Sculpin.....								46	790	2,667	1,056		2,069
Sea-bass, Black.....		40	639	108	160	217	101	504	2,391	600	1,042	159	5,661
Sea-bass, White.....				1,156	2,377	51,211	2,142	6,891	2,770	1,965	588	194	49,354
Shark.....	8,763	1,957	3,664	30,307	7,391	16,742	9,585	9,800	6,558	19,817	13,393	17,465	144,572
Sheepshead.....	1,666	2,645	433	87	635	821	54	156	144	6,688	5,163	6,124	24,466
Sole.....			107	188									295
Swordfish, Broadbill.....						310	3,209	10,570	85,874	31,547	491		132,001
Tuna, Albacore.....					29,421	2,382,996	77,056	180,463	122,250	27,007	92		3,572,996
Tuna, Bluefin.....					162,150	578,333	168,713	374,956	1,723	763	1,298		1,276,013
Tuna, Bonito.....	5,886	2,869		19	782	2,547	1,177	25,014	17,753	25,383	2,412		1,415
Tuna, Skipjack.....	80						87,554	352,706	107,792	36,879	1,644		616,815
Tuna, Yellowfin.....								8,286	85				8,371
Whitefish, Ocean.....		565										804	338
Yellowtail.....	107	691	2,681		2,526	10,786	5,731	2,450	1,649	375			27,529
Miscellaneous Fish.....	64		164	75	30	46			307	244	30		964
Crustacean:													
Lobster, Spiny.....	7,085	7,082	1,586							58,564	25,718	22,332	122,487
Total pounds.....	65,992	53,510	48,861	182,894	400,542	1,185,326	2,670,033	1,399,164	705,420	2,844,211	4,405,122	2,156,911	16,085,896

DIVISION OF FISH AND GAME

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
Barnacuda	12,366	85,097	114,076	32,853	10,054	2,732	160	5,878	192,413	91,801	19,163	15,823	562,218
Calappa		18,922	41,243	21,011	3,081	19,968			6,124	2,437	13,494	2,744	127,891
Grouper		3,716	12,879	27,180	41,683	7,372			8,011	1,979	6,961	1,683	112,611
Haddock, California	6,923	99,974	81,152		15,372	72,942	68,194		53,819	60,274	15,536	6,680	492,082
Mackerel, Spanish		65			297	173			303	22	913		2,947
Perch													299
Rock Bass	3,124	3,446	3,333	3,983	888	5,388			1,269	1,876	3,968	4,977	1,617
Rockfish	5,498	7,471	4,854	6,615	19,168	1,958	50		1,242		1,262	3,691	33,273
Sculpin													363
Sea-bass, Black	2,427	23,080	13,552	6,720	6,333	11,816	2,213	2,391	43,848	36,462	12,644	30,012	191,998
Sea-bass, White					36	326	12,508	35,437	19,797	42,790	296	2,691	115,197
Shark				9,300			1,092		107	40	1,062		1,758
Sheepshead	354	1,314	4,963		299	1,381	892	695	224	4,374		3,043	662
Swordfish, Broadtail						127	23,016	149,491	38,111	14,116			234,861
Tuna, Albacore						7,215	3,476,770	3,378,897	279,759	33,367	789		7,167,827
Tuna, Bluefin				34,789	32,109	7,886	246,600	2,629	74	792			358,864
Tuna, Bonito	64,335	74,446	47,346	8,369	15,897	20,900	566	30,682	285,018	335,279	438,633	767,433	2,690,883
Tuna, Skipjack	291,074	505,129	522,186	579,208	1,172,069	2,328,945	2,626,867	3,091,634	6,348,183	4,497,545	1,028,291	1,530,146	34,234,980
Tuna, Yellowfin	5,099,704	4,082,031	4,634,566	6,235,117	7,857,861	11,349,497	7,141,543	2,209,472	5,286,365	7,835,638	6,064,661	14,695,340	83,688,116
Whitefish, Ocean	2,236	2,239	4,223	342	918	836	876	559	651	1,322			533
Yellowtail	70,022	744,910	136,458	37,161	78,782	67,120	100,050	133,285	116,365	326,590	147,984	141,662	2,069,605
Miscellaneous Fish				25		150	313	336	35	210			979
Continous													
Lobster, Spiny	195,442	142,945	254,928	9,425						48,291	201,014	248,501	1,069,646
Total pounds	5,734,527	5,791,902	5,907,041	7,016,153	9,256,821	13,906,995	13,088,586	9,065,156	12,651,177	13,328,400	8,692,865	17,520,743	122,801,549

COMMERCIAL FISH CATCH OF CALIFORNIA

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
Tuna, Skipjack.....	41,605												41,605
Tuna, Yellowfin.....	397,865												397,865
Mollusk: Clam, Pismo.....										484,896	626,392	618,520	1,729,808
Total pounds.....	439,470									484,896	626,392	618,520	2,169,273
Grand totals, San Diego Region.....	6,230,989	5,845,472	5,855,002	7,198,957	9,660,363	15,092,221	16,358,619	10,434,220	13,354,507	16,655,600	13,994,409	20,296,174	141,056,723

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