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**STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF FISH AND GAME
FISH BULLETIN 149
The California Marine Fish Catch For 1968
and
Historical Review 1916-68**



by
RICHARD F. G. HEIMANN
and
JOHN G. CARLISLE, JR.
1970



FIGURE 1

(2)

FIGURE 1

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FOREWORD

Catch bulletins provide records of the amounts and values of various living marine resources taken by California's commercial fisheries, and summarize the catches made by the partyboat sportfishing industry. They also detail the small quantities of freshwater fish taken commercially in inland areas. These data provide the basic background for managing California's marine fishery resources. The published figures are of national and international significance, and are used by fisheries scientists, legislators, educators, members of the fishing industry, and others interested in the State's fisheries.

This report for 1968 is the 28th in the series of catch bulletins. The first, published in 1929, contained the records of the 1926 and 1927 commercial fish catches.

California's fishery statistics are based on a system whereby fish dealers, processors, and partyboat operators send duplicate copies of their landing records to the Department. 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 years, methods and equipment have been modified as conditions warranted, but the basic principles have remained unchanged.

Credit for this publication belongs to the personnel of the Marine Fisheries Statistics Unit who process the many documents necessary for its publication. Special acknowledgment is given to the wardens along the coast and the clerks in the field offices whose efforts insure the completeness of the records. We appreciate as well the cooperation of the many wholesale fish dealers and canners.

1. EXPLANATION OF TABLES

The tables in this bulletin summarize the statistics of the various fishery operations in California during 1968. Five types of activity are being reported this year : landings of commercial fishermen in California; imports of tuna from other states or foreign countries destined for processing in California; sport catches of the partyboat fleet; landings of inshore species used for bait; and catches of boats supplying live bait for sportfishing. In addition, Appendix A shows the species composition of the salmon catch for 1968.

The statistics presented in this publication do not encompass all of the fishing activities in the State since not all of these activities are reported. For example : sportfishing from private boats or from shore is not reported, nor is the importation of fish for use in a fresh state. Department biologists do sample some facets of the sportfishery, but since this is part of specific studies, most of the results are not reported here.

The Department annually publishes a circular which enumerates some of the fishery products produced from the catch. The 1968 figures are contained in circular No. 43, "Statistical Report of Fresh, Canned, Cured, and Manufactured Fishery Products for 1968" (Heimann and Carlisle, 1969).

1.1. SOURCE OF DATA

Data on each commercial landing, inshore bait delivery, and import are recorded on receipts by fish dealers or processors at the time of delivery. Copies of these documents are transmitted to the Department twice each month. For each transaction, the dealer is required to provide the weight of each species and the price paid to the fishermen. The date of the transaction, the fisherman's name, the fishing boat registration number, and intended use of the fish (canning, fresh, etc.) are also required. In addition, the specific area where the fish were caught and the type of gear used are usually reported.

Partyboat catch data are obtained from logs completed by the boat operator. The log for each trip includes the number of each species taken, the number of anglers, the number of hours fished, and the specific area fished. The date, boat name, and boat registration number are also furnished. Copies of these records are sent to the Department monthly.

Operators of boats supplying live bait keep a voluntary daily log showing the number of sets, the species caught, the area fished, and the number of scoops of bait sold. Copies of these logs are furnished the Department monthly. These records represent almost all the live bait landings; nevertheless, the reported catch should be regarded as minimal.

Clerical personnel at field offices at Eureka, Monterey, Terminal Island, and San Diego maintain contact with fish dealers and local Fish and Game Wardens to insure that the records are accurate and

transmitted promptly. All data received by the Department are carefully edited to insure correctness and coded to facilitate processing. The data are then punched into cards and summarized with electric tabulating machines.

1.2. STATISTICAL AREAS

The State is divided into seven areas for the purpose of reporting fisheries statistics (Figure 1). Each statistical area is named for a major port within its boundaries. Sacramento area landing statistics are incorporated with San Francisco totals in the tables.

1.3. SPECIES

The common and scientific names of the species reported in 1968 are listed in Table 1. Some varieties are reported only collectively when, for economic or other reasons a specific separation is not practical. A further combination of species is made in preparing the tables.

The "Miscellaneous (Animal Food)" category consists of a variety of low value species caught by trawling. Since it is impractical for the dealers to report the many species separately, Department biologists periodically sample this catch to determine its species composition. Based on this sampling, the percentage and weight compositions of the 1968 animal-food category are as follows:

<i>Species</i>	<i>Percent</i>	<i>Pounds</i>
Sablefish	30.5	789,838
Arrowtooth flounder	16.0	414,341
Hake	13.3	344,421
Rex sole	12.6	326,294
Dover sole	11.5	297,808
Rockfish	8.5	220,119
English sole	4.5	116,534
Twenty-one other species	3.1	80,279
	100.0	2,589,634

Salmon catches reported in the tables are for all species combined. However, biologists from the Department's Marine Resources Branch sample the commercial and sport salmon fisheries to determine the species composition of the catches and to obtain estimates of the unreported catch from skiffs. The sampling methods and results for 1952 through 1965 were detailed by Jensen and Swartzell (1967); since 1966 results have been presented annually in the catch bulletin. Appendix A details the salmon catch for 1968.

1.4. CONDITION

Most fish and shellfish are landed in a round condition; however, some species, such as salmon and swordfish, are usually eviscerated or cleaned before being brought ashore. The condition of fish landed or shipped into the State cannot always be determined, so the tables summarize the weights as reported to the Department without regard to condition.

Since 1963, oyster landings have been reported as packed weight rather than weight in the shell. The packed weight is estimated to be 15.5 percent of the live weight for Pacific oysters; 10.9 percent for eastern oysters.

Landings reported in measurements other than weight are equated to pounds using conversion factors determined by periodic sampling. The factors used in 1968 were:

Abalone, red	50 pounds per dozen
Abalone, pink	25 pounds per dozen
Abalone, white	25 pounds per dozen
Abalone, green	35 pounds per dozen
Clam, Washington	7 pounds per dozen
Crab, market	2 pounds each
Live bait	12.5 pounds per scoop

1.5. VALUE

Value is computed from prices paid to the fishermen. The area value figures are ascertained by summing the value of all the individual landings in that area. The value for an individual port within an area is calculated from the weights of each species landed at that port and the average price paid for the species in that area. When the price paid for an individual landing is not specified, the average price paid for the species in the area is used.

1.6. INSHORE BAIT

The inshore bait fishery takes several kinds of fish and invertebrates from bays, rivers, and intertidal regions for sale as bait. Records of this fishery have been published as a separate summary in the Catch Bulletin since 1963. Conversion factors used for inshore bait for 1968 were as follows:

Crab, sand	.041 pound per dozen
	4.5 pounds per gallon
Crab, shore	.013 pound per dozen
Mudsucker	.465 pound per dozen
Mussel	80 pounds per sack
Sculpin, staghorn	.465 pound per dozen
Shrimp, ghost	.082 pound per dozen

1.7. REFERENCES

- Heimann, Richard F. G., and John G. Carlisle, Jr. 1969. Statistical report of fresh, canned, cured and manufactured fishery products for 1968. Calif. Dept. Fish and Game, Circular, (43) : 1-15.
- Jensen, Paul T., and Phillip G. Swartzell. 1967. California salmon landings 1952 through 1965, Calif. Dept. Fish and Game, Fish Bull., (135) : 43-57.

TABLE 1
Common and Scientific Names of Fishes, Crustaceans, and Mollusks in the 1968 Catch

Common name	Scientific name	Common name	Scientific name
FISHES			
Anechoy	<i>Engraulis mordax</i>	Shark	<i>Cetorhinus maximus</i>
Barracuda, California	<i>Sphyraena argentea</i>	Basking	<i>Carcharhinus lamniella</i>
Bass, rock		Bay	<i>Prionace glauca</i>
Kelp bass	<i>Paralabrax clathratus</i>	Blue	<i>Iurus oxyrinchus</i>
Sand bass	<i>Paralabrax nebulifer</i>	Bonito	<i>Triakis semifasciata</i>
Spotted sand bass	<i>Paralabrax maculatofasciatus</i>	Leopard	<i>Squatina californica</i>
Blacksmith	<i>Chromis punctipinnis</i>	Pacific angel	<i>Galeorhinus zyopterus</i>
Bonito, Pacific	<i>Sarda chilensis</i>	Soupfish	<i>Squatina aculeata</i>
Cabezon	<i>Scorpaenichthys marmoratus</i>	Silky dogfish	<i>Squalus acanthias</i>
Cod	<i>Cyprinus carpio</i>	Thresher	<i>Alopias vulpinus</i>
Croaker		Small amounts of others	
White	<i>Gymnopus lineatus</i>	Sheephead, California	<i>Pimelometopon pulchrum</i>
Queenfish	<i>Seriola politus</i>	Skate	
Dolphinfish	<i>Coryphaena hippurus</i>	Bat ray	<i>Myliobatis californicus</i>
Eel		Big skate	<i>Raja binoculata</i>
California moray	<i>Gymnothorax mordax</i>	Californian skate	<i>Raja inornata</i>
Wolf	<i>Anarrhichthys ocellatus</i>	Longnose skate	<i>Raja rhina</i>
Flounder		Shovelnose guitarfish	<i>Rhinobatos productus</i>
Arrowtooth	<i>Atheresthes stomaia</i>	Small amounts of others	
Starry	<i>Platichthys stellatus</i>	Smelt	
Small amounts of other flatfishes		Eulachon	<i>Thaleichthys pacificus</i>
Flyingfish	<i>Cypselurus spp.</i>	Jackson-elt.	<i>Atherinopsis californiensis</i>
Greenling, kelp	<i>Hexagrammos decagrammus</i>	Nightsmelt	<i>Spirinchus starksii</i>
Grouper	<i>Microlipophryidae spp.</i>	Surf	<i>Hypomesus pretiosus</i>
Hake, Pacific	<i>Merluccius productus</i>	Smelt, whitesait	<i>Allomerus elongatus</i>
Halfmoon	<i>Medialuna californiensis</i>	Spirinchus starksii	
Halibut		Young of several others	
California	<i>Paralichthys californicus</i>	Sole	
Pacific	<i>Hippoglossus stenolepis</i>	Dover	<i>Microstomus pacificus</i>
Hardhead		English	<i>Parapristipomoides</i>
Sacramento blackfish	<i>Orthodon microlepidotus</i>	Petrale	<i>Epinephelus jacksoni</i>
Hardhead	<i>Myropharodon concolorphalus</i>	Ree	<i>Myropharodon zachirus</i>
Herring, Pacific	<i>Clupea pallasi</i>	Rock	<i>Lepidopsetta bilineata</i>
Hitch	<i>Clupeichthys exilicauda</i>	Sand	<i>Psettichthys melanostictus</i>
Lingcod	<i>Ophiodon elongatus</i>	Scalyfin	<i>Iospeuta solepis</i>
Mackerel		Small amounts of others	
Jack	<i>Trachurus symmetricus</i>	Swordfish	<i>Xiphias gladius</i>
Pacific	<i>Scomber japonicus</i>	Tuna	
Mudskipper, longjaw	<i>Gillichthys mirabilis</i>	Albacore	<i>Thunnus alalunga</i>
Opahye	<i>Girellula nigricans</i>	Bigeye	<i>Thunnus obesus</i>
Perch		Bluefin	<i>Thunnus thynnus</i>
Pompano, Pacific	<i>Pepitus simillimus</i>	Stripjack	<i>Katsuwonus pelamis</i>
Rockfish	All species of <i>Sebastodes</i> and <i>Sebastolobus</i>	Yellowfin	<i>Thunnus albacares</i>
Sablefish	<i>Anoplopoma fimbria</i>	Turbot	
Salmon		Curfin	<i>Pleuronichthys decurrens</i>
King	<i>Oncorhynchus tshawytscha</i>	Diamond	<i>Hypnosseta guttulata</i>
Silver	<i>Oncorhynchus kisutch</i>	Hornyhead	<i>Pleuronichthys verticalis</i>
Sanddab	<i>Citharichthys sordidus</i>	Small amounts of others	
Sardine	<i>Sardinops sagax</i>	Wahoo	<i>Acanthocybium solanderi</i>
Sargo	<i>Anisotremus davidsoni</i>	Whitefish, ocean	<i>Caulolatilus princeps</i>
Sculpin	<i>Scorpaena guttata</i>	Yellowtail, California	<i>Serida dorsalis</i>
Sculpin, Pacific staghorn	<i>Lepidotrigla armatus</i>		
Sea bass, giant	<i>Stereolepis gigas</i>		
Seabass, white	<i>Cynoscion nobilis</i>		
CRUSTACEANS			
Crab		Prawn	
Market	<i>Cancer magister</i>	Ridgeback	<i>Eusicyonia ingentis</i>
Rock	<i>Cancer productus</i>	Spot	<i>Pandalus platyceros</i>
	<i>Cancer antennarius</i>	Shrimp	
	<i>Cancer anthonyi</i>	Bay	<i>Crago franciscorum</i>
Sand	<i>Emerita analoga</i>		<i>Crago nigriviruda</i>
Shore	<i>Hemigrapsus oregonensis</i>	Ghost	<i>Callianassa californica</i>
	<i>Pachygrapsus crassipes</i>	Ocean	<i>Pandalus jordani</i>
Spider	<i>Loxorhynchus sp.</i>	Red	<i>Hippolytis californica</i>
Lobster, spiny	<i>Panulirus interruptus</i>		
MOLLUSKS			
Abalone		Mussel	
Black	<i>Haliotis cracherodii</i>	Bay	<i>Mytilus edulis</i>
Green	<i>Haliotis fulgens</i>	Rock	<i>Mytilus californianus</i>
Pink	<i>Haliotis corrugata</i>	Octopus	<i>Octopus spp.</i>
Red	<i>Haliotis rufescens</i>	Oyster	
White	<i>Haliotis sorenseni</i>	Eastern	<i>Crassostrea virginica</i>
Clam		Giant Pacific	<i>Crassostrea gigas</i>
Freshwater	<i>Corbicula fluminea</i>	Sea snail	<i>Liparis atlanticus</i>
Jackknife	<i>Tagelus californianus</i>	Squid	<i>Loligo opalescens</i>
Littleneck	<i>Paphia staminea</i>		
Purple	<i>Sanguinolaria nutalli</i>		
Washington	<i>Sazidomus nutalli</i>		

TABLE 1
Common and Scientific Names of Fishes, Crustaceans, and Mollusks in the 1968 Catch

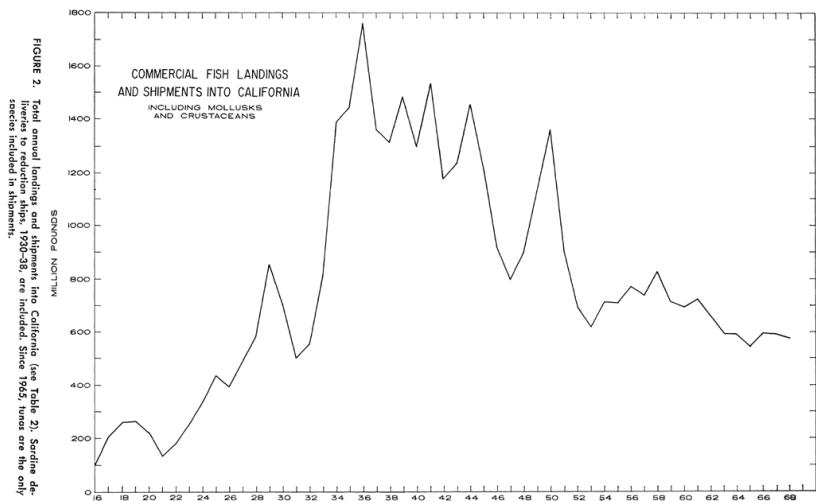


FIGURE 2. Total annual landings and shipments into California (see Table 2). Sardine deliveries to reduction ships, 1930-38, are included. Since 1965, tunas are the only species included in shipments.

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	1,528,892
1917	209,877	1942	1,173,414
1918	261,134	1943	1,234,049
1919	266,270	1944	1,459,456
1920	222,004	1945	1,216,501
1921	135,348	1946	919,822
1922	182,343	1947	795,499
1923	253,875	1948	900,467
1924	340,446	1949	1,135,339
1925	437,502	1950	1,366,676
1926	394,964	1951	904,114
1927	487,166	1952	694,996
1928	583,527	1953	618,919
1929	856,854	1954	713,410
1930	702,189	1955	710,713
1931	502,300	1956	772,551
1932	556,139	1957	738,550
1933	821,805	1958	832,919
1934	1,390,798	1959	713,423
1935	1,448,017	1960	694,663
1936	1,764,900	1961	725,253
1937	1,362,984	1962	663,107
1938	1,310,596	1963	592,899
1939	1,486,535	1964	591,131
1940	1,297,518	1965*	544,480
		1966	591,533
		1967	589,028
		1968	567,214

* Beginning in 1965 only tuna shipments are recorded.

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 *

1967				1968			
Species	Rank	Thou-sands of pounds	Thou-sands of dollars	Species	Rank	Thou-sands of pounds	Thou-sands of dollars
Yellowfin tuna	1	167,252	\$25,387	Yellowfin tuna	1	212,238	\$36,438
Skipjack tuna	2	114,959	11,767	Albacore tuna	2	76,100	18,237
Albacore tuna	3	71,748	17,193	Skipjack tuna	3	60,674	7,959
Anchovy	4	69,609	701	Jack mackerel	4	55,668	2,122
Jack mackerel	5	38,181	1,447	Anchovy	5	31,076	284
Pacific bonito	6	21,219	891	Squid	6	24,933	553
Squid	7	19,602	438	Market crab	7	16,016	3,535
Bluefin tuna	8	13,736	1,667	Pacific bonito	8	14,922	620
Market crab	9	11,716	2,033	Bluefin tuna	9	13,016	1,968
Rockfish	10	9,799	680	Rockfish	10	9,444	668
Salmon	11	7,402	3,945	Dover sole	11	8,536	578
Dover sole	12	7,215	466	Salmon	12	6,952	4,014
English sole	13	5,822	510	English sole	13	5,811	501
Abalone	14	4,422	860	Abalone	14	4,475	1,124
Sablefish	15	3,798	315	Sablefish	15	3,219	229
Petrale sole	16	2,769	355	Pacific mackerel	16	3,133	168
Miscellaneous (animal food)	17	2,596	52	Petrale sole	17	2,947	389
Rex sole	18	1,766	149	Miscellaneous (animal food)	18	2,590	52
Bigeye tuna	19	1,481	207	Ocean shrimp	19	2,275	250
Ocean shrimp	20	1,413	164	Rex sole	20	1,931	163
All others		12,523	2,221	All others		11,258	1,935
Totals		589,028	\$71,448	Totals		567,214	\$81,787

* Only the tunas are included in the shipments.

TABLE 3
Landings and Shipments of Leading Species Ranked by Pounds

TABLE 4
Number of Licensed Commercial Fishermen

Area of residence	License year*	
	1967-68	1968-69
Eureka.....	2,016	2,101
Sacramento.....	454	477
San Francisco.....	1,648	1,633
Monterey.....	757	743
Santa Barbara.....	947	915
Los Angeles.....	1,912	1,969
San Diego.....	1,600	1,613
Alaska, Washington and Oregon fishermen licensed in California.....	450	505
Mexican nationals licensed in California.....	12	6
Other.....	27	42
Totals.....	9,823	10,004

* April 1 to March 31.

TABLE 4
Number of Licensed Commercial Fishermen

TABLE 5
Number of Registered Fishing Boats by Length

License year*	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
1967-68.....	1,550	1,773	1,081	118	25	99	4,646†
1968-69.....	1,677	1,829	1,080	137	25	106	4,854‡

* April 1 to March 31.

† The owners of 485 boats were issued fishing party licenses in 1967-68.

‡ The owners of 492 boats were issued fishing party licenses in 1968-69.

TABLE 5
Number of Registered Fishing Boats by Length

TABLE 6
Origin of Shipments Received for Processing in California During 1968 *

Shipped from:	Species	Pounds shipped to each area		Total pounds
		Los Angeles	San Diego	
Oregon, Washington, Canada and Alaska:				
Tuna, albacore.....		16,246,863	38,054	16,284,917
Mexico and Central America:				
Tuna, bluefin.....		80,098	----	80,098
Tuna, skipjack.....		310,884	----	310,884
Tuna, yellowfin.....		1,835,553	----	1,835,553
Japan:				
Tuna, albacore.....		22,598,656	800,755	23,399,411
Tuna, yellowfin.....		44,978,436	1,157,031	46,136,367
China (Formosa):				
Tuna, albacore.....		320,800	----	320,800
Tuna, yellowfin.....		1,043,465	----	1,043,465
Malaya:				
Tuna, albacore.....		9,224,608	484,854	9,709,462
Tuna, big-eye.....		90,425	----	90,425
Tuna, skipjack.....		6,080,909	339,493	7,026,402
Philippines:				
Tuna, yellowfin.....		540,358	----	540,358
South Pacific Islands:				
Tuna, albacore.....		4,648,320	775,412	5,423,732
Tuna, big-eye.....		61,965	----	61,965
Tuna, skipjack.....		1,128,302	----	1,128,302
Tuna, yellowfin.....		676,832	691,416	1,368,248
Africa:				
Tuna, albacore.....		1,468,276	4,406,974	5,875,250
Tuna, yellowfin.....		1,261,548	----	1,261,548
Total pounds.....		113,211,298	8,694,889	121,906,187

* Beginning in 1965 only tuna shipments are recorded.

TABLE 6
Origin of Shipments Received for Processing in California During 1968

TABLE 7
Origin of Commercial Fish Landings and Volume of Shipments Into California During 1968

Species	Landings of catches from				Tuna shipments*	Grand total
	California waters	Waters north of State	Waters south of State	Total pounds		
Fish:						
Anchovy.....	31,076,116	----	25,966	31,076,116	----	31,076,116
Baracuda, California.....	114,534	----	140,500	140,500	140,500	140,500
Blacksmith.....	137,634	----	137,634	137,634	137,634	137,634
Bonito, Pacific.....	14,903,357	----	18,572	14,921,929	14,921,929	14,921,929
Cabezon.....	20,106	----	20,106	20,106	20,106	20,106
Carp.....	297,793	----	297,793	297,793	297,793	297,793
Croaker, white.....	941,304	----	941,304	941,304	941,304	941,304
Flounder.....	853,366	2,791	851,157	851,157	851,157	851,157
Flounder, arrowtooth.....	13,400	----	13,400	13,400	13,400	13,400
Flyingfish.....	73,207	----	384	73,591	73,591	73,591
Grouper.....	6,494	----	6,494	6,494	6,494	6,494
Hake, Pacific.....	49,532	----	85	49,617	49,617	49,617
Halibut, California.....	650,425	----	12,229	671,654	671,654	671,654
Halibut, Pacific.....	127	----	127	127	127	127
Hardhead.....	243,581	----	243,581	243,581	243,581	243,581
Herring, Pacific.....	357,869	----	357,869	357,869	357,869	357,869
Hitch.....	1,495	----	1,495	1,495	1,495	1,495
Lingcod.....	1,070,047	24,097	1,094,054	1,094,054	1,094,054	1,094,054
Mackerel, jack.....	55,650,082	----	17,600	55,667,682	55,667,682	55,667,682
Mackerel, Pacific.....	3,115,846	----	17,600	3,133,446	3,133,446	3,133,446
Opahye.....	11,173	----	11,173	11,173	11,173	11,173
Perch.....	166,398	----	1,642	168,040	168,040	168,040
Pompano, Pacific.....	260,372	----	260,372	260,372	260,372	260,372
Rockfish.....	9,312,091	101,723	130,582	9,444,396	9,444,396	9,444,396
Sablefish.....	3,179,524	39,931	----	3,219,455	3,219,455	3,219,455
Salmon.....	6,951,800	131	----	6,951,931	6,951,931	6,951,931
Sanddab.....	713,068	1,554	----	714,622	714,622	714,622
Sardine.....	124,088	----	124,088	124,088	124,088	124,088
Sealpin.....	89,512	----	35,663	125,175	125,175	125,175
Sea bass, giant.....	14,919	----	143,502	158,421	158,421	158,421
Seabass, white.....	210,050	----	651,530	861,880	861,880	861,880
Shark.....	476,069	----	23,878	499,947	499,947	499,947
Sheepshead, California.....	11,578	----	1,172	12,750	12,750	12,750
Skate.....	185,065	1,285	----	186,350	186,350	186,350
Smelt.....	443,062	----	443,062	443,062	443,062	443,062
Smelt, whitebait.....	238,061	----	238,061	238,061	238,061	238,061
Sole, Dover.....	8,040,493	405,028	----	8,535,521	8,535,521	8,535,521
Sole, English.....	5,738,574	72,864	----	5,811,438	5,811,438	5,811,438
Sole, petrale.....	2,891,797	54,808	----	2,946,605	2,946,605	2,946,605
Sole, rex.....	1,899,750	30,833	----	1,930,583	1,930,583	1,930,583
Sole, sand.....	211,376	----	211,376	211,376	211,376	211,376
Sole, miscellaneous.....	29,531	----	83	29,614	29,614	29,614
Swordfish.....	169,051	----	30,347	199,398	199,398	199,398
Tuna, albacore.....	11,617,055	2,770,875	680,229	15,077,159	61,022,572	76,099,731
Tuna, bigeye.....	3,737,291	1,125	100,558	109,558	152,390	261,948
Tuna, bluefin.....	3,737,291	1,125	9,197,850	12,036,275	80,098	13,016,373
Tuna, skipjack.....	410,713	----	58,823,928	59,234,641	1,439,186	60,673,827
Tuna, yellowfin.....	98,492	----	152,928,017	153,026,509	59,211,941	212,238,450
Turbot.....	69,368	136	----	69,504	69,504	69,504
Wahoo.....	2,116	----	6,310	6,310	6,310	6,310
Whitefish, ocean.....	22,460	----	531	2,647	2,647	2,647
Yellowtail, California.....	22,460	----	140,717	163,177	163,177	163,177
Miscellaneous.....	1,669	----	2,680,634	1,669	1,669	1,669
Miscellaneous (animal food)....	2,421,825	167,809	2,680,634	2,680,634	2,680,634	2,680,634

TABLE 7
Origin of Commercial Fish Landings and Volume of Shipments Into California During 1968

TABLE 7—Continued
Origin of Commercial Fish Landings and Volume of Shipments Into California During 1968

Species	Landings of catches from				Tuna shipments*	Grand total
	California waters	Waters north of State	Waters south of State	Total pounds		
Crustacean:						
Crab, market.....	16,015,581	----	----	16,015,581	----	16,015,581
Crab, rock.....	351,657	----	----	351,657	----	351,657
Crab, spider.....	187	----	----	187	----	187
Lobster, spiny.....	312,483	----	----	312,483	----	312,483
Prawn, ridgeback.....	426	----	----	426	----	426
Prawn, spot.....	7,239	----	----	7,239	----	7,239
Shrimp, bay.....	10,465	----	----	10,465	----	10,465
Shrimp, ocean.....	2,269,920	4,850	----	2,274,770	----	2,274,770
Mollusk:						
Abalone.....	4,474,842	219	----	4,474,842	----	4,474,842
Octopus.....	17,444	----	----	17,663	----	17,663
Oyster, eastern.....	16,166	----	----	16,166	----	16,166
Oyster, giant Pacific.....	645,553	----	----	645,553	----	645,553
Squid.....	24,932,713	----	----	24,932,713	----	24,932,713
Miscellaneous mollusk.....	1,842	----	----	1,842	----	1,842
Total pounds.....	218,299,224	3,778,969	223,229,197	445,307,390	121,906,187	567,213,577

* For origin of shipments refer to Table 6. Beginning in 1965 only tuna shipments are recorded.

