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**STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF FISH AND GAME
FISH BULLETIN 159
California Marine Fish Landings For 1971**



by
M. S. Oliphant
and
Marine Fisheries Statistics Staff
1973

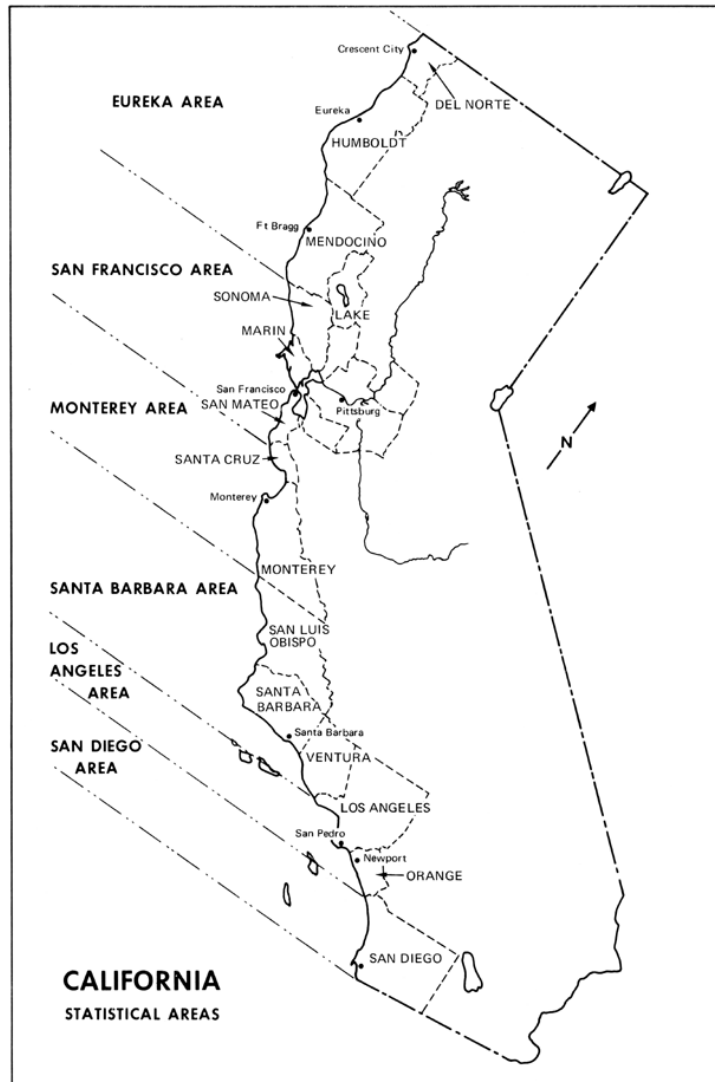


FIGURE 1. Geographical areas used to summarize California Fisheries statistics.

(2)

FIGURE 1. Geographical areas used to summarize California Fisheries statistics.

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1. FOREWORD

Landing bulletins provide records of amounts and values of various living marine resources taken by California's commercial fisheries, and summarize 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 local, national, and international significance, and are used by fisheries scientists, legislators, educators, members of the fishing industry, and others interested in California fisheries.

This report for 1971 is the 31st in the series of landing bulletins. The first, published in 1929, contained the records of the 1926 and 1927 commercial fish landings.

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 Marine Fisheries Statistics Unit personnel who process the many documents necessary for its publication. Special acknowledgment is given to Marine Resources Region wardens and the clerks in field offices whose efforts help provide completeness of records. The cooperation of the many wholesale fish dealers and canners is appreciated.

2. EXPLANATION OF TABLES

Tables in this bulletin summarize statistics of various fishery operations in California during 1971. 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 in-shore species used for bait; and catches of boats supplying live bait for sportfishing. In addition, the species composition of the 1971 ocean salmon landings is reported.

Statistics presented in this publication do not encompass all fishing activities in California since not all of these functions are reported. For example: sportfishing from private boats or from shore is not reported, nor is the quantity of fish imported for use in a fresh state compiled. Department biologists do sample some facets of the sport fishery, 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 fish products produced from the catch. The 1971 figures are contained in circular No. 46 "Statistical Report of Fresh, Canned, Cured and Manufactured Fishery Products for 1971" (Pinkas, 1972).

2.1. SOURCE OF DATA

Data concerning 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 species weight and 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.) also are required. In addition, type of gear used and the specific area where the fish were caught usually are reported.

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

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

Clerical personnel at field offices in Eureka, Menlo Park, Long Beach, 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 for completeness and coded to facilitate processing. The information

then is punched into cards and summarized with electric tabulating machines.

2.2. STATISTICAL AREAS

California 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.

2.3. SPECIES

The common and scientific names of species reported in 1971 are listed (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 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 1971 animal food landings are as follows:

<i>Species</i>	<i>Percent</i>	<i>Pounds</i>
Rockfish (15 species)	23.0	227,508
Sablefish	22.4	221,572
Dover sole	17.6	174,093
Pacific hake	11.3	111,775
English sole	6.3	62,317
Rex sole	5.8	57,372
Arrowtooth flounder	4.5	44,512
Twenty-one other species	9.1	90,014
	100.0	989,163

Salmon landings reported in the tables are for all species combined. However, biologists from the Department's Anadromous Fisheries Branch sample the commercial and sport salmon fisheries to determine species composition of catches and to obtain estimates of the unreported skiff catch. 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 landing bulletins.

2.4. CONDITION

Most fish and shellfish are landed in a round condition; however, some species, such as barracuda, 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 represent summarized 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. Packed weight is estimated to be 15.5% of the live weight for Pacific oysters and 10.9% for eastern oysters.

Landings reported in measurements other than weight are equated to pounds using conversion factors determined by periodic sampling.

Factors used in 1971 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

2.5. VALUE

Value is computed from prices paid to fishermen. Area value figures are ascertained by summing the value of all individual landings in that area. The value for an individual port within an area is calculated from 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.

2.6. INSHORE BAIT

The inshore bait fishery takes several kinds of fish and invertebrates from bays, rivers, and intertidal regions. Records of this fishery have been published as a separate summary in landing bulletins since 1963. Conversion factors used for inshore bait for 1971 were as follows:

Crab, sand	0.041 pound per dozen
	4.5 pounds per gallon
Crab, shore	0.013 pound per dozen
Mudsucker	0.465 pound per dozen
Mussel	80.000 pounds per sack
Sculpin, staghorn	0.465 pound per dozen
Shrimp, ghost	0.082 pound per dozen

2.7. REFERENCES

Pinkas, Leo. 1972. Statistical report of fresh, canned, cured and manufactured fishery products for 1971. Calif. Dept. Fish and Game, Circular, (46): 1-19.

Jensen, Paul T., and Phillip G. Swartzell. 1967. California salmon landings 1952 through 1965, Calif. Dept. Fish and Game, Fish Bull., (135): 43-57.

3. TABLES

TABLE 1
Common and Scientific Names of Fishes, Crustaceans, and Mollusks in the 1971 Catch

Common name	Scientific name	Common name	Scientific name
FISHES			
Anchovy.....	<i>Engraulis mordax</i>	Sargo.....	<i>Anisotremus davidsoni</i>
Barracuda, California..	<i>Sphyraena argentea</i>	Sculpin.....	<i>Scorpaena guttata</i>
Bass, rock		Sculpin, Pacific staghorn	<i>Lepostocottus armatus</i>
Kelp bass.....	<i>Paralabrax clathratus</i>	Sea bass, giant.....	<i>Stereolepis gigas</i>
Sand bass.....	<i>Paralabrax nebulifer</i>	Seabass, white.....	<i>Cynoscion nobilis</i>
Spotted sand bass.....	<i>Paralabrax maculatofasciatus</i>	Shark	
Blacksmith.....	<i>Chromis punctipinnis</i>	Basking.....	<i>Cetorhinus maximus</i>
Bonito, Pacific.....	<i>Sarda chiliensis</i>	Blue.....	<i>Prionace glauca</i>
Cabezon.....	<i>Scorpaenichthys marmoratus</i>	Bonito.....	<i>Isurus ozyrinchus</i>
Cabrilla, spotted.....	<i>Epinephelus analogus</i>	Leopard.....	<i>Triakis semifasciata</i>
Croaker		Pacific angel.....	<i>Squatina californica</i>
White.....	<i>Genyonemus lineatus</i>	Souplin.....	<i>Galeorhinus zyopterus</i>
Queenfish.....	<i>Seriophilus politus</i>	Spiny dogfish.....	<i>Squalus acanthias</i>
Dolphinfish.....	<i>Coryphaena hippurus</i>	Thresher.....	<i>Alopius vulpinus</i>
Eel		Miscellaneous.....	Various species
California moray.....	<i>Gymnothorax mordax</i>	Sheephead, California..	<i>Pimelotopon pulchrum</i>
Wolf.....	<i>Anarrichthys ocellatus</i>	Skate	
Flounder		Bat ray.....	<i>Myliobatis californica</i>
Arrowtooth.....	<i>Atheresthes stomias</i>	Big skate.....	<i>Raja binoculata</i>
Starry.....	<i>Platichthys stellatus</i>	California skate.....	<i>Raja inornata</i>
Miscellaneous.....	Various species	Longnose skate.....	<i>Raja rhina</i>
Flyingfish.....	<i>Cypselurus</i> spp.	Shovelnose guitarfish..	<i>Rhinobatos productus</i>
Freshwater fish		Miscellaneous.....	Various species
Carp.....	<i>Cyprinus carpio</i>	Smelt	
Hardhead.....	<i>Mylopharodon conocephalus</i>	Jacksmelt.....	<i>Atherinopsis californiensis</i>
Hiitch.....	<i>Lavinia exilicauda</i>	Night smelt.....	<i>Spirinchus starksi</i>
Sacramento blackfish		Surf smelt.....	<i>Hypomesus pretiosus</i>
Greenling, kelp.....	<i>Hexagrammos decagrammus</i>	Smelt, whitebait.....	<i>Allomerus elongatus</i>
Groupers.....	<i>Mycteroperca</i> spp.		<i>Spirinchus starksi</i>
Hake, Pacific.....	<i>Merluccius productus</i>		Young of several spp.
Halfmoon.....	<i>Medialuna californiensis</i>	Sole	
Halibut		Dover.....	<i>Microstomus pacificus</i>
California.....	<i>Paralichthys californicus</i>	English.....	<i>Parophrys vetulus</i>
Pacific.....	<i>Hippoglossus stenolepis</i>	Petrale.....	<i>Eopsetta jordani</i>
Herring, Pacific.....	<i>Clupea harengus</i>	Rex.....	<i>Glyptocephalus zachirus</i>
Killifish.....	<i>Fundulus parvipinnis</i>	Rock.....	<i>Lepidopsetta bilineata</i>
Lingcod.....	<i>Ophiodon elongatus</i>	Sand.....	<i>Psettichthys melanostictus</i>
Mackerel		Butter.....	<i>Isopsetta isolepis</i>
Jack.....	<i>Trachurus symmetricus</i>	Miscellaneous.....	Various species
Pacific.....	<i>Scomber japonicus</i>	Swordfish.....	<i>Xiphus gladius</i>
Mudsucker, longjaw ..	<i>Gillichthys mirabilis</i>	Tuna	
Opaleye.....	<i>Girella nigricans</i>	Albacore.....	<i>Thunnus alalunga</i>
Pacific cod.....	<i>Gadus macrocephalus</i>	Bigeye.....	<i>Thunnus obesus</i>
Perch.....	Members of family Embiotocidae	Bluefin.....	<i>Thunnus thynnus</i>
Pompano, Pacific.....	<i>Pepinus similimus</i>	Skipjack.....	<i>Euthynnus pelamis</i>
Rockfish.....	Various species of <i>Sebastes</i> and <i>Sebastes</i> spp.	Yellowfin.....	<i>Thunnus albacares</i>
Sablefish.....	<i>Anoplopoma fimbria</i>	Turbot	
Salema.....	<i>Xenistius californiensis</i>	Curlfin.....	<i>Pleuronichthys decurrens</i>
Salmon		Diamond.....	<i>Hypopsetta guttulata</i>
King.....	<i>Oncorhynchus tshawytscha</i>	Hornyhead.....	<i>Pleuronichthys verticalis</i>
Pink.....	<i>Oncorhynchus gorbuscha</i>	Miscellaneous.....	Various species
Silver.....	<i>Oncorhynchus kisutch</i>	Wahoo.....	<i>Acanthocybium solanderi</i>
Sanddab.....	<i>Citharichthys sordidus</i>	Whitefish, ocean.....	<i>Caulolatilus princeps</i>
Sardine.....	<i>Sardinops sajak caeruleus</i>	Yellowtail, California..	<i>Seriola dorsalis</i>
CRUSTACEANS			
Crab		Prawn	
Market.....	<i>Cancer magister</i>	Ridgeback.....	<i>Eusicyonia ingentis</i>
Rock.....	<i>Cancer productus</i>	Spot.....	<i>Pandalus platyceros</i>
Shore.....	<i>Cancer antennarius</i>	Shrimp	
Sand.....	<i>Cancer anthonyi</i>	Bay.....	<i>Crago franciscorum</i>
Shore.....	<i>Hemigrapsus oregonensis</i>	Ghost.....	<i>Callinassa californiensis</i>
Spider.....	<i>Pachygrapsus crassipes</i>	Ocean.....	<i>Pandalus jordani</i>
Crayfish.....	<i>Astacus trolchridgei</i>	Red.....	<i>Hippolytina californica</i>
Lobster, spiny.....	<i>Panulirus interruptus</i>		
ECHINODERMS			
Sea star.....	<i>Pisaster</i> spp.	Sea urchin.....	<i>Strongylocentrotus</i> spp.
MOLLUSKS			
Abalone		Clam—continued	
Black.....	<i>Haliotis cracherodii</i>	Quahog.....	<i>Mercenaria mercenaria</i>
Green.....	<i>Haliotis fulgens</i>	Washington.....	<i>Saxidomus nuttalli</i>
Pink.....	<i>Haliotis corrugata</i>	Mussel	
Red.....	<i>Haliotis rufescens</i>	Bay.....	<i>Mytilus edulis</i>
Threaded.....	<i>Haliotis assimilis</i>	Rock.....	<i>Mytilus californianus</i>
White.....	<i>Haliotis sorenseni</i>	Octopus.....	<i>Octopus</i> spp.
Clam		Oyster	
Freshwater.....	<i>Corbicula fluminea</i>	Eastern.....	<i>Crassostrea virginica</i>
Jackknife.....	<i>Tegulus californianus</i>	Giant Pacific.....	<i>Crassostrea gigas</i>
Purple.....	<i>Sanguinolaria nuttalli</i>	Squid.....	<i>Loligo opalescens</i>

TABLE 1
Common and Scientific Names of Fishes, Crustaceans, and Mollusks in the 1971 Catch

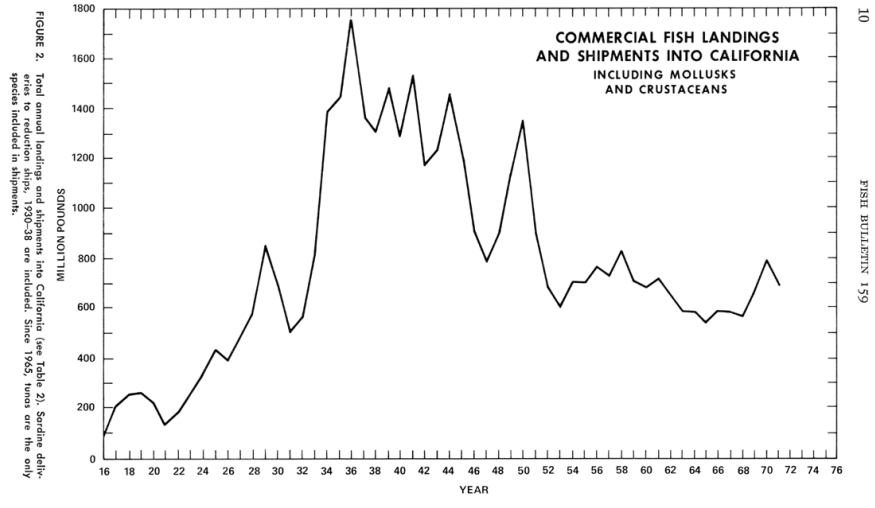


FIGURE 2. Total annual landings and shipments into California (see Table 2). Sardine deliveries to reduction ships, 1930-38 are included. Since 1965, tunas are the only species included in shipments.

