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**STATE OF CALIFORNIA DEPARTMENT OF FISH AND GAME
MARINE RESOURCES OPERATIONS
FISH BULLETIN No. 111
The Marine Fish Catch of California For the Year 1959**



BY
THE BIOSTATISTICAL SECTION
1960

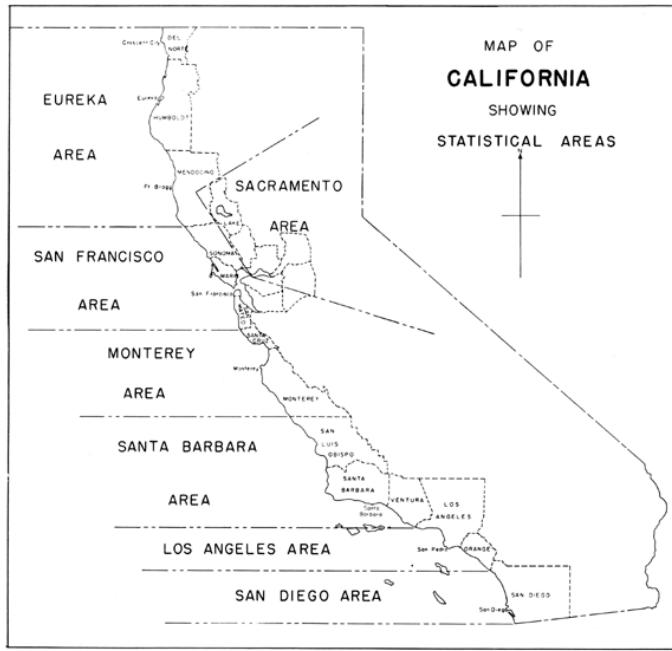


FIGURE 1

FIGURE 1

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FOREWORD

Catch Bulletins provide records of California's commercial fishery landings and their value to fishermen. This report for 1959 is the 19th in the series. Prior records have been published regularly beginning with those for 1926 and 1927.

Bulletin titles have varied slightly through the years, reflecting the increasing importance of marine species as fresh water catches dropped to insignificance. The first 15 bulletins, for the years 1926 through 1952, were entitled, "The Commercial Fish Catch of California" but since 1953 they have been entitled, "The Marine Fish Catch of California."

In recent years, a need has arisen for faster publication of catch statistics. Consequently, figures will henceforth be published annually instead of biennially.

The statistical system and methods used to collect the records were fully described in Fish Bulletin 86, which reported the catch for 1950. In the intervening 10 years, methods and equipment have been modified to accelerate production but the basic principles have remained unchanged.

California's commercial fishery records system is based on complete enumeration of the catch. Each fish dealer makes a quadruplicate record of every catch he receives from fishermen and one of these is promptly sent to the Department of Fish and Game. This insures greater accuracy than any known sampling plan. Within the department, many individuals expend considerable effort to insure completeness of basic records. Published figures are of national and international concern and are used by fisheries scientists, legislators, chambers of commerce, members of the fishing industry, educators and others.

Tabular arrangement in this edition follows the one devised by John E. Fitch, Marine Resources Editor, used in the preceding bulletin.—*James H. Ryan*

1. EXPLANATION OF TABLES

Twenty-one of the following 23 tables summarize in various ways the final 1959 records of fish, mollusks and crustaceans landed in California by the commercial fleet, and those recorded as imported for processing. Records of fish imported or transshipped into California from other states or countries are placed in two categories: those received for processing, and those destined for sale in a fresh state. Processing refers to canning, smoking, pickling or drying. A complete record is maintained on all fish imported for such uses. However, the law is less stringent for reporting fish imported for sale in a fresh state, and consequently, such records are incomplete.

In California, almost all varieties of fish and shellfish are landed in a round condition, with the exception of substantial amounts of salmon and minor amounts of others. However, condition of fish landed by fishermen and sold to dealers cannot always be determined. Thus, figures included in these tables are as reported, irrespective of condition. Exceptions are made for some varieties of shellfish reported by counts, cleaned weights or units of measurement other than pounds. In order to determine round weight for these, conversion factors have been established by sampling at delivery points. To be realistic, the factors are changed as necessary. Currently factors applied to the eight important mollusks and crustaceans are:

Abalone, red	50 lbs. per doz.
Abalone, pink	25 lbs. per doz.
Abalone, green	35 lbs. per doz.
Clams, Mexican Pismo	8 lbs. round wt. per 1 lb. cleaned wt.
Clams, Washington	7 lbs. per doz.
Crab, market	2 lbs. each
Oyster, eastern	30 lbs. per 100 oysters
Oyster, giant Pacific	50 lbs. per 100 oysters

The values for each variety have been computed from prices paid the fishermen. These are minimal values, less than wholesale, and do not reflect the costs of trucking, unloading, ice or other items which may be deducted from the basic prices paid. When an amount is unspecified, the average price paid for that variety in its area is used (Figure 1).

Some varieties are reported collectively when, for economic or other reasons, dealers are unable to provide a specific separation (Table 1). Thus, silver salmon and king salmon are combined as salmon because the price differential between them is largely based on size, irrespective of species.

In September 1957, legislation was enacted prohibiting gill net fishing in the Sacramento River upstream from Carquinez Strait, near Vallejo. It was a conservation measure designed to protect declining spawning stocks of valuable salmon and striped bass. Salmon and shad had formerly composed the most important landings in the area, and

fishing for both was eliminated. By this action, the Sacramento Statistical Area was reduced to insignificance. Subsequently, landings there of all remaining species have been combined with those of the San Francisco Area—a procedure that will be continued as long as the Sacramento Area totals remain at their present magnitude.

Overall trends in the catch from 1916 through 1959 have been shown in Table 2 and Figure 2. Ranked pounds and values for 1959, along with reprinted 1958 figures for comparison, comprise Table 3. A similar comparison of 1958 and 1959, has been made for fishermen's areas of residence (Table 4) and for lengths of fishing boats (Table 5).

Poundages for 1959 are recorded by species and area in Tables 6–14. Values appear in Tables 15–21.

Catches made by marine party boat sport fishermen for the 10-year period through 1959 have been summarized in Table 22. Pounds of live bait used by marine sportsmen in 1959 have been listed in Table 23.

TABLE 1
Common and Scientific Names of Fishes, Crustaceans, and Mollusks in the
1959 Commercial Catch

Common name	Scientific name	Common name	Scientific name
FISHES			
Anchovy	<i>Engraulis mordax</i>	Shad	<i>Alosa sapidissima</i>
Barrauda, California	<i>Sphyraena argentea</i>	Shark	<i>Cetorhinus maximus</i>
Bonito	<i>Sarda chiliensis</i>	Basking	<i>Iurus glaucus</i>
Cabezon	<i>Scorpaenichthys marmoratus</i>	Bonito	<i>Squalus acanthias</i>
Cabilla	<i>Epinephelus analoanus</i>	Dogfish	<i>Triakis semifasciata</i>
Carp	<i>Cyprinus carpio</i>	Leopard	<i>Galeorhinus zypperus</i>
Croaker, white ¹	<i>Genyonemus lineatus</i>	Soupfin	<i>Alopis vulpinus</i>
Dolphinfish	<i>Coryphaena hippurus</i>	Thresher	<i>Varying amounts of others</i>
False		Sheep-head	<i>Pimelometopon pulchrum</i>
California moray	<i>Gymnothorax mordax</i>	Sierra	<i>Scomberomorus sierra</i>
Monkface-eel	<i>Cebidichthys violaceus</i>	Skate	
Rock-eel	<i>Xiphister mucosus</i>	Big	<i>Raja binoculata</i>
Flounder		California	<i>Raja inornata</i>
Starry flounder	<i>Platichthys stellatus</i>	Longnose	<i>Raja rhina</i>
Small amounts of other flatfishes		Smelt	
Flyingfish	<i>Cypselurus californicus</i>	Grunion	<i>Leuresthes tenuis</i>
Grouper	<i>Mycloperca species</i>	Jacksmelt	<i>Atherinopsis californiensis</i>
Hake	<i>Merluccius productus</i>	Surf	<i>Hypomesus pretiosus</i>
Halibut, arrowtooth	<i>Medialuna californiensis</i>	Topsmelt	<i>Atherinops affinis</i>
Halibut, California	<i>Atheresthes stomias</i>	Sole	
Halibut, Pacific	<i>Paralichthys californicus</i>	Dover	<i>Microtomus pacificus</i>
Hardhead	<i>Hippoglossus stenolepis</i>	English	<i>Parophrys vetulus</i>
Sacramento black-fish	<i>Orthodon microlepidotus</i>	Petrale	<i>Eopsetta jordani</i>
Hardhead	<i>Mylopharodon conocephalus</i>	Rex	<i>Glyptocephalus zachirus</i>
Herring, Pacific	<i>Clupea pallasi</i>	Sand	<i>Psettichthys melanostictus</i>
Lingcod	<i>Ophiodon elongatus</i>	Varying amounts of others	
Mackerel, jack	<i>Trachurus symmetricus</i>	Splittail	<i>Pogonichthys macrolepidotus</i>
Mackerel, Pacific	<i>Pneumatophorus diego</i>	Sturgeon	<i>Acipenser species</i>
Muleye	<i>Girella nigricans</i>	Swallowfish	<i>Xiphas gladius</i>
Percy	Members of family Embiotocidae	Tuna	
Pompano, California	<i>Pomadasys similisima</i>	Albacore	<i>Thunnus germo</i>
Rockhass		Bigeye	<i>Parathunnus sibi</i>
Kelp bass	<i>Paralabrax clathratus</i>	Bluefin	<i>Thunnus saliens²</i>
Sand bass	<i>Paralabrax nebulifer</i>	Skipjack	<i>Katsuwonus pelamis</i>
Rockfish	All species of <i>Sebastodes</i> and <i>Sebastolobus</i>	Yellowfin	<i>Neothunnus macrourus</i>
Sablefish	<i>Anoplopoma fimbria</i>	Turbot	
Salmon		Curlfin	<i>Pleuronichthys decurrens</i>
King	<i>Oncorhynchus tshawytscha</i>	Diamond	<i>Hypsopsetta guttulata</i>
Silver	<i>Oncorhynchus kisutch</i>	Hornyhead	<i>Pleuronichthys verticalis</i>
Sockeye	<i>Oncorhynchus nerka</i>	Small amounts of others	
Sardine	<i>Sardinops caerulea</i>	Wahoo	<i>Acanthocybium solandri</i>
Sargo, California	<i>Anisotremus davidsoni</i>	Whitebait	<i>Allosmerus elongatus</i>
Sculpin	<i>Scorpaena guttata</i>		<i>Sprinchnus starksii</i>
Sculpin, staghorn	<i>Lepidotrigla armata</i>	Young of several others	
Sea bass, black	<i>Stereolepis gigas</i>	Whitefish, ocean	<i>Caulolatilus princeps</i>
Seabass, white	<i>Cynoscion nobilis</i>	Yellowtail	<i>Seriola dorsalis</i>
Seatrout, greenling	<i>Hexagrammos decagrammus</i>		
CRUSTACEANS			
Crab	<i>Cancer magister</i>	Shrimp, bay	<i>Crago franciscorum</i>
Crab, rock	<i>Cancer productus</i>	Shrimp, ocean	<i>Crago nigricauda</i>
	<i>Cancer antennarius</i>	Small amounts of others	<i>Pandalus jordani</i>
Lobster, spiny	<i>Panulirus interruptus</i>		
MOLLUSKS			
Abalone	<i>Haliotis corrugata</i>	Octopus	<i>Octopus appollon</i>
Pink	<i>Haliotis rufescens</i>	Oyster	
Red	<i>Haliotis fulgens</i>	Eastern	<i>Crassostrea virginica</i>
Green	<i>Haliotis sorenseni</i>	Giant Pacific	<i>Crassostrea gigas</i>
White		Native	<i>Ostrea lurida</i>
Clam		Squid	<i>Loligo opalescens</i>
Gaper	<i>Schizothorax nuttalli</i>		
Jackknife	<i>Tagelus californianus</i>		
Pismo	<i>Tivela stultorum</i>		
Washington	<i>Saxidomus nuttalli</i>		

¹Includes small amounts of queenfish *Seriphus politus*.²Atlantic bluefin *Thunnus thynnus* sometimes is shipped into California. "Atlantic" has been designated in the tables when shipments are separated.

TABLE 1
Common and Scientific Names of Fishes, Crustaceans, and Mollusks in the 1959 Commercial Catch

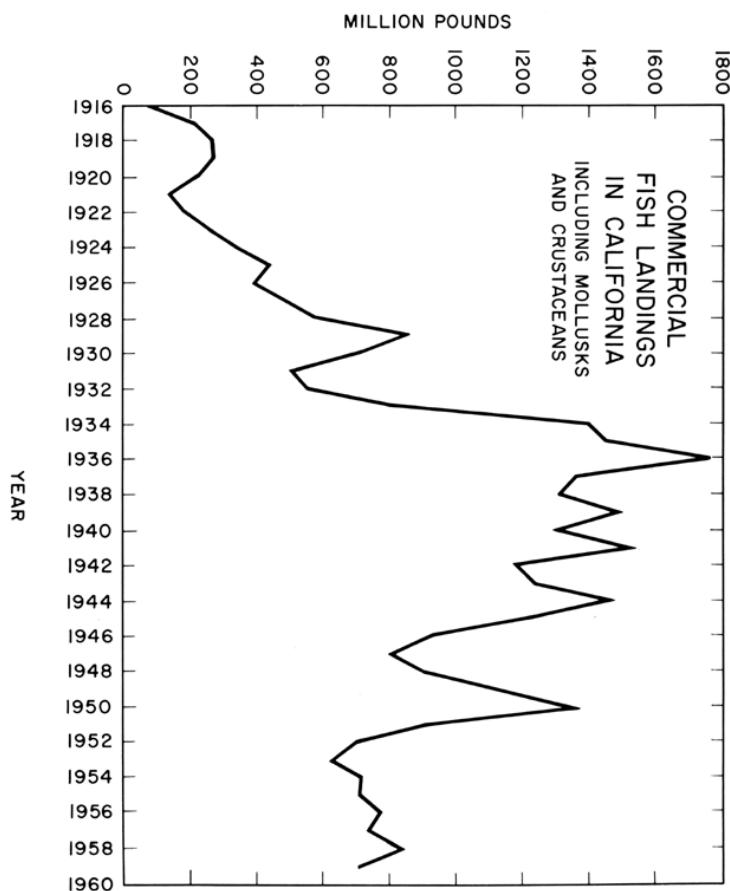


FIGURE 2. Total annual landings and shipments into California. Includes sardine deliveries to reduction ships 1930-38. See Table 2.