TABLE 7
Origin of Commercial Fish Landings and Volume of Shipments Into California During 1968

TABLE 8
Monthly Landings and Shipments Into California During 1968

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds	
LANDINGS:														
Achovia	1,992,405	352,100	433,415	1,089,055	121,720	225,205	217,210	2,143,912	2,110,335	5,105,169	10,439,460	6,459,040	31,076,116	
Barnacle, California	771	6,912	12	20,181	3,245	44,000	11,000	3,603	4,988	13,213	29,278	7,609	100,000	
Blahog, California	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	137,683	
Bonito, Pacific	3,940,361	663,619	199,958	227,103	327,509	111,248	292,820	4,139,302	3,699,932	318,081	171,000	830,533	14,921,929	
Cabron	2,091	6,439	1,241	1,000	428	570	321	262	4,000	4,000	4,000	4,000	30,100	
Carp, -	119,325	47,228	21,850	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Carp, white	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Flounder	123,471	127,172	63,121	13,177	14,310	70,054	119,128	83,464	104,218	38,736	63,258	36,935	856,157	
Flounder, arrowtooth	1,870	3,445	395	3,200	3,198	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Frigate, oil	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Grouper	49,796	23,405	170	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Hake, Pacific	1,215	1,000	682	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Hallibut, California	53,660	121,811	91,017	55,602	42,368	59,532	102,032	56,351	25,583	19,533	23,883	22,433	671,654	
Hallibut, Pacific	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Hardhead	38,273	22,595	46,771	49,231	6,355	755	200	100	1,000	23,069	23,386	41,555	243,681	
Herring, Pacific	30,780	16,220	1,000	103,250	112,891	17,459	66,240	4,800	1,000	45	227	6,104	1,000	
Hiramasa	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Lingcod	61,158	45,500	42,053	57,891	60,595	120,698	205,628	206,633	125,831	84,605	51,357	27,335	1,094,482	
Mackerel, jack	4,001,841	2,814,632	815,118	5,247,071	5,747,705	6,379,000	3,834,000	2,934,000	2,000,000	7,300,000	7,139,000	6,700,000	\$1,000,000	14,921,929
Mackerel, Pacific	179,634	93,140	94,112	68,810	327,082	57,283	96,400	64,063	180,021	494,607	833,388	631,291	3,132,146	
Opah	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Percopidae, Pacific	18,900	15,837	25,215	28,011	3,281	3,303	11,733	29,938	14,419	6,018	4,383	6,721	168,010	
Pompano	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	
Rockfish	768,419	1,013,420	884,175	904,144	918,152	698,543	1,125,750	908,069	621,807	523,898	396,915	9,444,206	1,000	
Sabliefish	291,802	403,831	232,964	131,560	241,199	204,630	178,805	155,590	171,675	429,803	457,644	299,832	3,219,455	
Salmon	316,450	1,138,565	1,875,546	2,350,024	1,049,660	220,786	1,049,660	1,049,660	1,049,660	1,049,660	1,049,660	1,049,660	6,551,331	
Sanddabs	47,712	55,415	42,022	82,765	63,835	96,900	56,827	41,816	67,337	47,503	25,742	1,045,622	1,000	
Sardines	14,955	14,955	14,955	14,955	14,955	14,955	14,955	14,955	14,955	14,955	14,955	14,955	124,088	
Solepin	4,408	13,703	11,303	7,017	7,632	21,278	21,288	16,202	3,610	1,414	6,942	9,758	125,733	
Sea bass, giant	15,710	24,365	6,122	15,234	9,493	1,019	3,149	24,749	18,182	9,912	13,807	15,750	158,421	
Seabass, white	70,338	69,450	60,100	28,580	21,271	1,011	1,011	1,783	1,099	426	701	139	1,000	
Sheepshead, California	1,292	974	1,513	1,267	1,011	1,011	1,011	1,011	1,011	1,011	1,011	1,011	1,000	
Skate	14,131	12,787	12,427	12,560	13,241	21,100	13,241	13,241	13,241	13,241	13,241	13,241	113,241	
Snail	9,008	8,811	6,070	12,311	49,701	50,001	110,250	79,318	35,009	38,771	14,225	22,021	413,002	
Sole, shitsubai	1,000	2,000	2,000	2,000	2,000	2,000	2,000	64,015	54,403	5,161	220	11,220	238,061	
Sole, Dover	156,734	338,284	264,120	400,073	1,278,048	111,580	1,012,019	1,214,536	863,435	1,139,836	470,757	147,383	8,335,521	
Sole, English	729,321	666,401	367,384	409,747	407,288	438,153	548,900	350,027	452,248	354,000	354,000	354,000	1,115,458	
Sole, porbeagle	283,091	304,400	188,220	225,068	279,794	198,172	258,742	230,581	230,581	230,581	230,581	188,511	209,699	

Sole, rex.....	172,541	185,929	110,532	120,351	131,352	140,934	207,336	210,651	160,971	189,528	132,631	120,085	1,690,953
Sole, sand.....	26,091	30,507	15,885	4,273	303	5,269	1,581	13,175	21,680	33,029	33,953	211,373	
Sole, miscellaneous.....	2,480	4,792	4,205	1,413	1,334	1,261	3,622	4,067	1,546	24,290	2,076	2,766	29,614
Swordfish, albacore.....	—	—	—	—	502	10,703	41,517	58,691	30,445	18,650	2,876	1,698	108,988
Tuna, albacore.....	—	—	—	—	—	—	288,012	2,119,267	5,350,051	6,787,406	492,901	32,571	15,077,139
Tuna, bigeye.....	—	—	—	—	—	—	21,594	24,946	8,115	—	—	—	33,503
Tuna, bluefin.....	—	—	—	—	—	—	3,073,860	4,305,076	4,493,003	1,029,712	15,634	18,990	12,930,275
Tuna, yellowfin.....	—	—	144,593	382,057	3,144,088	5,495,155	10,755,555	6,754,474	2,119,317	3,876,099	1,791	6,714	10,780,857
Turbot.....	925,151	35,338,068	30,481,831	31,703,339	14,182,222	21,027,447	7,897,537	10,400,099	1,112,448	4,415,765	1,046,600	1,034,569	59,231,441
Turbot.....	8,092	14,234	10,402	5,571	5,059	3,846	2,444	4,235	7,085	5,051	2,119	60,504	
Wahoo.....	—	3,400	—	—	—	2,910	—	—	—	—	—	—	6,310
Whitefish, ocean.....	—	—	—	51	50	37	100	669	441	28	14	265	2,647
Yellowtail, California.....	13,093	9,482	2,057	1,673	3,499	3,012	2,268	10,063	11,691	22,460	41,060	37,671	167,777
Miscellaneous.....	13,093	—	3	—	90	738	3,07	221	101	—	133	331	5
Miscellaneous (animal food).....	93,740	102,087	198,869	171,859	297,536	320,676	398,560	360,920	321,340	314,981	98,888	29,757	2,580,634
Crustaceans:													
Crab, market.....	4,737,539	2,663,045	885,408	483,977	388,402	31,260	606	—	—	451,510	6,392,684	16,015,581	
Crab, rock.....	35,219	25,029	27,253	33,078	27,090	22,872	39,679	36,829	26,412	25,507	27,132	25,207	331,587
Crab, stone.....	—	—	—	—	187	—	—	—	—	—	—	—	
Lobster, spiny.....	60,212	39,260	23,200	—	—	—	—	—	—	99,446	53,236	46,132	312,833
Prawn, ridgeback.....	—	—	—	—	—	—	—	—	—	—	426	426	
Prawn, spot.....	2,849	2,107	405	162	1,153	349	—	2,150	1,070	—	599	1,116	7,239
Shrimp, bay.....	940	685	2,049	1,870	762,110	890,883	519,435	84,840	18,940	200	390	45	7,045
Shrimp, weak.....	—	—	—	—	—	—	—	—	—	—	—	—	2,27,470
Mollusks:													
Abaokite.....	305,303	—	235,232	43,662	41,204	503,630	489,847	422,129	509,306	389,744	314,301	375,328	4,474,842
Octopus.....	2,942	5,175	2,584	1,463	1,774	1,290	1,301	1,287	200	518	251	17,663	
Oyster, eastern.....	1,934	1,350	1,212	791	1,152	1,075	1,333	1,483	1,643	1,570	1,765	1,765	18,230
Oyster, giant Pacific.....	82,321	75,605	73,474	82,140	71,593	27,881	20,341	21,319	18,753	61,056	42,030	64,872	645,533
Scallop.....	3,887,515	4,586,760	7,049	583,560	8,122,459	4,815,805	2,620,700	1,45,569	811,940	26,142	9,545	986,268	21,703,563
Miscellaneous mollusk.....	—	630	596	616	—	—	—	—	—	—	—	1,842	
Total pounds.....	22,382,701	19,331,045	42,650,541	41,979,539	57,223,231	43,802,275	49,697,743	34,712,614	29,520,874	33,927,850	33,028,351	36,946,303	445,397,390
SHIPMENTS:^a													
Fish:													
Tuna, albacore.....	2,709,166	5,988,038	6,14,603	3,904,812	1,088,746	942,298	4,148,364	12,534,877	10,230,118	5,591,005	803,486	5,576,450	61,002,572
Tuna, bigeye.....	—	58,771	41,435	—	—	—	—	—	—	—	—	—	182,30
Tuna, bluefin.....	—	—	—	—	—	—	—	—	—	—	—	—	80,908
Tuna, skipjack.....	—	—	—	—	—	—	—	—	—	—	—	—	1,439,186
Tuna, yellowfin.....	2,786,699	703,915	3,776,714	4,437,185	6,493,912	3,498,888	7,000,365	5,495,384	4,025,674	9,004,148	4,224,714	3,982,603	50,111
Total pounds.....	5,498,865	6,833,329	10,433,542	8,341,997	12,049,190	4,734,566	11,539,526	18,328,769	14,255,792	15,201,058	5,028,200	9,559,061	121,906,157
Grand total:	27,861,569	23,166,371	\$3,084,383	53,321,538	69,372,441	48,536,841	61,337,569	53,041,383	43,782,666	49,128,903	38,054,551	48,505,364	567,213,577

* For origin of shipments refer to Table 6. Beginning in 1965 only tuna shipments are recorded.

TABLE 8—Cont'd.

TABLE 9
Monthly Landings of Commercial Fishing Boats in the Eureka Area During 1968

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds	
LANDINGS FROM: California waters:														
Fish:														
Bonito, Pacific.....	---	---	---	---	---	---	---	48	---	---	---	---	48	
Cod.....	---	---	---	---	---	---	---	40	---	---	---	---	45	
Flounder, green.....	69,435	88,590	10,503	2,095	12,478	85,200	111,453	74,630	72,620	16,100	35,067	15,872	327,355	
Flounder, arrowtooth.....	1,470	2,490	565	600	2,080	3,165	---	---	---	---	---	150	10,460	
Hallibut, California.....	---	---	---	---	---	---	---	---	---	---	---	---	40	
Hallibut, Pacific.....	18,643	26,325	26,245	41,542	57,188	82,151	108	19	105,325	45,431	31,614	12,068	758,814	
Lingcod.....	1,140	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,280	2,45	
Mackerel, jack.....	7,797	6,884	10,518	5,883	---	---	3,780	10,662	2,651	1,158	649	828	61,701	
Pewit.....	221,399	283,038	209,667	228,876	210,300	166,919	397,743	387,062	277,737	199,143	139,165	81,057	2,802,396	
Rooftail.....	---	---	---	---	---	---	17	17	17	17	17	17	17	
Sabretooth.....	150,103	237,166	128,970	69,753	129,305	76,040	35,983	58,053	111,383	312,859	246,786	153,512	1,710,753	
Salmon.....	12,305	18,233	17,430	62,932	743,160	1,056,883	1,496,275	612,761	92,591	45,448	8,150	10,056	11,100	4,064,312
Sanddab.....	47	145	---	---	---	---	17	17	90	312	742	300	1,683	
Skate.....	---	---	---	4,130	7,785	8,743	4,097	7,462	7,299	10,987	4,856	---	50,426	
Smelt.....	130	71	624	19,010	23,381	65,094	38,963	22,492	7,154	362	---	---	177,281	
Smalltooth sand.....	291	22,200	20,200	20,200	20,200	20,200	20,200	20,200	20,200	20,200	20,200	20,200	237	
Sole, Dover.....	150,284	221,338	118,575	350,067	1,091,887	1,067,703	894,635	1,159,563	828,586	1,112,556	449,144	147,238	7,699,406	
Sole, English.....	309,238	374,942	184,329	258,425	206,638	208,102	420,697	369,735	407,382	194,312	116,200	55,749	3,626,359	
Sole, petraleo.....	211,203	203,203	97,251	120,000	120,000	119,655	165,075	29,100	162,217	183,200	183,200	183,200	1,250,714	
Sole, sand.....	99,856	125,766	68,472	99,040	98,315	124,820	188,004	103,550	158,282	146,213	94,442	99,380	1,489,106	
Sole, sand.....	140	240	160	160	564	564	60	60	60	80	60	60	2,847	
Sole, miscellaneous.....	---	---	8	233	77	30	232	232	232	232	232	232	600	
Tuna.....	---	---	---	---	---	25,159	1,480,747	1,779,750	1,779,750	1,779,750	1,779,750	1,779,750	3,441,113	
Turbot.....	---	---	43	220	267	55	245	245	245	450	500	500	1,820	
Miscellaneous.....	85,153	86,236	75,720	139,148	194,854	236,186	214,216	193,171	244,480	237,033	30,116	7,439	1,743,734	
Crustaceans:														
Crab, market.....	4,656,661	2,582,753	849,687	472,903	370,848	28,734	606	115	150	40	55	200	6,204,462	
Crab, rock.....	---	---	---	---	185	225	115	150	40	55	25	20	815	
Shrimp, ocean.....	---	---	---	---	745,335	871,770	464,003	---	---	---	---	---	2,079,110	

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TABLE 9
Monthly Landings of Commercial Fishing Boats in the Eureka Area During 1968

Mollusk:													
Octopus.....	155	124	199	154	248	238	336	239	105	37	44	117	2,272
Oyster, giant Pacific.....	54,388	49,960	50,140	60,586	55,129	51,152	4,344	6,728	6,390	36,245	10,064	25,516	362,189
Miscellaneous mollusk.....	620	436	470	1,539
Total pounds.....	6,055,512	4,399,229	1,863,714	1,964,110	4,150,465	4,317,068	4,737,782	5,011,177	4,388,911	2,956,401	1,331,791	6,995,463	47,878,553
Waters north of State:													
Fish:													
Flounder.....	122	210	7,303	314	30	2,115	2,701
Lingcod.....	392	1,063	7,303	652	6,567	6,563	1,137	24,007
Rockfish.....	6,490	5,788	20,985	869	22,405	18,165	10,639	1,004	4,688	101,723
Sablefish.....	12,497	5,873	12,497	2,737	4,377	3,207	4,911	30,431
Salmon.....	131	131
Sanddab.....	157	154	471	656	116	1,554
Shore.....	1,282	1,285
Sole, Dover.....	135,031	36,091	101,352	6,000	88,701	79,165	15,172	10,523	21,229	48,928
Sole, English.....	2,249	15,899	18,371	7,066	3,267	4,290	21,122	72,825
Sole, Verde.....	2,482	10,692	21,040	3,037	9,301	3,840	4,500	51,808
Sole, rex.....	5,515	5,341	8,910	1,071	1,167	2,482	4,605	1,742	30,333
Turbot.....	136	136
Miscellaneous (animal food).....	12,325	9,126	58,317	29,979	48,664	9,398	167,309
Crustacean:													
Shrimp, ocean.....	4,850	4,850
Mollusk:													
Octopus.....	219	219
Total pounds.....	178,630	94,194	258,738	21,102	162,569	168,299	59,622	22,011	32,264	997,969
Grand total.....	6,055,512	4,399,229	2,042,344	2,058,304	4,418,203	4,338,170	4,900,291	5,179,475	4,446,533	2,678,012	1,364,055	6,995,463	48,878,622

TABLE 9—Cont'd.

TABLE 10
Monthly Landings of Commercial Fishing Boats in the San Francisco Area During 1968 *

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM: California waters:													
Fish:													
Anchoa.....	1,000	2,000	3,480	7,023	9,000	7,960	7,560	13,440	51,463
Buition, Pacific.....	110	40	24	760	25	809	910
Cabeson.....	870	19,295	21,650	1,000	14,785	41,210	32,400	297,793
Carp.....	119,325	47,025	19,295	21,650	1,082	1,702	210	1,431	2,291	1,390	1,073	65	15,628
Croaker, white.....	465	3,075	595	746
Flounder.....	45,708	61,271	36,718	5,694	1,384	10,769	3,338	3,690	21,444	16,245	19,332	14,100	218,693
Flounder, arrowtooth.....	400	655	1,130	515	3,000
Hake, Pacific.....	1,000	500
Hake, California.....	22,603	58,155	32,872	4,456	368	2,138	14,192	16,891	14,332	10,731	9,450	4,835	191,003
Hardhead.....	38,273	22,605	46,771	40,231	6,355	755	200	100	23,000	23,300	41,555	213,581
Herring, Pacific.....	39,780	16,220	175	60	53,235
Hitch.....	1,055	350	220	1,145
Langostino.....	6,744	12,282	8,137	9,102	17,882	20,817	25,102	34,168	12,342	13,088	9,455	6,338	188,337
Mackerel, jack.....
Percid.....	1,123	2,282	5,115	9,935	506	1,601	631	531	280	554	22,698
Rockfish.....	87,611	78,591	29,725	36,924	28,008	48,003	22,021	48,250	40,340	67,001	50,101	36,783	584,131
Sablefish.....	12,229	20,175	9,415	12,936	306,843	67,201	717,388	318,893	80,383	6,090	8,135	5,665	137,280
Salmon.....	23,099	22,110	15,975	1,000	30,000	17,000	17,500	24,000	20,000	30,969	29,805	11,590	540,903
Sealions, white.....	49	50	21	146	90	56	400
Shark.....	13,145	9,243	3,541	2,006	360	3,928	2,203	2,037	7,932	6,746	6,616	1,694	59,689
Skate.....	6,000	6,000	6,950	3,488	3,401	6,880	2,000	1,490	3,120	9,367	7,183	6,056	62,725
Smelt.....	36,000	2,191	1,821	18,000	17,111	14,111	13,168	7,711	6,801	4,550	600	53,410
Smelt, whitetail.....	115	1,000	1,632	1,580	220	400	5,944
Sole, Dover.....	16,651	10,785	12,350	73,544	28,332	39,368	51,812	8,407	14,313	255,692
Sole, English.....	352,342	217,994	8,4110	74,515	92,237	76,850	67,929	120,273	97,412	105,018	180,000	137,536	1,097,246
Sole, petrale.....	52,000	48,000	48,000	48,000	251	32,000	42,000	32,000	20,000	23,000	20,000	15,000	1,077,575
Sole, sand.....	34,440	26,263	19,745	14,093	11,092	3,609	9,110	10,000	14,507	29,110	15,540	5,945	201,955
Sole, sand.....	16,508	28,129	13,355	1,460	235	4,845	837	12,152	18,000	21,030	31,015	17,611	201,955
Sole, sand.....	460	1,031	1,051	1,051	73	24	1,111	5,463
Tuna, albacore.....	7,156	11,580	5,880	3,640	1,640	2,050	12,017	112,030	651,788	118,407	68,388	1,355	983,290
Tuna, albacore.....	955	4,235	5,085	3,935	50,270
Miscellaneous.....	7,156	25	8	316	349

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TABLE 10
Monthly Landings of Commercial Fishing Boats in the San Francisco Area During 1968

Crustacean:																				
Crab, market.....	80,872	80,208	18,421	9,892	6,013	2,514	2,100	1,070	451,231	187,826	\$86,677	10,465	45	300	200	
Shrimp, bay.....	940	688	2,040	1,570	1,125	500	55,460	84,840	15,040	190,810	
Shrimp, ocean.....	13,555	18,315	
Mollusk:																				
Oceanus.....	2,400	400	1,200	2,150	5,797	1,255	430	132	375	880	15,101	
Octopus.....	1,912	5,227	2,313	729	1,311	1,055	790	410	105	90	470	86	11,530	
Oyster, eastern.....	1,806	1,350	894	1,212	1,281	1,152	1,006	1,333	1,388	1,642	1,376	1,925	16,166	
Oyster, giant Pacific.....	1,150	10,300	7,841	7,070	7,000	8,500	7,000	5,000	2,777	1,850	1,000	1,000	29,043	180,443	100	
Squid.....	160	146	100	306	
Miscellaneous mollusk.....	
Grand total.....	979,645	823,951	416,438	468,108	709,282	1,021,547	1,100,117	949,724	1,078,202	643,319	1,020,141	577,752	9,785,224							

* Includes Sacramento area landings.

TABLE 10—Cont'd.