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	1946.....	919,822
1917.....	209,877	1947.....	795,499
1918.....	261,134	1948.....	900,467
1919.....	266,270	1949.....	1,135,339
1920.....	222,004	1950.....	1,366,676
1921.....	135,348	1951.....	904,114
1922.....	182,343	1952.....	694,996
1923.....	253,875	1953.....	618,919
1924.....	340,446	1954.....	713,410
1925.....	437,502	1955.....	710,713
1926.....	394,064	1956.....	772,551
1927.....	487,166	1957.....	738,550
1928.....	583,527	1958.....	832,919
1929.....	856,854	1959.....	713,423
1930.....	702,189	1960.....	694,663
1931.....	502,390	1961.....	725,253
1932.....	556,139	1962.....	653,107
1933.....	821,805	1963.....	592,899
1934.....	1,390,798	1964.....	501,131
1935.....	1,448,017	*1965.....	544,480
1936.....	1,764,900	1966.....	501,533
1937.....	1,362,984	1967.....	589,028
1938.....	1,310,596	1968.....	567,214
1939.....	1,486,535	1969.....	672,793
1940.....	1,297,518	1970.....	798,415
1941.....	1,528,892	1971.....	687,995
1942.....	1,173,414		
1943.....	1,234,049		
1944.....	1,459,456		
1945.....	1,216,501		

* 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 *

1970				1971			
Species	Rank	Thousands of pounds	Thousands of dollars	Species	Rank	Thousands of pounds	Thousands of dollars
Yellowfin tuna.....	1	261,817	\$50,399	Yellowfin tuna.....	1	168,365	\$36,211
Anchovy.....	2	192,485	2,157	Skipjack tuna.....	2	154,942	30,570
Skipjack tuna.....	3	96,918	15,868	Anchovy.....	3	89,705	1,093
Albacore tuna.....	4	73,112	22,274	Albacore tuna.....	4	68,131	22,675
Jack Mackerel.....	5	47,746	1,881	Jack mackerel.....	5	59,883	2,416
Squid.....	6	24,591	667	Squid.....	6	31,517	760
Market crab.....	7	15,414	3,946	Pacific bonito.....	7	20,269	1,841
Dover sole.....	8	15,161	1,233	Bluefin tuna.....	8	19,828	4,207
Rockfish.....	9	10,687	824	Dover sole.....	9	14,249	1,178
Bluefin tuna.....	10	9,531	1,803	Rockfish.....	10	11,169	942
Pacific bonito.....	11	9,192	651	Market crab.....	11	9,662	2,821
Salmon.....	12	6,612	5,101	Salmon.....	12	8,117	4,757
Sablefish.....	13	4,428	319	Sablefish.....	13	4,424	290
Ocean shrimp.....	14	4,048	567	Petrale sole.....	14	3,704	611
Petrale sole.....	15	3,416	531	Ocean shrimp.....	15	3,081	400
English sole.....	16	3,282	324	English sole.....	16	2,964	316
Abalone.....	17	2,901	948	Abalone.....	17	2,945	953
Rex sole.....	18	1,741	190	Lingcod.....	18	2,098	201
Lingcod.....	19	1,531	139	Bigeye tuna.....	19	1,871	394
Swordfish.....	20	945	534	Rex sole.....	20	1,468	169
All others.....	--	12,857	3,023	All others.....	--	9,603	2,658
Totals.....	--	798,415	\$113,379	Totals.....	--	687,995	\$115,463

* 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*	
	1970-71	1971-72
Eureka.....	1,735	1,846
Sacramento.....	409	455
San Francisco.....	1,546	1,711
Monterey.....	712	686
Santa Barbara.....	751	871
Los Angeles.....	1,744	2,028
San Diego.....	1,386	1,652
Alaska, Washington and Oregon fishermen licensed in California.....	627	848
Mexican nationals licensed in California.....	19	26
Other.....	40	58
Totals.....	8,969	10,181

* April 1 to March 31.

TABLE 4
Number of Licensed Commercial Fishermen

TABLE 5
Number of Registered Fishing Boats by Length

Length group in feet	License year*		Length group in feet	License year*	
	1970-71	1971-72		1970-71	1971-72
0-10.....	5	5	101-105.....	7	8
11-15.....	125	128	106-110.....	6	7
16-20.....	712	807	111-115.....	8	5
21-25.....	430	553	116-120.....	16	11
26-30.....	577	645	121-125.....	6	6
31-35.....	515	600	126-130.....	12	9
36-40.....	713	787	131-135.....	11	8
41-45.....	384	446	136-140.....	11	11
46-50.....	300	349	141-145.....	1	1
51-55.....	126	147	146-150.....	0	0
56-60.....	104	124	151-155.....	11	17
61-65.....	109	120	156-160.....	4	4
66-70.....	29	34	161-165.....	3	4
71-75.....	31	37	166-170.....	3	5
76-80.....	25	28	171-175.....	1	4
81-85.....	22	21	176-180.....	0	0
86-90.....	8	8	181 and over.....	6	9
91-95.....	8	7			
96-100.....	8	7	Total.....	4,337†	4,962‡

* April 1 to March 31.

† The owners of 457 boats were issued fishing party licenses in 1970-71.

‡ The owners of 482 boats were issued fishing licenses in 1971-72.

TABLE 5
Number of Registered Fishing Boats by Length

TABLE 6
Origin of Shipments Received for Processing in California During 1971 *

Shipped from: Species	Pounds shipped to each area		Total pounds
	Los Angeles	San Diego	
Continental United States:			
Tuna, skipjack.....	41,977	---	41,977
Tuna, skipjack, black.....	5,000	---	5,000
Oregon, Washington, Canada and Alaska:			
Tuna, albacore.....	3,011,440	---	3,011,440
Tuna, skipjack.....	---	16,377	16,377
Tuna, yellowfin.....	3,620	---	3,620
Mexico and Central America:			
Tuna, bluefin.....	138,172	115,088	253,260
Tuna, skipjack.....	2,868,686	589,587	3,458,273
Tuna, skipjack, black.....	23,275	---	23,275
Tuna, yellowfin.....	3,165,805	1,355,498	4,521,303
South America:			
Tuna, albacore.....	2,816,049	187,815	3,003,864
Tuna, bigeye.....	41,839	---	41,839
Tuna, skipjack.....	6,670,420	---	6,670,420
Tuna, yellowfin.....	4,424,334	---	4,424,334
Japan:			
Tuna, albacore.....	16,993,140	2,008,827	19,001,967
Tuna, bigeye.....	23,180	---	23,180
Tuna, skipjack.....	31,548,690	4,558,590	36,107,280
Tuna, yellowfin.....	4,183,878	386,311	4,570,189
Australia and New Zealand:			
Tuna, albacore.....	41,002	---	41,002
Tuna, bluefin.....	2,323,805	---	2,323,805
Tuna, skipjack.....	2,623	---	2,623
China (Formosa):			
Tuna, albacore.....	143,060	---	143,060
Tuna, skipjack.....	141,208	---	141,208
Tuna, skipjack, black.....	27,525	---	27,525
Tuna, yellowfin.....	849,191	159,533	1,008,724
Malaya:			
Tuna, albacore.....	994,985	---	994,985
Tuna, skipjack.....	64,060	---	64,060
Tuna, yellowfin.....	599,480	---	599,480
South Pacific Islands:			
Tuna, albacore.....	5,817,537	---	5,817,537
Tuna, skipjack.....	2,904,251	---	2,904,251
Tuna, yellowfin.....	699,701	---	699,701
Africa:			
Tuna, skipjack.....	4,145,429	---	4,145,429
Tuna, yellowfin.....	284,698	---	284,698
Philippines:			
Tuna, skipjack.....	12,612	---	12,612
Tuna, yellowfin.....	1,311,639	---	1,311,639
Total pounds.....	96,322,311	9,377,626	105,699,937

* Beginning in 1965 only tuna shipments are recorded.

TABLE 6
Origin of Shipments Received for Processing in California During 1971

TABLE 7
Origin of Commercial Fish Landings and Volume of Shipments Into California During 1971

Species	Landings of catches from					Tuna shipments*	Grand total
	California waters	Waters north of State	Waters south of State	African waters	Total pounds		
Fish:							
Anchovy.....	89,704,884	----	174	----	89,705,058	----	89,705,058
Barramundi, California.....	17,294	----	60	----	17,354	----	17,354
Blackfish, Sacramento.....	320,258	----	----	----	320,258	----	320,258
Blacksmith.....	42,340	----	----	----	42,340	----	42,340
Bonito, Pacific.....	10,476,208	----	9,792,716	----	20,268,984	----	20,268,984
Cabezon.....	4,318	----	----	----	4,318	----	4,318
Calif.....	276,696	----	----	----	276,696	----	276,696
Croaker, white.....	351,425	----	30	----	351,425	----	351,425
Dolphinfish.....	293,225	655	839	----	293,909	----	293,909
Flounder.....	261	----	----	----	261	----	261
Flounder, arrowtooth.....	160,266	----	----	----	160,266	----	160,266
Flyingfish.....	34,685	----	----	----	34,685	----	34,685
Hake, Pacific.....	23,122	----	----	----	23,122	----	23,122
Halibut, California.....	336,871	----	455	----	337,326	----	337,326
Halibut, Pacific.....	25	----	----	----	25	----	25
Herring, Pacific.....	240,939	----	----	----	240,939	----	240,939
Hitch.....	1,200	----	126	----	1,326	----	1,326
Langost.....	2,002,919	61,650	696	----	2,065,265	----	2,065,265
Mackerel, jack.....	59,882,935	----	49	----	59,882,984	----	59,882,984
Mackerel, Pacific.....	155,847	----	157	----	156,004	----	156,004
Mahimahi, longjaw.....	1,948	----	----	----	1,948	----	1,948
Opaleye.....	5,281	----	----	----	5,281	----	5,281
Perch.....	184,938	490	192	----	185,620	----	185,620
Pompano, Pacific.....	181,931	----	13	----	181,944	----	181,944
Rockfish.....	10,949,048	158,713	62,985	----	11,168,746	----	11,168,746
Sablefish.....	4,424,463	88,749	----	----	4,513,212	----	4,513,212
Salmon.....	8,116,878	1,446	----	----	8,118,324	----	8,118,324
Sandlab.....	785,401	882	----	----	786,283	----	786,283
Sardine.....	297,856	----	----	----	297,856	----	297,856
Sargo.....	53	----	81	----	134	----	134
Sculpin.....	42,050	----	89,085	----	131,135	----	131,135
Sea bass, giant.....	10,261	----	106,697	----	116,958	----	116,958
Sea bass, white.....	351,912	----	271,372	----	623,284	----	623,284
Shark.....	392,196	----	29,139	----	421,335	----	421,335

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FISH BUREAU REPORT

TABLE 7
Origin of Commercial Fish Landings and Volume of Shipments Into California During 1971

Sheepshead, California.....	8,271	----	783	----	8,854	----	8,854
Skate.....	61,233	----	----	----	61,233	----	61,233
Smelt.....	348,401	----	----	----	348,401	----	348,401
Smelt, Whitefish.....	146,732	----	----	----	146,732	----	146,732
Sole, Dover.....	13,466,250	782,460	----	----	14,248,710	----	14,248,710
Sole, English.....	2,949,129	14,876	----	----	2,964,005	----	2,964,005
Sole, petrale.....	3,677,873	39,611	----	----	3,717,484	----	3,717,484
Sole, rex.....	1,432,186	36,739	----	----	1,468,925	----	1,468,925
Sole, sand.....	294,186	1,221	----	----	295,407	----	295,407
Sole, miscellaneous.....	15,380	----	106	----	15,486	----	15,486
Swordfish.....	152,673	----	1,545	----	154,218	----	154,218
Tuna, albacore.....	28,622,230	345,575	7,148,929	----	36,116,734	32,013,835	68,130,569
Tuna, skipjack.....	4,580	----	1,502,038	----	1,506,618	45,019	1,551,637
Tuna, bluefin.....	471,247	----	16,779,719	----	17,250,966	2,477,065	19,828,031
Tuna, skipjack, black.....	----	----	97,834,736	3,538,172	101,372,908	33,586,510	134,959,418
Tuna, yellowfin.....	145,001	----	150,105,646	692,464	150,941,111	17,422,688	168,363,799
Turbot.....	24,882	----	220	----	24,882	----	24,882
Walleye.....	2,199	----	1,507	----	3,706	----	3,706
Whitefish, ocean.....	31,604	----	389,516	----	390,520	----	390,520
Yellowtail, California.....	9,566	----	9,866	----	9,866	----	9,866
Free.....	1,169	----	----	----	1,169	----	1,169
Miscellaneous.....	866,498	182,787	----	----	989,165	----	989,165
Miscellaneous (animal food).....	----	----	----	----	----	----	----
Crustacean:							
Crab, market.....	9,662,265	----	----	----	9,662,265	----	9,662,265
Crab, rock.....	541,413	----	1,219	----	542,632	----	542,632
Crayfish.....	137,666	----	----	----	137,666	----	137,666
Loftster, spiny.....	224,486	----	----	----	224,486	----	224,486
Prawn, spiny.....	11,773	----	----	----	11,773	----	11,773
Shrimp, bay.....	1,899	----	----	----	1,899	----	1,899
Shrimp, ocean.....	2,683,203	397,378	----	----	3,080,583	----	3,080,583
Miscellaneous crustacean.....	30	----	----	----	30	----	30
Echinoderm:							
Sea star.....	450	----	----	----	450	----	450
Sea urchin.....	200	----	----	----	200	----	200
Mollusk:							
Alcane.....	2,945,318	----	----	----	2,945,318	----	2,945,318
Clam, unclassified.....	165	----	----	----	165	----	165
Mussel.....	988	----	----	----	988	----	988
Octopus.....	1,603	201	----	----	1,804	----	1,804
Oyster, eastern.....	15,832	----	----	----	15,832	----	15,832
Oyster, giant Pacific.....	664,974	----	----	----	664,974	----	664,974
Squid.....	31,517,203	----	115	----	31,517,318	----	31,517,318
Total pounds.....	291,567,829	2,104,211	284,383,199	4,230,638	582,295,875	105,689,937	687,985,812

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

TABLE 7—Cont'd.