FIGURE 2. Total annual landings and shipments into California. Includes sardine deliveries to reduction ships 1930-38. See Table 2.

TABLE 2

Total Annual Landings and Shipments Into California of Commercial Fish, Mollusks, and Crustaceans, Includes Sardine Deliveries to Reduction Ships During 1930 Through 1938

Year	Thousands of pounds	Year	Thousands of pounds
1916.....	95,003	1941.....	1,529,148
1917.....	209,877	1942.....	1,173,414
1918.....	261,134	1943.....	1,234,049
1919.....	266,270	1944.....	1,459,446
1920.....	222,004	1945.....	1,216,467
1921.....	135,348	1946.....	919,850
1922.....	182,343	1947.....	795,499
1923.....	253,875	1948.....	900,540
1924.....	340,446	1949.....	1,135,325
1925.....	437,502	1950.....	1,366,596
1926.....	394,964	1951.....	904,088
1927.....	487,166	1952.....	694,977
1928.....	583,527	1953.....	618,899
1929.....	856,854	1954.....	713,406
1930.....	702,189	1955.....	710,714
1931.....	502,390	1956.....	772,549
1932.....	556,139	1957.....	738,550
1933.....	821,805	1958.....	832,919
1934.....	1,390,799	1959.....	713,491
1935.....	1,448,017		
1936.....	1,764,900		
1937.....	1,362,984		
1938.....	1,310,596		
1939.....	1,486,535		
1940.....	1,297,517		

TABLE 2

Total Annual Landings and Shipments Into California of Commercial Fish, Mollusks, and Crustaceans, Includes Sardine Deliveries to Reduction Ships During 1930 Through 1938

TABLE 3

Landings and Shipments of Leading Species Ranked by Pounds and Value

Species	1958			1959			DEPARTMENT OF FISH AND GAME	
	Thousands of pounds	Rank	Thousands of dollars	Rank	Thousands of pounds	Rank		
Yellowfin tuna.....	218,075	1	\$29,725	1	Yellowfin tuna.....	210,992	1	\$27,662
Sardines.....	200,449	2	21,159	2	Sardines.....	141,770	2	15,474
Skipjack.....	148,158	3	17,034	2	Sardines.....	73,395	3	8,475
Alaçore.....	51,673	4	9,946	3	Alaçore.....	62,482	4	11,383
Blueline mackerel.....	31,249	5	4,097	—	Blueline mackerel.....	37,662	5	9,935
Pacific mackerel.....	27,448	6	672	10	Jack mackerel.....	37,561	6	897
Jack mackerel.....	23,096	7	531	11	Squid.....	14,853	7	352
Rockfish.....	17,842	8	794	8	Market crab.....	17,262	8	2,575
Market crab.....	17,723	9	2,901	—	Market crab.....	14,849	9	1,846
Anchovy.....	11,993	10	150	19	Rockfish.....	13,281	10	710
Giant Pacific oyster.....	9,599	11	225	17	Giant Pacific oyster.....	12,756	11	305
Dover sole.....	8,053	12	421	13	Dover sole.....	7,327	12	394
Squid.....	5,157	13	141	14	Anchovy.....	7,174	13	100
Bonito.....	5,538	14	217	18	Anchovy.....	5,134	14	3,000
Bigeye tuna.....	5,392	15	737	9	English sole.....	4,617	15	312
English sole.....	5,150	16	348	15	Alabalone.....	4,562	16	497
Alabalone.....	4,221	17	422	12	White seabass.....	3,423	17	463
Nahow.....	4,122	18	1,029	13	Alabalone.....	3,423	18	19
Petrale sole.....	3,158	19	331	16	Petrale sole.....	2,652	19	280
White seabass.....	2,839	20	396	14	Seahorse.....	2,239	20	118
All others.....	21,111	1,927	—	—	All others.....	20,088	2,003	—
Totals.....	832,919		\$77,550	Totals.....	718,461		\$71,109	

TABLE 3
Landings and Shipments of Leading Species Ranked by Pounds and Value

TABLE 4
Licensed Commercial Fishermen

Area of residence	Number of fishermen by season ¹	
	1958-1959	1959-1960
Eureka.....	922	936
Sacramento.....	115	111
San Francisco.....	1,069	1,154
Monterey.....	777	727
Santa Barbara.....	535	534
Los Angeles.....	2,517	2,271
San Diego.....	2,122	1,592
Alaska, Washington and Oregon fishermen licensed in California.....	486	555
Mexican nationals licensed in California.....	16	24
Other registry.....	11	25
Totals.....	8,570	7,929

¹ The season is from April 1 to March 31.

TABLE 4
Licensed Commercial Fishermen

TABLE 5

Number of Fishing Boats by Length

Season ¹	Up to 24 feet	25 to 39 feet	40 to 64 feet	65 to 84 feet	85 to 99 feet	100 feet and over	Total
1958-1959.....	731	1,729	1,060	147	59	113	3,839 ²
1959-1960.....	631	1,698	1,054	139	47	103	3,672 ³

¹ The season is from April 1 to March 31.

² The owners of 586 boats were issued fishing party licenses in 1958-59.

³ The owners of 569 boats were issued fishing party licenses in 1959-60.

TABLE 5
Number of Fishing Boats by Length

TABLE 6
Origin of Shipments of Fresh Fish Into California During 1959

Shipped from:	Species	Pounds shipped to each area				Total pounds
		Eureka	San Francisco	Los Angeles	San Diego	
Continental United States:						
Salmon.....	---	---	36,627	---	36,627	
Sturgeon.....	---	4,266	---	---	4,266	
Tuna, bluefin (Atlantic).....	32,610	---	---	---	32,610	
Miscellaneous fish.....	---	69,428	---	---	69,428	
Oregon, Washington, Canada and Alaska:						
Sablefish.....	4,612	---	301,041	---	301,041	
Salmon.....	---	74,750	---	---	79,262	
Sturgeon.....	---	25,415	---	---	25,415	
Tuna, albacore.....	---	936,462	---	---	936,462	
Miscellaneous fish.....	---	88,890	---	---	88,890	
Mexico and Central America:						
Tuna, albacore.....	84,303	1,511,741	---	---	1,596,044	
Tuna, bluefin.....	---	447,654	---	---	447,654	
Tuna, skipjack.....	---	2,381,222	452,885	---	2,834,107	
Tuna, yellowfin.....	1,369,942	17,881,394	1,246,137	---	20,497,473	
Miscellaneous fish.....	---	---	175	---	175	
Mollusk:						
Clam, Pismo.....	---	700,560	---	---	700,560	
South America:						
Swordfish.....	---	16,058	---	---	16,058	
Tuna, albacore.....	---	34,028	---	---	34,028	
Tuna, skipjack.....	---	29,611,936	12,737,496	42,349,432	42,349,432	
Tuna, yellowfin.....	---	8,956,289	3,332,909	12,289,198	12,289,198	
Trinidad:						
Tuna, yellowfin.....	---	308,883	---	---	308,883	
Japan:						
Tuna, albacore.....	3,380,560	21,588,182	2,120,306	27,089,048		
Tuna, bigeye.....	40,000	688,649	1,483,000	2,211,649		
Tuna, skipjack.....	342,320	2,163,372	39,303	2,544,995		
Tuna, yellowfin.....	15,446,132	48,235,441	4,687,691	68,369,264		
Australia:						
Tuna, bluefin.....	---	52,890	21,584	---	74,474	
China: (Formosa)						
Tuna, albacore.....	86,400	---	---	86,400		
Tuna, yellowfin.....	1,048,660	108,733	---	---	1,157,393	
Total pounds.....	4,512	21,883,817	136,192,605	26,099,902	184,180,836	

TABLE 6
Origin of Shipments of Fresh Fish Into California During 1959

TABLE 7
Origin of Commercial Fish Landings and Shipments Into California During 1959

Species	Landings from				Shipments ¹	Grand total
	California waters	Waters north of State	Waters south of State	Total pounds		
Fish:						
Anchovy.....	7,173,739	-----	-----	7,173,739	-----	7,173,739
Barracuda, California.....	1,110,409	-----	42,192	1,152,601	-----	1,152,601
Bonito.....	3,003,058	-----	8,558	3,011,616	-----	3,011,616
Cabezon.....	9,488	-----	-----	9,488	9,488	9,488
Cabrilla.....	-----	-----	4,762	4,762	-----	4,762
Carp.....	466,748	-----	-----	466,748	-----	466,748
Croaker, white.....	1,534,382	-----	-----	1,534,382	-----	1,534,382
Eel.....	503	-----	-----	503	-----	503
Flounder.....	1,004,684	42,242	-----	1,046,926	-----	1,046,926
Flyingfish.....	29,889	-----	-----	29,889	-----	29,889
Grouper.....	-----	-----	285,932	285,932	-----	285,932
Hake.....	1,041,231	55,838	-----	1,097,069	-----	1,097,069
Halfmoon.....	3,628	-----	-----	3,628	-----	3,628
Halibut, arrowtooth.....	746,393	40,861	-----	787,254	-----	787,254
Halibut, California.....	345,286	-----	8,956	354,242	-----	354,242
Halibut, Pacific.....	7,960	385	-----	8,345	-----	8,345
Hardhead.....	52,684	-----	-----	52,684	-----	52,684
Herring, Pacific.....	1,726,966	-----	-----	1,726,966	-----	1,726,966
Lingcod.....	1,357,191	49,106	-----	1,406,297	-----	1,406,297
Mackerel, jack.....	37,507,227	-----	-----	37,507,227	-----	37,507,227
Mackerel, Pacific.....	37,602,134	-----	-----	37,602,134	-----	37,602,134
Opahye.....	4,861	-----	-----	4,861	-----	4,861
Perch.....	212,851	-----	-----	212,851	-----	212,851
Pompano, California.....	35,724	-----	-----	35,724	-----	35,724
Rock bass.....	-----	-----	210	210	-----	210
Rockfish.....	14,901,799	323,642	55,841	15,281,282	-----	15,281,282
Sablefish.....	1,895,970	42,386	-----	1,938,356	301,041	2,239,397
Salmon.....	6,769,057	105	-----	6,769,161	115,889	6,885,051
Sanddab.....	463,035	3,649	-----	466,684	-----	466,684
Sardine.....	74,366,856	-----	-----	74,366,856	-----	74,366,856
Seulpin.....	37,342	-----	-----	37,342	-----	37,342
Seulpin, staghorn.....	444	-----	-----	444	-----	444
Sea bass, black.....	10,085	-----	239,824	249,909	-----	249,909
Seabass, white.....	3,355,791	-----	37,562	3,423,353	-----	3,423,353
Shark.....	587,118	-----	15,073	602,191	-----	602,191
Sheep-head.....	8,749	-----	1,484	10,233	-----	10,233
Sierra.....	240,631	170	-----	2,214	-----	2,214
Skate.....	2,401,407	231,022	-----	240,801	-----	240,801
Smelt.....	551,800	-----	145	551,945	-----	551,945
Sole, Dover.....	6,137,067	1,189,753	-----	7,327,420	-----	7,327,420
Sole, English.....	4,468,884	148,607	-----	4,617,491	-----	4,617,491
Sole, petrale.....	2,401,407	231,022	-----	2,632,429	-----	2,632,429
Sole, rex.....	1,394,882	48,123	-----	1,443,005	-----	1,443,005
Sole, sand.....	95,322	443	-----	95,765	-----	95,765
Sole, miscellaneous.....	21,047	150	-----	21,197	-----	21,197
Splittail.....	1,074	-----	-----	1,074	-----	1,074
Sturgeon.....	-----	-----	174	448,220	-----	448,220
Swordfish.....	448,046	-----	-----	32,740,464	29,741,982	62,482,446
Tuna, albacore.....	32,522,331	218,133	-----	-----	2,211,649	2,211,649
Tuna, bigeye.....	-----	-----	-----	-----	-----	-----
Tuna, bluefin.....	13,126,174	-----	2,169,236	15,295,410	522,128	15,817,538
Tuna, bluefin (Atlantic).....	-----	-----	-----	-----	32,610	32,610
Tuna, skipjack.....	1,380,857	-----	97,100,450	98,481,407	47,728,534	146,209,941
Tuna, yellowfin.....	81,676	-----	108,288,171	108,369,847	102,622,211	210,992,058
Turbot.....	129,225	-----	-----	129,225	-----	129,225
Wahoo.....	-----	-----	13,928	13,928	-----	13,928
Whitebait.....	274,408	-----	-----	274,408	-----	274,408
Whitefish, ocean.....	627	-----	692	1,319	-----	1,319
Yellowtail.....	207,187	-----	24,097	231,284	-----	231,284
Miscellaneous fish.....	4,873	-----	89	4,962	158,493	163,455

TABLE 7
Origin of Commercial Fish Landings and Shipments Into California During 1959

TABLE 7—Continued
Origin of Commercial Fish Landings and Shipments Into California During 1959

Species	Landings from				Shipments ¹	Grand total
	California waters	Waters north of State	Waters south of State	Total pounds		
Crustacean:						
Crab, market.....	17,262,261	----	----	17,262,261	----	17,262,261
Crab, rock.....	129,534	----	129,534	----	----	129,534
Lobster, spiny.....	506,066	139	506,205	506,205	506,205	506,205
Shrimp, bay.....	35,011	----	35,011	35,011	35,011	35,011
Shrimp, ocean.....	1,785,228	----	1,785,228	1,785,228	----	1,785,228
Mollusk:						
Abalone.....	4,561,827	----	4,561,827	4,561,827	----	4,561,827
Clam, gaper.....	726	726	726	726	726	726
Clam, geoduck.....	9,336	9,336	9,336	9,336	9,336	9,336
Clam, Pismo.....	----	----	700,590	700,590	700,590	700,590
Clam, Washington.....	2,876	2,876	2,876	2,876	2,876	2,876
Octopus.....	2,627	46	2,673	2,673	2,673	2,673
Oyster, eastern.....	8,733	8,733	8,733	8,733	8,733	8,733
Oyster, giant Pacific.....	13,759,192	13,759,192	13,759,192	13,759,192	13,759,192	13,759,192
Oyster, native.....	7,580	7,580	7,580	7,580	7,580	7,580
Squid.....	19,653,013	19,653,013	19,653,013	19,653,013	19,653,013	19,653,013
Miscellaneous mollusk.....	614	614	614	614	614	614
Total pounds.....	318,616,124	2,394,661	208,299,729	529,310,514	184,180,838	713,491,350

¹ For origin of shipments refer to Table 6.