TABLE 11

Monthly Landings of Commercial Fishing Boats in the Monterey Area During 1968

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM: California waters:													
Fish:													
Alice, gray.....	1,697,260	56,000	278,200	835,500	3,600	54,200	18,800	2,056,220	2,359,750	327,520	412,000	202,200	8,501,700
Bonito, Pacific.....	522	45	—	—	—	—	—	—	—	2,042	380	1,075	4,075
Cabronet.....	1,497	3,710	713	—	45	—	60	94	80	287	3,729	2,521	12,738
Cod, white.....	11,960	7,960	3,315	2,455	8,760	5,315	10,300	31,866	26,123	40,506	15,064	17,521	105,157
Flounder.....	7,260	4,558	4,200	1,598	7,050	1,945	3,903	5,024	8,035	6,382	6,839	6,953	50,764
Hake, Pacific.....	—	—	—	—	650	400	440	—	—	773	748	4,529	4,529
Hallibut, California.....	10,343	9,946	6,651	708	2,779	21,430	14,223	—	—	—	—	—	4,400
Herring, Pacific.....	—	—	—	—	—	—	—	66,240	4,800	—	—	—	304,634
Lamprey.....	15,481	7,571	3,932	—	102,350	11,984	17,450	3,260	11,200	1,036	3,563	8,161	4,550
Mackerel, jack.....	437,000	6,875	19,950	13,165	26,805	17,036	19,928	356,505	11,899	9,450	41,850	—	960,612
Perch.....	733	1,249	1,387	4,650	20	264	2,094	1,967	308	310	685	13,727	—
Pompano, Pacific.....	741	156	130	879	9,799	1,588	5,314	18,040	21,217	13,009	79	190	71,748
Rockfish.....	138,000	192,957	247,057	338,000	29,072	248,000	200,000	210,000	232,000	100,000	100,000	100,000	2,400,000
Sablefish.....	129,298	145,091	101,715	55,017	87,651	115,880	117,563	80,620	97,310	109,257	198,122	140,646	1,329,869
Salmon.....	—	—	—	—	122,698	89,421	125,016	112,969	97,502	34,029	—	—	572,605
Sandlub.....	11,696	14,693	10,955	8,153	18,190	12,581	18,340	22,338	15,773	20,169	13,510	6,235	172,631
Scallop.....	—	—	—	—	—	—	1,131	120	20	—	—	—	1,243
Sea bass, giant.....	—	—	—	—	—	—	796	599	2,457	—	66	—	66
Sea bass, white.....	175	201	97	37	—	—	—	—	—	—	—	—	—
Shad.....	3,550	2,772	445	430	2,104	5,580	8,384	4,660	1,030	1,043	1,574	1,099	40,020
Skate.....	7,651	4,962	5,490	4,545	6,045	4,203	8,837	4,683	5,075	5,383	5,437	5,035	68,600
Stell.....	7,355	4,703	3,233	773	4,094	2,006	6,056	3,841	2,981	8,962	4,971	4,917	49,317
Sole, Dover.....	450	205	533	705	7,945	12,215	15,570	13,870	3,810	725	320	145	56,615
Sole, green.....	30,340	29,227	42,927	36,080	68,020	51,142	52,000	29,000	36,765	26,100	14,000	12,934	141,141
Sole, petrale.....	12,182	22,420	29,817	16,906	44,020	23,430	37,697	26,935	5,723	19,665	8,260	3,675	218,362
Sole, rex.....	22,167	19,856	15,335	7,265	13,570	7,606	5,410	7,125	7,860	6,995	9,795	1,300	124,377
Sole, sand.....	8,175	905	1,670	2,725	—	415	70	2,780	2,570	2,727	3,115	22,032	—
Sole, white.....	1,240	2,920	1,000	846	50	1,187	65	2,271	1,211	2,147	2,000	11,880	—
Tuna, albacore.....	—	—	—	—	—	—	1,586	22,339	874,452	506,891	13,043	—	1,421,311
Turbot.....	15	—	—	—	—	—	—	—	—	70	—	85	—
Miscellaneous.....	—	—	—	—	50	705	—	188	—	—	—	—	945

FISH BULLETIN
NOVEMBER 1969TABLE 11
Monthly Landings of Commercial Fishing Boats in the Monterey Area During 1968

Crustacean:												
Crab, rock	218	5	204	74	58	---	---	79	333	1,091		
Crab, rock	23	---	406	162	---	---	---	81	151	194		
Prawn, spot	2,849	2,107	---	---	---	---	---	599	1,116	7,239		
Mollusk:												
Octopus	161	103	65	153,707	5,106,889	4,150,400	2,614,600	1,487,650	811,750	253,956	37	381
Squid	---	---	---	---	---	---	---	---	---	---	---	14,578,091
Grand total	2,550,075	540,640	776,469	1,716,215	6,004,230	4,845,611	3,481,719	4,532,884	4,341,357	1,703,263	906,375	492,325
												31,853,143

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TABLE 11—Cont'd.

TABLE 12
Monthly Landings of Commercial Fishing Boats in the Santa Barbara Area During 1968

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM: California Waters:													
Fish:													
Ashley.....	2,775	132,960	4,000	11,310	8,370	10,970	16,865	19,620	20,945	815,500	2,235,740	729,400	4,007,935
Barnacles, California.....	2,775	132,960	4,000	11,310	8,370	10,970	16,865	19,620	20,945	815,500	2,235,740	729,400	4,007,935
Bonito, Pacific.....	60,085	61,740	10,473	358	103	3,923	1,329	4,405	4,579	1,658	116,630	251,770	9,389
Cod, California.....	1,171	1,520	---	36	21	421	187	172	69	1,021	3,349	4,332	9,389
Cowfish, white.....	---	775	---	---	8	---	13,835	435	---	383	83	---	15,821
Flounder.....	508	2,719	11,070	2,831	150	20	35	80	6	---	45	227	17,469
Hake, Pacific.....	2,775	132,960	4,000	11,310	8,370	10,970	16,865	19,620	20,945	815,500	2,235,740	729,400	4,007,935
Hallibut.....	8,572	25,065	22,912	26,323	31,032	48,175	50,630	10,838	1,035	1,403	2,040	3,349	231,718
Lingcod.....	9,089	3,167	3,279	2,608	4,924	5,208	7,489	6,373	1,700	2,015	2,368	1,249	50,550
Mackerel, jack.....	307,700	385,070	187,020	284,970	75,050	1,211,380	864,225	461,300	153,750	210,350	---	4,251,015	1,211,380
Murch., jack.....	4,696	3,217	1,627	3,072	---	912	1,970	950	609	674	1,184	18,990	1,970
Pompano, Pacific.....	320	200	---	18	---	18	14	14	14	14	14	14	2,145
Rockfish.....	106,821	355,787	283,114	197,402	177,075	192,872	329,607	228,381	271,105	191,144	185,405	124,517	2,618,000
Sabrefish.....	---	---	---	905	8,441	16,955	23,391	22,492	48,301	---	---	905	---
Sailfish.....	---	---	---	---	---	---	---	---	---	---	---	---	116,43
Sandlsh.....	314	60	---	---	---	---	---	---	20	---	---	424	60
Sardine.....	---	19,890	---	---	---	---	---	---	---	---	---	19,890	19,890
Scorpion.....	---	18	170	---	---	17	---	---	---	---	---	187	187
Sole, California.....	140	18	228	86	71	356	---	---	---	---	156	375	375
Soleas, white.....	3,710	819	134	1,377	3,683	4,638	4,561	9,117	4,829	2,688	3,399	4,802	43,657
Sole, jack.....	2,487	2,924	2,510	1,906	45,144	64,291	14,150	9,410	2,169	7,750	4,752	3,635	161,128
Soleashead, California.....	94	52	22	156	517	517	517	517	517	517	517	517	881
Sole, sand.....	480	605	97	357	224	355	56	198	56	114	210	31,165	31,165
Sole, Dover.....	---	---	250	1,340	5,170	6,745	9,655	7,100	1,280	70	70	70	31,600
Sole, English.....	36,884	44,212	51,148	21,042	15,297	12,679	10,939	18,914	30,994	31,200	16,605	315,300	315,300
Sole, petrale.....	12,888	29,345	27,201	31,915	23,647	15,110	28,659	23,697	11,403	8,154	9,053	10,198	231,900
Sole, sand.....	10,020	9,978	6,000	3,070	2,255	3,470	3,945	6,305	4,035	4,510	10,072	13,840	81,412
Sole, sand.....	4,668	1,333	860	60	400	416	203	112	48	10	55	60	7,896
Sole, miscellaneous.....	350	2,369	2,774	1,086	---	---	183	8,115	16,910	11,907	919	657	37,582
Swordfish.....	---	---	---	---	---	---	4,227	72,021	1,110,623	922,396	14,192	7,323	2,131,154
Tuna, blue.....	---	---	---	---	---	---	354	354	354	354	354	354	354
Tuna, skipjack.....	---	---	---	---	---	---	340	555	556	294	294	294	17,193
Turbot.....	882	2,694	4,542	1,937	3,276	1,410	297	340	48	48	48	48	98
Whiting.....	---	---	---	---	7	---	---	---	---	---	---	---	7
Yellowtail, California.....	---	---	---	---	---	---	---	---	---	---	---	---	12
Miscellaneous.....	---	---	---	---	---	---	12	12	12	12	12	12	12
Miscellaneous (animal food).....	8,605	16,451	20,885	23,555	44,365	84,490	154,755	118,782	76,390	68,550	35,442	22,318	678,091

Crustacean:																
Crab, market.....	88	79	99	1,108	543	102	9,683	8,359	7,969	6,329	8,035	12	2,029			
Crab, rock.....	7,692	8,918	6,667	13,252	10,783	9,325	21,390	16,518	11,819	109,031			
Crab, spider.....				187	187			
Lobster.....	23,405	18,759	12,595	21,390	16,518	19,315	117,722			
Prawn, ridgeback.....	426	426			
Mollusk:																
Avalone.....	286,455	112,208	227,490	188,049	237,064	224,211	192,514	237,607	137,042	96,003	194,060	2,155,133			
Oyster.....	16,133	14,380	15,485	14,078	12,005	14,379	8,209	5,151	4,816	9,016	12,587	12,771	28	140,739		
Oyster, giant Pacific.....	402,255	1,532,970	195,315	28,040	2,000	67,100	5,300	426,265	2,060,305			
Squid.....																
Grand total.....	1,387,059	2,668,706	987,688	905,248	666,029	2,011,398	1,797,389	1,241,135	2,022,797	2,486,169	2,657,939	1,723,741	20,552,278			

TABLE 12—Cont'd.

TABLE 13
Monthly Landings and Shipments of Commercial Fish Into the Los Angeles Area During 1968

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM:													
California Waters;													
Fish:													
Anchoa.....	292,220	183,140	181,105	212,215	105,790	158,035	175,265	61,040	21,000	3,843,840	7,751,100	5,513,000	18,514,920
Barnacles, California.....			6,578	12	15,455	6,035	37,027	5,791	5,101	172	6	6,357	81,254
Blacksmith.....													137,034
Bonito.....													14,247,111
Croaker, white.....	3,862,327	611,708	186,475	221,055	323,000	321,931	273,151	41,225	3,080,221	300,000	168,355	701,410	14,247,111
Flounder.....			50,039	67,399	211,450	47,188	55,290	20,802	59,592	45,570	2,768	83,024	9,312
Herring.....													85
Haddock.....													72,909
Hallibut, California.....													19,337
Lingcod.....	4,506	24,040	2,100	20,171	9,083	8,462	13,411	10,034	1,280	3,464	6,372	6,158	129,505
Mackerel, 121			37									415	505
Mackerel, jack.....	3,200,141	2,405,107	607,548	4,918,026	5,644,024	5,634,181	2,911,055	2,105,110	2,412,218	7,000,200	7,002,137	6,701,203	50,436,100
Mackerel, Pacific.....	179,122	75,505	94,060	68,239	325,609	54,350	96,019	64,953	159,561	49,507	863,373	631,201	9,110,549
Opah.....			1,302	157	1,075	615	849	1,150	3,780	302	10,758		
Percula.....													3,423
Pompano, Pacific.....	4,244	2,133	2,429	4,257	1,241	4,497	4,497	4,497	4,497	1,447	1,447	1,447	14,615
Rockfish.....	16,572	14,693	24,324	16,568	28,705	20,716	38,246	10,309	4,186	7,796	3,007	10,117	195,439
Sabinefish.....	144,123	55,923	70,317	46,968	55,551	25,697	39,331	2,709	10,298	22,540	23,330	58,346	534,479
Salmon.....	115	902											617
Seabass.....													35
Sardine.....													148
Sardine.....	12,965	6,242	6,606	736	56,485	1,677	2,234	305	8,659	4,024	955	----	100,821
Solepin.....	440	1,808	67	90	1,236	1,071	250	1,154	647	158	439	294	7,684
Sea bass, giant.....	281	357	372	233	341	713	2,406	3,205	1,485	82	44	92	9,507
Seabream.....	5,504	1,510	3,250	3,241	6,014	1,521	2,211	2,211	1,447	2,001	563	917	60,910
Shark.....	5,087	1,194	3,240	5,558	18,885	4,800	11,421	7,105	9,203	3,012	3,106	2,949	76,634
Sheepshead, California.....	431	308	1,058	425	1,013	234	68	222	135	42	107	183	4,326
Skinfish.....													59
Sole.....	1,247	1,700	35	2,030	8,173	13,430	25,832	28,795	2,635	18,550	13,025	16,818	133,470
Sole, English.....													245
Sole, petrale.....													166
Sole, miscellaneous.....													663
Swordfish.....						502	9,784	20,567	37,842	23,095	19,011	1,079	113,880
Tuna, bluefin.....													2,037,117
Tuna, skipjack.....													3,666,833
Tuna, yellowfin.....			78										399,830
Whitefish, ocean.....													51,029
Yellowtail, California.....			285										247
Miscellaneous.....													4,325
Crustacean:													255
Crab, rock.....	25,283	15,423	19,472	19,824	16,092	13,322	29,881	25,320	18,003	16,080	17,789	13,053	231,855
Lobster, spiny.....	26,208	14,896	6,174	-----	-----	-----	-----	-----	-----	32,602	14,234	14,691	108,805

FISH
BULLETIN
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TABLE 13
Monthly Landings and Shipments of Commercial Fish Into the Los Angeles Area During 1968

Mollusk:												
Avalon.....	16,455	---	83,541	148,013	102,533	169,339	181,589	162,921	162,924	160,847	176,259	135,811
Octopus.....	108	21	---	---	---	---	---	---	---	---	2	131
Squid.....	3,185,220	3,123,545	512,535	182,250	13,500	97,800	800	---	---	8,337	9,545	560,000
Total pounds.....	11,953,358	6,594,568	2,013,231	6,006,414	6,958,088	6,419,124	3,627,084	8,533,692	8,805,052	14,789,307	16,462,461	11,432,099
Waters north of State:												
Fish:												
Tuna, albacore.....	---	---	---	---	---	---	---	---	255,892	2,489,825	29,630	2,775,617
Tuna, bluntn.....	---	---	---	---	---	---	---	---	1,125	---	1,125	---
Total pounds.....	---	---	---	---	---	---	---	255,892	2,480,950	29,630	2,776,742	---
Waters south of State:												
Fish:												
Barracuda, California.....	1,355	---	475	---	---	1,590	---	---	12,885	130	13,653	12,885
Bonito, Pacific.....	412	26,465	---	170	---	17,600	10,150	18,110	38,040	58,670	207,462	17,133
Grouper.....	85	---	61	143	---	---	180	---	9	329	722	85
Haddock, California.....	---	---	---	---	---	---	---	---	---	---	---	---
Mackerel, California.....	17,600	---	---	---	---	---	---	---	---	---	17,600	---
Mackerel, Pacific.....	17,600	---	---	---	---	---	---	---	---	---	17,600	---
Porgy.....	34,222	19,117	6,570	3,406	4,701	---	2,700	6,775	7,805	13,370	22,493	121,551
Sea bass, giant.....	10,120	21,812	4,030	13,535	8,432	179	20,965	16,435	8,207	13,127	9,939	120,841
Seabass, white.....	52,911	55,707	80,212	48,812	21,325	148	15,695	16,155	78,710	68,860	109,016	62,628
Shark.....	980	115	200	1,155	---	---	5,000	---	925	720	9,472	9,472
Shrimps, California.....	415	115	---	---	---	83	---	---	70	620	83	83
Sole, miscellaneous.....	---	---	---	---	---	3,000	---	---	---	---	3,000	---
Swordfish.....	---	---	---	---	40,263	55,331	10,623	39,514	---	146,034	146,034	31,109
Tuna, albacore.....	---	---	---	---	21,994	---	1	1	---	1	1	1
Tuna, bigeye.....	---	---	---	---	2,245,453	1,820,429	2,456,173	107,576	---	6,383,252	6,383,252	1
Tuna, skipjack.....	144,096	213,106	2,392,526	5,216,718	7,701,172	5,607,429	2,213,398	2,047,021	5,382,312	3,205,729	9,180,055	44,776,405
Tuna, yellowfin.....	924,605	29,518,350	21,399,361	19,858,069	9,506,004	18,622,954	4,934,300	1,476,329	992,104	2,917,941	1,243,539	112,850,740
Wahoo.....	3,400	---	---	2,790	---	---	---	---	---	---	449	449
Whiting, common.....	412	---	---	7	---	---	---	---	---	---	1	1
Yellowtail, California.....	12,925	8,065	2,057	1,337	1,085	300	320	935	5,555	21,221	40,311	33,476
Total pounds.....	155,182	1,237,192	30,655,240	23,825,737	25,138,715	17,211,530	26,830,114	8,861,627	7,010,054	6,625,894	6,450,583	10,624,343
SHIPPMENTS:^a												
Fish:												
Tuna, albacore.....	2,709,166	5,779,440	6,615,003	3,600,881	1,746,872	898,505	4,071,121	9,890,547	7,541,880	5,591,005	803,486	5,345,820
Tuna, bigeye.....	---	55,73	41,825	---	54,792	---	80,058	---	---	---	---	132,290
Tuna, bluntn.....	---	---	---	---	---	996,710	293,580	1,140,700	287,598	---	---	80,968
Tuna, yellowfin.....	2,789,699	703,015	3,407,657	4,254,985	8,603,118	3,498,688	7,203,376	4,714,568	4,025,674	9,531,108	4,224,714	3,825,399
Total pounds.....	5,498,863	6,629,138	10,151,685	7,855,890	11,014,492	4,600,770	11,562,553	14,999,223	11,570,554	15,122,803	5,028,200	9,174,139
Grand total:	16,707,405	14,460,828	42,823,296	37,688,017	43,111,295	28,231,424	42,028,781	32,394,442	27,651,122	38,019,954	27,371,174	34,230,563
^a or origin of shipments refer to Table 6. Beginning in 1965 only tuna shipments are recorded.												

MARINE FISH CATCHES
1968

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TABLE 13—Cont'd.

TABLE 14

Monthly Landings and Shipments of Commercial Fish Into the San Diego Area During 1968

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM:													
California waters:													
Fish:													
Barracuda, California...	771	334	20	3,590	1,610	5,936	5,219	1,319	155	234	940	806	20,914
Bonito, Pacific...	1,865	36	689	385	11,763	13,031	15,370	2,263	1,399	71	276	45,271	11
Cod, Pacific...	221	29	490	770	136	510	605	340	180	120	675	1,178	8,415
Croaker, white...	2,343	1,098	490	127	127	127	127	127	127	127	127	127	127
Flyingfish...	---	---	---	---	---	---	---	---	---	---	---	---	---
Harmless...	1,162	3,685	8,107	471	6,694	6,456	4,395	4,867	2,310	155	85	30,195	11
Herring, California...	7,451	3,685	8,107	1,189	519	847	117	2,262	2,151	3,105	1,399	1,201	27,427
Lingcod...	80	115	50	50	55	11	14	8	8	26	118	427	80
Mackerel, jack...	512	35	52	277	413	2,896	457	60	106	15	90	459	1,459
Opah...	---	---	---	---	---	100	---	---	---	---	---	---	375
Perc...	127	86	709	2,735	2,668	1,574	726	737	110	128	1,398	10,036	11
Rooifish...	39,003	29,000	34,380	41,213	43,818	15,305	18,515	9,485	4,727	8,796	17,347	15,734	277,013
Sardine...	---	---	7	---	---	---	---	---	2,000	---	---	---	2,007
Seulin...	3,968	11,895	11,156	7,827	5,996	16,100	1,886	2,507	2,963	1,256	6,903	9,494	81,641
Sea bass, giant...	166	1,187	86	423	708	404	388	162	234	115	135	4,068	11
Sebastodes, white...	5,824	8,363	2,223	8,383	5,873	5,721	7,203	1,230	1,020	6,203	6,203	6,203	6,203
Shark...	17,939	1,002	1,783	2,965	6,488	13,973	25,261	25,528	8,140	8,252	3,402	5,092	116,315
Sheepshead, California...	767	524	705	723	1,549	992	419	97	76	519	6,371	6,371	6,371
Smelt...	132	30	---	---	83	---	---	---	---	178	233	575	10
Sole, gray...	---	---	228	319	446	27	411	105	36	18	40	2,026	11
Sole, miscellaneous...	383	---	---	---	---	731	2,056	5,274	4,663	2,822	1,140	1,140	17,689
Swallowtail...	---	---	---	---	---	74,609	10,200	37,800	646,540	1,137	16,784	16,784	571,919
Tuna, bluefin...	---	---	---	---	---	---	10,000	51	18	---	70,058	70,058	70,058
Tuna, skipjack...	---	---	---	---	---	---	10,427	46	86	---	10,529	10,529	10,529
Tuna, yellowfin...	---	---	---	---	---	---	11,360	43	---	---	1,403	1,403	1,403
Whiting...	581	581	58	58	58	58	58	58	58	58	58	58	58
Yellowtail, California...	170	120	206	2,039	2,917	600	7,843	2,062	285	484	1,312	18,128	11
Miscellaneous...	3	---	---	---	---	3	32	---	60	---	---	98	98
Crustacean:													
Crab, rock...	1,014	688	1,096	---	---	---	---	---	---	2,834	1,202	188	7,032
Lobster, spiny...	10,569	5,695	4,431	---	---	---	---	---	---	36,457	22,178	12,229	91,496

TABLE 14

Monthly Landings and Shipments of Commercial Fish Into the San Diego Area During 1968

Mollusk:												
Ahalone.....	90,083	---	39,183	58,667	61,777	94,178	75,590	65,403	88,337	81,522	41,664	44,604
Octopus.....	6	1	3	---	---	---	---	505	---	---	2	12
Squid.....	---	---	---	---	---	---	---	---	---	---	---	303
Total pounds.....	185,903	62,439	98,512	122,756	143,612	185,057	232,029	227,263	164,533	794,084	100,460	118,175
Waters south of State:												
Fish:												
Tuna, albacore.....	---	---	---	---	---	---	---	---	---	4,258	---	4,258
Total pounds.....	---	---	---	---	---	---	---	---	---	4,258	---	4,258
Waters south of State:												
Fish:												
Barnacles, California.....	---	---	---	150	---	1,240	115	---	4,058	---	170	6,833
Bluefish.....	---	---	1,033	---	405	4,055	19,092	12,481	---	---	134	13,984
Flyingfish.....	---	---	1,034	---	305	245	---	---	---	---	137	1,439
Grouper.....	7,764	---	3,691	---	288	2,550	1,533	2,794	---	240	16,277	23,261
Herring, California.....	651	---	---	---	162	18	2,083	4,387	6,947	9,171	11,207	38,651
Perc.....	---	---	115	---	405	230	---	170	670	161	116	3,765
Rockfish.....	---	2,117	1,423	---	405	4,055	19,092	12,481	---	---	---	9,031
Solepin.....	---	533	1,140	---	305	245	---	100	1,356	275	5,844	35,963
Seasass, white.....	5,012	2,178	8,606	8,046	1,915	1,915	162	18	2,083	4,387	9,171	10,651
Shark.....	1,047	1,881	1,365	158	---	423	---	147	2,154	7,105	272	14,405
Sheepshead, California.....	---	30	---	22	---	122	207	147	---	24	---	552
Tuna, albacore.....	---	---	---	---	---	80	26,000	26,000	6,656	247,800	7,974	27,279
Tuna, bigeye.....	---	---	---	---	105,669	166,096	24,946	---	---	53,363	53,165	78,449
Tuna, bluefin.....	---	150,981	751,479	1,251,711	3,052,665	703,541	1,307,032	709,161	291	15,616	18,990	2,814,931
Tuna, yellowfin.....	546	5,489,718	9,114,964	12,030,330	4,711,318	5,709,993	2,815,777	142,432	120,154	301,651	265,651	40,901,647
Wahoo.....	---	---	---	---	120	62	---	20	---	---	82	---
Yellowtail, California.....	169	---	42	65	---	477	---	5,062	1,444	3,755	2,646	12,290
Total pounds.....	13,040	7,389	5,660,821	9,879,757	13,285,192	7,769,838	7,750,020	5,056,033	1,392,884	1,720,594	4,032,407	1,982,411
SHIPMENTS.*												
Fish:												
Tuna, albacore.....	206,198	---	303,931	233,674	133,796	77,243	2,638,120	2,688,288	---	227,230	6,506,040	6,506,040
Tuna, yellowfin.....	---	278,857	182,200	800,524	---	691,416	---	78,230	---	157,233	2,188,940	2,188,940
Total pounds.....	206,198	278,857	496,131	1,004,698	133,796	77,243	3,329,546	2,688,288	78,230	---	394,922	8,694,889
Grand total.....	201,843	276,017	6,038,190	10,486,644	14,463,402	8,088,691	8,059,292	8,743,742	4,242,655	2,897,188	4,132,587	2,405,518
												69,618,047

* For origin of shipments refer to Table 6. Beginning in 1965 only tuna shipments are recorded.

MARINE FISH CATCH
1965

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TABLE 14—Cont'd.