MARINE FISH CATCH FOR 1971

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TABLE 8
Monthly Landings and Shipments Into California During 1971

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS:													
Fish:													
Anchovy.....	34,279,430	846,854	344,133	913,979	8,617,292	356,387	301,233	781,206	2,084,040	30,601,284	4,441,212	6,337,098	89,705,068
Barnacuda, California.....	4	22	329	945	1,749	9,175	1,699	376	383	41	2,028	.....	17,264
Blackfish, Sacramento.....	62,935	51,456	90,233	17,475	23,170	9,450	.....	.....	.....	2,992	34,190	29,267	320,238
Blacksmith.....	5,540	.....	21,000	.....	.....	10,000	.....	.....	.....	.....	.....	.....	42,540
Bonito, Pacific.....	320,802	218,662	182,921	24,180	705,968	836,680	1,571,283	5,603,528	6,324,314	2,300,740	1,226,753	953,453	20,268,984
Cabezon.....	560	702	561	219	465	33	51	79	87	667	771	233	4,518
Carp.....	95,929	38,401	34,349	10,217	16,019	4,801	.....	.....	.....	4,027	32,550	40,843	275,636
Croaker, white.....	39,652	12,062	85,428	15,712	7,940	24,247	17,479	23,652	15,865	7,872	17,931	63,065	334,425
Dolphinfish.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	730	109	830
Flounder.....	16,376	31,411	23,788	10,069	13,128	31,427	8,203	9,233	30,304	50,706	43,913	15,939	293,860
Flounder, arrowtooth.....	950	786	.....	.....	.....	.....	.....	.....	215	500	210	.....	2,661
Flyingfish.....	.....	.....	.....	.....	20,105	60,351	41,570	38,240	.....	.....	.....	.....	160,266
Hake, Pacific.....	.....	.....	.....	.....	425	18,495	12,960	3,715	.....	.....	.....	.....	34,685
Hallibut.....	960	1,088	656	1,474	3,892	5,741	3,437	2,133	1,301	439	796	305	23,122
Hallibut, California.....	28,964	17,966	22,120	10,096	33,831	52,336	31,099	62,905	38,880	14,842	10,099	12,894	336,571
Hallibut, Pacific.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	25
Herring, Pacific.....	6,400	8,205	3,970	.....	49,173	40,575	23,650	106,000	.....	.....	.....	.....	240,026
Hitch.....	30,792	47,991	70,178	130,444	137,050	341,540	337,266	387,516	230,528	189,075	190,463	75,095	1,200
Lingcod.....	2,878,316	2,425,878	8,904,946	5,150,701	1,425,715	5,031,106	2,329,533	6,880,970	2,228,823	1,746,676	16,870,052	5,201,633	56,882,985
Mackerel, jack.....	1,126	85	4,342	332	1,532	1,876	12,844	125	20,444	4,724	49,628	58,749	155,847
Mackerel, Pacific.....	49	187	56	198	224	40	223	362	46	324	127	87	1,948
Mandameter, longjaw.....	.....	542	280	397	827	734	282	1,640	74	.....	.....	.....	5,281
Perch.....	11,717	13,966	27,139	50,678	2,475	7,993	14,833	19,846	9,430	12,682	8,953	6,798	184,038
Pompano, Pacific.....	27,369	9,734	63,312	83,093	8,976	2,956	978	2,283	9,983	1,106	4,818	2,379	181,931
Rockfish.....	634,021	792,111	1,117,270	1,092,748	829,236	1,040,496	824,333	827,788	980,283	1,296,200	1,149,278	695,882	11,168,746
Sablefish.....	451,417	293,104	505,915	276,700	224,782	419,080	310,154	356,832	361,093	340,363	329,216	550,177	4,424,463
Salmon.....	.....	.....	.....	8,419	993,371	2,513,516	3,229,979	1,250,671	217,494	296	.....	.....	8,116,578
Sanddab.....	36,178	87,046	75,155	199,176	63,064	62,901	51,479	52,863	56,804	98,636	51,430	11,069	785,401
Sardine.....	6,078	9,142	25,063	39,859	21,623	19,700	53,135	51,725	36,349	16,577	16,753	1,250	297,889
Sargo.....	.....	.....	11	81	.....	180	162	.....	.....	.....	.....	.....	434
Sculpin.....	5,498	4,198	1,656	699	2,320	30,412	38,302	29,132	8,794	4,324	2,816	3,023	131,144
Sea bass, giant.....	6,388	4,942	10,485	12,547	1,333	5,798	1,708	1,014	18,202	22,120	23,673	9,028	117,258
Seachan, white.....	31,123	43,322	90,029	69,199	15,944	50,259	29,463	212,015	55,936	109,698	45,396	67,656	322,884
Shark.....	33,561	20,900	11,991	12,707	43,156	50,198	60,679	29,463	45,155	44,568	40,975	28,552	421,335
Sheepshead, California.....	161	1,044	860	103	665	1,529	1,765	650	97	328	1,197	455	8,854
Skate.....	785	2,070	5,491	6,329	14,569	9,144	5,428	6,462	7,915	2,453	700	2,790	61,233
Smelt.....	5,288	8,078	7,928	14,497	23,221	60,050	50,170	53,924	41,913	37,040	30,892	900	348,401
Smelt, whitebait.....	6,178	6,867	10,920	12,793	23,281	45,445	26,228	15,049	.....	.....	.....	.....	146,732
Sole, Dover.....	686,034	811,137	1,794,458	1,666,747	832,013	1,984,318	1,488,966	1,931,738	1,760,412	1,120,045	980,651	491,683	14,484,719

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FISH BULLETIN 150

TABLE 8
Monthly Landings and Shipments Into California During 1971

Sole, English.....	297,560	350,811	286,231	265,749	141,892	242,563	175,030	194,994	278,152	307,937	217,298	205,378	2,964,615
Sole, petrale.....	412,158	304,223	239,484	272,620	381,889	347,742	218,601	315,927	222,577	244,612	280,296	508,622	3,794,884
Sole, rex.....	150,972	209,759	165,433	115,901	49,433	122,181	117,446	104,683	130,666	123,236	96,618	82,347	1,467,875
Sole, sand.....	29,436	18,652	18,042	18,051	17,178	61,793	4,429	5,010	8,190	39,839	44,984	27,203	292,417
Sole, miscellaneous.....	792	1,120	294	497	736	344	1,667	2,929	1,822	1,838	1,669	2,688	18,498
Swordfish.....	-----	-----	-----	-----	-----	571	1,943	33,947	53,597	56,200	7,640	380	154,518
Tuna, albacore.....	-----	-----	-----	-----	-----	174	9,670	91	4,793,056	12,493,513	14,829,345	664,538	16,752
Tuna, bigeye.....	-----	42,886	95,362	48,533	-----	-----	-----	-----	-----	-----	-----	-----	1,847,272
Tuna, bluefin.....	-----	49,365	-----	-----	801,831	3,812,626	3,141,758	3,732,471	2,417,482	2,462,776	445,010	386,717	17,259,966
Tuna, skipjack.....	530,118	6,209,629	13,611,675	15,299,750	12,987,011	22,822,720	15,375,389	3,294,356	1,162,174	1,146,399	3,052,003	5,916,432	101,377,658
Tuna, yellowfin.....	4,313,192	24,881,695	19,515,797	21,971,764	11,987,777	14,403,433	9,808,222	4,040,694	7,121,074	9,612,810	11,659,103	11,626,249	159,941,111
Turbot.....	460	2,848	5,132	4,033	7,590	2,239	393	90	275	771	317	965	24,382
Walrus.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	230
Whitefish, ocean.....	456	115	360	314	1,148	419	102	405	131	-----	230	-----	230
Yellowtail, California.....	18,643	27,082	18,265	6,855	8,658	10,044	5,170	135,677	101,200	6,952	25,067	23,547	390,820
Frog.....	-----	-----	32	18	-----	12	-----	302	2,860	4,582	1,645	415	9,866
Miscellaneous.....	-----	-----	-----	50	18	539	64	44	250	52	88	255	13,169
Miscellaneous (animal food).....	64,849	65,002	34,601	58,902	110,609	142,448	144,808	102,704	95,211	71,484	55,223	43,222	989,163
Crustacean:													
Crab, market.....	112,457	2,864,384	3,145,624	395,692	557,739	418,803	67,832	22,221	24	-----	123,070	1,064,710	9,662,265
Crab, rock.....	91,239	35,277	39,559	47,204	41,606	44,538	47,811	30,656	41,639	29,835	37,101	56,345	542,732
Crayfish.....	-----	-----	57	-----	16,587	28,257	48,725	41,738	1,824	539	490	79	137,566
Lobster, spiny.....	27,063	25,729	10,964	-----	-----	-----	-----	-----	-----	64,952	55,479	41,459	224,586
Prawn, spot.....	2,236	1,793	672	-----	-----	26	-----	-----	-----	1,354	3,339	2,353	11,773
Shrimp, bay.....	1,358	341	180	-----	-----	-----	-----	20	-----	-----	-----	-----	1,899
Shrimp, ocean.....	-----	-----	-----	-----	439,212	942,555	1,009,628	482,808	-----	296,480	-----	-----	3,680,883
Miscellaneous crustacean.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	30	-----	-----	30
Echinoderm:													
Sea star.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	450	-----	-----	450
Sea urchin.....	-----	-----	-----	-----	-----	200	-----	-----	-----	-----	-----	-----	200
Mollusk:													
Albacore.....	627,735	879	247,023	179,370	328,037	314,654	339,478	742	192,879	233,092	238,874	242,885	2,945,318
Clam, unclassified.....	5	12	20	10	-----	-----	-----	20	10	-----	10	68	163
Mussel.....	188	272	150	50	22,605	-----	-----	-----	-----	-----	279	50	888
Octopus.....	32	178	45	126	169	110	197	304	169	134	143	197	1,804
Oyster, eastern.....	1,820	1,028	1,260	1,143	1,176	797	608	1,286	1,221	614	1,166	1,133	13,852
Oyster, giant Pacific.....	99,316	65,779	113,424	93,456	85,014	59,476	44,507	43,755	46,721	85,081	103,226	94,829	964,974
Squid.....	5,844,760	2,624,333	677,134	2,873,956	3,669,779	9,219,259	3,873,825	356,752	2,617,218	499,969	459,835	6,527	31,817,668
Total pounds.....	51,493,038	43,644,924	51,453,999	50,939,459	44,525,027	64,987,078	49,912,212	44,508,487	43,808,261	56,454,908	42,791,300	37,359,991	582,255,875
SHIPMENTS:													
Fish:													
Tuna, albacore.....	1,991,891	1,632,747	2,036,704	1,791,295	919,321	477,433	1,492,900	3,111,162	255,424	2,578,477	6,881,993	8,844,908	32,013,855
Tuna, bigeye.....	41,830	-----	-----	-----	22,605	-----	483	-----	123,588	11,684	244,605	400,630	45,019
Tuna, bluefin.....	819,483	209,263	655,614	-----	-----	273,683	147,545	-----	-----	-----	-----	-----	2,577,965
Tuna, skipjack.....	3,696,819	3,985,962	8,676,117	10,149,395	3,950,573	1,599,692	586,738	1,990,545	1,157,159	1,696,129	8,345,052	9,621,419	63,964,519
Tuna, skipjack, black.....	869,668	779,767	2,745,566	446,011	684,791	50,800	5,000	670,656	816,741	1,770,446	3,485,524	4,291,537	55,800
Tuna, yellowfin.....	-----	-----	-----	-----	-----	858,448	203,020	-----	-----	-----	-----	-----	17,423,688
Total pounds.....	7,888,630	5,998,619	13,323,971	12,346,674	5,456,280	3,381,256	2,437,688	5,399,463	2,254,912	6,316,739	18,927,014	22,588,494	105,699,957
Grand total.....	58,591,668	49,343,543	64,977,970	63,223,128	50,381,407	68,568,434	52,369,900	49,908,150	46,163,173	62,771,644	61,718,314	59,918,485	687,995,812

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

TABLE 8—Cont'd.