TABLE 7
Origin of Commercial Fish Landings and Shipments Into California During 1959

TABLE 8
Monthly Landings and Shipments Into California During 1959

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds	TIME OF FISH CATCH IN CALIFORNIA
LANDINGS:														
Fish:														
Anchovy.....	478,555	553,105	508,320	811,263	483,168	748,561	294,420	422,621	651,989	1,121,246	645,355	454,839	7,173,739	1152,601
Barracuda, California.....	12,788	27,928	73,335	335,803	310,435	123,989	78,657	53,201	32,255	66,475	21,266	10,440		
Bowfins.....	53,180	208,811	11,193	27,185	59,751	50,608	32,371	60,202	14,347	32,605	74,151	3,018,892		
Cabezon.....	352	819	1,242	417	1,161	1,298	1,898	158	692,191	191	328,071	1,316,748		
Cabrilla.....	2,067	315	1,905	—	—	—	—	—	158	290	619	883	9,488	4,762
Carp.....	93,269	117,518	32,824	54,490	21,255	29,311	22,480	16,878	23,262	25,233	15,363	14,665	466,748	
Crab, white.....	273,672	86,611	198,798	225,130	130,930	37,111	28,406	102,460	55,396	39,513	179,042	292,264	1,381,957	
Eel.....	—	—	—	—	200	103	200	—	—	—	21	—	603	
Flounder.....	27,820	19,402	56,455	67,275	30,118	60,111	55,783	75,514	67,341	314,927	252,215	19,983	1,049,926	
Flying fish.....	—	—	555	245	—	4,090	10,140	—	—	—	—	5,293		
Grouper.....	83,057	46,146	21,640	—	3,670	225	6,615	1,450	8,810	62,601	47,600	38,916	285,932	
Hake.....	4,308	10,139	3,730	111,521	129,339	156,788	106,769	109,697	269,550	120,091	55,673	19,010	1,097,069	
Hallibut.....	85	318	50	52	122	21	21	—	—	—	—	1,243	1,737	3,628
Hallibut, striped.....	2,290	10,426	105	54,230	130,923	130,927	76,722	127,323	93,230	86,117	42,111	25,254	785,247	
Hallibut, California.....	18,488	25,830	27,343	26,337	10,110	18,182	15,630	22,032	30,801	10,794	70,596	17,700	353,422	
Haddock, Pacific.....	2,125	12,440	8,265	3,291	1,900	1,157	1,115	292	41	67	—	—	3,345	
Hardhead.....	60,959	72,356	34,150	108,812	167,472	50,675	130	—	—	—	—	8,025	52,684	
Lingcod.....	25,189	48,731	75,553	101,946	190,071	153,202	226,760	174,871	153,772	138,165	116,415	51,823	1,726,969	
Mackerel, jack.....	157,188	386,342	3,151,735	2,521,381	2,911,775	6,533,699	398,702	170,941	2,030,981	6,694,446	8,899,384	3,651,659	37,507,227	
Mackerel, Pacific.....	920,277	133,137	1,719,611	2,636,461	722,540	857,771	4,291,052	2,670,859	4,799,937	9,074,919	5,766,320	3,106,283	37,602,134	
Opaeye.....	1,947	180	315	568	230	74	366	59	35	47	710	1,801		
Petrale.....	16,325	15,268	36,216	37,741	177	15,023	28,862	16,200	18,702	19,400	7,062	21,810	129,000	
Pompano, California.....	354	238	2,104	880	1,660	1,863	630	630	8,319	6,377	10,806	1,002	35,724	
Rock bass.....	110	—	100	—	—	—	—	—	—	—	—	—	210	
Solefish.....	969,078	1,588,627	1,627,399	1,418,573	1,188,479	1,206,397	1,584,136	1,221,496	1,179,730	1,159,449	1,303,064	1,086,749	15,281,292	
Sablefish.....	56,156	76,621	18,798	17,102	228	1,168	1,160	1,139,700	1,225,959	299,959	284,384	138,915	3,395,305	
Salmon.....	463	1,115	300,330	1,130,031	1,085,046	2,988,773	1,011,801	129,628	—	—	—	—	6,760,162	
Sardine.....	61,170	41,115	15,700	18,635	25,576	47,161	61,399	39,275	61,035	62,159	28,275	469,654		
Sardines.....	—	—	—	—	—	—	—	—	—	—	—	7,148,649	18,886,302	11,038,356
Scorpionfish.....	196	227	1,216	947	1,950	9,651	10,937	5,063	2,701	249	109	338	37,242	
Scorpion, staghorn.....	3,912	—	8,638	11,169	7,661	19,006	35,355	34,512	37,258	58,344	20,025	12,111	15,491	249,909
Seabass, black.....	192,633	159,537	171,607	35,757	38,329	190,573	1,417,569	567,391	178,117	144,248	26,285	107,467	3,153,333	
Seabass, white.....	28,706	32,206	53,513	46,374	64,068	59,222	46,487	19,471	53,570	69,019	52,277	602,191	1,1	

TABLE 8
Monthly Landings and Shipments Into California During 1959

TABLE 8—Continued

Monthly Landings and Shipments Into California During 1959

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS—Continued													
Fish—Continued													
Sheephead.....	1,766	267	356	422	196	550	38	15	1,310	1,964	2,176	678	10,233
Swordfish.....	214	2,000	222	55,752	43,686	7,531	11,467	10,240	10,220	15,123	16,624	11,512	2,214
Skate.....	15,424	15,372	21,584	20,378	55,732	43,686	7,531	11,467	10,240	10,220	15,123	16,624	218,801
Saint Peter.....	11,174	17,446	19,791	29,789	30,245	11,467	11,467	39,011	10,220	11,720	17,929	13,789	111,570
Sole, Dover.....	186,636	141,345	239,605	760,295	1,031,934	1,181,311	784,631	1,040,711	611,506	581,967	492,667	271,992	7,327,420
Sole, English.....	322,143	245,009	302,758	496,661	331,466	265,705	279,709	339,982	547,980	779,478	547,769	159,822	4,617,401
Sole, petrale.....	165,013	96,434	117,495	169,980	241,411	196,675	198,197	188,570	251,410	206,230	362,963	412,821	2,632,429
Sole, rex.....	87,074	112,537	132,299	114,837	100,479	98,164	144,147	139,129	142,170	149,196	102,365	1,416,525	1,416,525
Sole, sand.....	1,041	36,715	19,101	8,636	2,000	10,347	1,330	13,309	4,257	3,946	12,634	1,668	35,765
Sole, miscellaneous.....	2,116	5,063	1,914	460	1,527	3,187	3,569	528	422	233	848	1,330	21,197
Spittail.....	408	339	72	----	14,155	192,295	125,055	110,535	62,995	15	57	198	1,074
Swordfish.....	---	---	---	---	---	50,575	7,289,600	10,935,100	8,829,900	4,735,611	390,519	8,013	32,740,464
Tuna, albacore.....	25,696	205,395	56,081	4,065,681	265,092	408,033	4,787,574	4,327,190	1,129,850	1,253	795	15,265,410	15,265,410
Tuna, bluefin.....	7,873,227	6,028,425	4,066,879	9,296,688	5,511,016	14,548,388	11,893,201	1,581,408	9,196,961	4,837,318	3,428,317	98,451	98,451
Tuna, skipjack.....	11,146,509	11,149,499	16,659,599	13,713,515	9,050,537	12,170,915	6,704,092	5,853,563	1,068,327	3,674,986	6,302,652	12,494,521	108,583,853
Tuna, yellowfin.....	17,034	17,451	9,400	10,400	15,593	13,561	10,520	15,593	8,972	8,939	10,520	10,520	129,235
Turbot.....	2,474	420	6,583	5,082	3,055	4,055	995	1,674	2,393	2,002	1,785	1,785	13,928
Wahoo.....	9,111	26,183	28,355	40,180	71,152	71,051	23,767	4,051	222	200	200	400	27,119
Whitebait.....	125	125	125	125	100	100	100	100	100	200	200	1,319	1,319
Whiting, ocean.....	5,117	8,779	6,576	23,672	45,055	12,410	2,283	15,953	59,259	15,581	24,903	11,351	211,284
Yellowtail.....	385	1,241	63	318	1,201	1,065	213	89	49	15	254	76	4,962
Miscellaneous fish.....	---	---	---	---	---	---	---	---	---	---	---	---	---
Cephalopods:													
Crab, rock.....	4,000,461	3,388,754	2,516,464	2,263,127	928,577	103,032	12,231	4,406	5,272	2,229,006	1,819,966	17,262,261	17,262,261
Crab, rock.....	11,794	2,687	13,958	14,892	14,884	16,770	15,718	14,625	7,116	182,092	115,062	121,829	129,534
Lobster, spiny.....	72,717	32,663	21,466	1,980	4,730	9,535	3,249	---	30	566	566	566	566
Shrimp, ocean.....	346	345	346	346	4,890	847	845	845	845	200	200	200	35,091
Shrimp, ocean.....	-----	-----	-----	467,036	604,398	458,870	6,765	248,164	-----	-----	-----	-----	1,785,228
Octopus.....	234	192	1,648	556	102	22	281	230	230	230	230	230	230
Mollusks:													
Ahalone.....	248,311	---	163,600	535,431	404,019	410,892	461,334	458,398	426,501	501,553	555,339	390,449	4,561,827
Clam, bay.....	364	325	501	814	1,233	1,579	1,633	1,157	648	435	344	183	726
Clam, jackknife.....	234	192	1,648	556	102	22	281	230	230	230	230	230	9,539
Clam, Washington.....	170	601	529	532	325	56	281	230	230	230	230	230	2,376
Octopus.....	---	---	---	---	---	---	---	---	---	32	32	32	60

DEPARTMENT OF FISH AND GAME

TABLE 8
Monthly Landings and Shipments Into California During 1959

Oyster, eastern.....	1,363	1,111	605	242	706	1,018	479	584	1,236	716	619	8,732
Oyster, giant Pacific.....	1,411,733	1,469,305	1,060,103	1,152,363	1,245,330	337,540	283,325	409,944	1,966,211	1,397,711	1,731,660	1,594,810
Oyster, native.....	1,411,733	1,469,305	1,063	3,063	600	410	—	—	—	—	—	13,750,192
Squid.....	351,030	3,656,291	1,339,455	711,560	5,617,585	5,534,460	770,650	599,572	521,310	—	167,670	382,335
Miscellaneous mollusk.....	18	—	410	—	20	85	20	—	—	23	—	20
Total pounds.....	26,735,696	31,221,668	31,927,705	43,308,083	37,293,300	48,769,326	47,470,881	43,978,946	41,330,287	79,625,267	55,588,329	42,061,250
SHIPMENTS:												
Fish:												
Sardines.....	58,800	—	36,358	—	—	51,000	—	88,873	12,875	30,232	22,903	30,941
Salmon.....	40,627	39,236	6,206	13,669	—	—	—	139	2,201	1,872	—	11,880
Sturgeon.....	4,266	125	—	—	2,000	—	4,170	12,731	—	—	—	29,081
Tuna, albacore.....	1,790,120	3,762,150	5,097,746	4,170,263	1,968,615	1,180,676	933,228	2,606,383	398,780	2,311,243	3,388,669	2,127,570
Tuna, bigeye.....	120,400	320,000	356,000	367,000	274,000	39,000	—	568,893	—	137,190	38,199	2,211,609
Tuna, bluefin.....	—	—	—	—	—	—	42,991	—	279,532	127,000	—	522,128
Tuna, skipjack.....	2,740,319	3,390,483	2,124,896	2,082,920	3,074,252	3,570,150	3,701,150	6,921,216	5,250,063	4,686,085	4,036,355	47,245,154
Tuna, yellowfin.....	12,100,000	8,880,000	9,838,772	9,600,000	9,980,110	10,710,411	10,499,333	10,271,090	4,137,882	8,496,718	4,036,355	5,292,294
Miscellaneous fish.....	19,000	800	—	400	193	175	58,885	20,875	14,215	—	34,940	9,010
Muluk:												
Clam, Pismo.....	99,840	—	108,000	—	—	114,960	114,000	191,040	42,720	—	—	700,560
Total pounds.....	16,985,433	16,102,324	17,587,978	17,052,708	14,658,203	15,666,782	15,534,253	20,813,510	9,814,457	15,871,468	12,193,526	11,870,204
Grand total.....	43,721,099	47,526,792	52,515,682	60,360,791	51,951,503	64,436,108	63,005,144	64,792,456	51,174,724	92,496,735	67,776,855	53,931,460
												713,491,350

¹ For origin of shipments refer to Table 6.