TABLE 15
Value of Landings and Shipments of Commercial Fish Into California by Area, 1968

Species	Eureka	San Francisco*	Monterey	Santa Barbara	Los Angeles	San Diego	Total
LANDINGS:							
Fish:							
Anchovy.....	51,463	8,501,799	4,007,925	18,514,929	-----	31,078,116	\$284,476
Barracuda, California	2,573	\$83,818	\$80,404	\$107,591	97,119	33,895	140,500
Blacksmith.....	-----	-----	\$1,358	\$23,013	137,634	-----	137,634
Bonito, Pacific.....	48	809	9,678	254,770	14,609,914	45,710	14,921,929
Cabazon.....	\$5	\$57	\$637	\$10,015	\$606,880	\$1,989	\$19,583
Cabezon.....	66	910	12,736	6,333	-----	61	20,106
Carp.....	\$4	\$19	\$511	\$209	-----	\$9	\$752
Croaker, white.....	25,626	297,793	-----	-----	-----	297,793	\$25,102
Flounder.....	15,626	195,157	15,521	705,583	8,415	9,004	9,004
Flounder.....	91,712	\$12,887	\$905	\$12,772	\$867	\$55,033	\$55,033
Hake, Pacific.....	530,146	248,693	59,764	17,469	65	-----	856,157
Herring, Pacific.....	\$26,788	\$16,725	\$4,763	\$1,381	\$12	-----	\$19,669
Herring, arrowtooth..	10,400	3,000	-----	-----	-----	13,400	-----
Herring, Pacific.....	\$520	\$150	-----	-----	-----	-----	\$670
Flyingfish.....	-----	-----	-----	73,080	511	73,591	73,591
Grouper.....	-----	-----	-----	\$10,492	\$121	\$10,613	\$10,613
Hake, Pacific.....	525	5,490	479	-----	-----	6,494	6,494
Halfmoon.....	-----	\$10	\$152	\$9	-----	-----	\$171
Halibut, California.....	150	191,003	79,340	231,718	130,680	38,763	671,654
Halibut, Pacific.....	\$10	\$45,192	\$20,029	\$68,973	\$38,903	\$12,055	\$185,822
Hardhead.....	127	-----	-----	-----	-----	127	-----
Hardhead.....	\$33	-----	-----	-----	-----	-----	\$33
Mackerel, jack.....	243,581	-----	-----	-----	-----	243,581	243,581
Mackerel, jack.....	\$23,369	-----	-----	-----	-----	-----	\$23,369
Herring, Pacific.....	53,235	304,634	-----	-----	-----	357,869	357,869
Herring, Pacific.....	\$10,800	\$28,777	-----	-----	-----	-----	\$39,577
Hitch.....	1,495	-----	-----	-----	-----	-----	1,495
Lingcod.....	-----	\$54	-----	-----	-----	-----	\$54
Lingcod.....	782,621	186,337	71,318	50,556	595	427	1,084,444
Lingcod.....	\$62,516	\$11,855	\$8,194	\$4,776	\$105	\$37	\$90,186
Mackerel, jack.....	245	30	960,612	4,251,015	50,455,700	80	55,667,682
Mackerel, Pacific.....	\$12	\$3	\$10,711	\$159,114	\$1,922,327	\$8	\$2,122,175
Mackerel, Pacific.....	-----	-----	-----	-----	3,125,449	4,997	3,133,446
Opaleye.....	-----	-----	-----	-----	\$167,271	\$486	\$167,757
Perch.....	61,287	22,608	13,727	18,990	41,277	10,151	168,040
Pompano, Pacific.....	\$10,836	\$6,142	\$2,291	\$1,627	\$9,000	\$1,049	\$34,845
Rockfish.....	2,904,119	554,131	2,042,655	2,618,400	656,447	286,944	9,044,966
Rockfish.....	\$161,007	\$51,832	\$162,221	\$155,315	\$95,794	\$41,462	\$667,631
Sablefish.....	1,750,684	137,280	1,329,969	905	617	-----	3,219,455
Salmon.....	\$150,381	\$5,528	\$73,260	\$57	\$49	-----	\$229,275
Salmon.....	4,064,343	2,198,806	572,605	116,142	35	-----	6,951,931
Salmon.....	\$2,187,714	\$1,370,543	\$379,941	\$75,839	\$19	-----	\$4,014,056
Sanddab.....	275,438	265,903	172,631	424	148	78	714,622
Sardines.....	\$24,011	\$22,133	\$12,546	\$41	\$28	\$20	\$58,779
Sardines.....	-----	-----	1,280	19,980	100,821	2,007	124,088
Sculpin.....	-----	-----	\$317	\$3,996	\$10,529	\$451	\$15,293
Seabass, giant.....	-----	-----	-----	187	7,684	117,304	125,175
Seabass, white.....	409	14,989	43,657	703,399	\$9,416	\$81,180	-----
Shark.....	-----	\$115	\$1,491	\$16,667	\$205,352	\$32,617	\$259,242
Sheephead, California	1,683	59,689	60,620	161,128	86,107	130,720	499,947
Skate.....	\$105	\$2,568	\$2,250	\$16,499	\$11,113	\$17,127	\$49,662
Skate.....	-----	-----	-----	881	4,946	6,923	12,750
Skate.....	51,711	62,725	68,690	3,155	69	\$731	\$1,233
Skate.....	\$469	\$755	\$1,139	\$232	\$7	-----	\$2,632

TABLE 15
Value of Landings and Shipments of Commercial Fish Into California by Area, 1968

TABLE 15—Continued
Value of Landings and Shipments of Commercial Fish Into California by Area, 1968

Species	Eureka	San Francisco*	Monterey	Santa Barbara	Los Angeles	San Diego	Total
Smelt.....	177,281	82,419	49,317	---	133,470	575	443,062
	\$11,507	\$8,855	\$5,118		\$5,881	\$65	\$31,426
Smelt, whitebait.....	232,117	5,944	----	----	----	----	238,061
	\$19,692	\$926					\$20,618
Sole, Dover.....	8,191,524	255,699	56,615	31,690	----	----	8,535,521
	\$557,315	\$15,020	\$3,278	\$1,901			\$577,514
Sole, English.....	3,358,410	1,684,441	439,441	315,300	245	----	5,811,438
	\$229,310	\$11,807	\$3,501	\$2,155	\$21		\$229,310
Sole, petrale.....	1,975,782	480,375	246,362	231,900	166	20	2,946,009
	\$253,622	\$68,665	\$36,558	\$30,169	\$25	\$5	\$880,044
Sole, rex.....	1,518,839	204,855	124,277	81,412	----	----	1,936,583
	\$129,492	\$17,551	\$9,248	\$6,059			\$162,950
Sole, sand.....	2,847	179,161	22,052	7,318	----	----	211,376
	\$307	\$21,375	\$2,649	\$579			\$25,210
Sole, miscellaneous.....	600	6,463	11,893	7,888	746	2,026	29,614
	\$50	\$402	\$1,186	\$558	\$91	\$518	\$3,165
Swordfish.....	----	----	37,582	116,944	44,888	199,398	
			\$247,433	\$79,223	\$29,963	\$133,929	
Tuna, albacore.....	3,441,113	962,260	1,421,311	2,131,415	5,703,788	1,416,272	15,077,159
	\$65,445	\$180,600	\$266,528	\$399,641	\$1,212,000	\$26,000	\$2,000,000
Tuna, bigeye.....	----	----	3,109	78,449	109	109	109,588
			\$4,850	\$12,407	\$1	\$1,720	
Tuna, bluefin.....	----	----	10,050,936	2,885,339	12,936,275		
			\$1,528,647	\$427,186	\$1,055,833		
Tuna, skipjack.....	----	----	354	45,176,235	14,058,052	59,234,641	
			\$17	\$5,912,085	\$1,558,288	\$7,770,420	
Tuna, yellowfin.....	----	----	112,123,459	40,903,059	153,026,509		
			\$17,144,740	\$6,368,029	\$23,812,760		
Turbot.....	1,956	50,270	85	17,193	----	----	69,504
	\$162	\$2,476	\$4	\$1,011	6,190	120	\$3,683
Wahoo.....	----	----	----	1,420	\$18	\$1,444	
Whitefish, ocean.....	----	----	95	196	196	2,647	
Yellowtail, California.....	----	----	7	132,752	30,418	163,177	
Miscellaneous.....	12	349	943	12	255	98	1,669
	\$4	\$29	\$57	\$1	\$49	\$16	\$150
Miscellaneous (animal food).....	1,911,543	----	----	678,091	----	----	2,589,634
	\$38,231	----		\$13,562	----	----	\$51,793
Crustacean:							
Crab, market.....	15,175,854	836,677	1,021	2,029	----	----	16,015,581
	\$3,250,980	\$283,157	\$401	\$388			\$3,553,470
Crab, rock.....	815	----	194	109,021	234,595	7,032	351,557
			\$9	\$6,999	\$29,777	\$429	\$37,314
Crab, spider.....	----	----	187	----	----	187	
Lobster, spiny.....	----	----	59	112,272	108,805	91,406	312,483
				\$96,125	\$104,435	\$92,605	\$233,165
Prawn, ridgeback.....	----	----	426	426	426	426	
Prawn, spot.....	----	7,239	7,239	341	341	341	
		\$6,515	-----	-----	-----	-----	\$6,515
Shrimp, bay.....	----	10,485	----	----	----	----	10,485
		\$2,491					\$2,491
Shrimp, ocean.....	2,083,960	\$20,810	----	----	----	2,274,770	
	\$229,222	\$20,999	----				\$250,221
Mollusk:							
Abalone.....	----	15,191	----	2,155,133	1,563,540	740,978	4,474,842
		\$1,184		\$572,314	\$372,314	\$174,763	\$1,123,575
Octopus.....	2,492	14,589	381	38	151	12	17,663
	\$91	\$614	\$49	\$2	\$49	\$3	\$808
Oyster, eastern.....	----	16,166	----	----	----	----	16,166
		\$47,925					\$47,925
Oyster, giant Pacific.....	385,180	139,641	----	140,730	----	----	645,553
	\$84,904	\$32,467		\$32,720			\$150,091
Squid.....	----	190	14,578,091	2,680,395	7,693,532	505	24,932,713
		\$9	\$398,550	\$37,318	\$117,389	\$15	\$553,281
Miscellaneous mollusk.....	1,536	306	----	----	----	----	1,542
	\$259	\$1,702	----				\$1,961
Total pounds.....	48,876,622	9,788,224	31,863,143	20,552,278	273,103,965	61,123,158	445,307,390
Total value.....	\$8,135,764	\$2,451,357	\$1,623,832	\$1,502,317	\$30,258,551	\$9,415,653	\$53,055,507

TABLE 15
Value of Landings and Shipments of Commercial Fish Into California by Area, 1968

TABLE 15—Continued
Value of Landings and Shipments of Commercial Fish Into California by Area, 1968

Species	Eureka	San Francisco*	Monterey	Santa Barbara	Los Angeles	San Diego	Total
SHIPMENTS:†							
Fish:							
Tuna, albacore.....	----	----	----	54,516,523	6,506,049	61,022,572	
				\$13,624,208	\$1,623,576	\$15,248,084	
Tuna, bigeye.....	----	----	----	152,390	----	152,390	
				\$17,408	----	\$17,408	
Tuna, bluefin.....	----	----	----	80,098	----	80,098	
				\$11,895	----	\$11,895	
Tuna, skipjack.....	----	----	----	1,439,186	----	1,439,186	
				\$188,312	----	\$188,312	
Tuna, yellowfin.....	----	----	----	57,023,101	2,188,840	59,211,941	
				\$12,151,321	\$470,746	\$12,625,067	
Total pounds.....	----	----	----	113,211,288	8,694,889	121,906,187	
Total value.....	----	----	----	\$25,996,144	\$2,094,622	\$28,090,766	
GRAND TOTAL POUNDS.	48,876,622	9,788,224	31,863,143	20,552,278	386,315,263	69,818,047	567,213,577
GRAND TOTAL VALUE.	\$8,143,764	\$2,451,387	\$1,623,832	\$1,802,317	\$56,254,698	\$11,510,275	\$81,786,273

* Includes Sacramento area landings.

† For origin of shipments refer to Table 6. Beginning in 1965 only tuna shipments are recorded.

TABLE 15
Value of Landings and Shipments of Commercial Fish Into California by Area, 1968

TABLE 16
Value of Landings by Port, Eureka Area, 1968

	Value	Pounds
EUREKA		
Market crab.....	\$1,293,000	6,035,833
Salmon.....	735,306	1,327,935
Albacore.....	277,851	1,481,330
Dover sole.....	134,780	1,981,019
Giant Pacific oyster.....	84,904	365,180
English sole.....	42,507	480,052
Petrale sole.....	39,333	305,635
Rex sole.....	34,716	407,489
Sablefish.....	28,657	333,617
Rockfish.....	24,427	458,670
Ocean shrimp.....	14,431	131,200
Lingcod.....	9,936	124,413
Sanddab.....	6,799	77,997
Perch.....	5,456	30,462
Flounder.....	5,276	104,407
All other species.....	6,668	103,633
Port totals.....	\$2,744,037	13,748,872
Crescent City		
Market crab.....	\$1,364,901	6,371,474
Salmon.....	538,914	1,070,743
Ocean shrimp.....	214,791	1,952,760
Albacore.....	175,417	935,215
English sole.....	93,410	1,052,699
Dover sole.....	68,969	1,015,724
Petrale sole.....	67,442	525,304
Rockfish.....	22,316	465,133
Rex sole.....	20,224	237,381
Lingcod.....	17,944	224,063
Sablefish.....	14,985	174,453
Flounder.....	11,062	218,923
Sanddab.....	5,250	60,226
All other species.....	5,216	106,373
Port totals.....	\$2,620,841	14,349,191
Fort Bragg		
Salmon.....	\$686,549	1,237,900
Market crab.....	256,709	1,198,349
Albacore.....	190,991	1,018,243
Dover sole.....	86,084	1,265,283
Sablefish.....	71,577	833,269
Rockfish.....	67,712	1,181,560
English sole.....	44,300	499,248
Petrale sole.....	43,563	339,364
Rex sole.....	21,904	257,102
Lingcod.....	21,318	266,946
Miscellaneous (animal food).....	9,976	498,790
All other species.....	7,422	93,015
Port totals.....	\$1,508,105	8,691,060
Fields Landing		
Dover sole.....	\$267,482	3,931,408
Market crab.....	207,303	967,707
English sole.....	117,733	1,326,804
Petrale sole.....	103,384	805,389
Rex sole.....	52,648	617,967
Rockfish.....	46,551	855,729
Sablefish.....	35,162	409,345
Miscellaneous (animal food).....	27,860	1,392,981
Salmon.....	18,091	32,214
Lingcod.....	13,318	166,769
Whitebait smelt.....	11,405	134,434
Flounder.....	10,326	204,356
Sanddab.....	10,132	116,227
Smelt.....	6,326	95,942
All other species.....	4,763	27,059
Port totals.....	\$932,484	11,087,431

TABLE 16
Value of Landings by Port, Eureka Area, 1968

TABLE 16—Continued
Value of Landings by Port, Eureka Area, 1968

	Value	Pounds
Trinidad		
Market crab.....	\$127,871	596,915
Salmon.....	65,457	136,979
All other species.....	290	1,544
Port totals.....	\$193,618	735,438
Albion		
Salmon.....	\$86,631	154,990
All other species.....	1,199	5,603
Port totals	\$87,830	160,593
Point Arena		
Salmon.....	\$56,766	103,582
All other species.....	83	455
Port totals.....	\$56,849	104,037
EUREKA AREA TOTALS.....	\$8,143,764	48,876,622

TABLE 16
Value of Landings by Port, Eureka Area, 1968

TABLE 17
Value of Landings by Port, San Francisco Area, 1963 *

	Value	Pounds
Bodega Bay		
Salmon.....	\$597,989	971,563
Albacore.....	76,986	410,616
Market crab.....	62,509	184,701
English sole.....	36,394	436,208
Ocean shrimp.....	19,597	178,075
Rockfish.....	15,771	141,068
Petrale sole.....	14,430	103,090
Smelt.....	8,563	80,332
All other species.....	20,225	270,353
Port totals.....	\$852,470	2,785,915
San Francisco		
Salmon.....	\$167,243	265,340
Market crab.....	128,997	381,162
English sole.....	86,765	1,039,930
Petrale sole.....	45,675	326,190
Rockfish.....	30,883	380,945
California halibut.....	23,908	101,047
Sand sole.....	19,216	161,066
Sanddab.....	16,079	193,174
Flounder.....	10,963	163,010
Rex sole.....	10,087	117,795
Lingcod.....	8,541	108,264
Dover sole.....	8,040	136,574
Albacore.....	5,389	28,741
Sablefish.....	4,828	119,884
All other species.....	8,169	150,082
Port totals.....	\$574,783	3,682,704
Point Reyes		
Salmon.....	\$204,095	324,295
Market crab.....	35,287	104,265
Giant Pacific oyster.....	27,498	118,272
English sole.....	18,195	218,080
Petrale sole.....	8,554	61,086
All other species.....	24,122	280,894
Port totals.....	\$317,751	1,115,892
Sausalito		
Salmon.....	\$179,418	285,277
Albacore.....	63,119	336,657
Market crab.....	16,228	47,952
Pacific herring.....	6,553	32,300
All other species.....	3,232	58,180
Port totals.....	\$268,550	760,366
Princeton		
Salmon.....	\$151,036	243,561
Market crab.....	38,970	115,149
California halibut.....	18,511	78,235
All other species.....	6,833	57,362
Port totals.....	\$218,370	494,537
Oakland		
Salmon.....	\$61,476	98,514
Albacore.....	35,088	187,150
All other species.....	2,303	7,974
Port totals.....	\$98,867	293,638
Tomales Bay		
Eastern oyster.....	\$47,928	16,166
Giant Pacific oyster.....	4,861	20,906
All other species.....	9,693	51,226
Port totals.....	\$62,482	88,298

TABLE 17
Value of Landings by Port, San Francisco Area, 1963

TABLE 17—Continued
*Value of Landings by Port, San Francisco Area, 1968 **

	Value	Pounds
Clear Lake		
Hardhead.....	\$22,646	236,041
Carp.....	22,455	266,748
All other species.....	8	220
Port totals.....	\$45,139	503,009
Berkeley		
Salmon.....	\$6,049	9,573
All other species.....	629	2,380
Port totals.....	\$6,678	11,953
All other ports		
All species.....	\$6,297	51,612
Totals.....	\$6,297	51,612
SAN FRANCISCO AREA TOTALS.....	\$2,451,387	9,788,224

* Includes Sacramento area landings.

TABLE 17
Value of Landings by Port, San Francisco Area, 1963

TABLE 18
Value of Landings by Port, Monterey Area, 1968

	Value	Pounds
Monterey		
Squid.....	\$320,403	12,048,841
Rockfish.....	122,270	1,777,278
Salmon.....	114,136	172,030
Sablefish.....	66,088	1,199,766
Albacore.....	55,276	294,769
English sole.....	20,973	252,704
Petrale sole.....	20,146	136,866
White croaker.....	7,545	114,265
Spot prawn.....	6,515	7,239
Jack mackerel.....	5,198	122,645
Lingcod.....	4,995	43,473
California halibut.....	4,942	19,577
All other species.....	17,873	372,528
Port totals.....	\$775,360	16,561,981
Moss Landing		
Salmon.....	\$224,425	338,210
Albacore.....	210,929	1,124,822
Anchovy.....	82,187	5,336,379
Squid.....	69,147	2,529,250
Rockfish.....	39,647	613,840
Jack mackerel.....	35,239	831,500
Pacific herring.....	28,442	301,094
Petrale sole.....	16,412	111,496
English sole.....	15,531	187,140
Sanddab.....	8,695	119,641
Sablefish.....	7,172	130,203
Rex sole.....	5,892	79,175
All other species.....	25,439	268,295
Port totals.....	\$769,157	15,001,045
Santa Cruz		
Salmon.....	\$41,380	62,365
California halibut.....	13,019	51,572
Pacific pompano.....	12,756	50,231
All other species.....	12,160	135,949
Port totals.....	\$79,315	300,117
MONTEREY AREA TOTALS.....	\$1,623,832	31,863,143

TABLE 18
Value of Landings by Port, Monterey Area, 1968

TABLE 19
Value of Landings by Port, Santa Barbara Area, 1968

	Value	Pounds
Morro Bay		
Albacore.....	\$300,070	1,600,372
Abalone.....	178,690	663,828
Rockfish.....	80,102	1,350,149
Giant Pacific oyster.....	32,720	140,730
Salmon.....	17,620	26,669
Petrale sole.....	15,196	116,808
Jack mackerel.....	10,482	279,520
California halibut.....	8,144	29,376
Limecod.....	4,523	47,881
All other species.....	25,950	407,797
Port totals.....	\$674,097	4,663,130
Santa Barbara		
Abalone.....	\$292,211	1,109,032
Spiny lobster.....	79,111	92,400
Rockfish.....	68,981	1,179,559
California halibut.....	33,136	111,322
Swordfish.....	22,773	34,590
English sole.....	15,652	200,143
White seabass.....	10,733	28,114
Miscellaneous (animal food).....	9,005	450,236
Petrale sole.....	8,783	67,513
Shark.....	7,910	76,890
Rock crab.....	6,588	102,623
All other species.....	9,317	97,000
Port totals.....	\$564,200	3,549,422
Port Hueneme		
Jack mackerel.....	\$148,032	3,971,495
Squid.....	37,318	2,660,395
Anchovy.....	30,494	4,097,925
California halibut.....	16,318	54,820
Abalone.....	13,129	50,947
Pacific bonito.....	8,578	218,233
Spiny lobster.....	8,377	9,784
All other species.....	4,822	39,237
Port totals.....	\$207,968	11,012,836
Avila		
Albacore.....	\$99,370	520,971
Abalone.....	72,709	260,905
Salmon.....	56,335	86,619
Shark.....	6,070	60,380
Petrale sole.....	5,745	44,158
Rockfish.....	5,119	76,746
English sole.....	4,506	57,624
All other species.....	10,847	76,019
Port totals.....	\$260,701	1,201,422
Oxnard		
Abalone.....	\$12,250	48,322
California halibut.....	5,319	17,870
Spiny lobster.....	4,939	5,769
All other species.....	2,025	18,404
Port totals.....	\$24,533	90,365
All other ports		
All species.....	\$10,818	35,103
Totals.....	\$10,818	35,103
SANTA BARBARA AREA TOTALS	\$1,802,317	20,552,278

TABLE 19
Value of Landings by Port, Santa Barbara Area, 1968

TABLE 20
Value of Landings and Shipments by Port, Los Angeles Area, 1968

	Value	Pounds
Terminal Island		
Landings:		
Yellowfin tuna.....	\$17,366,115	111,618,109
Skipjack tuna.....	5,069,222	45,154,355
Jack mackerel.....	1,048,072	43,257,270
Bluefin tuna.....	1,428,399	9,391,801
Albacore.....	1,181,322	5,357,100
Pacific bonito.....	393,499	9,473,036
Anchovy.....	153,571	16,966,150
Pacific mackerel.....	110,478	2,066,205
Squid.....	96,758	6,341,307
Sardine.....	6,228	59,637
All other species.....	9,637	124,199
Total landings.....	\$28,303,301	250,009,319
Shipments:		
Albacore.....	\$13,619,210	54,496,532
Yellowfin tuna.....	12,154,321	57,023,101
Skipjack tuna.....	188,312	1,439,186
Bigeye tuna.....	17,408	152,390
Bluefin tuna.....	11,895	80,098
Total shipments.....	\$25,091,146	113,191,298
Port totals.....	\$54,294,447	363,200,617
San Pedro		
Landings:		
Avalone.....	\$352,230	1,479,801
White seabass.....	202,035	692,040
Pacific bonito.....	174,936	4,211,378
Bluefin tuna.....	100,246	659,124
Rockfish.....	93,022	638,447
Jack mackerel.....	91,788	2,409,174
Yellowfin tuna.....	78,620	505,316
Pacific mackerel.....	48,507	907,218
Grouper.....	47,812	207,632
White croaker.....	42,213	698,562
Swordfish.....	38,587	56,902
Spiny lobster.....	38,402	40,010
California halibut.....	32,233	108,444
Pacific pompano.....	32,027	194,941
Albacore.....	25,166	118,382
Giant sea bass.....	24,643	135,673
California barracuda.....	22,574	95,267
Squid.....	20,631	1,352,135
California yellowtail.....	15,010	132,056
Anchovy.....	11,550	1,276,045
Rock crab.....	10,397	81,912
Flyingfish.....	10,171	70,845
Shark.....	9,804	75,965
Perch.....	5,983	27,481
Smelt.....	5,120	115,759
Sardine.....	4,301	41,184
All other species.....	13,254	93,148
Port totals.....	\$1,551,312	16,424,901
Wilmington		
Landings:		
Jack mackerel.....	\$182,308	4,785,077
Pacific bonito.....	36,926	888,950
Pacific mackerel.....	8,217	153,681
Avalone.....	7,880	31,243
All other species.....	3,802	198,823
Port totals.....	\$239,133	6,057,774

TABLE 20
Value of Landings and Shipments by Port, Los Angeles Area, 1968

TABLE 20—Continued
Value of Landings and Shipments by Port, Los Angeles Area, 1968

	Value	Pounds
Newport Beach		
Landings:		
Swordfish.....	\$38,372	56,644
Spiny lobster.....	15,823	16,485
Ahalone.....	8,835	37,763
Albacore.....	5,513	25,932
All other species.....	8,225	119,719
Port totals.....	\$76,768	256,543
Long Beach		
Landings:		
Spiny lobster.....	\$31,681	33,007
All other species.....	9,070	104,410
Port totals.....	\$40,751	137,417
Redondo Beach		
Landings:		
Rock crab.....	\$18,875	148,699
Spiny lobster.....	8,872	9,243
All other species.....	1,203	8,851
Port totals.....	\$28,950	166,793
Santa Monica		
Landings:		
Spiny lobster.....	\$6,345	6,610
All other species.....	5,028	28,025
Port totals.....	\$11,373	34,635
All other ports		
Landings:		
All species.....	\$6,966	16,583
Total landings.....	\$6,966	16,583
Shipments:		
All species.....	\$4,998	20,000
Total shipments.....	\$4,998	20,000
Totals.....	\$11,964	36,583
LOS ANGELES AREA TOTALS.....	\$56,254,698	386,315,263

* Beginning in 1965 only tuna shipments are recorded.