MAINE FISH CATCH FOR 1971

TABLE 9
Monthly Landings of Commercial Fishing Boats in the Eureka Area During 1971

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM:													
California waters:													
Fish:													
Bonito, Pacific.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	390
Calappa.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	51
Flounder.....	18	3,988	186	6,731	10,484	19,632	4,542	2,543	15,882	26,847	32,446	1,490	124,637
Flounder, arrowtooth.....	680	786	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,446
Halibut, California.....	.....	.....	.....	.....	.....	.....	25	.....	.....	.....	.....	.....	71
Halibut, Pacific.....	.....	.....	.....	.....	.....	.....	25	.....	.....	.....	.....	.....	25
Linecod.....	19,674	23,850	23,263	50,339	36,932	189,934	212,678	265,976	159,736	106,402	28,911	.....	1,109,891
Percb.....	2,886	4,907	6,170	19,945	.....	.....	8,922	15,183	5,785	6,332	1,907	.....	72,666
Rockfish.....	204,169	348,183	337,741	337,297	169,344	347,475	465,058	484,333	462,843	663,612	607,692	.....	4,623,252
Sablefish.....	177,609	137,378	279,670	188,572	75,510	222,989	215,531	253,595	194,915	180,597	247,149	.....	2,694,219
Salmon.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Salmon.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sauddab.....	16,088	66,774	16,030	68,983	34,735	83,413	29,455	15,372	26,548	74,547	25,667	.....	5,631,764
Shark.....	34	207	.....	464	7,220	3,670	173	.....	.....	.....	.....	.....	862
Skate.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11,827
Smelt.....	.....	.....	24	2,701	11,209	40,152	45,279	45,631	19,726	3,144	.....	.....	107,866
Snell, whitebait.....	6,178	6,751	9,283	12,298	22,175	41,811	25,772	15,649	.....	.....	.....	.....	140,108
Sole, Dover.....	335,216	629,666	1,667,223	1,208,688	268,776	1,100,616	1,268,572	1,628,846	1,288,768	837,108	849,387	.....	11,726,413
Sole, English.....	38,674	140,530	101,864	180,172	69,978	119,713	68,464	65,451	112,353	170,942	71,718	.....	1,177,580
Sole, petrale.....	261,464	212,696	80,020	105,433	86,862	174,809	104,343	76,677	77,237	124,682	68,664	.....	2,943,999
Sole, rex.....	88,049	141,656	86,278	97,271	35,373	108,159	92,653	68,394	90,276	87,805	71,592	.....	1,013,569
Sole, sand.....	546	647	977	9,376	15,041	35,238	3,764	1,405	3,847	18,777	19,174	.....	843
Tuna, albacore.....	.....	.....	.....	.....	9,570	.....	469,944	2,306,886	280,420	43,978	27,094	.....	3,079,824
Turbot.....	.....	300	.....	583	.....	180	.....	.....	.....	.....	.....	.....	1,540
Miscellaneous.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	281
Miscellaneous (animal food).....	10,794	16,627	4,961	7,154	17,669	22,550	44,614	52,365	11,395	8,935	10,462	.....	223,169
Crustacean:													
Crab, market.....	25,020	2,813,210	3,108,968	391,544	554,734	405,975	67,532	22,221	.....	.....	.....	1,882,765	9,372,669
Crab, rock.....	40	320	360	660	130	.....	.....	.....	.....	.....	.....	.....	1,540
Shrimp, ocean.....	.....	.....	.....	.....	.....	436,402	831,324	885,682	345,676	181,731	.....	.....	2,680,495

NO. 1 MAR 1972

TABLE 9
Monthly Landings of Commercial Fishing Boats in the Eureka Area During 1971

Mollusk:												
Clam, unclassified.....	----	178	----	81	44	70	111	80	41	27	22	28
Octopus.....	----	---	---	---	---	---	---	---	---	---	---	828
Oyster, giant Pacific.....	65,005	66,653	84,525	73,326	63,941	35,425	24,111	24,351	28,338	65,962	80,000	80,848
Squid.....	----	----	----	----	----	----	197	----	----	----	----	197
Total pounds.....	1,273,884	4,613,775	5,808,949	2,851,679	1,979,229	5,488,904	6,293,355	6,922,699	3,174,239	2,620,800	2,144,109	3,291,490
Waters north of State:												
Fish:												
Flounder.....	12	494	----	252	----	14,311	10,565	15,497	15,021	8,086	446	955
Lincoln.....	----	----	----	297	----	----	490	----	----	----	----	64,959
Perch.....	----	8,052	----	2,493	----	11,305	21,339	47,034	38,317	29,652	6,756	490
Rockfish.....	862	8,082	----	2,493	----	11,305	21,339	47,034	38,317	29,652	6,756	154,713
Sablefish.....	2,495	2,695	----	5,823	----	7,145	12,322	21,591	12,502	16,827	7,349	88,749
Salmon.....	----	----	----	----	----	334	1,049	63	----	----	----	1,446
Sardines.....	----	404	----	116	----	342	----	----	----	----	----	862
Sole, Dover.....	3,500	4,406	26,776	116	88,427	109,857	167,495	179,086	150,326	43,706	----	782,469
Sole, English.....	----	2,990	----	604	----	1,851	955	1,274	4,940	3,288	904	14,876
Sole, petrale.....	4,143	7,422	----	317	5,885	939	1,966	5,217	6,776	858	----	39,311
Sea, rex.....	554	3,860	----	888	4,366	3,573	7,024	8,030	6,531	1,111	----	33,739
Sole, smd.....	----	----	----	4,119	10,833	45,619	25,911	58,099	32,154	3,561	----	1,221
Miscellaneous (animal food).....	----	----	----	----	----	----	----	----	----	----	----	479
Crustacean:	----	----	----	----	----	111,231	124,466	138,832	24,749	----	----	397,278
Shrimp, ocean.....	----	----	----	----	----	----	----	----	----	----	----	----
Mollusk:												
Octopus.....	----	----	----	----	----	----	74	20	107	----	----	201
Total pounds.....	11,566	29,703	----	41,326	----	141,255	318,275	414,735	457,349	279,187	65,240	1,758,636
Grand total.....	1,285,450	4,643,478	5,808,949	2,892,005	1,979,229	5,630,159	6,611,630	7,337,434	3,631,588	2,899,987	2,209,349	3,291,490

MARINE FISH CATCH FOR 1971

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TABLE 9—Cont'd.

TABLE 10
Monthly Landings of Commercial Fishing Boats in the San Francisco Area During 1971 *

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM:													
California waters:													
Fish:													
Anchovy.....			8,000	19,833	8,610	22,139	27,500	41,400	64,694	62,410	50,900	13,200	318,688
Blackfish, Sacramento.....	62,555	51,456	90,353	17,475	23,170	9,450	.....	.....	.....	2,952	34,190	29,267	320,288
Bonito, Pacific.....	.....	.....	.....	.....	.....	.....	.....	.....	542	4,302	.....	.....	5,172
Cabazon.....	.....	127	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	128
Clay.....	95,475	37,480	32,990	8,249	16,636	3,550	.....	.....	.....	4,027	32,850	40,843	271,870
Croaker, white.....	180	115	320	205	.....	472	224	482	2,191	348	180	.....	4,754
Flounder.....	15,975	22,771	15,270	3,965	265	9,092	3,048	3,443	3,045	19,274	9,720	14,440	120,308
Flounder, greenfoot.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	215	.....	.....	215
Hake, Pacific.....	7,355	4,949	.....	.....	.....	.....	.....	12,090	3,715	.....	.....	.....	18,775
Haddock, California.....	7,355	4,949	5,137	275	400	91	632	4,749	16,693	7,794	5,929	9,632	63,664
Herring, Pacific.....	6,400	8,266	3,970	.....	.....	.....	.....	.....	.....	.....	.....	.....	18,636
Hitch.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,500	.....	.....	1,500
Langcod.....	9,290	7,270	19,401	27,384	38,281	80,259	60,315	85,496	33,454	19,995	25,300	23,436	429,881
Mackerel, jack.....	49	187	59	168	.....	224	90	12	780	259	130	.....	1,181
Mudsnaker, longjaw.....	.....	.....	.....	.....	.....	.....	225	392	46	324	127	.....	87
Perch.....	4,837	4,442	9,673	7,645	10	.....	823	2,167	2,588	2,574	5,302	4,958	45,081
Rockfish.....	88,385	80,655	82,383	94,121	153,649	121,370	94,696	169,064	69,345	72,357	227,470	57,294	1,345,989
Sablefish.....	34,791	34,880	39,481	40,980	81,057	80,126	25,706	54,877	111,196	58,216	62,137	48,332	641,779
Salmon.....	.....	.....	.....	983	254,168	371,097	818,782	516,283	148,411	.....	.....	.....	2,112,796
Sandfish.....	18,531	13,647	35,425	31,290	16,770	14,649	19,950	30,115	19,980	21,150	25,375	7,560	250,604
Shark.....	3,176	1,324	3,447	800	3,376	760	634	284	4,499	8,694	10,420	8,880	46,303
Skate.....	680	.....	550	100	.....	.....	.....	.....	900	200	700	.....	4,545
Snail.....	85	7,469	2,556	3,132	6,114	13,683	12,776	1,128	.....	1,632	179	.....	40,775
Snail, whitebait.....	.....	118	937	393	1,106	3,634	456	.....	.....	.....	.....	.....	6,644
Sole, Dover.....	107,569	179,350	121,985	172,988	170,187	78,779	71,896	173,119	285,513	104,996	87,658	71,367	1,624,951
Sole, English.....	152,402	83,659	65,749	39,197	27,180	69,546	61,096	199,023	104,060	79,627	104,029	152,272	1,048,810
Sole, petrale.....	112,908	40,563	98,460	120,453	264,707	112,218	92,591	214,829	83,920	71,692	113,694	53,298	1,379,547
Sole, rex.....	37,249	29,798	29,455	13,002	8,623	7,989	21,038	27,245	25,620	19,100	20,210	20,430	260,550
Sole, smelt.....	15,130	15,070	10,100	1,400	70	.....	630	3,283	3,663	20,283	24,110	24,633	144,425
Sole, miscellaneous.....	.....	.....	.....	.....	.....	.....	.....	13	.....	.....	.....	.....	13

FISH UTILIZATION 159

TABLE 10
Monthly Landings of Commercial Fishing Boats in the San Francisco Area During 1971

Tuna, albacore.....	----	----	----	----	----	125,228	2,248,115	4,270,386	332,645	19,456	----	6,955,840	
Turbot.....	65	565	780	----	----	270	305	----	875	745	350	995	
Trout.....	----	32	18	----	12	----	902	2,308	4,002	1,220	----	8,446	
Miscellaneous.....	----	----	----	2	2	3	23	2	28	1	----	816	
Miscellaneous (animal food).....	----	----	----	2,660	3,350	----	----	----	----	----	----	6,010	
Crustacean:													
Crab, market.....	86,389	50,718	35,601	2,201	1,822	12,808	----	----	----	123,027	71,906	384,482	
Crayfish.....	----	51	----	----	16,887	28,237	48,725	41,738	1,824	839	490	79	
Shrimp, bay.....	1,338	341	180	----	----	----	----	20	----	----	----	1,869	
Shrimp, ocean.....	----	----	----	----	----	700	----	----	----	450	----	700	
Sea urchin.....	----	----	----	----	----	----	----	----	----	600	----	450	
Mollusk:													
Alalone.....	2,350	----	2,725	1,730	2,709	1,490	2,415	75	6,391	2,036	1,579	1,996	
Clam, mixed.....	----	20	10	10	----	----	20	10	----	10	40	120	
Octopus.....	32	----	45	75	125	40	85	150	102	----	----	657	
Oyster, eastern.....	1,630	1,628	1,560	1,143	1,176	797	608	1,386	1,741	914	1,166	1,133	
Oyster, giant Pacific.....	23,440	17,383	18,850	13,207	14,577	20,198	20,486	15,449	15,511	15,309	14,510	6,465	
Grand total.....	858,520	693,479	734,552	822,098	1,113,881	1,069,385	1,522,137	3,687,180	5,306,303	938,205	1,002,825	663,981	18,215,128

* Includes Sacramento area landings.

MAINE FISH CATCH FOR 1971

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TABLE 10—Cont'd.

TABLE 11
Monthly Landings of Commercial Fishing Boats in the Monterey Area During 1971

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM:													
California waters:													
Fish:													
Anchovy.....	242,250	30,000	1,000	1,400	21,500	.....	38,700	158,700	806,240	1,109,850	.....	1,400	2,409,040
Bonito, Pacific.....	.....	.....	.....	.....	.....	.....	.....	.....	2,885	12,137	1,755	.....	16,777
Cabezon.....	22	.....	180	215	443	335	.....	.....	87	627	678	233	2,270
Craker, white.....	1,255	2,783	1,327	537	2,726	21,603	16,321	21,010	7,948	5,753	11,755	6,842	99,162
Flounder.....	.....	1,350	1,192	5,999	1,862	2,637	615	3,749	11,547	4,183	259	.....	32,993
Hake, Pacific.....	.....	.....	.....	.....	.....	680	.....	.....	.....	.....	.....	.....	680
Hallibut, California.....	.....	303	153	568	180	1,712	996	22,358	16,306	4,925	161	.....	47,812
Herring, Pacific.....	.....	.....	.....	.....	49,175	40,575	23,550	106,900	.....	.....	.....	.....	222,200
Langost.....	7,556	9,028	13,228	32,090	43,470	60,487	34,840	3,121	5,773	15,703	13,690	11,399	291,229
Macrone, jack.....	47,184	44,900	8,328	7,535	13,660	5,114	891	9,435	16,209	6,440	3,900	.....	163,746
Perch.....	57	100	8,139	10,918	.....	.....	714	.....	180	154	119	73	29,174
Pompano, Pacific.....	.....	.....	321	1,570	371	253	785	1,274	45	83	.....	.....	4,952
Rockfish.....	156,143	171,055	443,403	422,345	249,784	283,393	105,323	59,633	146,053	233,001	12,889	132,301	2,398,283
Sablefish.....	228,672	119,551	186,634	71,323	60,258	138,139	56,370	26,944	43,980	8,733	12,581	149,341	1,167,693
Salmon.....	.....	.....	153	100,448	60,111	78,669	26,679	6,648	138	.....	.....	.....	270,772
Sanddab.....	1,580	5,871	23,482	8,711	11,559	13,608	2,138	6,835	11,176	3,907	98	1,145	89,189
Seabass, white.....	.....	.....	.....	46	105	31	193	1,487	402	.....	.....	.....	2,284
Shark.....	329	318	119	144	217	2,218	1,026	1,021	1,294	227	700	.....	5,171
Skate.....	85	2,070	4,850	3,763	7,280	5,450	3,255	6,462	6,145	2,233	.....	1,365	41,980
Smelt.....	3,998	14	1,418	2,355	2,278	4,520	720	7,155	465	26	.....	.....	25,461
Sole, Dover.....	1,725	635	3,450	1,150	7,280	14,740	3,030	6,265	2,100	2,560	.....	6,010	59,735
Sole, English.....	30,225	44,319	61,230	28,955	28,370	38,505	6,490	8,940	29,619	29,800	.....	11,480	311,073
Sole, petrale.....	26,260	31,317	40,765	29,620	17,960	23,375	6,580	11,960	12,730	11,110	.....	31,730	239,337
Sole, rex.....	17,135	17,720	46,400	1,820	1,545	80	.....	340	3,080	3,690	.....	11,035	108,725
Sole, sand.....	.....	1,025	730	3,630	1,410	270	45	.....	160	.....	.....	.....	7,270
Sole, miscellaneous.....	.....	65	10	144	17	215	982	1,575	1,702	907	.....	.....	5,617
Tuna, albacore.....	.....	.....	.....	.....	.....	.....	61,087	3,888,671	5,304,041	1,044,422	37,040	.....	10,335,370
Turbot.....	.....	.....	.....	.....	.....	.....	.....	15	.....	.....	.....	.....	15
Trip.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	580	425	415	1,420
Miscellaneous.....	.....	.....	.....	50	.....	.....	.....	.....	.....	.....	21	.....	74
Miscellaneous (animal food).....	.....	.....	.....	.....	1,400	.....	.....	.....	.....	.....	.....	.....	1,400

FISH BULLETIN 159

TABLE 11
Monthly Landings of Commercial Fishing Boats in the Monterey Area During 1971

Crustacean:														
Crab, market.....	148	248	119	8	----	----	----	----	----	----	16	14	553	
Crab, rock.....	220	109	66	----	----	----	----	----	----	----	70	48	524	
Prawn, spot.....	2,236	1,793	672	----	----	----	----	----	1,364	3,339	2,353	11,747		
Mollusk:														
Abalone.....	----	----	----	----	----	----	----	167	----	----	----	----	167	
Clam, rock.....	5	12	----	----	----	----	----	----	----	----	----	----	17	
Mussel.....	188	275	150	50	----	----	----	----	----	275	50	988		
Squid.....	----	----	----	----	2,448,330	8,143,818	3,148,125	171,725	1,908,200	380,400	415,825	191	197	16,646,423
Grand total.....	777,291	486,121	852,707	635,916	3,082,174	8,843,967	3,589,126	4,557,743	8,346,301	2,969,388	548,218	371,601	35,060,753	

MARINE FISH CATCH FOR 1971

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TABLE 11—Cont'd.