TABLE 8—Cont'd.

TABLE 9
Monthly Landings and Shipments of Commercial Fish Into the Eureka Area During 1959

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM: California Waters:													
Fish:													
Bounder.....	21,494	5,183	5,596	33,667	3,179	4,748	50,904	57,900	57,611	296,140	208,146	7,600	752,247
Hake.....	4,808	9,942	2,788	107,147	118,927	132,722	99,324	97,732	261,645	103,862	82,154	7,165	1,000,246
Hallibut, rocktooth.....	490	1,341	15,730	43,963	114,888	129,577	68,457	105,944	86,216	85,427	42,736	3,094	694,863
Hake, Pacific.....	103,431	101,373	102,092	141	141	141	2,069
Herring, Pacific.....	6,601	30	120	120	120	811	7,562
Lingcod.....	4,181	4,169	9,170	40,556	67,521	80,649	104,979	111,054	90,258	79,455	56,695	12,347	661,034
Perch.....	3,507	5,252	17,267	15,219	149	10,882	22,530	10,465	11,711	10,327	1,940	109,249	1,940
Rubberfish.....	82,595	100,124	43,630	31,826	263,599	291,301	33,424	42,424	19,256	19,320	20,701	46,464	3,000,000
Sablefish.....	16,270	10,615	40,710	98,307	151,706	159,244	87,452	89,125	62,730	161,083	187,454	56,612	1,118,281
Salmon.....	105,411	632,223	545,969	287,670	206,204	71,342	1,851,819
Sanddab.....	3,857	2,807	8,744	10,528	9,212	16,031	23,463	27,330	13,584	27,845	17,059	7,279	167,739
Shad.....	210	30	10	910	31	221	105	105	1,087
Skate.....	300	100	2,845	44,618	32,280	900	318	81,312
Seer.....	24	373	1,450	5,674	11,000	9,460	20,000	22,184	2,627	210	73,002
Seal, Dungeness.....	50,079	7,403	54,151	439,676	194,141	90,000	69,453	578,541	321,969	513,469	338,519	157,263	5,926,515
Sole, English.....	123,138	98,832	160,035	377,976	253,504	163,580	101,599	221,140	412,286	628,901	375,901	45,436	2,267,381
Sole, petrale.....	92,554	22,761	44,405	59,425	63,084	59,417	55,233	57,428	101,371	73,914	50,324	75,856	1,041
Sole, rex.....	25,972	21,468	46,387	86,901	79,992	77,059	65,965	110,707	73,713	89,644	61,736	24,305	764,169
Sole, sand.....	25,288	25,388	428	102	80	127	55,856	1,010	712	31	31	31	8,842
Sole, miscellaneous.....	1,798	4,471	428	102	80	200	645	565	565	8,842
Tuna, albacore.....	296	475,113	3,873,276	216,887	18,630	4,584,502
Tuna, skipjack.....	1,189	1,109	1,037	2,135	113	1,517	2,117	1,56	180	1,155	3,802	1,155	156
Turbot.....	1,189	24,129	27,005	34,773	60,473	63,405	19,024	2,059	185	209,966	15,736
Miscellaneous fish.....	8,766	860	885	52	52	52	1,797
Crustacean:													
Crab, market.....	3,716,754	3,097,721	2,276,677	2,134,771	837,818	100,915	12,251	765,723	12,880,659
Crab, rock.....	161,855	597,034	456,516	6,765	248,161	80	1,770,684
Shrimp, ocean.....

TABLE 9
Monthly Landings and Shipments of Commercial Fish Into the Eureka Area During 1959

Mollusk:																				
Clam, gaper			726																	726
Clam, Washington	234	192	1,648	556	103	32	111	2,876	325	325	325	
Oyster, giant	23	125	39	42	65	32	
Oyster, giant Pacific	1,201,200	1,197,000	834,750	1,064,700	1,119,750	206,700	225,750	323,400	1,367,818	1,288,400	1,526,700	1,310,400	11,936,568	5,543	5,543	5,543	
Oyster, native	1,679	805	391	2,668	23	
Miscellaneous mollusk	410	
Total pounds	5,377,744	4,638,617	3,979,225	4,966,823	5,118,285	3,691,838	2,696,882	3,246,896	7,690,947	3,770,877	3,172,882	2,507,292	50,821,706	
Waters North of State:																				
Fish:																				
Flounder		11	125	1,324	22	488	258	1,775	3,572	33,382	1,315	12,242	
Hake	...	197	942	2,777	5,412	21,431	7,164	6,069	6,062	1,509	2,641	40,801	
Herring, arrowtooth	3,852	11,911	11,000	3,210	8,803	2,283	385	
Halibut, Pacific	324	61	
Lingcod	62	106	760	2,037	8,185	9,821	6,536	6,505	8,195	2,742	2,043	2,174	40,000	
Rockfish	28,987	41,261	24,583	14,043	29,715	27,700	25,200	25,411	43,901	17,533	27,229	18,389	323,642	
Salmon	3,691	6,347	9,036	6,009	2,251	4,769	1,031	5,118	6,074	42,286	105	
Sandlab	...	187	1,286	75	41	177	500	453	...	260	464	173	3,647	170	
Sole	198	
Sole, Dover	80,125	222,110	150,813	165,960	128,802	116,106	56,618	22,975	116,614	78,533	119,753	46	
Sole, English	26	891	10,769	11,428	21,274	11,452	7,056	4,111	27,733	29,462	19,412	4,993	148,607	
Sole, petrale	3,622	313	2,649	10,200	80,381	45,236	17,763	11,846	37,962	9,370	7,570	3,710	231,029	
Sole, sand	425	126	2,626	8,351	8,079	6,921	4,221	3,511	3,107	2,940	6,400	1,372	41,223	
Sole, sand	369	44	30	443	198	
Sole, miscellaneous	150	2,078	
Total Miscellaneous	
Mollusk:																				
Octopus	46	46	
Total pounds	32,720	45,005	136,500	282,650	331,974	336,255	203,213	198,031	189,354	91,017	221,535	117,261	2,183,606	
SHIPMENTS:																				
Fish:																				
Salmon	439	2,201	1,872	4,512	
Total pounds	439	2,201	1,872	4,512	
Grand total	5,410,464	4,681,712	4,115,725	5,249,173	5,490,259	4,027,791	2,894,532	3,447,128	7,852,173	3,861,894	3,394,417	2,624,556	53,009,824	

¹ For origin of shipments refer to Table 6.

TABLE 9
Monthly Landings and Shipments of Commercial Fish Into the Eureka Area During 1959

TABLE 10
Monthly Landings and Shipments of Commercial Fish Into the San Francisco Area During 1959¹

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM: California waters:													
Fish:													
Alewife.....	---	26	----	----	545	1,690	3,500	20,900	2,600	800	190	----	30,005
Cabazon.....	93,255	117,514	32,831	54,468	21,355	29,311	22,180	16,575	23,262	25,233	13,683	14,965	466,300
Carr.....	45	8	570	90	604	225	310	677	677	100	100	100	2,934
Codfish, white.....	5,415	10,145	16,289	29,620	25,455	51,015	4,245	16,845	7,943	14,930	9,765	10,047	231,711
Flounder.....	5,415	10,145	16,289	29,620	25,455	51,015	4,245	16,845	7,943	14,930	9,765	10,047	231,711
Hake.....	1,900	9,055	3,035	6,615	3,295	2,390	8,055	9,225	4,725	699	375	1,610	31,245
Halibut, arrowtooth.....	45	45	45	45	45	45	35	84	52,114	1,000	132	10,880	51,284
Haddock, California.....	65	1,676	348	400	63	35	84	84	84	1,837	11,432	8,025	52,084
Hardhead.....	2,125	12,440	8,365	3,291	2,625	1,800	300	300	300	300	300	1,950	1,379,154
Herring, Pacific.....	653,079	723,566	320	----	----	----	----	----	----	----	----	----	----
Lingcod.....	7,897	29,592	43,148	39,077	40,419	42,351	81,370	42,359	34,685	39,379	19,483	15,006	434,673
Mackerel, jack.....	1	1	1	1	1	1	1	1	1	1	1	1	1
Perch.....	4,240	3,391	12,211	9,155	----	----	871	1,293	855	1,674	2,282	2,757	38,715
Rockfish.....	290,901	118,751	417,560	327,731	296,137	105,555	280,151	284,590	530,055	452,955	499,875	471,170	4,929,300
Sablefish.....	35,197	64,181	64,181	56,196	62,455	15,130	41,370	37,268	60,123	65,180	82,028	53,008	698,991
Salmon.....	365	----	----	----	----	----	----	----	----	----	----	----	4,582,942
Sanddab.....	17,918	10,794	11,375	103,617	395,461	458,840	2,646,177	584,150	52,201	16,230	173,340	444	444
Solepin, staghorn.....	----	----	----	----	----	----	104	104	301	143	51	11,353	11,075
Solepin, white.....	22	31	31	31	31	31	104	104	104	104	104	104	104
Shark.....	6,487	4,774	12,017	1,553	1,455	2,068	2,905	8,360	9,399	4,898	9,519	14,385	77,825
Skate.....	12,500	10,875	16,540	15,500	10,435	10,450	6,050	10,530	9,000	10,050	10,700	5,900	129,070
Smelt.....	4,535	16,771	6,361	10,697	13,206	11,469	6,914	3,411	1,697	735	183	79,043	79,043
Sole, Dumbarton.....	100	132	60	60	100	50	27,251	40,251	20,251	48,251	20,251	55,356	600,906
Sole, English.....	137,603	117,337	77,319	32,156	33,512	34,215	69,183	77,422	90,832	125,967	91,860	983,556	983,556
Sole, petrale.....	44,826	36,395	30,965	38,185	18,530	13,273	56,520	71,184	65,702	71,074	129,377	188,972	767,417
Sole, rex.....	47,943	78,282	83,122	48,582	21,420	15,075	16,700	24,785	32,715	46,110	57,125	60,315	532,171
Sole, sand.....	200	430	2,590	8,285	2,330	10,220	480	11,930	3,645	2,690	12,237	4,590	39,527
Sole, splitfin.....	408	339	72	----	----	----	----	----	----	57	198	198	116
Swordfish.....	----	----	----	----	----	----	----	----	400	----	----	----	1,074

DEPARTMENT OF FISH AND GAME

TABLE 10
Monthly Landings and Shipments of Commercial Fish Into the San Francisco Area During 1959¹

Tuna, albacore.....	420,680	803,271	1,211,872	1,096,599	157,702	1,547	3,631,671
Tuna, skipjack.....	7,155	12,385	8,155	7,855	631	1,272	1,272
Turbot.....	730	1,525	1,470	10,660	10,330	15,125	20,195	8,815	10,567
Whiting.....	445	1,210	1,350	3,495	10,799	7,625	4,745	2,025	47	33,633
Miscellaneous fish.....	100	1,211	15	1,526
Crustacean:												
Crab, market.....	216,005	209,877	176,317	80,654	69,763	230	2,138,065	1,081,425	3,912,931	35,011
Shrimp, bay.....	2,915	5,697	3,955	4,890	4,730	9,835	3,249	30
Mollusk:												
Alewife.....	300	950	750	2,050	475	2,075	2,500	3,800	3,400
Octopus.....	105	107	105	120	65	160	722
Oyster, eastern.....	1,305	1,111	688	310	1,048	471	541	1,236	716	619	8,753
Oyster, Gulf of Pacific.....	50,408	52,807	68,791	5,499	38,761	42,201	42,575	35,744	44,498	18,350	12,235	19,910
Oyster, native.....	632	395	600	410	2,657
Total pounds.....	1,789,898	2,316,773	1,209,645	1,324,574	1,153,272	1,009,018	3,709,239	2,406,661	2,235,256	2,004,260	3,378,038	2,175,753
SHIPMENTS:												
Fish:												
Tuna, albacore.....	309,700	520,120	466,550	209,045	425,920	247,670	512,220	308,780	179,590	25,008	258,660
Tuna, bigeye.....	40,000	40,000
Tuna, bluefin.....	2,200	52,300
Tuna, longtail (Atlantic).....	202,860	32,610
Tuna, skipjack.....	342,329
Tuna, yellowfin.....	1,083,890	656,320	1,893,864	2,063,450	1,061,430	1,681,770	1,748,834	1,324,110	1,715,310	1,612,768	929,652	968,660
Total pounds.....	2,293,390	2,306,440	1,893,864	2,329,980	1,270,471	2,107,996	1,996,504	2,281,390	2,111,990	1,792,538	1,125,730	1,276,010
Grand total.....	4,083,258	3,523,213	3,103,509	3,894,554	2,423,743	3,116,708	5,785,743	4,688,051	4,347,246	3,796,618	4,501,768	3,451,763

¹ Includes Sacramento area landings.
² For origin of shipments refer to Table 6.

TABLE 10—Cont'd.