TABLE 20
Value of Landings and Shipments by Port, Los Angeles Area, 1968

TABLE 21
Value of Landings and Shipments by Port, San Diego Area, 1968

	Value	Pounds
San Diego		
Landings:		
Yellowfin tuna.....	\$6,368,029	40,903,050
Skipjack tuna.....	1,858,288	14,058,052
Bluefin tuna.....	427,142	2,885,039
Albacore.....	283,206	1,410,619
Abalone.....	174,273	738,957
Spiny lobster.....	82,839	81,766
Rockfish.....	37,054	255,970
White seabass.....	32,184	98,097
Sculpin.....	31,693	116,775
Swordfish.....	29,749	44,547
Shark.....	15,485	118,234
Bigeye tuna.....	12,407	78,449
California halibut.....	12,025	36,744
Halfmoon.....	6,553	30,195
California barracuda.....	5,873	33,005
Grouper.....	5,583	23,281
All other species.....	13,268	130,628
Total landings.....	\$9,395,151	61,043,410
Shipments:*		
Albacore.....	\$1,623,876	6,506,049
Yellowfin tuna.....	470,746	2,188,840
Total shipments.....	\$2,094,622	8,694,889
Port totals.....	\$11,480,773	69,738,299
Oceanside		
Landings:		
All species.....	\$14,424	73,717
Port totals.....	\$14,424	73,717
Cardiff		
Landings:		
Spiny lobster.....	\$5,122	5,056
All other species.....	11	42
Port totals.....	\$5,133	5,098
All other ports		
Landings:		
All species.....	\$945	933
Totals.....	\$945	933
SAN DIEGO AREA TOTALS.....	\$11,510,275	69,818,047

* Beginning in 1965 only tuna shipments are recorded.

TABLE 21
Value of Landings and Shipments by Port, San Diego Area, 1968

TABLE 22
Statewide Commercial Partyboat Catch by Species
(Not including anchored barges)
1959-1968

Species	1960	1960	1961	1962	1963	1964	1965	1966	1967	1968
Barracuda, California.....	1,195,585	755,408	301,884	335,507	483,699	303,070	443,304	892,607	470,480	372,246
Bass, kelp and sand.....	428,426	478,655	613,694	789,149	1,219,344	1,103,304	1,230,313	1,278,959	1,003,914	1,317,963
Bonito, Pacific.....	71,000	1,000,000	81,000	72,000	77,000	1,200,000	860,000	340,000	1,000,000	1,000,000
Catfish.....	5,329	2,510	2,639	4,338	9,726	6,491	7,575	10,293	5,419	4,349
California Halibut, California.....	25,365	48,310	108,011	118,966	125,669	141,605	118,213	88,723	63,582	54,603
Lingcod.....	31,206	28,232	23,466	25,399	27,513	25,263	32,240	44,676	43,559	42,449
Mackerel, jack.....	11,000	8,537	28,000	9,529	5,712	7,777	19,769	19,769	15,222	15,222
Mackerel, saury.....	88,032	70,370	113,988	116,738	146,560	101,219	151,896	208,050	108,366	78,933
Rockfish.....	1,177,979	1,015,673	898,641	956,438	962,659	966,501	1,347,460	1,688,718	1,894,057	2,102,841
Salmon.....	55,945	37,941	42,000	55,724	55,500	55,500	1,100,000	1,100,000	700,000	700,000
Sole.....	11,177	15,711	30,677	35,311	53,896	73,541	71,888	61,851	62,280	59,803
Solefish, white.....	10,000	13,697	14,082	14,594	19,500	14,501	9,775	5,972	5,835	4,138
Sheepshead, California.....	17,145	11,541	15,210	13,488	18,443	26,522	41,651	52,967	42,676	33,073
Tuna, albacore.....	17,000	70,070	10,891	22,114	12,972	11,253	94,771	71,991	99,400	121,000
Tuna, yellowfin.....	1,330	97	2,998	2,453	737	608	62	1,090	2,166	1,231
Whiting, ocean.....	5,608	5,850	6,147	6,157	6,231	6,949	13,810	15,557	18,184	22,155
Yellowtail, California.....	457,350	254,969	42,367	21,826	45,705	39,104	18,367	80,153	31,392	58,049
All others.....	28,039	56,132	87,981	92,776	142,630	114,400	165,355	166,470	145,073	205,410
Total number of fish.....	4,328,575	4,980,034	3,453,833	3,655,993	4,275,502	4,454,176	4,654,588	5,408,420	4,444,164	5,731,201
Number of angler days.....	557,154	516,255	495,805	505,966	643,155	695,445	688,103	857,000	780,102	815,651
Number of anglers.....	—	—	637,198	—	—	—	—	—	—	—

* See Fish Bulletin No. 121 for historical records 1939-1961.

† Not available after 1961.

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TABLE 22
Statewide Commercial Partyboat Catch by Species (Not including anchored barges) 1959-1968

TABLE 23
**Inshore Bait Landings by Area
 Pounds and Value
 1968**

Species	Sacramento	San Francisco and Monterey	Los Angeles	San Diego	Statewide
Clam					
Freshwater-----	406,996 \$41,749	----	----	----	406,996 \$41,749
Jackknife-----	----	31,028	24,557	55,585	
Purple-----	----	4,521	19,487	24,008	
Unclassified-----	429 \$104	2,286 \$22	8,626 \$532	266 773	\$10,912 \$658
Crab					
Sand-----	----	7,738	----	7,738	
Shore-----	1 \$1	\$22,835 \$68	5	----	\$22,835 \$69
Mudsucker, longjaw-----	----	282	----	282	
Mussel (bay and rock)-----	6 \$1	79,125 \$9,484	12,341	91,472	
Perch, shiner-----	188 \$303	----	----	188 \$303	
Sculpin, staghorn-----	1,468 \$5,075	361 \$1,337	----	----	1,829 \$6,412
Shrimp					
Bay-----	46,542 \$46,400	659 \$746	----	----	47,201 \$47,146
Ghost-----	----	3,717	4,031	7,748	
Red-----	----	\$15,839 5,113 \$7,149	\$15,540	5,113	\$31,379 \$7,149
TOTAL-----	455,194 \$93,527	1,456 \$2,189	131,807 \$76,651	60,682 \$39,804	648,939 \$212,171

TABLE 23
Inshore Bait Landings by Area Pounds and Value 1968

TABLE 24
Recorded Catch of Live Bait for Saltwater Sportfishing 1964-1968

Species	Thousands of pounds*				
	1964	1965	1966	1967	1968
Anchovy-----	10,382	12,296	13,382	10,774	14,353
Herring, Pacific-----	18	----	25	----	158
Mackerel, jack-----	----	----	54	1	57
Sardine, adult-----	283	66	T	T	
Sardine, juvenile-----	1	2	84	22	
Miscellaneous†-----	26	82	84	22	80
Total pounds-----	10,710	12,446	13,545	10,797	14,648
Number of vessels‡-----	22	24	18	16	19

* Weights are estimated from voluntary records. They should be regarded as minimal because some fishermen do not supply catch information.

T Less than 500 pounds.

† Consists primarily of queenfish and white croaker.

‡ The number of live bait fishing vessels for which landings were reported. These numbers differ slightly from those in previous catch bulletins, since the earlier landing records, as submitted, sometimes included the catch of more than one boat.

TABLE 24
Recorded Catch of Live Bait for Saltwater Sportfishing 1964-1968

APPENDIX A

TABLE I
California Commercial Troll Salmon Landings by Port-Area, Month and Species, in Pounds¹ and Numbers—1968

	April		May		June		July		August		September		Season	
	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers
Crescent City														
King.....	1,142	140	81,800	6,569	51,601	8,266	99,988	8,712	33,269	2,578	539	46	268,448	29,471
Silver.....	---	---	20,872	4,522	180,019	31,082	440,142	68,372	159,649	24,189	1,474	189	802,156	128,334
Pink.....	---	---	61	15	78	16	---	---	159	---	---	---	802	139
Eureka														
King.....	61,722	7,212	484,623	61,163	256,773	32,417	114,535	8,286	58,127	6,433	964	69	996,741	115,680
Silver.....	1,190	264	72,701	15,191	192,747	32,512	221,806	34,903	32,565	4,580	6,368	708	530,317	88,094
Pink.....	---	---	42	17	25	8	---	---	---	---	---	67	75,751	25
Fort Bragg														
King.....	8,833	1,172	36,412	4,322	250,947	27,357	307,347	37,706	224,668	22,461	72,947	6,632	991,251	100,630
Silver.....	45	10	46,640	9,328	125,293	18,158	210,588	32,641	104,443	12,488	9,209	1,162	565,218	75,751
Pink.....	---	---	---	---	---	---	---	---	---	---	---	---	---	---
San Francisco														
King.....	128,717	12,570	282,501	31,925	530,968	47,880	472,405	47,288	260,117	24,372	42,553	3,732	1,723,912	167,453
Silver.....	1,219	279	24,339	3,864	145,017	25,805	241,508	29,140	47,748	6,561	7,834	924	914,041	68,145
Pink.....	---	---	---	---	1,166	380	442	74	---	---	---	1,608	463	463
Monterey														
King.....	123,355	13,126	82,340	7,734	131,903	10,350	131,610	10,510	112,626	9,448	77,415	7,061	660,129	58,335
Silver.....	247	54	6,522	1,279	9,969	---	---	---	---	---	---	34	28,853	4,036
Pink.....	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Statewide														
King.....	313,749	34,520	967,688	114,743	1,250,632	126,382	1,215,888	112,612	668,537	66,102	195,501	17,560	4,612,488	472,500
Silver.....	2,700	607	171,074	34,600	653,645	109,412	1,151,294	106,374	550,723	45,450	26,942	3,047	2,546,820	362,280
Pink.....	---	---	103	32	1,289	413	442	74	---	---	---	1,814	519	519

¹ Dressed head on.

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TABLE I

California Commercial Troll Salmon Landings by Port-Area, Month and Species, in Pounds and Numbers—1968

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TABLE II

California Ocean Recreational Salmon Landings and Success¹ by Fishery, Port, Month and Species, in Numbers of Fish—1968

	February			March			April			May			June			July		
	King	Silver	Fish /Day	King	Silver	Fish /Day	King	Silver	Fish /Day	King	Silver	Fish /Day	King	Silver	Fish /Day	King	Silver	Fish /Day
Crescent City																		
Partyboat.....	0	0	..	0	0	..	0	0	..	0	0	..	2	6	0.80	27	421	1.24
Skiff.....	0	0	..	0	0	..	0	0	..	0	0	..	7	37	0.26	161	1,733	0.72
Eureka																		
Partyboat.....	0	0	..	0	0	..	0	0	..	34	33	*	75	79	0.33	202	1,068	0.61
Skiff.....	0	0	..	0	0	..	0	0	..	0	0	..	174	97	0.14	1,212	8,364	0.83
Fort Bragg																		
Partyboat.....	0	0	..	2	0	*	2	0	*	0	316	2.14	100	377	0.64	543	1,268	0.66
Skiff.....	0	0	..	0	0	..	0	0	..	19	127	0.45	107	202	0.29	737	3,870	0.72
San Francisco																		
Partyboat.....	6,402	0	1.48	7,698	0	1.24	2,966	527	0.49	3,715	2,556	1.29	8,428	1,014	1.59	10,108	1,249	1.81
Skiff.....	241	0	0.95	1,224	0	0.76	471	5	0.56	975	180	1.45	594	447	0.52	2,464	1,056	1.19
Monterey																		
Partyboat.....	155	0	0.17	208	0	1.66	1,478	122	0.78	1,084	980	0.66	733	48	1.03	690	38	0.93
Skiff.....	725	0	0.77	2,917	0	1.30	2,216	47	0.67	1,584	713	0.31	1,719	144	0.85	2,281	131	0.70
Statewide																		
Partyboat.....	6,557	0	1.27	7,998	0	1.25	4,446	650	0.55	4,833	3,885	1.07	9,338	2,124	1.38	17,571	4,144	1.39
Skiff.....	966	0	0.81	4,141	0	1.07	2,787	52	0.65	2,825	1,020	0.63	2,680	927	0.41	6,825	15,154	0.82

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TABLE II

California Ocean Recreational Salmon Landings and Success by Fishery, Port, Month and Species, in Numbers of Fish—1968

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TABLE II

California Ocean Recreational Salmon Landings and Success¹ by Fishery, Port, Month and Species, in Numbers of Fish—1968

	February			March			April			May			June			July		
	King	Silver	Fish /Day	King	Silver	Fish /Day	King	Silver	Fish /Day	King	Silver	Fish /Day	King	Silver	Fish /Day	King	Silver	Fish /Day
Crescent City																		
Partyboat.....	0	0	..	0	0	..	0	0	..	0	0	..	2	6	0.80	27	421	1.24
Skiff.....	0	0	..	0	0	..	0	0	..	0	0	..	7	37	0.26	161	1,733	0.72
Eureka																		
Partyboat.....	0	0	..	0	0	..	0	0	..	34	33	*	75	79	0.33	202	1,068	0.61
Skiff.....	0	0	..	0	0	..	0	0	..	0	0	..	174	97	0.14	1,212	8,364	0.83
Fort Bragg																		
Partyboat.....	0	0	..	2	0	*	2	0	*	0	316	2.14	100	377	0.64	543	1,268	0.66
Skiff.....	0	0	..	0	0	..	0	0	..	19	127	0.45	107	202	0.29	737	3,870	0.72
San Francisco																		
Partyboat.....	6,402	0	1.48	7,698	0	1.24	2,966	527	0.49	3,715	2,556	1.29	8,428	1,014	1.59	10,108	1,249	1.81
Skiff.....	241	0	0.95	1,224	0	0.76	471	5	0.56	975	180	1.45	594	447	0.52	2,464	1,056	1.19
Monterey																		
Partyboat.....	155	0	0.17	208	0	1.66	1,478	122	0.78	1,084	980	0.66	733	48	1.03	690	38	0.93
Skiff.....	725	0	0.77	2,917	0	1.30	2,216	47	0.67	1,584	713	0.31	1,719	144	0.85	2,281	131	0.70
Statewide																		
Partyboat.....	6,557	0	1.27	7,998	0	1.25	4,446	650	0.55	4,833	3,885	1.07	9,338	2,124	1.38	17,571	4,144	1.39
Skiff.....	966	0	0.81	4,141	0	1.07	2,787	52	0.65	2,825	1,020	0.63	2,680	927	0.41	6,825	15,154	0.82

MARINE FISH CATCHES
1968

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TABLE II

California Ocean Recreational Salmon Landings and Success by Fishery, Port, Month and Species, in Numbers of Fish—1968

HISTORICAL REVIEW 1916-1968

From time to time it is desirable to present a historical review of the California commercial fish catch. The first review was published in 1937 in Fish Bulletin 49, and presented the catch for the years 1916 through 1935. A second review appeared in 1949, in Fish Bulletin 74, which gave figures for the years 1916 through 1947. This third historical review presents the catch record for the years 1916 through 1968, thereby giving the entire statistical history of the fisheries of California since the beginning of its recorded history.

The purposes of this type of review are to present the published record for all past years and to provide ready access to the statistics which show the complete fisheries picture and the long-period trends. In the past, such a record has proved of great value to fisheries biologists, administrators, wildlife conservation officers, educators, and people in the fishing industry.

Prior to 1960, the yearly published catch statistics were not considered final, and late landing data were added to our source data files as they were received. In addition, our files were corrected if occasional errors were found in the published record. As a result, the landing figure for a particular species in a year depended on the source of the data—the original catch bulletin, a slightly later tabulation of our source records, a later historical review, or finally, a figure obtained from our current tabulations. The practice of updating or correcting the published record was abolished with the publication of the 1960 catch figures; data published for 1960 and years since then will never be changed.

In the course of this review all the catch figures were reexamined. Our present records were compared to the original publication and subsequent historical reviews. All differences were carefully examined and checked against notations in the source files. Almost all of the differences were documented through this procedure, although a few could not be and had to be considered as human errors. The figures in this historical review are now in balance with our source data files, and represent a final determination of the actual landings. No further changes in the basic records or the figures published in this review will be allowed.

Our records of landings between 1916 and 1947 include some fish that were actually landed outside the State and later shipped to California dealers. The 1949 historical review (Fish Bulletin 74) attempted to separate landings and shipments for some species. The present review demonstrated, however, that this separation was very subjective for species other than tuna. As a consequence, only tuna shipments and the very small portion of other species that could be definitely identified as shipments have been separated from the total record for the 1916-1947 period (Table 1).

From 1948 through 1964, landings and shipments were separated in our files and publications; the record of shipments, however, was

acknowledged as being quite incomplete for species other than tuna. Starting in 1965, only shipment data involving the tunas have been collected and published.

Table 1 summarizes our information on statewide landings and shipments for the period 1916 through 1968. Tables 2 through 20 present the significant aspects of the historical record. The species shown are the more important ones in the landings; species nomenclature follows that used with the 1968 marine fish catch statistics presented as the first part of this Fish Bulletin.

Separate summaries are given for landings caught north or south of the state boundaries, or for shipments, when these aspects of a fishery are particularly noteworthy. However, origin information is not completely dependable prior to 1931 when a formal origin of catch was added to the statistical system. Other types of summaries are used where some special feature is of historical significance.

The final table shows landings of animal food from 1961 through 1968. Prior to 1961, landings of mixed fish to be ground for animal food were reported haphazardly as a species making up a good part of that particular load. With the rapid growth of this industry between 1953 and 1960 this situation became intolerable and produced major inaccuracies in the records. As a consequence, a new system where the dealer records the delivery as animal food and our biologists sample the catch to determine its species composition was inaugurated in 1961. Table 21 summarizes the landings reported as animal food; preliminary estimates of the catch composition were presented with the original publication of each year's data. Final detailed catch compositions of the animal food landings are compiled and published separately; Nitsos and Reed (1965) presented these data for 1961 and 1962.

Landings during the period covered by this review exhibited an almost steady rise from 1916 to 1936 when a peak of 1.76 billion pounds of fish was landed. Sardines dominated the landings during the 1930's and 1940's, but after the failure of this fishery in the early 1950's the tunas became dominant. Since 1958 the total landings have exhibited a slow but almost steady decline.

The origin of the landings has also changed during the past 20 years. In 1947 landings from California waters amounted to 69% of the total California landings, while landings from south of the State totaled 30%. In 1968 landings from California waters made up only 49% of the total. Tuna shipments have become very important to the overall operation of the California fishing industry amounting to 122 million pounds in 1968, compared to California landings of 445 million pounds.

The tables which follow represent the work of many individuals during the past 10 years. The original instigation for this historical review and the direction of its progress came from Edward C. Greenhood. The late Annine Phillips Stevens planned and supervised much of the actual work. The accurate interpretation of original records and updating and compiling the tables, a long and arduous task, was carried out by Ellen L. Gramm, Dorothy K. Bailey, Jeanne P. Cowger, and the entire staff of the Biostatistical section. The many persons

who served in the information unit during this time deserve special credit for their efforts.

REFERENCES

California Bureau of Commercial Fisheries. 1936 . The Commercial Fish Catch of California for the Year 1935. Calif. Div. Fish and Game, Fish Bull., (49) : 1-170.

California Bureau of Marine Fisheries. 1949 . The Commercial Fish Catch of California for the year 1947 With an Historical Review 1916-1947. Calif. Div. Fish and Game, Fish Bull., (74) : 1-267.

Nitsos, R. J., and Paul H. Reed. 1965 . The Animal Food Fishery in California, 1961-1962. Calif Fish and Game, 51(1) : 16-27.

TABLES

TABLE 1
TOTAL YEARLY LANDINGS AND SHIPMENTS IN POUNDS

Year	California landings*	Shipments other than tuna†	Total landings and shipments other than tuna	Tuna shipments‡	Grand total
1916-----	95,002,695	----	95,002,695	----	95,002,695
1917-----	209,876,670	----	209,876,670	----	209,876,670
1918-----	261,134,265	----	261,134,265	----	261,134,265
1919-----	266,270,133	107	266,270,240	----	266,270,240
1920-----	222,003,425	951	222,003,576	----	222,003,576
1921-----	135,346,435	1,391	135,347,826	----	135,347,826
1922-----	182,343,333	----	182,343,333	----	182,343,333
1923-----	253,874,581	----	253,874,581	----	253,874,581
1924-----	340,445,919	----	340,445,919	----	340,445,919
1925-----	437,502,232	----	437,502,232	----	437,502,232
1926-----	394,964,393	----	394,964,393	77,592	394,964,393
1927-----	487,088,551	857,306	487,088,551	3,782,408	487,169,143
1928-----	578,887,037	850,053,251	579,741,434	5,900,804	583,526,751
1929-----	695,179,355	32,105	695,179,400	7,009,155	702,188,755
1931-----	495,448,900	----	495,448,900	6,940,975	502,389,875
1932-----	552,617,747	----	552,617,747	3,521,316	556,139,663
1933-----	817,715,982	----	817,715,982	4,089,034	821,805,016
1934-----	1,384,827,500	----	1,384,827,500	5,970,654	1,390,798,154
1935-----	1,442,032,007	----	1,442,032,007	5,984,564	1,448,016,571
1936-----	1,760,370,875	----	1,760,370,875	4,529,014	1,764,899,890
1937-----	1,351,256,911	----	1,351,256,911	11,726,806	1,362,983,717
1938-----	1,300,257,401	----	1,300,257,401	10,338,267	1,310,595,668
1939-----	1,479,045,931	----	1,479,045,931	7,488,975	1,486,534,906
1940-----	1,293,981,291	----	1,293,981,291	3,536,372	1,297,517,663
1941-----	1,527,760,007	----	1,527,760,007	1,132,184	1,528,892,191
1942-----	1,172,943,617	----	1,172,943,617	470,506	1,173,414,123
1943-----	1,234,049,119	----	1,234,049,119	1,322,926	1,234,049,119
1944-----	1,456,919,970	----	1,456,919,970	2,535,547	1,459,455,517
1945-----	1,216,391,531	----	1,216,391,531	108,758	1,216,500,589
1946-----	919,822,188	----	919,822,188	----	919,822,188
1947-----	795,172,919	----	795,172,919	326,160	795,499,079
1948-----	899,070,526	73,467	899,143,993	1,322,926	900,466,919
1949-----	1,132,620,348	1,293,855	1,133,914,203	1,424,487	1,135,338,690
1950-----	1,344,358,573	6,399,233	1,350,757,806	15,918,589	1,366,676,395
1951-----	865,740,236	4,638,019	870,388,145	32,726,242	904,114,387
1952-----	655,838,075	5,192,573	661,030,648	33,365,725	694,996,373
1953-----	547,802,657	8,040,854	555,843,811	63,075,605	618,919,416
1954-----	625,835,447	1,677,816	627,513,283	85,897,121	713,410,384
1955-----	603,117,051	2,735,682	605,852,733	104,860,721	710,713,454
1956-----	678,552,376	2,398,474	680,950,850	91,600,457	772,551,307
1957-----	628,003,175	3,858,296	631,801,471	106,888,913	738,550,384
1958-----	676,170,923	3,071,482	679,242,405	153,676,658	832,919,063
1959-----	529,242,200	1,321,722	530,563,022	182,859,114	713,423,036
1960-----	543,402,951	1,535,272	544,938,223	149,724,549	694,663,072
1961-----	599,263,509	2,164,041	601,427,550	123,825,921	725,283,471
1962-----	521,439,230	1,077,215	522,516,415	140,590,162	663,106,607
1963-----	509,718,393	744,215	510,463,320	82,435,547	592,898,867
1964-----	493,140,709	1,250,354	494,391,063	96,739,561	591,130,624
1965-----	453,268,232	----	453,268,232	91,211,669	544,479,901
1966-----	458,440,080	----	458,440,080	133,093,337	591,533,417
1967-----	503,893,182	----	503,893,182	85,134,479	589,027,661
1968-----	445,307,390	----	445,307,390	121,906,187	567,213,577

* California landings include some shipments of species other than tuna for the period 1916 through 1947.
† Shipments other than tuna are incomplete prior to 1948, minimal from 1948 through 1964, and unavailable from 1965 through 1968.
‡ Tuna shipments do not balance to figures given in the tuna tables because shipments of bigeye and unclassified tuna are included here.