TABLE 12
Monthly Landings of Commercial Fishing Boats in the Santa Barbara Area During 1971

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM:													
California waters:													
Fish:													
Anchorovy.....	3,697,900	17,259	4,600	18,800	819,800	29,600	47,000	430,600	1,093,350	4,823,380	3,007,550	5,130,800	19,721,639
Barracuda, California.....	6	4	.....	.....	.....	.....	.....	189	41	152	.....	.....	372
Bonito, Pacific.....	86,932	40,913	.....	.....	.....	.....	232	228	147,549	71,738	203,726	68,480	619,795
Cabezon.....	538	649	372	4	22	8	.....	51	.....	.....	86	.....	1,739
Croaker, white.....	62	.....	.....	61	153	.....	.....	.....	.....	.....	.....	.....	248
Flounder.....	583	3,304	7,132	2,374	545	.....	.....	.....	30	227	818	.....	15,013
Hake, Pacific.....	.....	7,561	6,212	8,316	425	17,885	.....	.....	.....	.....	.....	.....	18,310
Hailor, California.....	16,836	7,891	.....	15,814	18,423	18,423	20,247	34,428	4,652	1,617	1,633	1,557	131,198
Lingcod.....	3,123	7,414	14,466	20,213	18,280	16,263	18,832	12,418	25,520	28,847	38,760	22,491	225,887
Mackerel.....	.....	54,968	18,800	403,350	43,000	399,350	118,700	41,100	.....	.....	997,250	219,180	2,253,898
Mackerel, Pacific.....	71	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	71
Perch.....	3,242	1,941	1,801	1,014	63	42	1,122	781	296	532	280	303	11,417
Pompano, Pacific.....	.....	165	255	118	940	.....	.....	.....	.....	.....	.....	.....	1,478
Rockfish.....	132,150	105,084	136,831	173,844	178,833	236,562	117,630	100,547	179,960	207,588	182,565	161,278	1,915,792
Sablefish.....	550	.....	130	.....	.....	130	.....	.....	.....	.....	.....	.....	830
Salmon.....	.....	.....	.....	2,239	17,043	30,461	21,055	14,823	14,779	.....	.....	.....	100,100
Sardines.....	.....	237	59	.....	810	80	.....	.....	.....	.....	.....	.....	1,286
Sea bass, giant.....	76	.....	.....	115	34	82	580	.....	.....	.....	.....	.....	876
Sea bass, white.....	1,487	4,024	4,617	457	1,806	3,027	6,288	18,627	24,563	95,055	6,532	7,368	166,888
Shark.....	2,771	4,214	1,633	2,642	6,480	4,283	3,287	3,412	3,134	4,352	.....	.....	41,353
Sheephead, California.....	.....	107	33	.....	.....	17	17	22	35	.....	.....	27	152
Skate.....	.....	.....	91	.....	66	24	.....	.....	.....	.....	.....	.....	181
Swordfish.....	.....	.....	74	.....	.....	.....	.....	.....	.....	.....	.....	.....	74
Sole, Dover.....	.....	.....	468	.....	5,760	5,756	2,660	2,660	4,605	205	.....	.....	22,111
Sole, English.....	75,489	60,273	64,388	17,111	19,364	13,838	8,065	10,396	27,120	34,180	41,047	31,013	409,196
Sole, petrale.....	.....	11,035	20,203	29,803	52,269	33,196	8,967	11,161	43,773	27,413	56,990	112,460	411,791
Sole, rex.....	7,585	8,005	2,290	2,910	3,292	1,805	180	1,080	3,360	6,610	6,135	1,680	49,762
Sole, sand.....	13,760	1,910	6,233	3,645	657	120	340	370	.....	1,224	1,725	1,725	29,866
Sole, miscellaneous.....	732	966	82	20	706	.....	584	862	20	866	1,683	2,066	8,466
Swordfish.....	.....	.....	.....	.....	.....	.....	469	11,702	16,178	.....	.....	.....	28,349
Tuna, albacore.....	.....	.....	.....	.....	.....	.....	78,286	759,815	1,614,198	689,039	245,038	.....	3,386,376
Turbot.....	465	983	4,372	3,470	7,360	1,877	90	.....	.....	.....	.....	.....	18,867
Whitefish, ocean.....	.....	.....	.....	.....	.....	.....	.....	23	.....	.....	.....	.....	23
Yellowtail, California.....	.....	.....	.....	.....	.....	.....	.....	13	17	.....	.....	.....	30
Miscellaneous.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	30	30
Miscellaneous (animal food).....	54,055	48,875	29,640	47,633	88,880	105,915	64,575	21,965	25,780	31,327	41,170	24,480	573,827

FISH BULLETIN 159

TABLE 12
Monthly Landings of Commercial Fishing Boats in the Santa Barbara Area During 1971

Crustacean:																
Crab, market.....	22,888	22,465	698	1,939	1,173	20	.....	.....	24	.....	36	25	4,861
Crab, rock.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	159,833
Lobster, spiny.....	14,991	11,901	5,288	.....	.....	.....	.....	.....	.....	16,267	16,558	13,391	78,363
Crustacean, other.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	95
Shrimp, ocean.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,110
Echinoderm:																
Sea urchin.....	.....	.....	.....	.....	.....	200	.....	.....	.....	.....	.....	.....	200
Mollusk:																
Abalone.....	261,149	.....	79,927	83,558	132,306	151,689	159,414	.....	.....	111,125	136,770	136,733	148,664
Oyster, giant Pacific.....	10,871	11,743	10,040	8,223	7,396	3,831	.....	.....	.....	.....	.....	.....	74,074
Squid.....	2,634,569	1,189,699	40,290	1,730,789	195,550	481,480	364,100	37,165	.....	.....	.....	.....	6,863,738
Total pounds.....	7,050,340	1,636,291	471,219	2,571,605	1,631,147	1,574,015	1,014,130	1,510,244	3,354,038	6,197,678	5,608,133	5,973,287	38,610,127			
Waters south of State:																
Fish:																
Tuna, albacore.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	16,550
Total pounds.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	16,550
Grand total.....	7,050,340	1,636,291	471,219	2,571,605	1,631,147	1,574,015	1,041,130	1,526,794	3,354,038	6,197,678	5,608,133	5,973,287	38,635,677			

MARINE FISH CATCH FOR 1971

TABLE 12—Cont'd.

TABLE 13
Monthly Landings and Shipments of Commercial Fish Into the Los Angeles Area During 1971

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM:													
California waters:													
Fish:													
Anchovy.....	30,339,280	799,515	330,020	873,944	7,767,354	204,648	60,053	150,595	120,056	24,005,644	782,355	1,191,698	67,255,374
Barracuda, California.....	5,540	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8,098
Blacksmith.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	42,549
Bonito, Pacific.....	213,543	131,716	87,621	5,869	17,512	20,585	4,765	1,241,207	4,064,451	1,662,800	748,702	549,852	8,748,623
Carp.....	484	921	1,980	1,988	881	551	.....	.....	.....	.....	.....	.....	6,796
Croaker, white.....	37,005	13,324	80,938	14,745	4,749	2,143	934	2,490	6,429	1,700	5,835	55,969	227,628
Flounder.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8
Fryingfish.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	100,596
Halibut.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10,329
Halibut, California.....	2,846	3,740	8,098	2,656	16,069	30,800	8,964	1,151	794	428	1,864	424	78,454
Lingcod.....	68	.....	17	40	.....	.....	.....	.....	.....	.....	.....	.....	2,617
Mackerel, jack.....	2,531,192	2,325,790	8,577,315	4,748,457	1,369,055	4,020,941	2,209,630	6,520,715	2,212,345	1,740,000	15,268,244	4,982,431	57,411,833
Mackerel, Pacific.....	1,055	85	4,142	222	1,205	796	12,380	125	20,394	4,079	49,628	55,550	153,311
Opaleye.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3,217
Perch.....	286	396	1,170	1,590	1,536	6,579	1,458	702	.....	143	340	520	14,807
Pompano, Pacific.....	27,399	6,569	63,044	51,566	6,466	1,685	725	1,490	8,409	1,081	4,785	2,579	175,798
Rosethill.....	45,484	48,313	81,573	19,103	37,469	35,676	13,045	14,367	18,901	37,820	74,518	43,999	435,296
Sablefish.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	731
Sanddab.....	.....	50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	468
Sardine.....	6,078	9,142	6,533	684	2,273	8,935	37,736	46,375	22,349	8,727	12,805	1,000	163,686
Sargo.....	.....	.....	11	.....	.....	180	15	.....	.....	.....	.....	.....	206
Sculpin.....	.....	.....	840	13	25	1,908	.....	.....	.....	.....	.....	.....	1,888
Sea bass, giant.....	.....	165	.....	165	472	2,536	1,218	170	376	.....	.....	.....	4,556
Sea bass, white.....	4,302	9,107	781	1,999	1,130	34,498	12,800	130,339	23,646	1,741	1,214	13,341	233,998
Shark.....	3,997	5,913	1,491	5,358	15,129	20,205	17,987	8,965	9,506	10,839	11,042	1,972	112,161
Sheepshead, California.....	191	872	496	103	574	1,098	1,519	525	62	13	590	30	6,013
Snow.....	1,235	687	3,330	5,735	3,620	7,065	385	10	20,130	33,700	30,270	600	107,817
Sole, English.....	2,380
Sole, petrale.....	16,535
Sole, miscellaneous.....	184

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TABLE 13
Monthly Landings and Shipments of Commercial Fish Into the Los Angeles Area During 1971

Swordfish.....	----	----	----	----	----	260	825	4,159	22,832	21,681	5,083	380	53,542
Tuna, albacore.....	----	----	----	----	----	----	59,794	424,775	2,112,572	917,556	239,204	2,161	3,776,147
Tuna, bluefin.....	----	----	----	----	----	----	57,995	124,531	62,471	235,299	----	2,882	471,148
Tuna, skipjack.....	707	185	----	----	----	----	----	----	4,460	----	----	65	4,965
Tuna, yellowfin.....	----	----	----	----	----	----	----	14,350	128,999	----	----	----	144,201
Whitefish, ocean.....	----	----	----	----	----	----	----	5	45	----	----	----	50
Yellowtail, California.....	781	----	35	----	282	2,018	637	302	105	----	----	175	4,333
Miscellaneous.....	----	----	----	----	----	80	31	----	----	----	----	22	153
Crustaceans:													
Crab, rock.....	25,155	24,449	25,589	29,233	25,379	29,617	38,291	42,041	37,997	26,214	19,728	36,003	960,296
Lobster, spiny.....	5,194	9,996	2,656	----	----	----	----	----	----	18,590	20,732	16,145	73,553
Mollusks:													
Abalone.....	239,164	554	120,979	55,700	112,579	81,576	99,175	----	43,277	46,987	45,173	42,240	887,464
Squid.....	2,910,200	1,434,200	636,150	842,000	1,055,833	563,900	361,300	147,665	98,700	50,560	48,000	6,000	8,185,108
Total pounds.....	36,401,346	4,820,750	10,005,996	6,684,835	10,463,241	5,792,845	3,075,893	8,905,307	8,921,925	29,550,915	17,692,014	7,031,438	149,346,605
Waters north of State:													
Fish:													
Tuna, albacore.....	----	----	----	----	----	----	----	337,119	----	----	----	----	337,119
Total pounds.....								337,119					337,119
Waters south of State:													
Fish:													
Bonito, Pacific.....	1,228	23,447	49,449	921	585,214	544,055	1,562,492	3,640,678	1,062,441	406,265	242,880	243,967	8,363,038
Dolphinfish.....	----	----	----	81	----	----	----	----	----	----	730	----	730
Halibut, California.....	65	----	----	----	----	----	10	----	----	----	249	85	469
Lingcod.....	----	----	----	192	----	----	----	----	----	----	----	----	540
Perch.....	----	----	----	----	----	----	----	----	----	----	----	192	192
Rockfish.....	----	2,435	1,950	3,558	2,475	370	----	----	----	240	785	4,167	15,980
Squid.....	----	----	----	81	----	----	----	----	----	----	----	----	81
Sea hare, giant.....	5,899	3,723	8,702	11,013	896	2,876	----	17,250	21,683	23,119	4,766	99,537	99,537
Seahorse, white.....	13,182	12,584	50,714	49,540	1,234	11,916	37	----	5,419	9,943	33,254	187,453	187,453
Shark.....	7,900	----	260	----	918	----	----	----	----	----	----	----	8,778
Sheephead, California.....	----	----	----	----	----	57	----	----	----	----	480	----	57
Tuna, albacore.....	----	----	51,600	45,533	----	1,127,376	961,532	177,651	22,975	----	480	----	2,200,014
Tuna, bluefin.....	----	49,365	----	----	542,760	2,669,906	1,692,949	1,839,652	1,315,292	1,888,407	400,705	1,424,466	1,636,784
Tuna, skipjack.....	476,659	4,531,969	10,162,671	10,536,756	11,348,538	17,901,158	12,345,952	2,555,753	490,241	914,943	1,110,412	3,078,865	74,472,559

MARINE FISH CATCH FOR 1971

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TABLE 13—Cont'd.