TABLE 11
Monthly Landings of Commercial Fishing Boats in the Monterey Area During 1959

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds	
LANDINGS FROM: California Waters:														
Fish:														
Anchovy.....	2,200	...	5,600	100,068	9,338	27,820	51,240	34,111	21,586	21,456	97,860	1,500	372,770	
Catfish.....	264	625	804	431	1,037	1,265	1,888	1,193	2,435	1,258	1,888	1,553	15,487	
Croaker, white.....	141	55	6,705	938	2,162	10,309	11,602	15,478	11,065	18,657	11,013	624	80,252	
Ed. fish.....	
Pomander.....	307	2,261	1,940	1,900	1,781	1,726	188	592	...	865	792	12,071	12,071	
Hake.....	749	630	714	4,200	2,615	280	5,109	...	6,345	290	18,740	...	18,740	
Halibut, California.....	493	4,273	525	1,619	3,500	165	9	582	526	9,218	
Herring, Pacific.....	1,424	102,533	188,520	20,757	130,700	
Lingcod.....	6,016	10,581	15,113	8,068	13,047	16,085	28,129	11,088	14,145	13,800	17,475	10,335	162,963	
Mackerel, jack.....	53	589,030	1,671,110	528,550	94,770	4,416	66,576	1,701,730	1,151,105	3,636,377	1,462,658	10,906,375	10,906,375	
Mackerel, Pacific.....	24,250	280,820	47,807	42,148	4,315	9,220	206,315	450,146	1,034,117	202,779	2,307,247	
Perch.....	89	1,211	1,311	4,813	6	1,998	281	...	1,740	3,000	9,370	139	17,514	
Porgy, California.....	168	
Rockfish.....	356,422	409,024	504,261	290,172	352,999	492,579	535,119	350,693	281,051	373,759	407,127	311,154	4,697,963	
Sablefish.....	330	540	...	880	13,637	21,950	5,359	6,638	2,657	9,354	6,621	67,961
Salmon.....	69,613	80,800	68,500	37,916	1,103	2,965	260,688	260,688
Sardine.....	36,604	452	510	1,052	4,067	7,741	13,079	1,976	2,096	15,351	4,178	1,292	1,292	
Sardine, white.....	...	8,000	2,500	...	30,781	128,761	253,171	391,022	3,501,971	10,839,241	8,434,566	5,662,463	29,885,506	
Sebast., white.....	655	633	15,823	1,314	218	9,312	37,331	44,774	88,570	109,818	5,586	2,057	313,755	
Shark.....	301	969	2,317	1,371	2,017	3,839	14,211	16,923	13,057	11,717	9,811	6,633	83,477	
Shark, sand.....	1,170	2,940	5,227	1,131	1,569	947	4,027	1,027	3,816	5,038	5,816	5,038	24,448	
Smelt.....	1,031	480	83	6,075	1,855	35	1,489	2,083	5,117	6,632	1,757	29,545	29,545	
Sole, Dover.....	
Sole, petrale.....	6,630	11,811	19,661	26,709	25,592	25,161	17,308	18,108	8,635	20,340	14,915	5,987	200,857	
Sole, rex.....	1,081	5,111	6,071	10,532	10,020	12,737	16,835	9,590	7,716	5,016	2,075	1,146	90,320	
Sole, rex.....	2,900	2,734	2,008	1,605	3,243	1,048	1,060	2,168	5,099	5,630	5,571	7,381	41,053	
Sole, miscellaneous.....	42	420	470	1,237	2,828	3,465	3,388	122	33	118	403	9,848	9,848	
Tuna, albacore.....	2,292,732	
Tuna skipjack.....	410	

TABLE 11
Monthly Landings of Commercial Fishing Boats in the Monterey Area During 1959

Tuna	200	601	178	185	363	
Whitebait	53	105	39	
Miscellaneous fish	160	
Crustacean:													
Crab, market	14,742	21,967	13,698	6,545	3,202	39,621	21,424	124,199	
Mollusk:													
Octopus	86	23	45	60	...	14	20	218	
Squid	...	690	...	687,796	5,617,585	5,523,040	599,572	521,310	...	363,230	14,352,412	100	
Miscellaneous mollusk	20	40	20	107,670	20	...	
Grand total	433,323	480,090	1,216,704	3,183,990	6,857,319	6,681,499	2,387,541	2,423,005	7,319,535	12,880,380	13,938,497	8,013,337	66,775,240

TABLE 11—*Cont'd.*

TABLE 12
Monthly Landings of Commercial Fishing Boats in the Santa Barbara Area During 1959

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM: California waters:													
Fish													
Anchoy.....	65,400	36,000	42,250	225,660	110,705	185,576	91,553	41,950	10,990	10,149	15,563	10,149	809,779
Barracuda, California.....		2,430	39,971	210,677	47,967	8,276	1,252	409	10,924	45,541	38,149	34,109	383,929
Bass, California.....	997	157	565	138	381	3,351	7,441	30,526	7,594	34,109	34,109	123,888
Cabron.....	88	174	438	16	124	106	210	290	290	333
Croaker, white.....	284	99	145	20	560	1,638
Flounder.....	114	1,799	2,455	761	12	285	54	139	5,632	178,886
Hake, California.....	12,890	18,936	18,572	20,087	6,304	15,087	13,575	11,342	6,867	13,498	18,888	22,909	22,909
Herring, Pacific.....	150	150
Linged, jack.....	6,925	4,200	7,359	12,106	9,991	4,555	7,720	3,264	6,568	2,628	20,719	11,544	98,115
Mackerel, jack.....	92,600	1,377,840	80,230	1,143,910	1,774,910	106,870	100,460	188,197	236,832	289,650	5,400,829	5,400,829
Mackerel, pacific.....	432,118	41,029	2,128	21,000	146,500	74,134	35,540	489,723	1,242,172	1,242,172
Opah.....	180	180
Perch.....	6,165	6,032	6,032	8,857	22	1,872	4,284	4,744	5,317	6,188	2,567	54,721
Rockfish.....	128,690	157,42	135,220	162,218	138,831	114,699	143,827	96,523	95,740	129,057	82,387	1,479,293	1,479,293
Sablefish.....	30	710	395	1,064	1,810	3,365	2,415	505	616	220	2,053	15,183
Salmon.....	2,355	55	19,359	18,758	18,227	7,010	434	117	115	63,947
Sardina.....	43,540	96,000	139,000	249,000	183,200	138,250	12,000	1,484,920	1,963,305	711,718	481,050	5,825,783
Solefish.....	160	42	1,281
Sea bass, black.....	260	57	385	380	375
Seaslug, white.....	54,571	46,124	32,647	13,361	10,552	22,403	112,265	54,391	25,300	11,475	46,118	123,407	556,411
Shad.....	8,814	4,461	6,040	8,446	11,546	7,995	2,718	4,718	4,497	221	6,366	11,073	13,405
Sheep-head.....	394	108	40	446	45	45	33	20	86	86	987
Skate.....	423	1,788	1,077	454	185	185	185
Soles.....	3,725
Soles, Dover.....	975	2,445	5,065	2,350	2,410	478	470	470	14,193
Soles, English.....	49,746	54,438	39,974	28,392	17,584	29,327	24,561	16,237	20,913	10,823	14,537	11,544	318,108
Soles, petrale.....	23,019	32,554	33,765	89,653	66,301	74,011	39,853	51,026	25,087	12,682	15,627	15,627	152,952
Soles, rex.....	9,830	12,792	14,279	9,117	2,103	515	1,165	1,075	5,495	645	9,226	8,819	57,509
Soles, sand.....	1,120	13,017	16,511	267	1,075	715	73	48	48	31,751

TABLE 12
Monthly Landings of Commercial Fishing Boats in the Santa Barbara Area During 1959

Sole, miscellaneous.....	240	169	900	236	137	324	104	60,503	18,011	0,586	422	2,622
Seabirds.....	911	13,109	32,135	60,503	480,299	80,441	1,058	135,455
Tuna, albacore.....	1,027,169	2,465,992	4,094,980
Tuna, blue.....	100,000	102,220
Tuna, skipjack.....	35	66	101
Turbot.....	2,238	1,628	2,760	1,050	19	52	635	157	8,539
Yellowtail.....	171	1,377	75	52	109	21,035	7,417	7,595	435	35,298
Miscellaneous fish.....	280	4	15	11	81	78	20	55	571
Crustacean:													
Crab, market.....	52,963	59,189	49,772	41,127	17,294	2,507	51,292	49,394	315,038
Crab, rock.....	1,556	2,610	5,470	8,952	7,848	8,064	5,895	3,567	1,474	40	48	194	46,118
Lobster, spiny.....	21,829	14,023	13,159	6,176	7,344	2,024	23,301	20,688	20,100	11,550
Shrimp, ocean.....	14,544
Mollusk:													
Absalone.....	119,363	106,013	334,279	236,197	246,604	245,883	200,893	262,425	341,088	362,452	227,565	2,713,493
Octopus.....	30	335	210	251	2,000	1,122
Oyster, giant Pacific.....	151,125	210,600	156,700	82,700	57,025	28,600	15,000	49,500	53,925	110,375	162,735	261,200	1,811,875
Squid.....	19,000	19,000
Grand total.....	1,197,435	921,478	2,280,667	1,612,149	2,101,470	2,701,798	2,022,268	3,218,494	2,740,760	3,016,792	2,111,684	2,282,741	26,207,928

TABLE 12—Cont'd.

TABLE 13
Monthly Landings and Shipments of Commercial Fish Into the Los Angeles Area During 1959

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM:													
California waters:													
Fish:													
Anchova	411,255	517,105	460,470	483,785	362,580	533,505	148,345	325,660	618,903	1,068,990	547,495	153,336	5,959,129
Barracuda, California	840	4,762	7,891	101,047	246,732	108,352	62,716	37,411	13,216	20,409	3,152	45	603,585
Bass, striped	14,596	25,464	26,257	11,171	17,152	11,151	3,091	5,694	9,224	7,527	1,147	39,093	103,583
Croaker, white	272,470	85,516	101,905	225,775	133,002	26,606	18,478	86,672	43,436	19,960	168,639	261,640	1,440,038
Flyingfish	—	—	—	885	1,170	5,013	10,110	5,393	6,203	945	—	—	29,889
Hallimoun	85	—	318	7,061	8,841	529	771	221	122	21	1,243	1,737	3,628
Hake, California	2,056	4,434	7,051	1,021	1,761	35	12	75	90	16,725	20,106	3,890	40,057
Lingcod	105	72	93	35	41	17	21	21	21	161	—	—	878
Mackerel, jack	137,188	265,569	1,184,863	701,014	1,239,315	4,065,365	288,676	3,651	328,936	5,334,138	5,926,173	1,899,031	21,108,610
Mackerel, Pacific	187,032	135,128	1,050,094	2,435,022	61,053	4,281,567	2,689,078	4,038,048	6,145,874	4,063,548	2,412,899	35,805,790	—
Opah	1,547	—	315	568	230	74	366	59	35	—	577	910	1,081
Perch	354	232	2,102	889	1,646	1,665	1,407	830	3,579	3,287	—	872	18,210
Pompano, California	65,121	58,886	67,538	67,796	38,751	55,965	52,971	27,738	21,158	36,879	38,673	61,000	500,141
Sabrefish	20	—	—	—	—	275	—	—	—	—	—	230	554
Salmon	—	—	—	—	—	708	—	—	—	—	—	—	703
Sanddab	590	123	21	25	151	244	88	130	61	—	—	—	1,745
Sardine	93,101	140,721	147,250	118,945	170,501	90,750	50,88	38,506	2,138,056	21,908,716	9,750,072	3,994,235	38,902,223
Sealipin	75	221	776	481	3,702	9,441	10,247	6,596	2,533	209	32	335	34,647
Sea bass, black	321	423	13	122	177	136	520	—	—	90	38	115	2,547
Seabass, white	97,267	76,437	111,548	35,867	47,415	116,103	884,775	328,426	43,091	5,360	16,233	23,708	1,800,230
Shark	6,722	7,679	21,149	21,149	25,396	32,280	19,939	14,467	20,111	14,700	13,000	8,000	20,600
Sheer-head	374	79	382	208	—	—	—	—	—	156	465	479	103
Skate	225	76	—	—	367	23	75	—	—	—	—	—	630
Sole	5,470	1,115	10,523	1,159	150	4,520	2,035	1,182	10,963	32,254	102,576	177,946	369,973
Sole, miscellaneous	36	—	26	50	72	34	7	—	—	—	—	—	229
Swordfish	—	—	—	—	9,751	94,167	90,991	56,985	21,271	3,571	745	—	277,517
Tuna, albacore	—	—	—	—	—	40,490	4,559,653	5,413,387	2,161,096	1,973,505	174,159	—	14,325,290
Tuna, bonito	—	—	—	—	4,029,019	88,753	104,446	3,561,269	3,838,265	1,923,510	559	—	12,178,230
Tuna, skipjack	176,530	—	11	—	—	—	—	—	—	—	—	—	1,978,890
Tuna, yellowfin	—	—	—	—	—	—	—	57,281	24,385	—	—	—	81,666
Whiting, ocean	125	—	—	—	—	25	100	147	—	200	—	30	627
Yellowtail	4,222	5,738	3,153	7,888	29,385	8,577	1,173	10,359	32,152	3,276	12,600	9,088	128,113
Micromesistius fish	—	—	16	59	237	117	108	154	—	29	15	—	712

TABLE 13
Monthly Landings and Shipments of Commercial Fish Into the Los Angeles Area During 1959