TABLE 1
TOTAL YEARLY LANDINGS AND SHIPMENTS IN POUNDS

TABLE 2
YEARLY LANDINGS AND SHIPMENTS IN POUNDS
Albacore tuna

Year	California waters	North of state	South of state	Total landings	Shipments	Total pounds
1916.....	22,809,209	22,809,209	22,809,309
1917.....	30,556,242	30,556,242	30,556,242
1918.....	7,203,425	1,527	7,205,422	7,205,422
1919.....	13,553,025	77,874	13,630,899	13,630,899
1920.....	18,876,647	18,876,647	18,876,647
1921.....	15,274,528	2,199	15,276,727	15,276,727
1922.....	13,231,823	13,231,823	13,231,823
1923.....	12,488,199	26,634	12,514,833	12,514,833
1924.....	17,280,346	415,016	17,695,362	17,695,362
1925.....	21,684,942	521,981	22,206,923	22,206,923
1926.....	2,469,861	60	2,469,921	2,469,921
1927.....	4,455,672	123,995	4,579,307	77,592	4,556,959
1928.....	283,321	283,321	3,782,408	4,065,729
1929.....	269,056	45	269,101	5,841,229	6,110,330
1930.....	283,117	283,117	7,005,568	7,388,685
1931.....	37,322	37,322	6,039,079	6,976,401
1932.....	619,694	619,694	2,467,521	3,087,215
1933.....	487	487	2,793,905	2,794,452
1934.....	119,829	119,829	4,167,407	4,287,296
1935.....	2,386,249	61,279	2,447,528	3,231,205	5,678,793
1936.....	945,505	945,505	1,510,409	2,456,004
1937.....	2,020,010	2,020,010	2,723,633	4,743,769
1938.....	4,789,880	1,965,101	29,919	6,814,900	6,750,735	13,574,635
1939.....	8,264,109	1,732,086	4187	10,000,362	6,422,872	16,422,234
1940.....	2,387,254	1,552,504	880	3,940,638	3,137,098	7,078,334
1941.....	3,016,065	325,144	3,341,209	973,299	4,314,508
1942.....	7,998,144	2,623,216	10,621,360	4,705,506	11,091,866
1943.....	11,886,148	9,498,716	21,384,864	21,384,864
1944.....	8,679,273	9,774,659	18,453,932	2,535,547	20,989,479
1945.....	8,777,991	232,850	12,214,180	21,225,021	108,758
1946.....	9,116,647	2,434	8,958,818	18,077,899	18,077,899
1947.....	7,395,765	13,867	5,762,110	13,171,751	255,530
1948.....	10,499,290	55,167	25,901,580	36,456,146	11,153,643
1949.....	20,417,078	48,030	23,511,172	44,006,280	384,040
1950.....	35,139,296	30,396	23,675,512	61,745,204	4,378,420
1951.....	13,284,606	9,150	17,621,586	30,915,342	17,520,891	45,436,233
1952.....	23,103,074	3,389	26,697,061	49,803,524	22,925,248	72,328,772
1953.....	13,297,627	47,468	20,490,810	33,835,905	46,186,816	80,022,721
1954.....	14,280,095	11,818,195	26,107,290	38,466,383	64,573,673
1955.....	9,312,029	19,690,269	29,002,298	44,844,675	73,846,973
1956.....	15,874,652	115,985	21,064,571	37,052,511	20,322,775	57,377,686
1957.....	22,618,429	20,911,816	43,525,245	39,864,027	83,859,272
1958.....	25,387,036	1,075,988	724,753	27,187,777	27,485,321	51,672,068
1959.....	32,522,331	218,133	32,740,464	29,741,982	62,482,446
1960.....	32,056,080	69,104	2,986,543	35,112,627	36,333,548	71,492,175
1961.....	20,594,360	143,709	8,385,175	29,123,244	30,291,007	59,414,251
1962.....	32,046,366	4,576,009	36,622,375	36,731,754	73,354,129
1963.....	41,925,739	6,933,839	48,859,578	16,945,225	65,804,803
1964.....	33,867,847	8,683,164	42,551,011	32,169,953	74,720,964
1965.....	19,850,865	230,603	3,136,516	23,217,984	44,807,150	68,025,134
1966.....	16,141,399	672,854	1,374,659	18,189,212	55,719,626	73,908,838
1967.....	15,184,473	2,387,979	285,471	17,857,923	53,889,762	71,747,685
1968.....	11,617,055	2,779,875	680,229	15,077,159	61,022,572	76,099,731

TABLE 2
YEARLY LANDINGS AND SHIPMENTS IN POUNDS *Albacore tuna*

TABLE 3
YEARLY LANDINGS AND SHIPMENTS IN POUNDS
Bluefin tuna

Year	California waters	North of state	South of state	Total landings	Shipments	Total pounds
1919	14,990,860			14,990,860		14,990,860
1920	10,530,272	---		10,530,272		10,530,272
1921	1,971,813	---		1,971,813		1,971,813
1922	2,811,283	---		2,811,283		2,811,283
1923	3,218,090	---		3,218,090		3,218,090
1924	3,241,110	---		3,241,110		3,241,110
1925	3,893,077	---		3,893,077		3,893,077
1926	6,526,533	---		6,526,533		6,526,533
1927	4,898,386	79		4,898,465		4,898,465
1928	13,700,870	---		13,700,870		13,700,870
1929	7,476,370		50,487	7,526,857		7,526,857
1930	15,598,892		6,322,390	21,921,282		21,921,282
1931	2,356,775		1,177,255	3,534,030		3,534,030
1932	460,044		611,162	1,071,206	1,053,795	2,125,001
1933	324,216		236,276	560,492	889,336	1,449,828
1934	18,291,721		66,107	18,357,828		18,357,828
1935	18,465,813		6,677,270	25,173,083	146,531	25,316,614
1936	13,808,578		5,116,305	18,924,883	745,052	19,669,935
1937	10,822,071		1,571,851	12,603,922	524,062	13,217,984
1938	16,512,262		1,215,760	17,728,031	4,328	17,732,359
1939	9,318,934		2,516,737	11,835,671	44	11,835,715
1940	18,849,968		1,120,300	19,970,268		19,970,268
1941	8,848,147		670,865	9,519,012		9,519,012
1942	10,331,506		2,513,058	12,844,564		12,844,564
1943	7,663,887		2,514,881	10,178,768		10,178,768
1944	10,083,584		4,250,966	20,343,550		20,343,550
1945	14,100,476		6,403,833	20,504,309		20,504,309
1946	15,518,212		6,512,590	22,031,802		22,031,802
1947	14,755,661		6,082,012	20,837,673		20,837,673
1948	1,693,760		4,835,047	6,528,807	168,180	6,696,987
1949	2,266,236		2,123,235	4,389,471		4,389,371
1950	9,339		2,729,624	2,738,963	107,878	2,846,841
1951	837,209		3,025,209	3,862,418	2,112	3,864,530
1952	907,215		3,669,470	4,576,685		4,576,685
1953	3,903,642		5,868,973	9,772,615	62,447	9,835,062
1954	5,647,572		15,377,248	21,024,830	771,147	21,795,067
1955	2,277,735		11,014,442	12,694,177	350,646	13,352,523
1956	2,611,636		10,013,922	12,625,968	162,875	12,789,348
1957	10,462,564		9,851,982	20,314,546	323,024	20,636,570
1958	15,600,801		15,100,431	30,719,232	757,976	31,477,208
1959	13,073,729		2,169,236	15,242,965	554,738	15,297,703
1960	4,339,031		7,613,480	11,952,511	1,463,900	13,416,411
1961	13,762,432		7,120,218	20,882,650	1,272,540	22,155,190
1962	17,039,651		14,160,300	31,199,951	1,919,778	33,119,729
1963	7,130,960		23,222,449	30,353,409	2,348,362	32,701,801
1964	4,655,330		18,515,928	23,171,258	3,660,681	26,331,039
1965	2,274,674		13,050,486	15,928,160	806,346	15,734,506
1966	2,202,585		32,017,581	34,580,406	3,118,804	37,580,510
1967	1,791,634	47,532	11,896,429	18,735,595		13,735,595
1968	3,737,291	1,125	9,197,859	12,936,275	80,998	13,016,373

TABLE 3
YEARLY LANDINGS AND SHIPMENTS IN POUNDS Bluefin tuna

TABLE 4
YEARLY LANDINGS AND SHIPMENTS IN POUNDS
Skipjack tuna

Year	California waters	South of state	Total landings	Shipments	Total pounds
1918.....	3,022,964		3,022,964	---	3,022,964
1919.....	6,880,312	12,115	6,880,427	---	6,880,427
1920.....	7,942,188	15,089	7,957,277	---	7,957,277
1921.....	1,134,853	140	1,134,993	---	1,134,993
1922.....	10,104,563	1,753,270	11,857,833	---	11,857,833
1923.....	4,579,077	6,883,445	11,462,522	---	11,462,522
1924.....	3,393,513	2,424,345	3,774,053	---	3,774,053
1925.....	8,735,478	5,466,775	14,222,453	---	14,222,453
1926.....	14,217,018	0,731,330	20,951,348	---	20,951,348
1927.....	5,802,598	28,003,362	33,805,960	---	33,805,960
1928.....	4,394,033	11,551,972	15,946,910	---	15,946,910
1929.....	8,032,077	18,974,936	27,007,013	59,575	27,066,588
1930.....	3,015,275	17,470,312	20,485,587	---	20,485,587
1931.....	11,965,616	4,541,145	16,506,761	---	16,506,761
1932.....	375,042	21,261,553	21,636,577	---	21,636,577
1933.....	10	16,687,208	16,687,308	405,733	17,003,041
1934.....		14,830,104	14,830,194	1,571,245	16,409,439
1935.....		18,289,270	17,197,186	2,606,68	15,803,954
1936.....	8,456,751	18,549,354	27,006,105	2,264,925	29,271,030
1937.....	1,881,148	45,219,944	47,104,002	7,994,903	54,098,995
1938.....	2,816	22,650,815	22,653,631	3,499,343	26,152,974
1939.....	2,718,641	27,402,250	30,120,891	1,066,059	31,186,950
1940.....	2,985,111	53,665,044	56,650,155	260,367	56,910,522
1941.....	4,214,373	21,371,095	25,585,408	121,596	25,707,064
1942.....	217,838	38,517,390	38,735,228	---	38,735,228
1943.....	17,004	28,875,880	28,803,784	---	28,803,784
1944.....	48,876	29,045,560	30,037,236	---	30,037,236
1945.....	6,078	33,254,818	33,347,896	---	33,347,896
1946.....	1,747,060	39,349,384	41,087,994	---	41,087,994
1947.....	893,946	51,307,122	52,400,168	---	52,400,168
1948.....	319,194	58,451,409	58,770,603	1,103	58,771,706
1949.....	26,677	78,495,241	78,521,918	52,739	78,574,657
1950.....	12,421	124,766,998	124,779,419	3,261,659	128,041,078
1951.....	590	115,886,258	115,886,848	2,750,824	118,637,672
1952.....	531	84,525,763	84,529,297	4,362,370	88,891,667
1953.....	1,307	122,304,876	122,306,183	8,347,736	130,653,919
1954.....	14,369	153,741,701	153,755,190	15,707,756	169,463,946
1955.....	1,216	101,889,720	101,890,966	18,034,023	120,524,989
1956.....	875	120,152,347	120,153,222	15,842,212	135,985,434
1957.....	353,455	90,194,238	90,547,713	20,885,590	111,435,303
1958.....	2,488,007	120,278,637	122,767,544	25,390,712	148,158,256
1959.....	1,365,207	97,100,450	98,405,657	47,725,534	146,194,191
1960.....	24,199	46,279,495	46,303,694	28,494,941	74,798,635
1961.....	578	65,402,282	65,402,860	21,344,772	86,747,632
1962.....	----	92,721,036	92,721,036	6,338,333	99,059,469
1963.....	2,224,116	94,395,828	96,619,944	9,664,889	106,284,833
1964.....	3,988	66,054,490	66,058,351	6,495,326	72,554,280
1965.....	40	84,241,655	84,241,695	5,677,518	89,919,213
1966.....		173,781	50,915,480	51,089,261	14,136,271
1967.....	116,902	110,893,399	110,956,301	4,002,499	114,955,800
1968.....	410,713	58,823,928	59,234,641	1,439,186	60,673,827

TABLE 4
YEARLY LANDINGS AND SHIPMENTS IN POUNDS *Skipjack tuna*

TABLE 5
YEARLY LANDINGS AND SHIPMENTS IN POUNDS
Yellowfin tuna

Year	California waters	South of state	Total landings	Shipments	Total pounds
1919-----	348,081	----	348,081	----	348,081
1920-----	1,477,905	487,119	1,965,024	----	1,965,024
1921-----	1,200,600	96,851	1,297,451	----	1,297,451
1922-----	1,205,023	6,200,256	7,405,279	----	7,405,279
1923-----	428,898	10,408,029	10,836,925	----	10,836,925
1924-----	680,759	2,382,639	3,063,398	----	3,063,398
1925-----	2,963,620	10,274,278	13,237,898	----	13,237,898
1926-----	2,695,502	9,869,481	12,564,986	----	12,564,986
1927-----	595,247	25,338,719	25,933,966	----	25,933,966
1928-----	84,626	32,168,580	32,253,206	----	32,253,206
1929-----	199,444	37,245,480	37,444,924	----	37,444,924
1930-----	35,553	56,618,628	56,654,181	3,587	56,657,768
1931-----	154,024	36,425,456	36,579,480	1,896	36,581,376
1932-----	165,323	36,758,087	36,923,410	----	36,923,410
1933-----	6,807	51,068,763	51,075,630	----	51,075,630
1934-----	19,514	60,893,646	60,913,160	223,942	61,137,102
1935-----	529,001	71,765,126	72,294,127	----	72,294,127
1936-----	767,231	77,585,413	78,352,644	8,628	78,361,272
1937-----	187,732	91,334,726	91,522,458	884,148	92,406,606
1938-----	10,566	78,277,578	78,288,144	74,861	78,363,005
1939-----	457,405	109,960,396	110,417,801	----	110,417,801
1940-----	237,527	113,522,373	113,759,900	138,300	113,898,209
1941-----	1,799	76,662,732	76,664,531	37,289	76,701,820
1942-----	1,315	41,465,299	41,466,614	----	41,466,614
1943-----	2,058	49,259,270	49,261,328	----	49,261,328
1944-----	45,373	63,008,518	63,143,891	----	63,143,891
1945-----	4,959	87,326,481	87,331,440	----	87,331,440
1946-----	32,653	127,214,022	127,246,675	----	127,246,675
1947-----	3,234	150,385,520	150,388,754	70,630	150,450,384
1948-----	593	191,723,388	191,723,981	----	191,723,981
1949-----	9,884	184,514,502	184,524,386	1,087,708	185,612,094
1950-----	1,461	182,314,373	182,315,834	8,130,632	190,446,466
1951-----	63	160,246,175	160,246,238	13,422,415	173,665,653
1952-----	----	178,439,583	178,439,583	7,078,107	185,517,690
1953-----	102	132,096,244	132,086,346	8,458,606	140,541,952
1954-----	----	119,401,795	119,401,795	29,701,898	149,102,693
1955-----	----	122,291,864	122,291,864	40,526,143	162,818,007
1956-----	120	149,280,874	149,280,994	54,604,513	203,885,507
1957-----	70,853	136,884,984	136,955,837	45,085,798	182,041,635
1958-----	417,710	123,001,684	123,419,394	94,655,755	218,075,149
1959-----	81,676	108,288,171	108,369,847	102,622,211	210,992,058
1960-----	10,482	189,296,372	189,306,854	83,341,244	272,648,098
1961-----	----	191,854,056	191,854,056	70,456,206	262,310,252
1962-----	40	124,020,715	124,020,755	94,128,155	218,148,910
1963-----	60,220	109,522,946	109,583,166	52,743,050	162,326,222
1964-----	84	149,020,029	149,020,113	53,835,616	202,855,729
1965-----	----	156,553,451	156,553,451	39,881,904	196,435,355
1966-----	2,385	132,592,138	132,594,523	57,250,249	189,844,772
1967-----	----	140,356,053	140,356,053	26,895,482	167,251,535
1968-----	98,492	152,928,017	153,026,509	59,211,941	212,238,450

TABLE 5
YEARLY LANDINGS AND SHIPMENTS IN POUNDS *Yellowfin tuna*

TABLE 6
YEARLY LANDINGS IN POUNDS AND TONS
Anchovy, Pacific Herring and Sardine

Year	Anchovy		Pacific herring		Sardine*	
	Pounds	Tons	Pounds	Tons	Pounds	Tons
1916.....	531,209	266	2,928,591	1,464	15,648,839	7,824
1917.....	528,753	264	7,435,997	3,718	104,103,331	52,052
1918.....	868,161	434	7,938,280	3,969	157,652,811	78,826
1919.....	1,609,518	805	4,289,899	2,145	153,877,179	76,039
1920.....	569,774	285	274,364	137	118,520,914	59,260
1921.....	1,946,881	973	542,124	271	59,332,305	29,666
1922.....	652,516	326	341,621	171	93,399,900	46,700
1923.....	307,074	154	383,950	192	155,159,356	79,080
1924.....	346,951	174	435,620	218	242,685,958	121,343
1925.....	93,071	46	865,774	433	315,294,986	157,548
1926.....	60,157	30	453,807	227	286,741,250	143,371
1927.....	368,201	184	1,163,821	554	342,275,289	171,138
1928.....	357,470	179	1,139,882	570	420,269,664	210,135
1929.....	382,445	191	957,363	479	651,771,904	325,886
1930.....	319,561	160	717,834	359	562,002,747	281,031
1931.....	307,494	154	688,759	343	364,351,801	182,176
1932.....	299,217	150	765,724	383	422,699,716	211,305
1933.....	317,292	159	601,445	301	626,397,481	313,199
1934.....	257,505	129	801,601	401	1,119,931,099	559,966
1935.....	178,970	90	928,889	464	1,995,758,541	547,879
1936.....	195,122	98	810,530	420	1,463,543,700	731,772
1937.....	226,229	113	631,330	316	1,071,490,525	535,745
1938.....	735,144	368	504,884	252	1,023,389,489	511,695
1939.....	2,147,901	1,074	392,242	151	1,160,793,581	580,397
1940.....	6,317,797	3,159	453,93	227	905,973,404	482,987
1941.....	4,105,382	2,053	789,753	395	1,262,480,303	631,240
1942.....	1,694,290	847	190,815	95	669,747,099	484,874
1943.....	1,570,803	785	630,358	315	973,269,915	486,135
1944.....	3,891,029	1,946	422,299	211	1,147,207,882	573,604
1945.....	1,616,880	808	460,465	230	846,062,774	422,531
1946.....	1,921,627	961	481,776	241	510,759,173	255,380
1947.....	18,940,521	9,470	1,054,850	827	255,513,948	127,757
1948.....	10,835,930	5,118	8,000,492	4,000	362,037,087	181,018
1949.....	3,322,273	1,601	379,311	190	633,379,791	316,690
1950.....	4,878,057	2,439	1,425,351	713	714,522,761	357,261
1951.....	6,954,852	3,477	4,925,655	2,462	328,900,731	164,450
1952.....	55,782,870	27,891	9,495,586	4,748	14,330,420	7,165
1953.....	85,835,478	42,918	7,801,928	3,901	9,468,892	4,734
1954.....	42,410,364	21,205	91,906	456	136,504,017	68,252
1955.....	44,691,582	22,346	1,946,521	973	145,607,749	72,804
1956.....	56,920,585	28,460	1,735,776	868	69,554,345	34,777
1957.....	40,547,526	20,274	1,188,080	504	45,862,106	22,931
1958.....	11,602,724	5,801	2,399,739	1,200	207,445,837	103,723
1959.....	7,173,739	3,587	1,727,013	864	74,366,856	37,183
1960.....	5,058,600	2,629	1,800,672	900	57,532,719	28,766
1961.....	7,711,573	3,856	1,401,248	701	43,169,064	21,584
1962.....	2,764,003	1,382	1,305,569	653	15,362,952	7,682
1963.....	4,570,380	2,285	630,087	315	7,131,221	3,566
1964.....	4,975,089	2,488	349,270	175	13,137,483	6,569
1965.....	5,733,024	2,866	516,319	258	1,924,219	962
1966.....	62,280,236	31,140	241,973	121	878,359	439
1967.....	69,609,377	34,805	271,902	136	148,766	74
1968.....	31,076,116	15,538	357,869	179	124,088	62

* Includes Reduction Ships.