TABLE 13—Continued
 Monthly Landings and Shipments of Commercial Fish Into the Los Angeles Area During 1971—Continued

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Waters south of State:													
Fish:													
Tuna, yellowfin.....	3,436,315	19,580,907	13,844,050	17,346,456	11,604,420	11,453,766	7,841,336	3,533,157	6,127,370	8,183,699	8,365,740	10,291,330	121,009,146
Wahoo.....	183	.....	.....	211	.....	216	.....	.....	.....	.....	230	.....	230
Whitefish, ocean.....	183	.....	.....	211	.....	216	.....	.....	.....	.....	.....	.....	213
Yellowtail, California.....	13,056	17,022	10,504	5,922	5,395	5,376	2,886	134,325	103,695	1,072	9,656	.....	18,607
Total pounds.....	3,054,097	21,241,778	21,180,516	28,003,293	21,091,623	31,880,718	24,473,113	12,518,262	9,203,940	11,448,803	10,164,629	15,118,305	219,373,077
African waters:													
Fish:													
Tuna, skipjack.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,534,362	2,003,810	3,538,172
Tuna, yellowfin.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	666,676	135,888	692,464
Total pounds.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,100,938	2,139,698	4,230,636
SHIPMENTS*:													
Fish:													
Tuna, albacore.....	1,991,391	1,632,747	1,071,184	1,791,395	919,321	411,077	1,107,281	3,111,162	255,424	2,878,477	6,660,580	7,386,174	29,817,213
Tuna, bigeye.....	41,839	.....	.....	.....	22,695	.....	488	.....	.....	.....	.....	.....	65,019
Tuna, bluefin.....	319,483	200,203	655,644	.....	.....	273,283	147,545	.....	8,900	11,064	244,665	400,630	2,401,977
Tuna, skipjack.....	3,696,810	3,085,962	7,923,340	9,589,372	3,880,693	1,094,613	886,738	1,448,566	846,452	1,844,025	6,946,124	6,846,401	45,399,656
Tuna, skipjack, black.....	649,565	779,707	2,755,506	446,014	351,649	858,445	205,020	475,957	301,570	1,770,446	3,436,239	3,492,235	15,822,946
Tuna, yellowfin.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	45,800
Total pounds.....	6,899,097	5,698,610	13,305,683	11,826,781	4,974,358	3,469,523	2,082,169	5,035,625	1,411,946	6,205,532	17,287,548	18,125,430	96,322,311
Grand total.....	47,254,540	34,781,147	47,492,195	46,514,909	33,529,322	41,182,068	29,601,175	28,455,194	19,964,930	47,200,250	47,245,129	42,404,871	468,609,748

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

TABLE 13
 Monthly Landings and Shipments of Commercial Fish Into the Los Angeles Area During 1971

TABLE 14
 Monthly Landings and Shipments of Commercial Fish Into the San Diego Area During 1971

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
LANDINGS FROM:													
California waters:													
Fish:													
Anchovy.....	.....	79	74	.....	.....	.....	.....	.....	.....	.....	.....	.....	153
Barracuda, California.....	.....	18	209	537	941	4,680	929	180	.....	.....	.....	.....	7,854
Bonito, Pacific.....	2,805	4,683	.....	608	378	698	1,321	493,803	578,610	2,330	.....	.....	1,085,511
Cakefish.....	.....	16	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	32
Croaker, white.....	.....	1,180	843	164	.....	.....	.....	.....	.....	.....	161	.....	3,173
Flounder.....	.....	.....	.....	.....	.....	46	.....	.....	.....	.....	.....	.....	46
Halibut.....	990	1,688	565	1,474	1,426	1,892	2,458	216	.....	423	796	365	12,596
Halibut, California.....	1,911	1,122	1,885	1,281	1,368	1,275	706	206	.....	145	348	894	11,066
Lingcod.....	69	25	73	.....	.....	181	9	.....	.....	22	20	.....	469
Mackerel, jack.....	22	230	137	39	.....	301	.....	8,940	10	.....	.....	.....	10,258
Mackerel, Pacific.....	.....	.....	200	30	190	1,110	264	.....	.....	50	45	.....	1,999
Opaleye.....	.....	542	250	367	280	1,263	204	66	.....	.....	.....	.....	355
Perch.....	609	170	205	554	365	1,282	2,175	553	587	2,347	587	275	10,511
Rockfish.....	36,225	33,005	49,446	19,027	33,991	25,756	6,057	16,683	31,248	25,888	25,018	28,180	330,526
Saltdab.....	.....	.....	.....	.....	460	.....	.....	.....	.....	.....	.....	.....	460
Sandfish.....	.....	.....	.....	7	.....	30	71	63	.....	.....	.....	.....	171
Sardine.....	.....	.....	19,300	38,875	19,350	10,825	15,350	5,350	14,100	7,850	2,950	.....	134,200
Sargo.....	.....	.....	.....	.....	.....	.....	147	.....	.....	.....	.....	.....	147
Sculpin.....	5,468	4,145	758	686	146	1,883	5,198	3,560	7,700	4,216	2,781	3,023	40,172
Sea bass, giant.....	35	.....	.....	374	309	340	408	264	674	437	37	.....	1,651
Sebass, white.....	9,318	5,697	4,457	3,140	11,529	9,667	10,095	52,882	4,339	6,181	22,056	9,174	148,745
Shark.....	5,911	5,542	3,771	1,316	16,696	22,295	37,711	15,563	26,707	20,637	12,621	10,619	179,554
Sheepshead, California.....	.....	43	361	.....	91	395	172	103	.....	130	580	273	2,148
Smelt.....	.....	8	.....	.....	15	.....	.....	.....	.....	.....	.....	.....	8
Sole, miscellaneous.....	10	79	162	333	15	.....	101	274	37	61	12	22	1,109
Swordfish.....	.....	.....	.....	.....	.....	311	1,118	27,859	19,198	18,041	4,555	.....	71,082
Tuna, albacore.....	.....	.....	.....	174	.....	38	319,471	127,053	577,729	7,890	14,033	885	1,048,173
Tuna, bluefin.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	99	.....	99
Tuna, skipjack.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	215
Tuna, yellowfin.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	700
Whitefish, ocean.....	273	115	290	63	663	134	102	380	86	.....	60	.....	2,126
Yellowtail, California.....	2,901	787	92	723	1,795	2,610	631	844	455	5,425	9,123	1,501	26,639
Miscellaneous.....	161	257	111	131	241	141	335

MARINE FISH CATCH FOR 1971
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TABLE 14
 Monthly Landings and Shipments of Commercial Fish Into the San Diego Area During 1971

TABLE 14—Continued
 Monthly Landings and Shipments of Commercial Fish Into the San Diego Area During 1971—Continued

Species	January	February	March	April	May	June	July	August	September	October	November	December	Total pounds
Crustacean:													
Crab, rock.....	2,849	5,934	2,796	1,620	391	69	57	17	162	1,107	1,010	2,788	18,800
Lobster, spiny.....	6,938	3,832	2,440	.....	.....	.....	.....	.....	.....	29,215	18,192	11,853	72,670
Miscellaneous crustacean.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	30
Mollusk:													
Abalone.....	125,081	325	43,342	38,322	80,443	79,929	78,474	500	31,786	47,269	55,389	50,388	631,245
Squid.....	.....	535	784	276	.....	.....	.....	.....	.....	.....	.....	.....	1,590
Total pounds.....	201,476	69,868	132,637	110,090	171,587	166,435	483,150	757,123	1,293,745	180,022	172,011	124,632	3,863,106
Waters north of State:													
Fish:													
Tuna, albacore.....	.....	.....	.....	.....	.....	.....	8,456	.....	.....	.....	.....	.....	8,456
Total pounds.....	.....	.....	.....	.....	.....	.....	8,456	.....	.....	.....	.....	.....	8,456
Waters south of State:													
Fish:													
Anchovy.....	.....	.....	139	.....	28	.....	.....	.....	.....	.....	7	.....	174
Barramundi, California.....	.....	.....	.....	40	.....	.....	.....	.....	.....	.....	.....	.....	49
Bonito, Pacific.....	16,294	17,063	45,851	16,782	102,664	271,342	2,472	227,612	467,839	140,688	20,177	91,154	1,429,678
Chanos, white.....	.....	.....	.....	.....	30	.....	.....	.....	.....	.....	.....	.....	30
Dolphinfish.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	109	109
Halibut, California.....	11	.....	35	.....	.....	.....	.....	.....	.....	.....	.....	.....	46
Lingcod.....	.....	.....	.....	.....	96	.....	.....	.....	.....	.....	.....	.....	96
Mackerel, jack.....	.....	.....	.....	.....	49	.....	.....	.....	.....	.....	.....	.....	49
Mackerel, Pacific.....	.....	.....	.....	.....	157	.....	.....	.....	.....	.....	.....	.....	157
Pompano, Pacific.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15
Rockfish.....	93	49	14,263	1,081	4,151	7,419	81	355	3,256	3,863	8,385	4,967	47,065
Sculpin.....	.....	23	18	.....	2,149	27,511	33,104	25,133	1,094	108	35	.....	89,085
Sea bass, giant.....	469	1,054	1,783	995	61	.....	.....	.....	.....	.....	517	2,311	7,160
Seahorse, white.....	5,834	11,310	30,350	5,575	.....	.....	316	11,904	1,994	.....	5,941	10,492	84,519
Shark.....	10,043	3,282	962	2,430	.....	.....	.....	.....	.....	.....	2,036	1,618	20,361
Sheephead, California.....	.....	22	.....	.....	.....	19	.....	.....	.....	185	.....	.....	226
Sole, miscellaneous.....	.....	10	.....	.....	.....	4	.....	.....	.....	.....	.....	.....	106
Swordfish.....	.....	.....	.....	.....	.....	.....	.....	1,960	.....	183	.....	.....	1,845
Tuna, albacore.....	53	2,603,414	1,739,218	184,929	281,388	61,574	4,842,965
Tuna, bigeye.....	32,086	44,282	122,996

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TABLE 14
 Monthly Landings and Shipments of Commercial Fish Into the San Diego Area During 1971

Tuna, bluefin.....	.....	.....	.....	.....	299,071	1,142,720	1,390,847	1,777,288	1,039,719	350,971	45,205	355,930	6,371,751
Tuna, skipjack.....	53,459	1,659,034	3,448,998	4,762,994	1,638,473	5,021,562	3,129,428	995,023	671,053	227,047	407,229	833,447	23,362,127
Tuna, yellowfin.....	876,110	3,800,513	3,671,147	4,623,305	383,332	2,049,667	1,999,886	506,937	979,351	1,300,112	2,726,787	1,395,322	28,491,300
Whitedash, ocean.....	.....	.....	.....	.....	832	.....	.....	.....	.....	.....	.....	.....	832
Yellowtail, California.....	2,305	8,342	7,634	140	1,513	90	1,016	193	18	655	6,286	3,211	31,057
Crustacean:													
Crab, rock.....	.....	.....	1,519	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,519
Mollusk:													
Squid.....	.....	.....	.....	.....	66	41	.....	.....	8	.....	.....	.....	115
Total pounds.....	964,518	7,053,129	9,267,123	9,415,998	2,392,245	10,020,574	9,127,577	5,218,844	3,320,302	2,274,910	3,293,383	2,655,359	65,003,572
SHIPMENTS.*													
Fish:													
Tuna, albacore.....	.....	.....	65,200	.....	.....	65,456	385,519	.....	.....	.....	221,413	1,458,734	2,196,642
Tuna, bluefin.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	115,088
Tuna, skipjack.....	.....	.....	152,753	559,892	278,880	16,377	.....	.....	105,719	310,707	111,201	1,398,565	2,175,618
Tuna, yellowfin.....	150,533	.....	.....	.....	203,142	.....	.....	.....	203,099	317,171	.....	19,085	799,312
Total pounds.....	150,533	.....	218,288	559,892	482,022	81,833	385,519	363,838	942,966	111,201	1,639,466	4,433,091	9,377,626
Grand total.....	1,325,527	7,123,027	9,618,348	10,065,591	3,045,854	10,268,842	10,004,702	6,339,805	5,557,013	2,966,136	5,104,869	7,213,055	78,282,780

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

MARINE FISH CATCH FOR 1971

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TABLE 14—Cont'd.

TABLE 15
Value of Landings and Shipments of Commercial Fish Into California by Area, 1971

Species	Eureka	San Francisco*	Monterey	Santa Barbara	Los Angeles	San Diego	Total
LANDINGS							
Fish:							
Anchovy.....	---	318,888	2,409,040	19,721,639	67,255,374	327	89,705,068
Barracuda, California.....	---	\$35,056	\$29,572	\$268,214	\$759,986	\$54	\$1,093,182
Blackfish, Sacramento.....	---	---	---	\$129	\$3,015	\$2,454	\$5,598
Blacksmith.....	---	320,258	---	---	---	---	320,258
Blacksmith.....	---	\$104,980	---	---	42,340	---	\$104,980
---	---	---	---	---	\$965	---	\$965
Bonito, Pacific.....	390	5,172	16,777	619,795	17,111,661	2,515,189	20,268,984
Cabazon.....	\$66	\$321	\$933	\$48,902	\$1,558,873	\$232,152	\$1,841,247
Carp.....	\$2	135	2,570	1,730	---	32	4,518
---	---	271,670	\$210	\$152	---	\$4	\$388
---	---	\$36,919	---	---	6,766	---	278,636
---	---	---	---	---	\$970	---	\$37,889
Croaker, white.....	---	4,754	99,192	248	227,028	3,203	334,425
---	---	\$524	\$6,923	\$25	\$16,371	\$386	\$24,229
Dolphinfish.....	---	---	---	---	730	109	839
---	---	---	---	---	\$126	\$27	\$153
Flounder.....	125,622	120,308	32,893	15,013	8	46	293,890
---	\$6,947	\$8,542	\$3,515	\$1,492	\$2	\$12	\$20,510
Flounder, arrowtooth.....	2,446	215	---	---	---	---	2,661
---	\$157	\$9	---	---	---	---	\$166
Flyingfish.....	---	---	---	---	160,266	---	160,266
---	---	---	---	---	\$23,976	---	\$23,976
Hake, Pacific.....	---	15,775	600	18,310	---	---	34,685
---	---	\$686	\$9	\$366	---	---	\$1,061
Halfmoon.....	---	---	---	---	10,526	12,596	23,122
---	---	---	---	---	\$2,623	\$2,947	\$5,570
Halibut, California.....	71	63,664	47,812	134,198	78,863	12,263	336,971
---	\$25	\$18,564	\$16,514	\$54,859	\$30,599	\$5,691	\$126,252
Halibut, Pacific.....	25	---	---	---	---	---	25
---	\$10	---	---	---	---	---	\$10
Herring, Pacific.....	---	18,636	222,300	---	---	---	240,936
---	---	\$6,597	\$12,137	---	---	---	\$18,734
Hitch.....	---	1,200	---	---	---	---	1,200
---	---	\$336	---	---	---	---	\$336
Lingcod.....	1,174,250	429,881	264,299	225,857	3,157	505	2,097,949
---	\$113,314	\$35,592	\$29,178	\$22,451	\$362	\$59	\$200,956
Mackerel, jack.....	---	1,181	163,746	2,295,898	57,411,853	10,307	59,882,985
---	---	\$65	\$9,759	\$91,836	\$2,313,897	\$54	\$2,415,901
Mackerel, Pacific.....	---	---	---	---	153,531	2,245	155,847
---	---	---	---	---	\$4	\$7,230	\$7,562
Mudsucker, longjaw.....	---	1,948	---	---	---	---	1,948
---	---	\$3,766	---	---	---	---	\$3,766
Opaleye.....	---	---	---	---	3,217	2,064	5,281
---	---	---	---	---	\$672	\$282	\$954
Perch.....	73,456	45,081	29,174	11,417	14,999	10,811	184,938
---	\$14,262	\$15,154	\$4,997	\$3,059	\$3,028	\$2,249	\$42,749
Pompano, Pacific.....	---	---	4,842	1,478	175,798	13	181,931
---	---	---	\$2,610	\$361	\$40,679	\$3	\$43,653
Rockfish.....	4,779,965	1,245,989	2,358,283	1,915,762	451,216	377,531	11,168,746
---	\$306,455	\$97,401	\$209,969	\$155,026	\$92,709	\$80,328	\$941,888
Sablefish.....	2,582,968	641,779	1,197,695	830	731	460	4,424,463
---	\$178,999	\$32,538	\$78,448	\$33	\$92	\$46	\$290,156
Salmon.....	5,633,210	2,112,796	270,772	100,190	---	---	8,116,878
---	\$3,042,740	\$1,450,841	\$189,770	\$73,623	---	---	\$4,756,974
Sanddab.....	441,383	252,904	89,189	1,286	468	171	785,401
---	\$46,698	\$27,719	\$8,705	\$64	\$99	\$46	\$83,331
Sardine.....	---	---	---	---	163,686	134,200	297,886
---	---	---	---	---	\$35,160	\$33,550	\$68,710
Sargo.....	---	---	---	---	287	147	434
---	---	---	---	---	\$66	\$15	\$81
Sculpin.....	---	---	---	---	1,886	129,258	131,144
---	---	---	---	---	\$693	\$41,402	\$42,095
Sea bass, giant.....	---	---	---	876	104,393	11,989	117,258
---	---	---	---	\$292	\$23,947	\$3,190	\$27,539
Seabass, white.....	---	---	2,284	166,885	421,451	233,264	823,884
---	---	---	\$1,002	\$62,598	\$163,987	\$99,977	\$327,564
Shark.....	692	46,303	9,171	44,335	120,939	199,895	421,335
---	\$49	\$2,426	\$574	\$5,629	\$16,980	\$37,982	\$63,640
Sheephead, California.....	---	---	---	419	6,070	2,374	8,864
---	---	---	---	\$48	\$607	\$362	\$1,007
Skate.....	11,527	4,545	44,980	181	---	---	61,233
---	---	\$117	\$1,007	\$15	---	---	\$1,139
Smelt.....	167,866	49,175	23,461	74	107,817	8	348,401
---	\$13,281	\$5,802	\$3,204	\$7	\$5,785	\$1	\$28,080
Smelt, whitebait.....	140,108	6,644	---	---	---	---	146,752
---	\$15,594	\$817	---	---	---	---	\$16,411
Sole, Dover.....	12,541,882	1,624,991	59,735	22,111	---	---	14,248,719
---	\$1,053,518	\$119,112	\$3,751	\$1,793	---	---	\$1,178,174