Crustacean:														
Crab, rock	9,786	1,973	8,488	5,910	7,095	8,626	9,823	11,058	5,642	2,846	2,603	3,621	80,112	
Lobster, spiny	36,483	10,863	6,539	—	—	—	—	—	82,229	37,966	40,353	236,353		
Mollusk:														
Avalanche	109,305	—	35,386	148,121	125,600	119,823	150,010	197,899	121,115	121,990	75,408	127,839	1,332,577	
Squid	351,630	3,631,011	1,339,455	23,765	—	10,830	45	—	—	—	—	300	5,357,291	
Miscellaneous mollusk	18	—	—	—	—	45	—	—	18	—	—	—	81	
Total pounds	2,336,499	5,236,123	5,171,201	8,674,130	3,211,577	6,850,270	14,769,075	14,143,693	11,673,231	40,448,476	21,411,552	9,520,616	143,446,243	
Waters south of State:														
Fish:														
Baracuda, California	7,829	3,550	2,435	—	283	—	153	—	—	2,215	—	16,029		
Bonito	1,071	249	—	1,905	—	5,480	225	6,615	1,650	—	380	—	1,756	
Mackerel	2,097	—	—	—	100	—	—	—	—	—	6,810	62,961	4,447	
Tuna	53,057	14,195	24,940	—	—	—	—	—	—	—	—	36,079	271,901	
Rock bass	110	—	—	—	100	—	—	—	—	—	—	—	210	
Rockfish	1,875	13,855	11,865	6,600	—	4,428	—	—	—	—	—	6,115	2,830	
Sea bass, black	3,022	1,639	10,408	7,280	3,215	34,400	35,490	36,688	38,493	17,095	8,325	11,269	207,624	
Seabass, white	40	—	—	—	—	—	—	—	—	—	—	—	40	
Sierra	2,324	214	1,900	—	—	—	—	—	—	—	—	—	2,114	
Snapper	—	—	—	—	—	—	171	—	—	—	—	—	174	
Tuna, bigfin	28,690	205,395	35,011	2,966	119,411	2,871	9,639	753,656	27,815	—	92	3,668,514		
Tuna, skipjack	234,203	2,573,313	13,46,251	4,669,203	5,106,118	11,408,553	8,332,078	9,865,725	6,120,013	6,686,389	3,514,255	2,186,692	61,732,638	
Tuna, yellowfin	1,006,444	7,347,337	14,614,512	10,325,390	8,000,671	9,936,442	4,765,996	5,176,615	1,391,313	2,858,305	5,903,187	11,221,014	85,568,216	
Albacore	2,324	—	—	—	—	—	3,621	996	—	—	—	—	13,778	
Yellowtail	2,488	1,053	10,760	720	—	—	—	—	—	769	45	16,920		
Miscellaneous fish	—	—	—	—	—	—	—	—	—	89	—	89		
Total pounds	7,070,052	10,400,620	15,903,914	15,024,836	13,301,583	21,387,099	13,786,337	16,151,627	7,827,636	9,965,955	9,499,412	13,158,679	153,361,650	
SHIPMENTS:														
Fish:														
Salmon	58,890	—	36,258	—	—	31,000	—	88,873	12,873	30,232	22,003	—	301,941	
Salmon	10,627	31,236	6,206	13,669	—	2,000	—	—	4,170	12,731	—	10,500	1,139	
Sturgeon	4,266	125	—	1,430	—	—	—	—	—	—	—	—	4,647	
Swordfish	—	—	—	16,058	—	—	—	—	—	—	—	—	5,658	
Tuna, all-species	1,180,420	7,740,454	17,48,086	2,985,147	1,729,405	763,756	688,555	2,089,466	—	1,946,079	3,290,337	1,666,806	21,070,413	
Tuna, bigeye	60,400	—	—	—	—	—	—	—	—	137,100	38,199	—	688,649	
Tuna, bluefin	—	—	—	—	—	—	—	—	—	—	—	21,384	469,238	
Tuna, yellowtail	2,115,176	2,357,062	2,121,866	2,960,310	1,730,605	2,608,996	3,056,541	3,841,500	3,205,932	3,527,201	1,872,761	4,921,030	10,326,420	
Tuna, yellowfin	9,091,167	6,980,238	7,794,424	6,523,326	7,831,148	8,398,008	8,152,641	6,826,656	1,055,254	3,495,446	2,217,003	4,261,435	73,697,40	
Miscellaneous fish	19,000	500	—	400	193	—	58,885	20,875	14,215	—	34,940	9,010	158,318	
Total, Pismo	—	99,840	—	108,000	—	—	114,990	144,000	191,040	42,720	—	—	700,860	
Total pounds	13,572,696	12,303,915	14,818,870	12,483,388	11,331,718	11,936,720	12,381,953	13,331,363	5,420,996	11,127,248	7,157,643	10,326,195	136,192,605	
Grand total	22,980,147	27,940,658	35,893,985	36,182,354	27,844,878	40,174,089	40,937,365	43,609,383	24,921,863	61,141,679	38,068,607	33,305,490	433,000,498	

¹ For origin of shipments refer to Table 6.

TABLE 13—Cont'd.

TABLE 14
Monthly Landings and Shipments of Commercial Fish Into the San Diego Area During 1959

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds	DEPARTMENT OF FISH AND GAME
LANDINGS FROM: California Waters:														
Fish:														
Anchovy.....	4,003	7,065	16,371	1,750	20,301	10,337	14,889	14,866	6,035	79	336	246	112,605	1,750
Barracuda, California.....	402	402	12	18,667	128	1,681	1,681	1,213	1,346	1,063	26	516	103	5,950
Cod, green white.....	120	105	105	105	205	205	210	279	279	17,045	8,821	19,782	7,907	62,093
Haddock, California.....	1,469	119	531	635	3,234	2,061	210	279	17,045	8,821	19,782	7,907	62,093	
Lingcod.....	1,127	9	4,256	4,610	2,154	2,002	2,591	2,591	9,074	36,762	1,591	835	65,555	223
Mackerel, Pacific.....	11,070	41,560	32,812	31,124	10,812	20,239	9,011	7,370	8,885	9,348	11,372	11,738	200,071	1,945
Redfish.....	6	6	440	366	388	220	130	467	1,945	1,945	1,945	1,945	1,945	1,945
Sardine.....	111	6	151	72	72	72	72	72	72	72	72	72	72	72
Seadrum.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sea bass, black.....	568	801	739	222	402	532	273	316	857	532	46	46	6,357	
Sebastodes, white.....	24,347	26,069	18,332	26,345	25,136	32,145	368,003	137,031	8,692	5,796	1,468	17,220	601,314	
Shark.....	6,284	13,862	11,127	14,351	23,141	11,614	6,454	4,088	5,376	6,744	15,325	10,891	120,227	
Sheep-head.....	998	120	54	211	100	480	15	741	15	1,134	813	813	6,175	
Smelt.....	1	1	1	1	1	1	1	1	1	1	1	1	1	151
Surf-fish.....	1	1	1	1	1	1	1	1	1	1	1	1	1	
Tuna, albacore.....	1	1	1	1	1	1	1	1	1	1	1	1	1	33,674
Tuna, bluefin.....	1	1	1	1	1	1	1	1	1	1	1	1	1	3,603,149
Tuna, yellowfin.....	1	1	1	1	1	1	1	1	1	1	1	1	1	896,714
Yellowtail.....	816	391	2,255	4,853	15,553	3,758	1,083	5,506	4,449	1,889	561	1,734	40,776	10
Miscellaneous fish.....	6	14	78	182	9	1	11	1	1	1	8	8	307	
Crustacean:														
Crab, rock.....	452	104	5,471	5,471	5,471	5,471	5,471	5,471	5,471	5,471	5,471	5,471	5,471	2,624
Lobster, spiny.....	14,405	7,773	1	1	1	1	1	1	1	1	1	1	1	165,575
Mollusk:														
Ahi.....	19,723	21,901	52,081	41,382	42,415	68,431	59,140	40,886	38,675	83,678	31,945	500,255		
Clam, jackknife.....	364	325	591	814	1,243	1,579	1,653	1,157	648	435	344	183	0,336	
Squid.....	24,860	24,860	1	1	1	1	1	1	1	1	1	1	1	24,860
Total pounds.....	86,858	123,141	115,082	222,587	206,369	370,645	2,329,451	1,163,274	309,334	1,316,360	205,126	108,425	6,562,652	

TABLE 14
Monthly Landings and Shipments of Commercial Fish Into the San Diego Area During 1959

THE MARINE FISH CATCH OF CALIFORNIA											
WATERS NORTH OF STATE:											
FISH:											
Tuna, albacore.....											
Total pounds.....	211,055	211,055	
WATERS SOUTH OF STATE:											
FISH:											
Barracuda, California.....	8,136	5,470	6,233	1,585	313	3,980	446	20,163	
Bream, California.....	6,167	40	6,362	
Catfish.....	315	190	315	
Grouper.....	2,251	1,564	4,616	2,614	10,350	
Pike, California.....	18	1,100	5,310	470	10,856	
Rockfish.....	1,031	2,902	2,887	18,641	1,983	3,216	7,973	
Sea bass, black.....	385	2,980	773	15,070	4,055	32,200	
Seabass, white.....	868	455	11,643	8,718	37,623	
Shad.....	435	1,100	5,310	11,773	11,773	
Sheep-head.....	435	613	394	477	1,484	
Sierra.....	100	100	
Sole.....	118	27	2,005	109,493	
Tuna, skipjack.....	4,254,666	3,453,104	2,690,325	4,027,363	3,405,498	3,439,830	3,545,381	722,118	1,152,546	2,492,834	1,322,432
Tuna, yellowfin.....	4,140,065	3,602,153	2,198,057	3,358,128	1,598,860	2,234,473	1,937,486	319,667	176,345	821,594	1,241,718
Vahoo.....	150	40	300	370	
Yellowtail, ocean.....	79	161	85	122	40	1,323	3,299	3,275	
Crustacean:	139	139	
Lobster, Spiny.....	
Total pounds.....	8,410,267	7,064,531	4,914,767	8,016,644	5,011,451	5,755,206	5,482,867	1,014,465	1,574,234	3,340,095	1,646,403
SHIPMENTS: ¹
FISH:
Tuna, albacore.....	501,876	385,799	735,566	30,105	13,397	185,674	100,224	204,114	2,120,306
Tuna, bigeye.....	60,000	320,000	386,000	267,000	271,000	30,000	617,500	70,000	1,480,000	1,480,000	1,480,000
Tuna, skipjack.....	31,143	833,421	22,581	1,337,877	961,534	617,500	3,158,759	1,840,161	1,428,884	2,919,129	13,229,684
Tuna, yellowfin.....	1,028,249	916,672	170,144	914,128	412,600	600,000	367,000	1,929,161	989,000	889,000	12,627,777
Mesopelagic fish.....	175	175
Total pounds.....	1,119,347	2,591,969	875,244	2,039,340	2,054,014	1,622,372	1,155,367	6,198,456	2,309,579	2,951,862	3,912,153
Grand total.....	9,615,472	9,779,641	5,905,093	10,276,571	7,273,834	7,754,223	8,967,688	7,406,395	3,993,147	7,819,377	5,783,682
										3,253,573	87,311,888

¹ For origin of shipments refer to Table 6.

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TABLE 14—Cont'd.

TABLE 15
Value of Landings and Shipments of Commercial Fish Into California by Area, 1959

Species	Eureka	San Francisco ¹	Monterey	Santa Barbara	Los Angeles	San Diego	Total
LANDINGS:							
Fish:							
Anchovy.....	30,005	372,779	809,776	5,959,429	1,750	7,173,739	
Barracuda, California.....	\$897	\$12,835	\$11,175	\$75,088	\$70	\$100,165	
Bonito.....			393,929	619,614	139,058	1,152,601	
Bonito.....		15,487	123,888	2,859,939	12,302	3,011,616	
Cabezon.....	210	7,952	1,326	\$5,326	\$110,964	\$533	\$117,560
Cabrilla.....		\$21	\$258	878	---	---	\$357
Carp.....	466,748	---	---	---	\$685	\$44	\$729
Croaker, white.....	2,934	89,252	1,638	1,440,038	520	1,534,302	
Eel.....	\$197	\$8,479	\$91	\$38,806	\$43	\$47,616	
Eel.....		503	---	---	---	503	
Flounder.....	794,489	234,714	12,071	5,652	---	---	1,046,926
Flyingfish.....	\$38,057	\$11,524	\$833	\$312	29,889	---	\$50,726
Grouper.....			---	---	\$7,012	29,889	
Hake.....	735,724	51,530	---	---	271,961	13,971	354,242
Hake.....	\$21,122	\$334	\$157	---	\$54,065	\$2,332	\$56,397
Halfmoon.....			---	3,628	---	---	3,628
Halibut, arrowtooth.....	1,056,084	22,245	18,740	---	---	---	\$1,056,084
Halibut, California.....	\$10,554	\$1,979	---	848	---	848	
Halibut, Pacific.....	8,345	34,282	9,218	178,886	60,807	71,049	354,242
Hardhead.....	\$1,789	\$6,916	\$2,033	\$40,696	\$14,509	\$15,375	\$79,559
Herring, Pacific.....	52,684	---	---	---	---	8,345	
Lingcod.....	7,562	1,379,154	340,100	150	---	1,726,966	
Mackerel, jack.....	1,157,667	\$199	\$21,137	\$21,733	\$11	1,157,667	
Mackerel, Pacific.....	710,140	434,678	162,563	88,115	578	223	1,157,667
Opaleye.....	\$49,567	\$26,893	\$1,193	\$9,751	\$64	\$17	\$49,567
Perch.....	1,151,924	1,151,924	4,582,942	4,582,942	2,289	2,289	10,000
Pompano, California.....	109,249	38,718	10,652	54,125	107	109,249	
Rock, bass.....	\$16,055	\$5,147	\$1,136	\$12,057	\$12	35,724	
Rockfish.....	1,151,317	\$206,392	\$216,583	\$65,932	\$68,057	\$21,236	15,281,282
Sablefish.....	1,151,317	698,991	67,961	13,183	564	1,151,317	
Salmon.....	1,151,317	73,744	\$22,438	\$2,093	\$755	\$33	1,151,317
Salmon.....	1,151,317	173,340	4,582,942	269,688	63,905	703	1,151,317
Sardine.....	1,151,317	\$749,795	\$2,135,254	\$120,600	\$30,915	\$417	1,151,317
Sardine.....	1,151,317	173,340	115,863	4,348	1,745	466,684	
Sardine.....	1,151,317	\$10,511	\$9,361	\$6,569	\$217	\$369	\$27,057
Sardine.....			29,885,506	5,525,783	38,953,622	1,945	74,366,856
Sculpin.....			\$597,710	\$137,039	\$7,10,118	\$78	\$1,471,945
Sculpin, staghorn.....				160	34,647	2,535	37,342
Sea bass, black.....				\$13	\$10,319	\$650	\$11,318
Seabass, white.....						444	
Shark.....	1,151,317	23,781	313,755	556,411	1,800,270	729,136	3,423,353
Sheep-head.....	1,151,317	\$7,825	83,477	90,733	204,169	144,300	602,191
Sierra.....	1,151,317	\$3,138	\$1,421	\$7,417	\$22,332	\$13,087	\$50,466
Skate.....	81,591	129,070	25,448	3,762	930	100	2,214
Skate.....	\$18	\$1,381	\$362	\$211	\$103	---	240,801
							\$2,075