TABLE 6
YEARLY LANDINGS IN POUNDS AND TONS Anchovy, Pacific Herring and Sardine

TABLE 7
YEARLY LANDINGS IN POUNDS AND TONS
Mackerel

Year	Jack mackerel		Pacific mackerel		Unclassified mackerel		Total	
	Pounds	Tons	Pounds	Tons	Pounds	Tons	Pounds	Tons
1916.....	---	--	---	--	1,113,998	557	1,113,998	557
1917.....	---	--	---	--	3,345,563	1,673	3,345,563	1,673
1918.....	---	--	---	--	4,005,906	2,003	4,005,906	2,003
1919.....	---	--	---	--	2,654,596	1,327	2,654,596	1,327
1920.....	---	--	---	--	2,997,308	1,499	2,997,308	1,499
1921.....	---	--	---	--	2,914,613	1,457	2,914,613	1,457
1922.....	---	--	---	--	2,406,762	1,233	2,406,762	1,233
1923.....	---	--	---	--	3,553,954	1,777	3,553,954	1,777
1924.....	---	--	---	--	3,227,300	1,614	3,227,300	1,614
1925.....	---	--	---	--	3,506,103	1,753	3,506,103	1,753
1926.....	235,151	118	3,610,098	1,805	----	----	3,845,249	1,923
1927.....	462,539	231	4,728,903	2,304	----	----	5,191,442	2,596
1928.....	538,446	269	35,251,298	17,626	----	----	35,789,744	17,895
1929.....	698,290	349	57,973,952	28,987	----	----	58,672,242	29,336
1930.....	368,828	184	16,531,364	8,266	----	----	16,900,192	8,450
1931.....	563,108	282	14,254,081	7,127	----	----	14,817,189	7,409
1932.....	536,409	268	12,473,746	6,237	----	----	13,010,555	6,505
1933.....	1,010,850	505	69,613,680	34,937	----	----	70,623,530	35,312
1934.....	1,581,274	731	113,548,583	56,924	----	----	115,624,859	57,115
1935.....	9,983,924	4,992	146,427,202	73,214	----	----	150,411,126	78,206
1936.....	4,590,382	2,300	100,542,214	50,271	----	----	105,141,596	52,571
1937.....	6,541,026	3,270	60,036,701	30,468	----	----	67,477,727	33,739
1938.....	4,133,918	2,067	79,948,015	39,924	----	----	83,981,933	41,991
1939.....	3,760,155	1,880	80,909,374	40,455	----	----	84,669,529	42,335
1940.....	1,432,637	716	120,504,412	60,252	----	----	121,937,049	60,968
1941.....	2,068,685	1,034	78,167,200	39,084	----	----	80,235,885	40,118
1942.....	5,348,501	2,674	52,553,663	26,277	----	----	57,902,164	28,951
1943.....	12,698,974	6,350	75,214,799	37,607	----	----	87,913,773	43,957
1944.....	12,777,077	6,388	83,656,900	41,828	----	----	96,435,977	48,217
1945.....	9,032,987	4,516	53,716,755	26,558	----	----	62,749,732	31,375
1946.....	15,003,321	7,547	58,875,327	26,938	----	----	68,965,648	34,484
1947.....	129,048,507	64,524	46,478,352	23,239	----	----	175,520,869	87,763
1948.....	72,808,335	36,449	39,385,801	19,693	----	----	112,284,136	56,142
1949.....	51,250,088	25,625	49,771,273	24,886	----	----	101,021,361	50,511
1950.....	133,255,752	66,628	32,649,969	16,325	----	----	165,905,721	82,953
1951.....	89,838,095	44,919	33,518,520	16,759	----	----	123,356,615	61,678
1952.....	146,521,673	73,261	20,604,761	10,302	----	----	167,126,434	83,563
1953.....	55,750,855	27,875	7,502,181	3,751	----	----	63,253,036	31,626
1954.....	17,333,581	8,667	25,392,604	12,696	----	----	42,726,185	21,363
1955.....	35,754,707	17,877	23,310,392	11,655	----	----	59,065,009	29,533
1956.....	75,769,210	37,881	50,012,009	25,006	----	----	125,775,119	62,888
1957.....	82,011,785	41,006	62,043,775	31,022	----	----	144,055,560	72,028
1958.....	22,065,801	11,033	27,648,485	13,824	----	----	49,714,286	24,857
1959.....	37,507,227	18,754	37,602,134	18,801	----	----	75,109,361	37,555
1960.....	74,945,453	37,473	36,808,690	18,404	----	----	111,754,143	55,877
1961.....	97,606,304	48,803	44,110,191	22,055	----	----	141,716,498	70,858
1962.....	89,978,933	44,990	48,578,820	24,289	----	----	138,557,733	69,279
1963.....	95,442,284	47,721	40,242,676	20,121	----	----	135,684,960	67,842
1964.....	89,692,911	44,846	26,827,881	13,414	----	----	116,520,732	58,260
1965.....	66,666,380	33,333	7,050,059	3,525	----	----	73,716,439	36,858
1966.....	40,862,409	20,431	4,629,504	2,315	----	----	45,491,913	22,746
1967.....	38,180,547	19,090	1,166,607	583	----	----	39,347,154	19,674
1968.....	55,967,682	27,834	3,133,446	1,507	----	----	58,801,128	29,400

TABLE 7
YEARLY LANDINGS IN POUNDS AND TONS *Mackerel*

TABLE 8
SEASONAL LANDINGS IN TONS
Sardines

Season*	Reduction ships	San Francisco area	Monterey area	Los Angeles area	San Diego area	Total tons
1916-17-----	----	770	7,710	17,380	2,440	27,530
1917-18-----	----	70	23,810	41,340	7,360	72,580
1918-19-----	----	450	35,750	32,530	6,810	75,540
1919-20-----	----	1,000	43,040	16,580	6,410	67,030
1920-21-----	----	230	24,960	11,740	1,520	38,450
1921-22-----	----	80	16,290	19,220	910	36,500
1922-23-----	----	110	29,210	33,170	2,620	65,110
1923-24-----	----	190	45,920	35,040	2,780	83,930
1924-25-----	----	560	67,310	96,330	8,820	173,020
1925-26-----	----	560	69,010	61,990	5,710	137,270
1926-27-----	----	3,520	81,860	64,720	2,110	152,210
1927-28-----	----	16,690	95,020	67,900	4,650	187,260
1928-29-----	----	13,520	120,290	119,250	1,420	254,480
1929-30-----	----	21,960	160,050	140,540	2,020	325,170
1930-31-----	10,960	25,970	109,620	38,490	80	185,120
1931-32-----	31,040	21,607	60,078	42,656	264	164,645
1932-33-----	58,790	18,634	89,599	83,605	62	250,690
1933-34-----	67,820	36,336	152,480	125,047	1,746	383,429
1934-35-----	112,040	68,477	230,854	178,818	4,865	595,054
1935-36-----	150,830	76,147	184,470	138,400	10,051	560,198
1936-37-----	235,610	141,099	206,706	138,115	4,594	726,124
1937-38-----	67,580	133,718	104,936	109,947	383	416,564
1938-39-----	43,890	201,200	180,994	146,403	2,800	575,287
1939-40-----	-----	212,453	227,874	96,827	112	537,266
1940-41-----	-----	118,092	165,698	175,592	1,202	460,384
1941-42-----	-----	186,589	250,287	145,912	1,585	587,373
1942-43-----	-----	115,884	184,399	201,510	2,898	504,661
1943-44-----	-----	126,512	213,616	135,311	2,690	478,129
1944-45-----	-----	136,598	237,246	178,204	2,767	554,005
1945-46-----	-----	84,103	145,519	173,110	951	403,683
1946-47-----	-----	2,869	31,391	194,774	4,768	233,802
1947-48-----	-----	94	17,630	101,154	2,463	121,341
1948-49-----	-----	112	47,862	131,830	3,922	183,726
1949-50-----	-----	17,442	131,799	186,433	3,281	338,925
1950-51-----	-----	12,727	33,699	303,752	2,910	353,088
1951-52-----	-----	82	15,807	111,774	1,351	129,104
1952-53-----	-----	49	5,635	27	5,711	-----
1953-54-----	-----	58	4,111	323	4,492	-----
1954-55-----	-----	856	67,099	510	68,465	-----
1955-56-----	-----	518	73,943	-----	74,461	-----
1956-57-----	-----	63	33,564	16	33,643	-----
1957-58-----	-----	17	22,255	-----	-----	22,272
1958-59-----	-----	24,701	79,264	6	103,971	-----
1959-60-----	-----	16,109	21,146	1	37,256	-----
1960-61-----	-----	2,340	26,436	102	28,878	-----
1961-62-----	-----	-----	2,231	23,295	2	25,528
1962-63-----	-----	-----	1,211	2,961	-----	4,172
1963-64-----	-----	-----	1,015	1,895	32	2,942
1964-65-----	-----	-----	308	5,717	78	6,103
1965-66-----	-----	-----	151	535	33	719
1966-67-----	-----	-----	23	311	10	344
1967-68-----	-----	-----	10	61	-----	71

* Season June through the following May.

TABLE 8
SEASONAL LANDINGS IN TONS Sardines

TABLE 9
YEARLY LANDINGS IN POUNDS
Salmon

Year	Coastal ports	Sacramento area ports	Coastal rivers	Total pounds
1916.....	5,592,216	3,450,786	1,896,592	10,939,594
1917.....	6,085,997	3,975,487	999,097	11,060,581
1918.....	5,933,346	5,938,029	1,221,813	13,093,188
1919.....	7,208,382	4,529,222	1,408,123	13,145,727
1920.....	6,066,190	3,860,312	1,207,317	11,133,819
1921.....	4,483,105	2,511,127	996,700	7,990,932
1922.....	4,338,317	1,765,669	1,131,741	7,235,124
1923.....	3,736,924	2,243,345	1,109,391	7,090,260
1924.....	6,374,573	2,640,110	1,090,586	10,015,269
1925.....	5,481,536	2,775,846	1,205,371	9,525,733
1926.....	3,863,677	1,261,776	958,626	6,084,079
1927.....	4,921,600	920,786	669,543	6,511,929
1928.....	3,444,306	555,777	480,483	4,478,566
1929.....	4,033,660	581,497	429,714	5,044,871
1930.....	4,085,650	1,213,988	703,546	6,002,894
1931.....	3,666,841	941,605	686,065	5,294,511
1932.....	2,649,204	1,264,987	703,990	4,618,181
1933.....	3,657,661	454,253	446,620	4,555,434
1934.....	3,921,530	397,572	----	4,319,102
1935.....	4,773,112	888,808	----	5,661,980
1936.....	4,003,475	949,179	----	5,042,654
1937.....	5,934,996	974,871	----	6,909,867
1938.....	2,170,921	1,665,376	----	3,839,297
1939.....	2,238,755	496,933	----	2,735,688
1940.....	5,160,393	1,515,588	----	6,675,981
1941.....	2,946,030	844,963	----	3,700,993
1942.....	4,063,306	2,352,941	----	6,416,250
1943.....	5,285,527	1,295,124	----	6,580,551
1944.....	7,021,848	3,255,143	----	10,286,991
1945.....	7,912,754	5,467,960	----	13,380,714
1946.....	7,196,527	6,463,245	----	13,659,772
1947.....	8,104,297	3,380,484	----	11,484,781
1948.....	5,860,915	1,939,801	----	7,800,716
1949.....	5,531,021	899,090	----	6,430,111
1950.....	5,867,346	1,202,890	----	7,070,236
1951.....	5,849,530	1,343,171	----	7,192,701
1952.....	6,536,890	738,081	----	7,274,971
1953.....	7,138,223	869,696	----	8,005,519
1954.....	8,599,579	900,961	----	9,500,540
1955.....	9,656,996	2,320,746	----	11,977,742
1956.....	10,274,902	1,139,555	----	11,414,487
1957.....	5,176,000	321,824	----	5,498,733
1958.....	3,656,841	----	----	3,656,841
1959.....	6,768,699	463	----	6,769,162
1960.....	6,221,445	----	----	6,221,445
1961.....	8,637,907	----	----	8,637,907
1962.....	6,672,861	----	----	6,672,861
1963.....	7,859,186	----	----	7,859,186
1964.....	9,481,215	----	----	9,481,215
1965.....	9,737,775	----	----	9,737,775
1966.....	9,446,995	----	----	9,446,995
1967.....	7,401,729	----	----	7,401,729
1968.....	6,951,031	----	----	6,951,031

TABLE 9
YEARLY LANDINGS IN POUNDS Salmon

TABLE 10
YEARLY LANDINGS IN POUNDS
California barracuda

Year	California waters	South of state	Total pounds
1916.....	2,226,902	460,369	2,687,362
1917.....	2,905,368	94,955	3,000,323
1918.....	3,885,691	951,593	4,837,284
1919.....	4,038,852	1,786,105	5,824,957
1920.....	4,585,388	3,615,947	8,201,335
1921.....	4,588,000	3,036,262	7,625,162
1922.....	4,721,148	1,528,770	6,250,218
1923.....	5,135,821	2,064,751	7,200,575
1924.....	4,733,719	2,394,744	7,128,523
1925.....	5,976,453	2,039,996	8,006,449
1926.....	2,945,169	2,077,295	5,022,464
1927.....	4,355,583	1,844,156	6,199,739
1928.....	4,385,214	2,067,242	6,452,456
1929.....	3,925,899	1,302,711	5,228,610
1930.....	3,513,608	1,250,158	4,763,766
1931.....	3,336,065	841,473	4,177,538
1932.....	2,505,101	421,674	2,926,775
1933.....	2,912,152	160,810	3,072,962
1934.....	1,801,264	381,558	2,182,822
1935.....	2,003,947	613,877	2,617,824
1936.....	2,247,888	729,984	2,977,842
1937.....	1,799,045	1,139,445	2,938,490
1938.....	1,260,790	1,269,022	2,529,812
1939.....	2,967,780	1,124,274	4,092,054
1940.....	2,545,661	1,169,171	3,714,832
1941.....	2,971,349	1,230,579	4,201,928
1942.....	2,243,163	1,211,374	3,454,537
1943.....	2,382,884	1,302,451	3,775,338
1944.....	2,317,430	1,330,878	3,648,308
1945.....	1,744,560	2,128,697	3,873,257
1946.....	1,637,346	1,469,678	3,107,024
1947.....	1,695,867	969,878	2,655,745
1948.....	1,100,081	1,025,656	2,125,737
1949.....	903,574	1,554,110	2,457,684
1950.....	890,435	1,367,980	2,255,415
1951.....	670,015	1,436,913	2,106,928
1952.....	747,667	1,346,539	2,094,206
1953.....	565,942	872,904	1,438,846
1954.....	485,046	1,076,793	1,562,739
1955.....	322,831	818,128	1,140,959
1956.....	50,153	702,374	752,527
1957.....	387,143	205,523	682,666
1958.....	753,266	161,993	915,259
1959.....	1,110,409	42,192	1,152,601
1960.....	1,147,831	81,837	1,229,668
1961.....	478,362	231,017	709,379
1962.....	521,769	224,707	746,476
1963.....	347,354	31,360	378,714
1964.....	251,025	83,115	334,140
1965.....	273,003	89,055	362,058
1966.....	233,319	85,797	319,116
1967.....	281,224	31,960	313,184
1968.....	114,534	25,966	140,500

TABLE 10
YEARLY LANDINGS IN POUNDS *California barracuda*

TABLE 11
YEARLY LANDINGS IN POUNDS
Pacific bonito

Year	California waters	South of state	Total pounds
1916.....	465,691	14,715	480,406
1917.....	889,376	---	889,376
1918.....	2,265,047	176,667	2,441,714
1919.....	2,908,745	600,353	3,509,098
1920.....	672,393	201,255	873,648
1921.....	241,859	82,878	324,737
1922.....	894,292	63,650	957,942
1923.....	478,771	636,476	1,115,247
1924.....	843,095	202,187	1,045,282
1925.....	782,868	96,298	879,166
1926.....	2,942,906	178,698	3,121,604
1927.....	1,121,476	596,532	1,718,008
1928.....	1,336,719	770,370	2,107,089
1929.....	593,886	2,324,658	2,918,544
1930.....	3,866,496	1,297,764	5,164,290
1931.....	3,014,135	65,533	3,079,673
1932.....	1,676,487	1,182,799	2,862,286
1933.....	1,967,244	284,955	2,252,199
1934.....	3,003,048	199,646	3,202,694
1935.....	2,263,740	5,632,744	7,896,484
1936.....	2,216,679	4,999,237	7,215,916
1937.....	5,707,212	2,100,858	7,808,070
1938.....	4,684,570	3,155,423	7,839,993
1939.....	6,697,249	3,221,626	9,918,875
1940.....	3,553,121	1,738,019	5,291,140
1941.....	7,850,496	3,057,106	10,907,602
1942.....	860,833	789,856	1,650,689
1943.....	801,535	1,480,764	2,282,299
1944.....	326,175	492,696	818,871
1945.....	339,664	2,374,517	2,714,181
1946.....	582,948	5,042,700	5,625,648
1947.....	384,327	13,312,856	13,697,183
1948.....	214,992	8,920,134	9,135,126
1949.....	99,244	1,730,297	1,829,511
1950.....	33,456	662,158	695,614
1951.....	54,047	722,756	776,803
1952.....	7,504	2,135,013	2,142,517
1953.....	19,099	3,083,578	3,102,647
1954.....	218,701	2,100,359	2,319,060
1955.....	40,354	96,636	136,990
1956.....	22,491	105,123	127,614
1957.....	110,174	108,975	219,149
1958.....	4,804,784	742,022	5,546,806
1959.....	3,003,058	8,558	3,011,616
1960.....	1,219,682	30,862	1,250,544
1961.....	8,439,400	73,572	8,512,972
1962.....	2,071,998	62,994	2,134,992
1963.....	4,013,505	9,017	4,022,522
1964.....	2,606,411	5,858	2,612,269
1965.....	5,632,399	5,941	5,633,340
1966.....	18,308,175	840,319	19,148,494
1967.....	17,841,537	3,377,894	21,219,431
1968.....	14,903,357	18,572	14,921,929

TABLE 11
YEARLY LANDINGS IN POUNDS Pacific bonito

TABLE 12
YEARLY LANDINGS IN POUNDS
Giant sea bass

Year	California waters	South of state	Total pounds
1916.....	129,414	24,026	153,440
1917.....	152,570	5,810	158,380
1918.....	210,432	38,363	248,795
1919.....	126,997	58,273	185,270
1920.....	89,869	58,188	148,037
1921.....	87,196	40,235	127,431
1922.....	83,692	13,662	97,354
1923.....	75,740	151,255	226,995
1924.....	88,677	142,727	231,404
1925.....	102,904	86,168	189,072
1926.....	120,070	257,864	377,934
1927.....	182,726	284,899	467,595
1928.....	204,862	177,253	382,115
1929.....	164,093	240,293	404,386
1930.....	187,473	206,536	394,009
1931.....	254,017	248,047	502,064
1932.....	221,203	242,643	473,846
1933.....	119,582	333,441	453,023
1934.....	53,752	807,746	861,498
1935.....	17,223	614,536	631,759
1936.....	19,854	378,741	398,595
1937.....	20,412	695,172	715,584
1938.....	34,848	372,978	407,826
1939.....	32,964	427,079	460,043
1940.....	42,784	323,899	366,683
1941.....	37,801	371,736	409,537
1942.....	13,717	365,063	378,780
1943.....	19,271	681,584	700,855
1944.....	18,478	416,402	434,880
1945.....	10,481	319,687	330,168
1946.....	26,325	406,236	432,561
1947.....	18,922	225,382	244,304
1948.....	16,637	171,374	188,011
1949.....	17,221	97,180	114,401
1950.....	11,903	138,893	150,796
1951.....	8,500	268,894	277,484
1952.....	5,572	308,222	313,494
1953.....	7,523	404,156	411,979
1954.....	5,835	344,441	350,276
1955.....	7,663	357,824	365,487
1956.....	39,610	291,708	331,318
1957.....	9,302	233,051	242,353
1958.....	9,962	206,065	216,027
1959.....	10,085	239,824	249,909
1960.....	20,665	221,125	241,690
1961.....	12,509	327,854	340,363
1962.....	8,188	438,021	446,209
1963.....	13,960	289,619	303,579
1964.....	14,018	208,697	222,715
1965.....	13,053	338,697	351,750
1966.....	7,486	333,481	340,967
1967.....	11,893	218,711	230,604
1968.....	14,919	143,502	158,421

TABLE 12
YEARLY LANDINGS IN POUNDS Giant sea bass

TABLE 13
YEARLY LANDINGS IN POUNDS
White seabass

Year	California waters	South of state	Total pounds
1916.....	477,091	321,024	798,115
1917.....	869,187	30,810	899,997
1918.....	1,458,367	154,853	1,613,520
1919.....	2,380,713	74,654	2,455,367
1920.....	2,375,546	252,402	2,628,108
1921.....	2,069,414	500,075	2,569,489
1922.....	2,195,831	736,220	2,932,051
1923.....	1,781,070	591,877	2,373,847
1924.....	938,760	550,829	1,489,589
1925.....	890,437	994,672	1,885,109
1926.....	1,477,789	738,613	2,216,402
1927.....	806,559	1,466,848	2,273,407
1928.....	824,879	475,335	1,300,214
1929.....	955,556	606,676	1,562,232
1930.....	1,239,285	387,137	1,626,422
1931.....	1,058,162	341,251	1,399,413
1932.....	667,363	137,433	804,796
1933.....	828,129	334,050	1,163,079
1934.....	468,299	382,898	851,197
1935.....	648,000	417,519	1,066,419
1936.....	564,056	243,137	808,093
1937.....	263,195	336,224	599,419
1938.....	269,987	356,660	626,647
1939.....	806,604	187,792	994,396
1940.....	811,307	101,409	915,716
1941.....	832,454	75,842	908,296
1942.....	356,655	197,200	553,855
1943.....	379,178	121,005	500,183
1944.....	254,070	139,918	393,988
1945.....	380,468	147,262	527,730
1946.....	472,204	144,272	616,476
1947.....	692,214	390,709	1,083,023
1948.....	789,691	324,599	1,114,290
1949.....	945,502	464,097	1,409,599
1950.....	1,123,463	407,911	1,531,374
1951.....	955,428	577,827	1,533,255
1952.....	692,292	454,811	1,147,103
1953.....	471,206	402,087	873,293
1954.....	434,354	771,757	1,206,111
1955.....	544,935	369,912	914,865
1956.....	413,656	667,267	1,081,223
1957.....	1,261,555	245,140	1,507,095
1958.....	2,750,652	99,111	2,849,763
1959.....	3,385,791	37,562	3,423,353
1960.....	1,086,895	149,303	1,236,198
1961.....	458,491	235,733	694,224
1962.....	208,867	365,541	574,408
1963.....	372,479	518,741	891,220
1964.....	550,817	840,264	1,391,081
1965.....	577,807	850,538	1,428,145
1966.....	674,545	663,305	1,337,850
1967.....	507,588	715,171	1,222,759
1968.....	210,650	651,830	861,880

TABLE 13
YEARLY LANDINGS IN POUNDS White seabass

TABLE 14
YEARLY LANDINGS IN POUNDS
California yellowtail

Year	California waters	South of state	Total pounds
1916-----	1,137,253	16,141	1,153,394
1917-----	2,736,606	9,089	2,745,995
1918-----	11,375,426	139,946	11,515,372
1919-----	4,871,763	133,502	5,005,265
1920-----	2,486,537	218,400	2,704,937
1921-----	2,139,626	351,170	2,490,796
1922-----	3,111,131	303,292	3,414,423
1923-----	2,968,506	1,094,012	4,062,608
1924-----	2,883,012	1,851,137	4,714,149
1925-----	2,586,621	593,270	3,179,891
1926-----	3,173,424	1,849,690	5,023,114
1927-----	1,435,456	2,789,397	4,224,853
1928-----	1,297,037	1,386,477	2,683,514
1929-----	849,945	2,225,319	3,075,264
1930-----	1,214,559	3,555,797	4,770,756
1931-----	1,690,680	835,173	2,525,853
1932-----	1,024,086	772,278	1,796,364
1933-----	1,233,286	2,665,602	3,898,888
1934-----	210,690	2,136,571	2,347,161
1935-----	582,899	7,566,129	8,148,718
1936-----	253,723	9,838,747	10,092,470
1937-----	223,983	5,147,492	5,371,475
1938-----	246,238	6,566,080	6,812,318
1939-----	262,524	2,603,764	2,866,288
1940-----	329,036	5,627,768	5,956,804
1941-----	95,924	9,734,766	9,830,690
1942-----	55,017	2,671,252	2,726,269
1943-----	33,359	4,901,520	4,934,879
1944-----	28,464	2,928,707	2,957,171
1945-----	23,415	3,510,637	3,534,052
1946-----	31,285	4,530,298	4,561,583
1947-----	103,706	9,849,148	9,952,854
1948-----	246,553	10,138,141	10,384,694
1949-----	15,907	7,301,833	7,317,740
1950-----	5,727	3,524,174	3,529,901
1951-----	14,454	4,655,282	4,669,736
1952-----	51,116	9,395,863	9,446,979
1953-----	14,379	5,198,004	5,212,383
1954-----	11,846	1,644,932	1,656,778
1955-----	5,570	158,752	164,322
1956-----	18,598	352,280	370,887
1957-----	150,898	358,053	508,951
1958-----	105,486	64,144	169,630
1959-----	207,187	24,097	231,284
1960-----	156,518	92,115	248,633
1961-----	80,689	300,080	380,769
1962-----	37,066	151,355	188,421
1963-----	25,443	44,283	69,726
1964-----	25,878	84,221	110,099
1965-----	12,522	115,283	127,805
1966-----	35,880	209,327	245,207
1967-----	13,179	137,489	150,698
1968-----	22,460	140,717	163,177

TABLE 14
YEARLY LANDINGS IN POUNDS *California yellowtail*

TABLE 15
YEARLY LANDINGS IN POUNDS
Flatfish other than sole

Year	California halibut	Pacific halibut	Arrowtooth flounder*	Starry flounder	Sanddab	Turbot
1916.....	4,052,173	70,344	----	453,916	2,228,734	2,608
1917.....	4,379,312	131,585	----	1,151,876	2,631,862	1,327
1918.....	4,624,218	129,473	----	818,835	1,751,609	3,664
1919.....	4,698,123	161,375	----	435,731	709,738	2,115
1920.....	4,279,582	165,308	----	481,887	721,810	855
1921.....	3,653,861	141,896	----	263,456	78,011	219
1922.....	3,254,505	148,979	----	539,220	1,170,979	1,534
1923.....	2,229,381	197,456	----	508,961	1,363,911	1,011
1924.....	2,576,882	132,016	----	379,770	1,699,832	1,868
1925.....	2,452,551	161,310	----	594,420	1,952,847	3,926
1926.....	1,319,031	338,689	----	667,711	1,143,935	1,365
1927.....	1,303,559	568,672	----	590,064	892,718	3,950
1928.....	1,187,651	375,840	----	399,880	1,108,764	9,234
1929.....	1,102,573	750,624	----	580,752	1,051,868	1,323
1930.....	1,097,760	413,958	----	391,096	618,349	7,345
1931.....	969,773	700,384	----	169,806	472,805	18,284
1932.....	949,702	645,828	----	543,806	665,345	23,422
1933.....	989,549	321,664	----	457,998	562,994	49,615
1934.....	1,037,008	1,022,965	----	537,164	767,025	72,548
1935.....	1,575,863	872,971	----	656,113	675,597	72,287
1936.....	1,582,907	539,457	----	621,186	621,675	116,275
1937.....	1,207,235	316,641	----	974,770	516,195	75,990
1938.....	1,078,229	421,910	----	542,812	639,328	85,896
1939.....	991,621	402,250	----	739,311	821,204	104,585
1940.....	948,457	309,491	----	804,089	779,078	62,124
1941.....	706,550	234,762	----	601,577	442,487	26,940
1942.....	750,539	238,988	----	370,125	353,540	6,571
1943.....	1,111,998	281,121	----	505,399	505,338	38,047
1944.....	1,485,163	250,946	----	366,820	551,289	72,825
1945.....	1,748,821	290,138	----	337,543	592,062	159,870
1946.....	2,457,187	403,070	----	500,448	679,072	49,847
1947.....	1,787,901	282,100	----	527,072	701,413	101,784
1948.....	1,306,629	130,589	----	405,251	804,695	114,701
1949.....	1,256,435	167,347	----	356,374	722,183	95,605
1950.....	1,092,748	201,900	74,309	913,765	690,621	128,080
1951.....	868,201	86,749	59,801	1,128,892	543,821	110,164
1952.....	525,402	212,581	112,913	597,477	659,874	81,895
1953.....	530,315	98,219	88,367	502,526	690,443	69,158
1954.....	661,331	90,682	550,457	509,550	753,471	175,918
1955.....	509,742	51,942	748,249	650,180	781,564	100,498
1956.....	455,659	39,158	1,070,597	375,400	789,280	83,294
1957.....	376,815	26,206	933,715	504,461	692,083	96,055
1958.....	267,446	8,271	643,880	471,202	406,438	72,533
1959.....	354,242	8,345	787,254	1,046,926	466,684	129,225
1960.....	376,263	4,916	1,007,679	259,038	348,373	62,438
1961.....	651,551	3,981	160,659	315,337	562,964	71,367
1962.....	862,086	3,516	53,326	338,192	679,911	80,283
1963.....	1,120,369	4,508	17,345	521,310	555,783	96,819
1964.....	1,276,105	3,040	9,735	420,986	589,526	93,280
1965.....	1,243,718	5,019	11,595	375,389	479,041	78,531
1966.....	1,011,412	671	3,503	380,628	720,101	83,327
1967.....	838,058	498	6,041	870,707	687,168	72,853
1968.....	671,654	127	13,400	856,157	714,622	69,504

* Arrowtooth flounder were tabulated with unclassified sole prior to 1950.
† The drop in landings after 1960 reflects a change in reporting animal food landings (see text).