TABLE 15
Value of Landings and Shipments of Commercial Fish Into California by Area, 1971

TABLE 15—Continued
Value of Landings and Shipments of Commercial Fish Into California by Area, 1971—Continued

Species	Eureka	San Francisco*	Monterey	Santa Barbara	Los Angeles	San Diego	Total
Sole, English.....	1,192,256	1,048,510	311,673	409,196	2,380	----	2,964,015
	\$130,195	\$112,505	\$33,474	\$39,364	\$286	----	\$315,824
Sole, petrale.....	1,657,464	1,379,557	239,337	411,791	16,235	----	3,704,384
	\$273,812	\$225,419	\$40,902	\$67,739	\$2,760	----	\$610,632
Sole, rex.....	1,049,338	260,050	108,725	49,762	----	----	1,467,875
	\$121,092	\$30,842	\$11,797	\$5,693	----	----	\$169,424
Sole, sand.....	110,856	144,425	7,270	29,866	----	----	292,417
	\$12,738	\$17,865	\$921	\$4,178	----	----	\$35,702
Sole, miscellaneous.....	----	13	5,617	8,466	184	1,215	15,495
	----	\$2	\$594	\$1,941	\$24	\$343	\$2,004
Swordfish.....	----	----	----	28,349	53,542	72,627	154,518
	----	----	----	\$15,272	\$27,033	\$43,859	\$86,164
Tuna, albacore.....	3,079,824	6,995,840	10,335,870	3,402,926	6,403,280	5,898,994	36,116,734
	\$893,764	\$2,060,975	\$3,049,081	\$1,004,544	\$2,018,314	\$1,849,925	\$10,876,603
Tuna, bigeye.....	----	----	----	----	1,586,784	219,254	1,806,038
	----	----	----	----	\$332,907	\$45,714	\$378,621
Tuna, bluefin.....	----	----	----	----	10,879,116	6,371,850	17,250,966
	----	----	----	----	\$2,263,945	\$1,274,370	\$3,538,315
Tuna, skipjack.....	----	----	----	----	78,015,296	23,362,342	101,377,638
	----	----	----	----	\$14,339,212	\$4,289,326	\$18,628,538
Tuna, yellowfin.....	----	----	----	----	122,445,911	28,495,200	150,941,111
	----	----	----	----	\$25,517,727	\$5,924,152	\$31,441,879
Turbot.....	1,840	4,440	15	18,587	----	----	24,882
	\$191	\$232	\$2	\$1,472	----	----	\$1,897
Wahoo.....	----	----	----	----	230	----	230
	----	----	----	----	\$46	----	\$46
Whitefish, ocean.....	----	----	----	23	1,072	2,611	3,706
	----	----	----	\$2	\$102	\$319	\$423
Yellowtail, California..	----	----	----	30	332,794	57,696	390,520
	----	----	----	\$4	\$37,673	\$7,160	\$44,837
Frog.....	----	8,446	1,420	----	----	----	9,866
	----	\$4,699	\$1,619	----	----	----	\$6,318
Miscellaneous.....	281	316	74	30	133	335	1,169
	\$44	\$141	\$4	----	\$35	\$98	\$322
Miscellaneous (animal food).....	407,926	6,010	1,400	573,827	----	----	989,163
	\$8,158	\$120	\$21	\$11,476	----	----	\$19,775
Crustacean:							
Crab, market.....	9,272,969	384,482	553	4,261	----	----	9,662,265
	\$2,665,051	\$154,024	\$247	\$2,029	----	----	\$2,821,351
Crab, rock.....	1,740	----	524	159,853	360,296	20,319	542,732
	----	----	\$27	\$14,468	\$51,522	\$2,869	\$68,886
Crayfish.....	----	137,966	----	----	----	----	137,966
	----	\$55,358	----	----	----	----	\$55,358
Lobster, spiny.....	----	----	----	78,363	73,553	72,570	224,486
	----	----	----	\$106,990	\$103,445	\$98,245	\$308,680
Prawn, spot.....	----	----	11,747	26	----	----	11,773
	----	----	\$11,263	\$32	----	----	\$11,295
Shrimp, bay.....	----	1,899	----	----	----	----	1,899
	----	\$966	----	----	----	----	\$966
Shrimp, ocean.....	3,077,773	700	----	2,110	----	----	3,080,583
	\$400,110	\$91	----	\$253	----	----	\$400,454
Miscellaneous crustacean.....	----	----	----	----	----	30	30
	----	----	----	----	----	\$12	\$12
Echinoderm:							
Sea star.....	----	450	----	----	----	----	450
	----	\$119	----	----	----	----	\$119
Sea urchin.....	----	----	----	200	----	----	200
	----	----	----	\$36	----	----	\$36
Mollusk:							
Abalone.....	----	25,116	167	1,401,326	887,464	631,245	2,945,318
	----	\$10,606	\$60	\$509,728	\$247,503	\$185,250	\$953,147
Clam, unclassified.....	28	120	17	----	----	----	165
	\$4	\$300	\$5	----	----	----	\$309
Mussel.....	----	----	988	----	----	----	988
	----	----	\$17	----	----	----	\$17
Octopus.....	829	657	318	----	----	----	1,804
	\$56	\$45	\$80	----	----	----	\$181
Oyster, eastern.....	----	13,852	----	----	----	----	13,852
	----	\$40,725	----	----	----	----	\$40,725
Oyster, giant Pacific.....	692,515	198,385	----	74,074	----	----	864,974
	\$602,488	\$172,594	----	\$64,444	----	----	\$839,526
Squid.....	197	----	16,646,423	6,683,735	8,185,108	1,945	31,517,408
	\$10	----	\$512,709	\$96,914	\$150,605	\$200	\$760,438
Total pounds.....	48,221,748	18,215,126	35,060,753	38,635,677	373,287,437	68,875,134	582,295,875
Total value.....	\$9,899,830	\$4,891,532	\$4,275,910	\$2,736,567	\$50,196,438	\$14,265,923	\$86,266,200

TABLE 15
Value of Landings and Shipments of Commercial Fish Into California by Area, 1971

TABLE 15—Continued
Value of Landings and Shipments of Commercial Fish Into California by Area, 1971—Continued

Species	Eureka	San Francisco*	Monterey	Santa Barbara	Los Angeles	San Diego	Total
SHIPMENTS:†							
Fish:							
Tuna, albacore.....	----	----	----	----	29,817,213	2,196,642	32,013,855
Tuna, bigeye.....	----	----	----	----	\$11,014,478	\$783,762	\$11,798,240
Tuna, bluefin.....	----	----	----	----	65,018	----	65,019
Tuna, skipjack.....	----	----	----	----	\$15,143	----	\$15,143
Tuna, skipjack, black..	----	----	----	----	2,461,977	115,088	2,577,065
Tuna, yellowfin.....	----	----	----	----	\$645,776	\$23,018	\$668,794
	----	----	----	----	48,399,956	5,164,554	53,564,510
	----	----	----	----	\$10,773,830	\$1,167,706	\$11,941,536
	----	----	----	----	55,800	----	55,800
	----	----	----	----	\$4,698	----	\$4,698
	----	----	----	----	15,522,346	1,901,342	17,423,688
	----	----	----	----	\$4,267,093	\$502,144	\$4,769,237
Total pounds.....	----	----	----	----	96,322,311	9,377,626	105,699,937
Total value.....	----	----	----	----	\$26,721,018	\$2,476,630	\$29,197,648
GRAND TOTAL POUNDS	48,221,748	18,215,126	35,060,753	38,635,677	469,609,748	78,252,760	687,995,812
GRAND TOTAL VALUE	\$9,899,830	\$4,891,532	\$4,275,910	\$2,736,567	\$76,917,456	\$16,742,553	\$115,463,848

* 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, 1971

TABLE 16
Value of Landings by Port, Eureka Area, 1971

	Pounds	Value
Eureka		
Salmon.....	2,066,662	1,144,634
Market crab.....	3,507,960	1,008,187
Dover sole.....	7,706,463	647,343
Giant Pacific oyster.....	692,515	602,488
Albacore.....	1,792,920	520,305
Rockfish.....	2,378,870	148,309
Petrale sole.....	818,839	135,272
Rex sole.....	649,601	74,963
Sablefish.....	1,002,900	69,501
English sole.....	579,625	63,295
Ocean shrimp.....	292,954	38,084
Lingcod.....	352,570	34,022
Sanddab.....	315,907	33,423
Smelt.....	131,289	10,469
Whitebait smelt.....	84,325	9,385
Perch.....	44,749	8,905
Miscellaneous (animal food).....	407,926	8,158
Sand sole.....	21,064	2,420
All other species.....	34,644	1,326
Port totals.....	22,881,783	\$4,560,489
Crescent City		
Market crab.....	4,947,055	\$1,421,784
Salmon.....	1,154,159	612,978
Ocean shrimp.....	2,784,294	361,958
Dover sole.....	2,311,419	194,159
Albacore.....	591,012	171,512
Rockfish.....	1,246,209	82,396
Petrale sole.....	351,916	58,136
Lingcod.....	471,829	45,531
English sole.....	384,511	41,989
Rex sole.....	198,407	22,896
Sablefish.....	239,686	16,610
Sanddab.....	114,272	12,090
Sand sole.....	89,657	10,302
Flounder.....	106,717	5,901
Perch.....	28,021	5,237
Whitebait smelt.....	38,802	4,319
Smelt.....	20,982	1,487
All other species.....	954	108
Port totals.....	15,079,902	\$3,069,393
Fort Bragg		
Salmon.....	2,024,635	\$1,085,608
Dover sole.....	2,524,000	212,016
Albacore.....	692,798	201,050
Sablefish.....	1,340,382	92,888
Market crab.....	307,237	88,300
Petrale sole.....	486,799	89,404
Rockfish.....	1,148,432	75,313
Lingcod.....	348,849	33,664
English sole.....	228,120	24,911
Rex sole.....	201,330	23,233
Whitebait smelt.....	16,981	1,800
Sanddab.....	11,204	1,185
All other species.....	13,819	1,159
Port totals.....	9,344,496	\$1,921,621
Trinidad		
Market crab.....	510,717	\$146,780
Salmon.....	160,123	77,457
All other species.....	1,073	311
Port totals.....	671,913	\$224,548

TABLE 16
Value of Landings by Port, Eureka Area, 1971

TABLE 16—Continued
Value of Landings by Port, Eureka Area, 1971—Continued

	Pounds	Value
Albion		
Salmon.....	202,149	\$109,944
All other species.....	8,878	1,065
Port totals.....	211,027	\$111,009
All other ports		
Salmon.....	25,482	\$12,119
All other species.....	7,145	651
Totals.....	32,627	\$12,770
EUREKA AREA TOTALS.....	48,221,748	\$9,899,830

TABLE 16
Value of Landings by Port, Eureka Area, 1971

TABLE 17
Value of Landings by Port, San Francisco Area, 1971 *

	Pounds	Value
Bodega Bay		
Salmon.....	794,166	\$527,338
Albacore.....	866,567	255,291
English sole.....	536,620	57,579
Market crab.....	111,540	44,683
Petrale sole.....	243,819	39,840
Rockfish.....	392,538	34,253
Dover sole.....	212,112	15,548
Lingcod.....	180,163	14,917
Rex sole.....	103,429	12,267
Sablefish.....	107,190	5,434
Sanddab.....	47,209	5,174
Smelt.....	36,085	4,144
Flounder.....	35,880	2,547
Perch.....	6,203	1,298
All other species.....	13,773	1,327
Port totals.....	3,687,294	\$1,021,640
San Francisco		
Albacore.....	822,538	242,320
Petrale sole.....	1,108,382	181,110
Salmon.....	211,329	151,957
Dover sole.....	1,293,586	94,820
Market crab.....	177,203	70,988
Rockfish.....	806,534	59,753
English sole.....	505,760	54,268
Sablefish.....	506,091	25,659
Sanddab.....	202,970	22,246
Lingcod.....	233,072	19,298
Rex sole.....	154,186	18,286
Sand sole.....	141,580	17,513
California halibut.....	23,307	6,796
Flounder.....	79,140	5,619
Perch.....	7,758	2,785
Shark.....	20,155	1,026
All other species.....	34,287	1,619
Port totals.....	6,327,878	\$976,063
Sausalito		
Albacore.....	2,646,163	\$779,560
Salmon.....	224,848	155,044
Anchovy.....	318,688	35,056
Pacific herring.....	6,890	2,439
Dover sole.....	16,806	1,232
All other species.....	21,029	1,746
Port totals.....	3,234,424	\$975,077
Oakland		
Albacore.....	2,659,384	\$783,454
Salmon.....	85,972	57,705
Dover sole.....	102,062	7,483
Sablefish.....	19,924	1,010
All other species.....	15,641	1,785
Port totals.....	2,883,013	\$851,437
Point Reyes		
Salmon.....	439,962	\$298,321
Giant Pacific oyster.....	169,355	147,339
Market crab.....	44,086	17,661
All other species.....	3,918	368
Port totals.....	657,321	\$463,689
Princeton		
Salmon.....	336,482	\$245,883
Market crab.....	43,909	17,590
California halibut.....	39,959	11,652
Abalone.....	24,949	10,536
Petrale sole.....	23,870	3,900