TABLE 15
Value of Landings and Shipments of Commercial Fish Into California by Area, 1959

TABLE 15—Continued

Value of Landings and Shipments of Commercial Fish Into California by Area, 1959

Species	Eureka	San Francisco ¹	Monterey	Santa Barbara	Los Angeles	San Diego	Total
Smelt	73,003	79,043	29,545	185	369,873	296	551,945
	\$5,895	\$6,995	\$1,101	\$4	\$8,143	\$25	\$81,422
Sole, Dover	6,50,271	600,036	2,420	14,101	—	7,277,429	—
	\$35,271	\$39,786	\$113	\$671	—	\$304,078	—
Sole, English	3,112,988	985,538	200,857	318,108	—	4,617,491	—
	\$218,532	\$61,005	\$12,755	\$20,074	—	\$312,366	—
Sole, petrale	1,017,021	767,417	90,339	757,852	—	2,632,429	—
	\$111,567	\$82,114	\$9,070	\$77,508	—	\$280,268	—
Sole, rex	812,272	532,174	41,053	57,508	—	1,443,005	—
	\$48,005	\$29,855	\$2,098	\$3,163	—	\$83,121	—
Sole, sand	4,487	59,527	—	31,751	—	95,765	—
	\$449	\$5,155	—	\$3,150	—	\$8,754	—
Sole, miscellaneous	8,382	116	9,848	2,622	229	21,197	—
	\$349	\$6	\$028	\$149	\$29	—	\$1,161
Splittail	—	1,074	—	—	—	1,074	—
	—	\$303	—	—	—	\$303	—
Swordfish	—	400	—	136,455	277,691	33,674	448,220
	—	\$136	—	\$49,493	\$107,216	\$13,086	\$169,931
Tuna, albacore	4,591,580	3,631,871	2,292,733	4,084,988	14,325,290	3,814,204	32,740,464
	\$729,602	\$620,866	\$404,897	\$764,709	\$2,830,677	\$732,709	\$6,083,460
Tuna, bluefin	—	—	—	102,230	14,195,971	997,209	15,295,410
	—	—	—	\$15,335	\$1,770,238	\$105,106	\$1,890,679
Tuna, skipjack	156	1,272	410	101	66,131,528	32,347,940	98,481,407
	\$11	\$169	\$43	\$8	\$6,930,584	\$3,493,575	\$10,424,393
Tuna, yellowfin	—	—	—	—	86,040,012	22,329,835	108,369,847
	—	—	—	—	\$11,159,390	\$2,909,577	\$14,068,667
Turbot	15,736	104,387	363	8,539	—	—	129,224
	\$1,519	\$1,205	\$16	\$424	—	—	\$6,441
Wahoo	—	—	—	—	13,778	150	13,928
	—	—	—	—	\$4,784	\$53	\$4,837
Whitebait	239,966	33,633	809	—	—	—	274,408
	\$19,102	\$4,281	\$201	—	—	—	\$23,584
Whitefish, ocean	—	—	—	—	627	692	1,319
	—	—	—	—	\$41	\$63	\$104
Yellowtail	—	—	—	38,268	143,978	49,038	231,284
	—	—	—	\$1,752	\$12,727	\$4,227	\$18,706
Miscellaneous fish	1,797	1,326	160	571	801	307	4,962
	\$61	\$21	\$2	\$49	\$166	\$69	\$368
Crustacean:							
Crab, market	12,880,630	3,942,394	124,199	315,038	—	17,262,261	—
	\$1,872,844	\$627,629	\$22,418	\$53,399	—	\$2,576,290	—
Crab, rock	80	—	—	46,118	80,412	2,924	129,534
	—	—	—	\$1,780	\$2,205	\$73	\$9,058
Lobster, spiny	—	—	—	113,856	236,335	156,014	506,205
	—	—	—	\$62,633	\$145,677	\$98,132	\$306,442
Shrimp, bay	35,011	—	—	—	—	35,011	—
	\$5,155	—	—	—	—	\$5,455	—
Shrimp, ocean	1,770,684	—	—	14,544	—	1,785,228	—
	\$176,713	—	—	\$1,151	—	\$178,167	—
Mollusk:							
Abalone	—	16,300	—	2,712,692	1,332,577	500,258	4,551,229
	—	\$2,808	—	\$539,683	\$114,301	\$40,637	\$497,229
Clam, gaper	726	—	—	—	—	726	—
	\$108	—	—	—	—	\$108	—
Clam, jackknife	—	—	—	—	—	9,336	9,336
	—	—	—	—	—	\$3,661	\$3,661
Clam, Washington	2,876	—	—	—	—	—	2,876
	\$448	—	—	—	—	—	\$448
Octopus	581	722	248	1,122	—	—	2,673
	\$14	\$31	\$27	\$71	—	—	\$143
Oyster, eastern	—	8,733	—	—	—	—	8,733
	—	\$2,538	—	—	—	—	\$2,538
Oyster, giant Pacific	11,938,568	4,607,49	—	1,381,875	—	13,759,192	—
	\$238,731	\$38,018	—	\$27,638	—	\$305,287	—
Oyster, native	5,543	2,037	—	—	—	7,580	—
	\$55	\$616	—	—	—	\$671	—
Squid	—	—	14,252,042	19,000	5,357,291	24,680	19,653,013
	—	—	\$262,238	\$389	\$78,217	\$891	\$341,726
Miscellaneous mollusk	433	—	100	—	81	—	614
	\$77	—	\$11	—	\$15	—	\$103
Total pounds	53,005,312	24,802,357	66,775,240	26,207,926	296,807,893	61,711,786	529,310,514
Total value	\$1,884,419	\$4,016,929	\$2,087,171	\$2,013,665	\$26,039,746	\$7,572,423	\$46,614,356

TABLE 15—Cont'd.

TABLE 15—Continued
Value of Landings and Shipments of Commercial
Fish into California by Area, 1959

Species	Eureka	San Francisco ¹	Monterey	Santa Barbara	Los Angeles	San Diego	Total
SHIPMENTS:²							
Fish:							
Sablefish.....	---	---	---	---	301,041	---	301,041
Salmon.....	4,512	---	---	---	\$49,130	---	\$49,130
	\$2,520	---	---	---	111,377	---	115,889
Sturgeon.....	---	---	---	---	\$57,983	---	\$60,503
Swordfish.....	---	---	---	---	29,681	---	29,681
Tuna, albacore.....	---	---	---	---	\$14,612	---	\$14,612
	3,551,263	---	---	---	16,058	---	16,058
	\$691,076	---	---	---	\$2,047	---	\$2,047
Tuna, bigeye.....	40,000	---	---	---	24,070,413	2,120,306	29,741,982
	\$1,752	---	---	---	\$4,260,463	\$347,306	\$5,298,845
Tuna, bluefin.....	52,000	---	---	---	688,649	1,483,000	2,211,649
	\$1,463	---	---	---	\$68,176	\$295,380	\$371,308
Tuna, bluefin (Atlantic).....	32,610	---	---	---	469,238	---	522,128
	\$1,892	---	---	---	\$55,792	---	\$65,557
Tuna, skipjack.....	342,320	---	---	---	34,156,530	13,229,684	47,728,534
	\$26,872	---	---	---	\$3,490,797	\$1,446,004	\$4,963,673
Tuna, yellowfin.....	17,884,734	---	---	---	75,490,740	9,266,737	102,622,211
	\$2,595,746	---	---	---	\$0,685,462	\$1,312,170	\$13,593,378
Miscellaneous fish.....	---	---	---	---	158,318	175	158,493
	---	---	---	---	\$57,169	\$11	\$57,180
Mollusk:							
Clam, Pismo.....	---	---	---	---	700,560	---	700,560
	---	---	---	---	\$17,373	---	\$17,373
Total pounds.	4,512	21,883,817	---	---	136,192,605	26,099,902	184,180,836
Total value.	\$2,520	\$3,329,801	---	---	\$17,759,004	\$3,403,871	\$24,495,196
GRAND TOTAL POUNDS.	53,009,824	46,686,174	66,775,240	26,207,926	433,000,498	87,811,688	713,491,350
GRAND TOTAL VALUE	\$4,886,039	\$7,346,730	\$2,087,174	\$2,013,665	\$43,798,750	\$10,976,294	\$71,109,552

¹ Includes Sacramento area landings.² For origin of shipments refer to Table 6.

TABLE 15
Value of Landings and Shipments of Commercial Fish Into California by Area, 1959

TABLE 16
Value of Landings and Shipments by Port,
Eureka Area, 1959

	Value	Pounds
EUREKA AREA TOTALS.....	\$4,886,939	53,009,824
Eureka		
Market crab.....	\$702,482	4,831,378
Albacore.....	492,492	3,099,384
Salmon.....	329,677	812,155
Giant Pacific oyster.....	238,731	11,936,568
Dover sole.....	145,379	2,677,330
English sole.....	88,781	1,261,687
Petrale sole.....	38,813	353,812
Rockfish.....	33,311	801,356
Rex sole.....	22,832	386,320
Flounder.....	15,650	326,720
Sablefish.....	14,621	229,528
Lingcod.....	12,757	182,765
Perch.....	10,593	71,239
Whitebait.....	7,342	92,233
Sanddab.....	5,466	105,135
All other.....	10,334	268,317
Totals.....	\$2,170,261	27,438,918
Crescent City		
Market crab.....	\$830,977	5,715,110
Ocean shrimp.....	130,436	1,306,978
Salmon.....	115,807	286,119
Albacore.....	18,132	114,109
Whitebait.....	7,527	94,556
All other.....	22,677	338,066
Totals.....	\$1,125,556	7,854,938
Fort Bragg		
Salmon.....	\$296,691	734,392
Albacore.....	218,771	1,376,783
Market crab.....	106,632	733,369
Dover sole.....	89,226	1,643,202
Sablefish.....	44,990	706,280
Ocean shrimp.....	44,191	442,800
Rockfish.....	36,440	949,194
English sole.....	23,161	329,932
Lingcod.....	15,560	226,000
Petrale sole.....	9,994	91,108
Rex sole.....	8,874	150,158
All other.....	9,379	267,683
Totals.....	\$903,709	7,644,963
Fields Landing		
Dover sole.....	\$118,345	2,179,462
English sole.....	101,868	1,451,104
Market crab.....	87,869	604,326
Petrale sole.....	61,155	557,471
Rockfish.....	59,682	1,536,702
Hake.....	20,079	1,003,972
Flounder.....	17,984	375,440
Lingcod.....	16,976	243,208
Rex sole.....	15,674	265,219
Sablefish.....	14,131	221,833
Arrowtooth halibut.....	11,717	520,739
All other.....	7,540	92,609
Totals.....	\$533,020	9,052,085
Trinidad		
Market crab.....	\$144,840	996,147
All other.....	4,604	11,882
Totals.....	\$149,444	1,008,029
All other ports		
All other.....	\$4,949	10,891
Totals.....	\$4,949	10,891