TABLE 15
YEARLY LANDINGS IN POUNDS Flatfish other than sole

TABLE 16
YEARLY LANDINGS IN POUNDS
Sole *

Year	Dover	English	Petrale	Rex	Sand	Unclassified	Total pounds
1916	---	---	---	---	---	6,407,186	6,407,186
1917	---	---	---	---	---	8,228,429	8,728,429
1918	---	---	---	---	---	7,027,737	7,027,737
1919	---	---	---	---	---	5,538,085	5,525,085
1920	---	---	---	---	---	3,821,748	3,821,748
1921	---	---	---	---	---	4,870,870	4,870,870
1922	---	---	---	---	---	7,043,336	7,043,336
1923	---	---	---	---	---	7,086,036	7,086,036
1924	---	---	---	---	---	8,835,351	8,835,351
1925	---	---	---	---	---	8,762,533	8,762,533
1926	---	---	---	---	---	8,049,870	8,049,870
1927	---	---	---	---	---	10,479,765	10,479,765
1928	---	---	---	---	---	10,281,719	10,281,719
1929	---	---	---	---	---	11,706,761	11,706,761
1930	---	---	---	---	---	10,924,085	10,924,085
1931	---	1,375,535	831,240	---	---	7,206,107	9,412,882
1932	---	1,227,223	555,558	---	---	7,108,059	8,890,840
1933	---	953,424	559,743	---	---	6,797,926	8,311,095
1934	5,280,154	2,456,080	715,498	---	---	514,962	8,967,603
1935	6,035,966	1,988,325	631,432	---	---	505,540	9,164,263
1936	6,288,867	1,126,527	515,618	---	---	305,066	8,325,008
1937	5,750,090	1,802,721	451,497	---	---	297,944	8,302,222
1938	4,953,824	2,026,005	515,551	---	---	242,203	7,737,547
1939	5,270,424	2,535,461	667,496	---	---	248,411	9,744,792
1940	5,056,355	1,375,489	593,359	---	---	162,622	7,388,005
1941	3,278,630	893,426	317,130	---	---	82,661	4,625,855
1942	3,202,562	611,580	387,545	---	---	136,070	3,155,757
1943	3,002,170	918,925	495,672	---	---	275,612	4,782,379
1944	3,066,865	1,123,986	413,286	---	---	96,237	4,700,374
1945	5,857,244	1,232,801	412,179	---	---	250,481	7,782,702
1946	7,176,727	2,686,285	570,418	---	---	151,263	10,564,803
1947	8,374,502	2,947,177	812,698	---	---	163,641	12,333,594
1948	7,234,438	8,711,915	5,059,034	893,248	---	265,624	21,654,939
1949	7,590,073	5,713,258	4,932,156	982,307	---	191,691	19,729,485
1950	9,548,379	8,080,693	4,366,598	1,063,456	---	812,382	23,376,508
1951	8,621,238	5,631,659	2,726,304	1,013,890	---	179,369	18,172,460
1952	11,748,215	4,911,468	2,893,616	1,185,451	---	70,563	20,809,316
1953	8,904,367	4,099,108	3,350,163	1,020,577	34,542	36,958	17,446,013
1954	9,930,438	3,748,245	4,171,901	1,183,538	75,544	72,056	19,181,722
1955	8,185,501	4,134,779	3,619,530	1,094,437	92,572	19,425	17,146,244
1956	8,268,424	3,826,297	2,830,158	1,147,828	77,357	22,852	16,172,611
1957	7,032,137	4,819,873	3,456,810	1,234,184	56,061	28,252	17,527,635
1958	8,055,040	5,150,234	3,146,678	1,122,891	24,035	15,214	17,823,492
1959	7,346,420	4,017,491	2,632,451	1,413,005	95,765	21,197	16,300,329
1960	9,184,814	2,375,383	2,475,661	1,107,372	73,464	228,066	15,444,760
1961	7,826,617	3,645,918	3,390,739	1,208,829	77,130	34,484	16,183,717
1962	8,581,091	4,206,048	3,041,164	1,408,245	196,565	68,444	17,501,557
1963	9,781,732	4,254,545	3,317,948	1,565,672	331,208	43,415	19,294,520
1964	9,265,238	4,592,752	2,697,676	1,410,647	336,197	47,285	18,349,769
1965	10,759,963	4,892,391	2,662,257	1,490,475	310,444	43,016	20,158,546
1966	10,311,633	4,844,868	2,927,190	1,035,390	235,691	25,957	19,980,738
1967	7,215,037	5,821,909	2,708,537	1,766,038	305,897	31,712	17,909,130
1968	8,535,521	5,811,438	2,946,603	1,930,583	211,376	29,614	19,465,137

* Prior to 1931, all soles were combined as one group; individual species were tabulated separately when they became sufficiently important.

TABLE 16
YEARLY LANDINGS IN POUNDS Sole

TABLE 17
YEARLY LANDINGS IN POUNDS
Perch and perch-like fishes

Year	Opaleye	Halfmoon	Blacksmith	Sargo	Perch	Total pounds
1916	---	---	---	---	221,186	221,186
1917	---	---	---	---	252,503	252,503
1918	---	---	---	---	203,420	203,420
1919	---	---	---	---	192,481	192,481
1920	---	---	---	---	186,381	186,381
1921	---	---	---	---	253,199	253,199
1922	---	---	---	---	243,776	243,776
1923	---	---	---	---	359,682	359,682
1924	---	---	---	---	305,726	305,726
1925	---	---	---	---	272,351	272,351
1926	---	---	---	---	208,910	208,910
1927	---	---	---	---	262,893	262,893
1928	---	30,104	---	---	236,574	267,078
1929	---	16,308	---	---	311,194	327,502
1930	---	36,765	---	---	267,372	304,737
1931	17,913	24,692	---	260	223,092	265,957
1932	15,279	21,547	---	---	207,222	244,048
1933	4,272	8,880	---	503	214,511	228,166
1934	3,896	28,394	---	334	192,596	225,220
1935	1,424	33,432	---	5,226	241,525	281,607
1936	1,781	42,166	100	515	207,280	251,742
1937	1,778	34,333	---	3,069	210,309	249,589
1938	100	27,501	---	5	185,815	183,421
1939	20	---	---	773	139,394	140,187
1940	39	192	---	435	57,977	58,643
1941	---	---	---	220	25,832	26,052
1942	66	---	---	---	58,018	58,084
1943	17	---	---	---	113,018	113,035
1944	7	---	---	2,305	146,546	148,858
1945	---	---	---	1,384	217,486	218,870
1946	1,519	---	---	196	192,430	192,626
1947	564	614	---	44	289,182	290,745
1948	564	---	---	1,899	302,087	305,164
1949	954	---	---	31	326,336	327,321
1950	6,278	1,604	---	27	242,354	250,263
1951	1,006	254	---	1,580	237,331	240,171
1952	525	---	83,811	---	213,357	297,693
1953	392	---	14,200	---	281,998	296,590
1954	9,164	50,007	---	2,040	118,499	179,710
1955	6,117	34,410	---	695	136,554	177,776
1956	3,433	15,108	---	---	187,681	206,222
1957	5,198	12,572	---	---	245,699	263,769
1958	2,351	4,455	3	1,740	180,679	198,228
1959	4,866	3,630	---	35	212,933	221,393
1960	1,208	2,504	---	222	164,273	165,007
1961	2,337	5,907	---	44	118,245	126,533
1962	1,674	8,536	20	59	165,115	175,404
1963	4,378	8,683	2,900	171	172,884	189,016
1964	2,001	10,043	145,143	11	133,115	290,313
1965	3,149	10,518	117,785	128	187,736	319,316
1966	19,432	9,530	6,920	1,120	160,381	197,383
1967	17,298	25,431	7,620	41	202,513	252,903
1968	11,173	49,617	137,634	46	168,040	366,510

TABLE 17
YEARLY LANDINGS IN POUNDS Perch and perch-like fishes

TABLE 18
YEARLY LANDINGS IN POUNDS
Fishes

Year	Cabezon	White croaker*	Pacific hake	Lingcod	Rockfish	Sablefish
1916	569	779,287	189,219	617,236	4,918,052	83,623
1917	434	835,259	251,331	930,519	7,774,026	209,816
1918	167	1,014,820	193,018	915,836	8,242,754	498,937
1919	—	609,175	133,181	1,063,136	5,398,109	334,950
1920	—	461,459	141,981	687,954	5,633,077	781,032
1921	—	391,085	90,218	425,543	4,761,658	1,022,642
1922	—	581,863	74,516	568,481	4,812,014	268,554
1923	—	411,564	78,969	467,347	5,096,622	538,292
1924	—	384,317	60,780	400,432	4,742,885	933,310
1925	3,352	538,654	22,017	683,130	5,488,621	722,472
1926	—	484,921	58,335	649,902	7,540,089	175,612
1927	—	752	529,267	84,553	556,308	6,390,604
1928	2,628	441,758	108,648	853,537	6,419,909	916,655
1929	—	1,196	476,497	145,669	1,167,120	6,036,409
1930	—	1,046	457,167	56,088	1,288,172	1,439,408
1931	—	1,115	414,034	12,501	1,229,088	1,021,215
1932	—	4,678	447,531	29,001	899,912	5,636,319
1933	—	4,265	564,274	37,539	1,088,955	4,787,774
1934	—	5,265	634,345	56,901	857,600	4,603,538
1935	—	10,537	768,676	73,943	1,017,455	2,848,672
1936	—	18,468	652,134	50,791	758,547	4,603,904
1937	—	8,189	645,759	63,454	968,358	4,291,214
1938	—	5,425	493,209	36,428	646,004	3,657,137
1939	—	4,023	542,901	13,661	576,972	3,333,126
1940	—	3,392	412,228	18,049	692,243	3,570,636
1941	—	13,346	325,155	15,044	529,772	3,405,622
1942	—	2,312	284,225	41,981	314,334	1,423,440
1943	—	7,532	396,633	10,905	719,318	2,762,192
1944	—	3,906	367,701	4,751	746,039	6,422,236
1945	—	4,417	459,515	2,415	758,395	4,116,451
1946	—	7,890	437,023	550	1,156,127	11,161,222
1947	—	4,526	458,686	876	1,940,747	8,498,584
1948	—	8,202	643,123	4,600	2,056,088	6,507,205
1949	—	16,073	764,429	1,535	1,656,184	5,962,267
1950	—	21,679	750,722	500	1,915,905	1,743,372
1951	—	23,875	682,269	24,972	1,672,114	10,993,502
1952	—	34,556	3,273,702	6,145	1,366,279	10,727,521
1953	—	13,365	1,201,134	103,926	952,103	12,228,663
1954	—	6,262	913,802	611,522	947,383	12,640,726
1955	—	6,944	819,485	956,345	964,926	12,681,697
1956	—	12,415	889,870	1,376,217	931,311	14,943,515
1957	—	13,206	535,362	1,150,006	1,639,654	16,091,270
1958	—	19,612	770,534	1,135,138	1,569,515	17,842,163
1959	—	9,508	1,534,382	1,097,069	1,406,297	15,281,282
1960	—	3,067	1,078,119	325,088	1,307,129	13,713,886
1961	—	4,952	889,164	1,3275	1,439,943	10,830,762
1962	—	2,474	687,633	78,830	1,112,204	9,834,393
1963	—	2,811	551,059	139,699	1,133,008	11,749,466
1964	—	5,281	838,584	111,829	836,377	8,117,912
1965	—	7,438	1,135,566	119,255	812,690	9,392,424
1966	—	12,599	700,997	60,002	900,203	10,063,592
1967	—	14,284	496,378	14,430	938,655	9,798,951
1968	—	20,106	941,304	6,494	1,094,051	9,444,396

* White croaker includes queenfish.

† The drop in landings after 1960 reflects a change in reporting animal food landings (see text).

TABLE 18
YEARLY LANDINGS IN POUNDS Fishes

TABLE 18—Continued
YEARLY LANDINGS IN POUNDS
Fishes

Year	Solepin	Shark	California sheephead	Smelt	Swordfish	Whitebait smelt
1916.....	8,014	36,247	3,549	991,509	----	161,797
1917.....	17,425	287,872	5,906	981,270	----	123,079
1918.....	28,237	403,093	22,978	796,984	18,442	135,857
1919.....	25,432	612,683	17,972	756,980	18,252	5,915
1920.....	35,674	811,349	14,567	741,187	12,513	678
1921.....	58,380	539,333	23,925	765,073	14,803	5,229
1922.....	42,121	282,118	18,205	830,140	23,256	81,007
1923.....	60,466	360,363	31,628	806,549	11,691	67,318
1924.....	109,070	392,634	24,267	721,912	31,833	122,483
1925.....	223,104	372,332	48,811	751,669	27,045	70,968
1926.....	108,068	506,723	138,927	883,123	45,543	85,557
1927.....	113,457	325,653	159,397	965,921	130,288	134,149
1928.....	97,083	623,816	372,677	926,116	426,001	135,186
1929.....	107,797	833,955	288,422	933,095	693,081	243,119
1930.....	88,610	647,297	243,689	1,054,665	562,729	174,917
1931.....	91,688	500,134	198,347	1,074,810	340,769	141,495
1932.....	85,593	850,888	80,591	899,216	681,470	133,540
1933.....	64,160	471,030	58,679	729,702	850,699	95,751
1934.....	65,929	532,280	143,552	732,191	233,958	195,982
1935.....	69,549	555,256	188,022	875,480	669,283	164,345
1936.....	110,417	471,861	128,577	841,231	577,402	197,738
1937.....	137,312	914,205	81,466	682,070	625,307	86,177
1938.....	155,386	7,504,329	72,031	567,861	722,478	106,724
1939.....	128,628	9,227,750	71,361	474,936	594,360	166,883
1940.....	122,133	7,860,030	62,352	449,360	887,168	127,449
1941.....	95,287	7,017,334	49,119	452,739	916,739	131,102
1942.....	44,332	3,351,568	50,258	443,939	445,908	139,258
1943.....	42,350	3,723,334	151,188	1,566,273	334,388	141,367
1944.....	57,270	2,613,431	168,653	1,341,044	731,596	269,425
1945.....	94,656	2,436,096	249,584	2,369,880	363,083	291,152
1946.....	145,129	1,608,846	267,125	793,336	863,494	344,477
1947.....	127,048	2,637,926	193,489	713,310	1,009,957	326,616
1948.....	155,076	2,480,555	100,227	782,096	1,113,808	222,499
1949.....	148,367	1,550,992	63,524	715,616	198,361	241,174
1950.....	139,523	717,247	66,209	590,968	26,494	207,607
1951.....	101,437	842,321	61,410	1,095,065	228,034	162,054
1952.....	83,610	623,238	36,241	646,679	265,890	152,115
1953.....	119,036	449,753	55,426	670,116	142,831	179,292
1954.....	134,310	770,337	29,184	609,082	23,035	267,426
1955.....	108,056	576,201	13,152	780,172	134,659	214,358
1956.....	100,232	1,085,314	6,575	466,333	275,174	148,820
1957.....	73,268	728,900	11,033	371,472	375,986	243,600
1958.....	64,872	491,713	11,366	549,864	471,775	306,805
1959.....	37,342	602,191	10,233	551,945	448,220	274,408
1960.....	29,203	604,191	4,740	429,299	324,754	168,458
1961.....	26,718	623,972	12,692	491,265	368,855	335,852
1962.....	57,941	753,177	20,327	339,498	39,057	188,357
1963.....	75,521	665,367	28,011	358,456	98,074	148,080
1964.....	94,225	646,569	17,934	414,039	183,023	191,215
1965.....	82,736	648,265	12,153	368,951	327,174	148,596
1966.....	108,499	653,790	15,984	522,457	468,772	162,259
1967.....	82,656	596,898	19,628	501,975	305,067	199,694
1968.....	125,175	499,947	12,750	443,062	199,398	238,061

TABLE 18
YEARLY LANDINGS IN POUNDS Fishes

TABLE 19
YEARLY LANDINGS IN POUNDS
Crustaceans

Year	Market crab	Rock crab	Spiny lobster	Bay shrimp	Ocean shrimp	Spot prawn
1916-----	1,298,912	----	250,632	411,847	----	----
1917-----	2,580,840	----	355,259	603,094	----	----
1918-----	1,612,280	----	195,750	722,178	----	----
1919-----	1,301,504	----	255,894	747,023	----	----
1920-----	1,220,568	----	247,156	817,091	----	----
1921-----	800,952	----	334,271	907,467	----	1,006
1922-----	860,328	----	376,310	990,349	----	----
1923-----	1,075,800	----	384,381	1,113,358	----	----
1924-----	1,506,816	----	294,356	1,351,086	----	----
1925-----	3,234,312	----	432,059	1,460,234	----	----
1926-----	3,290,280	----	442,198	1,431,511	----	----
1927-----	2,999,712	----	508,123	1,697,395	----	----
1928-----	3,574,464	270	355,800	2,289,871	----	----
1929-----	1,792,776	----	396,764	3,054,748	----	----
1930-----	1,992,384	12	374,450	2,687,831	----	8,736
1931-----	2,231,384	56	383,697	1,684,763	----	4,114
1932-----	2,433,987	145	319,307	2,681,807	----	982
1933-----	3,208,494	14,818	380,014	2,087,952	----	798
1934-----	3,768,081	24,570	366,651	1,783,963	----	910
1935-----	3,680,188	12,817	371,661	3,445,091	----	2,351
1936-----	2,311,302	10,202	414,183	2,240,849	----	1,881
1937-----	1,627,753	1,710	303,242	1,109,761	----	3,011
1938-----	3,873,600	3,847	309,378	1,847,926	----	3,285
1939-----	5,953,361	3,984	376,928	1,175,970	----	4,271
1940-----	5,151,014	3,460	281,102	1,080,190	----	2,361
1941-----	4,290,340	2,645	357,334	952,152	----	5,57
1942-----	2,414,110	80	168,641	800,958	----	----
1943-----	2,315,338	----	298,377	253,215	----	43
1944-----	2,934,776	510	512,490	291,974	----	----
1945-----	4,334,383	12,188	478,619	382,147	----	1,452
1946-----	9,624,268	11,600	600,272	492,145	----	5,175
1947-----	10,733,398	15,244	503,401	811,086	----	1,687
1948-----	11,892,891	20,938	563,520	926,707	----	2,771
1949-----	11,115,476	18,636	834,658	800,441	----	3,952
1950-----	11,704,548	20,007	901,293	744,768	206,797	2,695
1951-----	11,568,553	22,502	824,611	931,323	2,694	----
1952-----	12,997,451	16,977	807,070	913,908	205,485	3,016
1953-----	8,278,519	49,300	749,245	732,308	287,410	2,723
1954-----	7,829,651	39,058	901,293	744,768	206,797	2,695
1955-----	6,119,320	54,051	855,416	682,731	838,656	1,182
1956-----	14,320,549	59,171	725,859	718,068	1,108,519	1,233
1957-----	10,118,484	151,131	647,281	192,811	3,370,641	767
1958-----	17,282,705	160,962	632,618	45,055	1,728,680	911
1959-----	17,262,261	129,534	505,947	35,011	1,785,228	----
1960-----	14,876,148	120,908	351,032	1,580	2,026,787	147
1961-----	11,711,327	151,782	412,453	2,050	2,002,709	----
1962-----	3,222,580	200,304	515,816	1,075	1,782,955	694
1963-----	1,951,461	210,611	584,192	1,225	2,003,063	8,445
1964-----	1,815,363	263,885	446,655	----	1,100,147	5,775
1965-----	4,803,906	328,686	480,325	10,765	1,422,364	697
1966-----	12,376,390	330,843	489,088	4,165	1,190,197	3,575
1967-----	11,716,488	324,386	449,874	19,771	1,112,513	2,390
1968-----	16,015,581	351,657	312,483	10,465	2,274,770	7,239

TABLE 19
YEARLY LANDINGS IN POUNDS Crustaceans

TABLE 20
YEARLY LANDINGS IN POUNDS
Mollusks

Year	Abalone	Eastern oyster	Pacific oyster	Squid
1916	762,001	1,969,519	----	275,620
1917	637,780	816,276	----	439,438
1918	602,919	1,360,685	----	361,714
1919	759,203	1,515,425	----	3,698,242
1920	806,716	1,121,160	----	508,199
1921	1,481,170	767,124	----	432,559
1922	1,523,394	743,252	----	209,641
1923	1,555,134	688,103	----	1,180,446
1924	2,241,812	526,775	----	6,831,029
1925	2,352,861	569,003	----	1,891,220
1926	2,060,770	610,422	----	3,135,561
1927	2,816,530	554,921	----	6,014,113
1928	2,066,243	726,298	----	1,351,992
1929	3,438,858	437,245	----	4,660,572
1930	3,176,513	582,367	----	10,969,462
1931	3,262,166	456,255	----	1,738,621
1932	2,817,345	290,571	----	4,229,743
1933	2,756,188	340,003	68,762	824,543
1934	3,223,492	518,600	50,240	1,530,450
1935	3,870,921	346,682	299,375	815,944
1936	3,302,195	318,912	310,683	945,439
1937	2,863,175	364,649	680,081	501,662
1938	2,121,468	280,742	1,207,421	1,599,319
1939	1,804,440	130,684	1,659,355	1,162,056
1940	1,724,084	113,360	1,292,505	1,800,632
1941	1,002,330	102,040	1,717,781	1,431,136
1942	164,462	92,426	609,233	943,783
1943	680,274	79,878	741,105	9,164,361
1944	1,630,402	106,896	636,686	10,936,595
1945	2,429,312	65,581	309,738	15,225,664
1946	2,095,762	84,603	88,006	38,024,528
1947	2,669,285	133,779	46,035	14,542,649
1948	3,195,852	331,238	166,524	19,255,687
1949	3,599,998	46,535	235,134	6,859,129
1950	3,954,791	117,079	143,612	5,996,335
1951	4,084,190	178,716	133,700	12,382,869
1952	4,784,033	163,485	190,638	3,670,923
1953	4,720,350	129,733	161,520	8,917,114
1954	4,099,525	124,928	460,620	8,155,105
1955	4,185,875	140,918	1,635,067	14,271,968
1956	4,284,063	142,181	6,101,220	19,483,984
1957	5,421,914	119,834	11,067,646	12,449,121
1958	4,224,018	32,087	9,599,062	7,457,418
1959	4,561,827	8,733	13,759,192	19,653,013
1960	4,266,408	2,072	10,686,856	2,561,520
1961	4,553,766	105,726	10,047,550	10,285,791
1962	4,183,181	95,100	11,043,732	9,368,149
1963	4,333,879	*13,502	*1,255,515	11,560,854
1964	4,079,223	4,910	1,354,737	16,433,624
1965	4,576,084	7,982	1,054,810	18,619,893
1966	4,963,556	12,925	787,502	19,025,879
1967	4,421,581	12,710	729,431	19,601,922
1968	4,474,842	16,166	645,553	24,932,713

* Beginning in 1963 oyster landings have been reported as the weight of the packed meats rather than as weight in the shell.

TABLE 20
YEARLY LANDINGS IN POUNDS Mollusks

TABLE 21
YEARLY LANDINGS IN POUNDS
Animal food *

1961	3,777,133	1965	2,873,650
1962	1,879,811	1966	2,380,223
1963	1,033,961	1967	2,596,118
1964	1,738,441	1968	2,589,634

* Unmarketable whole fish destined to be ground and frozen for use by fur breeders.

TABLE 21
YEARLY LANDINGS IN POUNDS Animal food