TABLE 16
Value of Landings and Shipments by Port, Eureka Area, 1959

TABLE 17
Value of Landings and Shipments by Port,
San Francisco Area, 1959¹

	Value	Pounds
SAN FRANCISCO AREA TOTALS.	\$7,346,730	46,686,174
San Francisco		
Yellowfin tuna.....	\$2,595,746	17,864,734
Albacore.....	945,572	5,045,034
Salmon.....	483,836	1,038,497
Market crab.....	347,209	2,180,941
Rockfish.....	163,085	3,878,453
Petrale sole.....	66,977	625,052
Dover sole.....	33,713	678,327
English sole.....	30,880	498,869
Skipjack.....	27,020	343,468
Rex sole.....	17,530	312,481
Sablefish.....	17,330	539,863
Lingcod.....	16,583	268,335
Spanish mackerel.....	7,249	131,411
Bluefin tuna.....	6,463	52,890
California halibut.....	5,516	27,375
Flounder.....	5,058	103,018
All other.....	36,480	565,299
Totals.....	\$4,806,274	34,155,777
Bodega Bay		
Salmon.....	\$709,966	1,523,860
Market crab.....	166,724	1,047,259
English sole.....	21,920	351,124
Rockfish.....	21,734	506,296
Albacore.....	15,185	89,008
Rex sole.....	6,499	115,543
Petrale sole.....	5,191	48,510
Lingcod.....	5,175	83,735
All other.....	15,199	293,216
Totals.....	\$967,593	4,061,851
Point Reyes (Drakes Bay)		
Salmon.....	\$557,726	1,167,004
Market crab.....	44,487	276,430
Giant Pacific oyster.....	32,234	365,053
Rockfish.....	21,560	537,341
Petrale sole.....	9,946	92,555
English sole.....	8,205	132,545
Rex sole.....	5,826	103,850
Lingcod.....	5,094	82,433
All other.....	15,548	352,413
Totals.....	\$700,626	3,143,123
Oakland		
Albacore.....	\$296,351	1,737,109
Salmon.....	89,843	192,838
Market crab.....	5,752	36,132
All other.....	183	813
Totals.....	\$392,129	1,966,892
Sausalito		
Salmon.....	\$209,552	449,746
Albacore.....	48,217	282,631
Market crab.....	39,950	250,944
All other.....	21	173
Totals.....	\$297,740	983,494
Princeton		
Salmon.....	\$71,656	153,801
Market crab.....	22,395	140,674
All other.....	5,234	33,383
Totals.....	\$99,285	327,858

TABLE 17
Value of Landings and Shipments by Port, San Francisco Area, 1959

TABLE 17—Continued
Value of Landings and Shipments by Port,
San Francisco Area, 1959¹

	Value	Pounds
Tomales Bay		
Pacific herring.....	\$11,704	1,330,005
Giant Pacific oyster.....	6,684	75,696
All other.....	5,924	31,459
Totals.....	\$24,312	1,437,160
Clear Lake		
Carp.....	\$13,869	297,600
Hardhead.....	9,754	39,600
Totals.....	\$23,623	337,200
Berkeley		
Salmon.....	\$12,224	26,173
All other.....	2,941	18,211
Totals.....	\$15,165	44,384
All other ports		
Carp.....	\$7,883	169,148
Albacore.....	4,945	21,351
All other.....	7,155	37,936
Totals.....	\$19,983	228,435

¹ Includes Sacramento area landings.

TABLE 17
Value of Landings and Shipments by Port, San Francisco Area, 1959

TABLE 18
Value of Landings by Port,
Monterey Area, 1959

	Value	Pounds
MONTEREY AREA TOTALS.....	\$2,087,174	66,775,240
Monterey		
Sardine.....	\$433,036	21,651,801
Squid.....	227,646	12,372,060
Rockfish.....	207,256	4,541,619
Jack mackerel.....	192,725	8,236,110
Albacore.....	113,681	643,720
Pacific mackerel.....	40,876	1,841,280
Salmon.....	13,295	29,746
Lingcod.....	12,168	137,337
English sole.....	10,984	172,972
Petrale sole.....	7,135	70,992
Anchovy.....	6,335	182,560
Sandab.....	5,596	98,697
White seabass.....	5,290	36,135
All other.....	19,055	268,881
Totals.....	\$1,295,078	50,283,910
Moss Landing		
Albacore.....	\$285,616	1,617,305
Sardine.....	163,042	8,152,120
Salmon.....	85,639	191,439
Jack mackerel.....	62,192	2,657,760
Squid.....	34,459	1,872,750
White seabass.....	21,382	146,053
Market crab.....	19,534	108,223
Pacific herring.....	18,398	287,881
Pacific mackerel.....	9,696	436,770
All other.....	5,728	144,989
Totals.....	\$705,084	15,015,290
Santa Cruz		
Salmon.....	\$21,666	48,503
White seabass.....	19,261	131,567
Rockfish.....	8,421	142,561
White croaker.....	6,428	67,667
Albacore.....	5,600	31,708
All other.....	25,038	454,034
Totals.....	\$86,412	876,040

TABLE 18
Value of Landings by Port, Monterey Area, 1959

TABLE 19
Value of Landings by Port,
Santa Barbara Area, 1959

	Value	Pounds
SANTA BARBARA AREA TOTALS.....	\$2,013,665	26,207,926
Morro Bay		
Albacore.....	\$599,705	3,203,554
Abalone.....	79,620	585,054
Sardine.....	49,192	1,983,550
Rockfish.....	46,253	1,036,515
Petrale sole.....	40,206	393,019
Market crab.....	38,756	228,647
White seabass.....	36,567	234,702
Giant Pacific oyster.....	27,638	1,381,875
Perch.....	11,692	51,599
Salmon.....	7,967	16,355
English sole.....	7,174	113,685
All other.....	25,340	336,118
Totals.....	\$970,110	9,564,673
Santa Barbara		
Abalone.....	\$221,175	1,816,471
Spiny lobster.....	53,614	67,462
California halibut.....	33,586	147,632
Swordfish.....	29,675	81,816
White seabass.....	29,380	188,577
Petrale sole.....	16,610	162,370
California barracuda.....	16,088	161,692
Rockfish.....	13,246	308,809
English sole.....	10,099	160,041
Albacore.....	5,295	28,285
All other.....	11,130	304,870
Totals.....	\$439,898	3,458,025
Port Hueneme		
Jack mackerel.....	\$116,552	5,346,429
Sardine.....	86,049	3,469,733
Pacific mackerel.....	24,425	1,110,238
Abalone.....	16,968	150,468
Bluefin tuna.....	15,335	102,230
Swordfish.....	13,739	37,880
California barracuda.....	12,770	128,437
Anchovy.....	11,175	809,776
White seabass.....	10,369	66,553
All other.....	13,841	129,792
Totals.....	\$321,232	11,351,536
Port San Luis (Avila)		
Albacore.....	\$159,709	853,147
Salmon.....	22,909	47,469
Petrale sole.....	20,692	202,263
Market crab.....	14,643	86,391
White seabass.....	10,141	65,089
Abalone.....	7,974	58,460
California barracuda.....	6,806	68,398
All other.....	18,969	332,302
Totals.....	\$261,843	1,713,519
All other ports		
Abalone.....	\$13,946	102,239
All other.....	6,636	17,934
Totals.....	\$20,582	120,173

TABLE 19
Value of Landings by Port, Santa Barbara Area, 1959

TABLE 20
Value of Landings and Shipments by Port,
Los Angeles Area, 1959

	Value	Pounds
LOS ANGELES AREA TOTALS	\$43,798,750	433,000,498
Terminal Island		
Yellowfin tuna.....	\$20,811,629	161,274,603
Skipjack.....	10,421,372	100,287,974
Albacore.....	7,075,230	38,315,185
Bluefin tuna.....	1,714,357	13,769,677
Pacific mackerel.....	660,705	25,608,706
Sardine.....	562,343	29,597,022
Jack mackerel.....	344,724	13,956,431
Bonito.....	85,313	2,198,801
Bigeye tuna.....	68,176	688,649
Squid.....	59,976	4,107,940
Anchovy.....	24,489	1,943,557
Swordfish.....	12,700	43,649
Spiny lobster.....	5,464	8,864
All other.....	4,443	65,455
Totals.....	\$41,850,921	391,866,513
San Pedro		
White seabass.....	\$159,795	1,231,083
Bluefin tuna.....	111,673	895,532
Pacific mackerel.....	77,575	3,006,769
Spiny lobster.....	73,717	119,592
Rockfish.....	50,834	473,688
Grouper.....	47,643	239,655
California barracuda.....	42,979	456,736
Anchovy.....	38,746	3,075,093
Sardine.....	33,434	1,759,703
Yellowfin tuna.....	33,197	255,949
Swordfish.....	31,059	80,443
Black sea bass.....	29,705	206,288
Bonito.....	23,714	611,188
Jack mackerel.....	23,676	958,557
White croaker.....	22,611	830,749
Squid.....	13,978	957,377
Albacore.....	12,004	60,747
California halibut.....	10,037	42,066
Sculpin.....	9,404	31,484
Yellowtail.....	9,062	102,514
Shark.....	7,848	72,221
All other.....	17,389	222,159
Totals.....	\$880,080	15,689,593
Newport Beach		
Ahalone.....	\$109,520	1,277,067
Pacific mackerel.....	75,585	2,020,670
Swordfish.....	62,061	160,738
White seabass.....	39,881	307,250
Spiny lobster.....	32,354	52,488
Shark.....	13,374	121,719
Jack mackerel.....	8,591	347,810
Grouper.....	5,165	25,981
All other.....	25,425	192,145
Totals.....	\$371,956	5,414,868
Wilmington		
Jack mackerel.....	\$119,525	4,839,067
Sardine.....	87,407	4,600,357
Pacific mackerel.....	50,258	1,947,987
White croaker.....	16,166	608,253
Anchovy.....	6,032	478,767
Smelt.....	5,067	251,514
All other.....	1,579	40,700
Totals.....	\$286,034	12,766,645

TABLE 20
Value of Landings and Shipments by Port, Los Angeles Area, 1959

TABLE 20—Continued
Value of Landings and Shipments by Port,
Los Angeles Area, 1959

	Value	Pounds
Los Angeles		
Salmon.....	\$57,983	111,377
Sablefish.....	49,130	301,041
Pismo clam.....	16,314	657,840
Sturgeon.....	14,612	29,681
All other.....	50,308	139,318
Totals.....	\$188,347	1,239,257
Long Beach		
Sardine.....	\$56,352	2,965,880
Jack mackerel.....	27,086	1,096,595
Spiny lobster.....	18,572	30,130
Rockfish.....	13,876	117,217
Pacific mackerel.....	12,103	469,098
All other.....	10,756	671,146
Totals.....	\$138,745	5,350,066
Santa Monica		
White seabass.....	\$27,588	212,541
California barracuda.....	12,748	135,474
Spiny lobster.....	10,173	16,504
All other.....	6,853	121,095
Totals.....	\$57,362	485,614
Redondo Beach		
Rock crab.....	\$7,069	78,895
All other.....	4,166	39,498
Totals.....	\$11,235	118,393
All other ports		
All other.....	\$14,070	69,549
Totals.....	\$14,070	69,549

TABLE 20
Value of Landings and Shipments by Port, Los Angeles Area, 1959

TABLE 21
Value of Landings and Shipments by Port,
San Diego Area, 1959

	Value	Pounds
SAN DIEGO AREA TOTALS	\$10,976,294	87,811,688
San Diego		
Skipjack.....	\$4,939,582	45,577,624
Yellowfin tuna.....	4,221,746	31,596,562
Albacore.....	1,080,015	5,934,510
Bigeye tuna.....	298,380	1,483,000
Bluefin tuna.....	105,088	997,039
White seabass.....	89,544	709,540
Spiny lobster.....	87,114	138,496
Abalone.....	40,637	500,258
Rockfish.....	20,022	204,129
California barracuda.....	15,156	125,674
California halibut.....	14,122	65,258
Swordfish.....	13,086	33,674
Shark.....	13,066	144,062
All other.....	19,801	219,732
Totals.....	\$10,957,359	87,729,558
Oceanside		
Spiny lobster.....	\$5,557	8,835
All other.....	6,490	51,800
Totals.....	\$12,047	60,635
All other ports		
Spiny lobster.....	\$5,461	8,683
All other.....	1,427	12,812
Totals.....	\$6,888	21,495

TABLE 21
Value of Landings and Shipments by Port, San Diego Area, 1959

TABLE 22
Statewide Party Boat¹ Catch and Angler Days, 1950 Through 1959

Species	Number of fish									
	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959
Albacore.....	118,087	73,924	187,267	23,363	20,098	78,688	65,814	41,840	6,482	39
Barracuda, California.....	256,367	289,545	336,862	170,550	282,552	154,562	87,693	577,184	782,723	1,165,885
Hhalibut, California.....	53,533	53,533	51,156	51,156	51,156	51,156	21,072	10,036	18,036	23,036
Kelp Bass ²	619,397	781,699	536,075	711,365	876,667	497,343	470,362	609,071	655,671	428,426
Rockfish.....	679,164	721,898	705,761	666,490	1,149,367	1,737,707	2,058,708	1,395,151	1,561,132	1,177,979
Salmon.....	56,337	71,970	86,472	98,723	119,611	128,978	114,505	44,701	52,676	55,945
Sabal, white.....	64,718	41,977	11,046	32,932	41,935	39,463	19,463	31,030	10,463	10,463
Yellowtail.....	6,071	23,721	59,283	27,702	40,872	39,468	29,198	242,686	123,384	457,530
All other.....	313,437	302,405	319,232	489,471	683,808	413,832	417,389	559,427	720,581	677,293
Total number of fish.....	2,190,413	2,380,640	2,306,133	2,280,100	3,274,537	3,113,883	3,262,995	3,499,685	3,950,880	4,228,575
Number of angler days.....	544,264	556,949	588,087	502,146	532,190	496,286	523,063	538,175	515,152	557,154

¹ Does not include barges.² Includes sand bass.

TABLE 22
Statewide Party Boat Catch and Angler Days, 1950 Through 1959

TABLE 23
Recorded Catch of Live Bait for Saltwater Sportfishing, 1959

Species	Thousands of Pounds ¹
Anchovy.....	9,475
Croaker, white.....	17
Mackerel, unclassified.....	42
Queenfish.....	41
Sardine.....	2,201
Sardine, "firecrackers".....	10
Smelt.....	21
Total pounds.....	11,807

¹ Using a conversion factor of 12.5 pounds per live bait scoop, weights are estimated from voluntary records submitted by 16 boats. The weight of a scoop of live bait varies between 10 and 15 pounds. The records represent almost all of the live bait landings, however they should be regarded as minimal.

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TABLE 23
Recorded Catch of Live Bait for Saltwater Sportfishing, 1959