TABLE 17
Value of Landings by Port, San Francisco Area, 1971

TABLE 17—Continued
Value of Landings by Port, San Francisco Area, 1971 *—Continued

	Pounds	Value
Princeton—Continued		
Rockfish.....	24,129	\$2,039
Lingcod.....	12,524	1,037
All other species.....	46,301	3,996
Port totals.....	552,123	\$296,633
Clear Lake		
Sacramento blackfish.....	317,266	\$104,000
Carp.....	267,843	36,373
Port totals.....	585,109	\$140,373
Tomales Bay		
Eastern oyster.....	13,852	\$40,725
Giant Pacific oyster.....	29,030	25,255
Pacific herring.....	11,746	4,158
Smelt.....	7,799	1,008
All other species.....	8,303	905
Port totals.....	70,730	\$72,051
Berkeley		
Salmon.....	17,796	\$12,977
Frog.....	4,614	2,590
Market crab.....	3,063	1,227
All other species.....	6,146	2,653
Port totals.....	31,619	\$19,447
Richmond		
Perch.....	23,659	\$8,433
Market crab.....	2,816	1,128
Salmon.....	1,456	1,053
All other species.....	3,722	402
Port totals.....	31,653	\$11,016
All other ports		
Crayfish.....	136,829	\$54,540
Longjaw mudsucker.....	1,948	3,766
Frog.....	3,832	2,109
All other species.....	11,353	3,691
Totals.....	153,962	\$64,106
SAN FRANCISCO AREA TOTALS.....	18,215,126	\$4,891,532

* Includes Sacramento area landings.

TABLE 17
Value of Landings by Port, San Francisco Area, 1971

TABLE 18
Value of Landings by Port, Monterey Area, 1971

	Pounds	Value
Moss Landing		
Albacore.....	7,735,401	\$2,281,943
Salmon.....	217,296	151,863
Squid.....	1,984,625	61,126
Anchovy.....	2,341,640	29,036
Pacific herring.....	207,550	11,332
English sole.....	88,089	9,461
Rockfish.....	77,493	9,248
Petrale sole.....	52,107	8,905
Jack mackerel.....	79,189	4,720
Sanddab.....	37,622	3,672
Lingcod.....	28,722	3,171
Sablefish.....	43,440	2,845
Smelt.....	18,843	2,599
White croaker.....	16,775	1,171
Dover sole.....	18,470	1,160
All other species.....	49,955	4,561
Port totals.....	12,997,097	\$2,586,813
Monterey		
Albacore.....	2,555,857	\$753,978
Squid.....	14,661,798	451,583
Rockfish.....	2,295,949	198,039
Sablefish.....	1,151,637	75,432
Petrale sole.....	187,210	31,994
English sole.....	223,584	24,013
Lingcod.....	196,907	21,738
Salmon.....	30,128	21,393
Rex sole.....	106,965	11,606
Spot prawn.....	11,747	11,263
California halibut.....	25,212	8,708
White croaker.....	72,186	5,038
Jack mackerel.....	84,484	5,035
Sanddab.....	50,401	4,919
Perch.....	27,984	4,819
Dover sole.....	41,265	2,591
Anchovy.....	67,400	836
All other species.....	69,794	4,329
Port totals.....	21,860,508	\$1,637,314
Santa Cruz		
Salmon.....	23,378	\$16,514
Albacore.....	44,612	13,160
California halibut.....	19,792	6,836
Lingcod.....	38,670	4,269
Rockfish.....	24,931	2,682
Pacific pompano.....	3,786	2,129
Flounder.....	16,600	1,774
All other species.....	29,959	2,800
Port totals.....	201,728	\$50,164
All other ports		
Frog.....	1,420	\$1,619
Totals.....	1,420	\$1,619
MONTEREY AREA TOTALS.....	35,060,753	\$4,275,910

TABLE 18
Value of Landings by Port, Monterey Area, 1971

TABLE 19
Value of Landings by Port, Santa Barbara Area, 1971

	Pounds	Value
Morro Bay		
Albacore.....	3,205,012	\$946,120
Abalone.....	191,487	71,218
Rockfish.....	810,797	67,142
Giant Pacific oyster.....	74,074	64,444
Salmon.....	39,592	29,884
Lingcod.....	145,499	14,463
Petrale sole.....	84,822	13,953
California halibut.....	12,902	5,274
Spiny lobster.....	2,341	3,196
English sole.....	30,845	2,967
White seabass.....	5,662	2,124
Miscellaneous (animal food).....	94,650	1,893
Perch.....	6,536	1,732
Rex sole.....	13,735	1,571
Rock crab.....	16,374	1,482
Market crab.....	2,433	1,159
All other species.....	23,266	2,162
Port totals.....	4,760,027	\$1,230,784
Santa Barbara		
Abalone.....	1,070,397	\$387,668
Rockfish.....	809,574	63,390
Spiny lobster.....	39,255	53,595
White seabass.....	120,222	48,095
Petrale sole.....	204,237	33,597
Pacific bonito.....	423,601	33,422
English sole.....	297,175	28,588
California halibut.....	44,985	18,390
Rock crab.....	129,422	11,713
Swordfish.....	19,276	10,384
Miscellaneous (animal food).....	359,550	7,191
Lingcod.....	36,175	3,596
Rex sole.....	30,810	3,525
Salmon.....	4,625	3,421
Shark.....	16,017	2,053
Albacore.....	3,679	1,086
All other species.....	33,144	2,242
Port totals.....	3,642,144	\$708,956
Port Hueneme		
Anchovy.....	19,718,380	\$268,170
Squid.....	6,683,735	96,914
Jack mackerel.....	2,295,898	91,836
California halibut.....	34,983	14,301
Pacific bonito.....	176,180	13,901
Abalone.....	6,121	2,287
Turbot.....	18,547	1,469
Shark.....	8,130	1,053
All other species.....	9,842	2,392
Port totals.....	28,951,816	\$492,323
Avila		
Albacore.....	192,850	\$56,929
Abalone.....	112,269	41,899
Salmon.....	55,730	40,205
Rockfish.....	279,820	22,376
Petrale sole.....	120,678	19,852
White seabass.....	38,090	14,288
English sole.....	80,015	7,697
Lingcod.....	44,183	4,392
Sand sole.....	29,796	4,168
California halibut.....	9,888	4,030

TABLE 19
Value of Landings by Port, Santa Barbara Area, 1971

TABLE 19—Continued
Value of Landings by Port, Santa Barbara Area, 1971—continued

	Pounds	Value
Avila—Continued		
Miscellaneous (animal food).....	119,627	\$2,392
Flounder.....	14,620	1,453
Swordfish.....	2,653	1,429
Perch.....	4,476	1,234
All other species.....	34,456	3,785
Port totals.....	1,139,121	\$226,129
Oxnard and Ventura		
Spiny lobster.....	36,068	\$19,244
California halibut.....	31,470	12,864
Abalone.....	21,052	6,656
Swordfish.....	5,823	3,137
Rockfish.....	14,101	2,006
Shark.....	13,591	1,725
All other species.....	20,464	2,743
Port totals.....	142,569	\$78,375
SANTA BARBARA AREA TOTALS.....	38,635,677	\$2,736,567

TABLE 19
Value of Landings by Port, Santa Barbara Area, 1971

TABLE 20
Value of Landings and Shipments by Port, Los Angeles Area, 1971

	Pounds	Value
Terminal Island		
Landings:		
Yellowfin tuna.....	122,197,011	\$25,465,857
Skipjack tuna.....	78,011,516	14,338,517
Bluefin tuna.....	10,095,500	2,100,874
Albacore.....	6,354,357	2,002,862
Jack mackerel.....	48,264,759	1,945,070
Pacific bonito.....	15,320,207	1,395,671
Anchovy.....	64,827,700	732,553
Bigeye tuna.....	1,586,754	332,907
Squid.....	1,319,675	24,282
Pacific mackerel.....	124,086	5,844
Total landings.....	348,101,495	\$48,344,437
Shipments:*		
Albacore.....	29,817,213	\$11,014,478
Skipjack tuna.....	48,399,956	10,773,830
Yellowfin tuna.....	15,522,346	4,267,093
Bluefin tuna.....	2,461,977	645,776
Bigeye tuna.....	65,019	15,143
Black skipjack tuna.....	50,800	4,277
Total shipments.....	96,317,311	\$26,720,507
Port totals.....	444,418,806	\$75,065,034
San Pedro		
Landings:		
Abalone.....	880,004	\$245,149
Jack mackerel.....	5,385,391	217,031
Pacific bonito.....	1,790,352	163,104
Bluefin tuna.....	785,540	163,055
White seabass.....	394,210	153,387
Squid.....	6,850,700	126,218
Rockfish.....	342,537	69,249
Spiny lobster.....	44,092	62,011
Yellowfin tuna.....	248,774	51,844
Pacific Pompano.....	175,693	40,655
California yellowtail.....	330,124	37,370
Sardine.....	163,686	35,160
Rock crab.....	241,631	34,553
California halibut.....	78,522	30,466
Giant sea bass.....	104,343	23,936
Flyingfish.....	158,415	23,699
Swordfish.....	43,667	22,047
Anchovy.....	1,863,350	21,056
Shark.....	116,412	16,572
White croaker.....	226,978	16,370
Albacore.....	39,810	12,548
Smelt.....	107,817	5,785
California barracuda.....	8,737	2,928
Petrale sole.....	16,235	2,760
Halfmoon.....	8,351	2,081
Perch.....	10,093	2,046
Pacific mackerel.....	29,434	1,386
All other species.....	65,398	4,722
Port totals.....	20,517,326	\$1,587,188
Wilmington		
Landings:		
Jack mackerel.....	3,761,477	\$151,588
Anchovy.....	426,128	4,815
All other species.....	5,733	105
Total landings.....	4,193,338	\$156,508

TABLE 20
Value of Landings and Shipments by Port, Los Angeles Area, 1971

TABLE 20—Continued
Value of Landings and Shipments by Port, Los Angeles Area, 1971—Continued

	Pounds	Value
Shipments:*		
All other species.....	5,000	\$421
Total shipments.....	5,000	\$421
Port totals.....	4,198,338	\$156,929
Long Beach		
Landings:		
Spiny lobster.....	18,259	\$25,679
Rockfish.....	55,366	12,770
Anchovy.....	138,196	1,562
Swordfish.....	2,644	1,335
All other species.....	11,585	2,464
Port totals.....	226,050	\$43,810
Newport Beach		
Landings:		
White seabass.....	21,812	\$8,487
Rockfish.....	30,956	6,853
Spiny lobster.....	3,300	4,641
Swordfish.....	6,983	3,526
Albacore.....	8,458	2,666
All other species.....	5,534	580
Port totals.....	77,043	\$26,753
Redondo Beach		
Landings:		
Rock crab.....	118,534	\$16,950
Spiny lobster.....	1,473	2,072
All other species.....	2,714	515
Port totals.....	122,721	\$19,537
Santa Monica		
Landings:		
Rockfish.....	20,727	\$3,474
White seabass.....	5,355	2,084
Spiny lobster.....	1,028	1,446
All other species.....	2,717	640
Port totals.....	29,827	\$7,644
All other ports		
Landings:		
Spiny lobster.....	5,401	\$7,596
Abalone.....	3,681	1,270
All other species.....	10,555	1,695
Totals.....	19,637	\$10,561
LOS ANGELES AREA TOTALS.....	469,609,748	\$76,917,456

* Beginning in 1965 only tuna shipments are recorded.

TABLE 20
Value of Landings and Shipments by Port, Los Angeles Area, 1971

TABLE 21
Value of Landings and Shipments by Port, San Diego Area, 1971

	Pounds	Value
San Diego		
Landings:		
Yellowfin tuna.....	28,495,200	\$5,924,152
Skipjack tuna.....	23,362,342	4,289,326
Pacific bonito.....	2,506,651	231,659
Albacore.....	5,892,626	1,847,928
Bluefin tuna.....	6,371,850	1,274,370
Abalone.....	627,567	184,232
White seabass.....	222,529	95,376
Spiny lobster.....	65,395	86,656
Rockfish.....	346,048	73,585
Bigeye tuna.....	219,254	45,714
Swordfish.....	72,627	43,859
Sculpin.....	129,016	41,324
Sardine.....	134,200	33,550
Shark.....	147,860	28,117
California yellowtail.....	53,588	6,650
Giant sea bass.....	11,451	3,047
California halibut.....	6,513	3,023
California barracuda.....	7,172	2,230
Perch.....	9,857	2,051
Rock crab.....	14,123	1,994
Haliboot.....	6,758	1,581
All other species.....	22,992	2,407
Total landings.....	68,727,199	\$14,222,791
Shipments:*		
Skipjack tuna.....	5,164,554	\$1,167,706
Albacore.....	2,196,642	783,762
Yellowfin tuna.....	1,901,342	502,144
Bluefin tuna.....	115,088	23,018
Total shipments.....	9,377,626	\$2,476,630
Port totals.....	78,104,825	\$16,699,421
Oceanside		
Landings:		
Spiny lobster.....	8,117	\$10,989
Shark.....	52,035	9,865
Rockfish.....	31,041	6,648
White seabass.....	10,369	4,444
California halibut.....	5,750	2,668
Albacore.....	6,368	1,997
Haliboot.....	5,838	1,366
All other species.....	26,911	4,198
Port totals.....	146,429	\$42,175
All other ports		
All other species.....	1,506	\$957
Totals.....	1,506	\$957
SAN DIEGO AREA TOTALS.....	78,262,760	\$16,742,553

* Beginning in 1965 only tuna shipments are recorded.

TABLE 21
Value of Landings and Shipments by Port, San Diego Area, 1971

TABLE 22
Statewide Commercial Partyboat Catch by Species
(Not including anchored barges)
1962-1971 *

Species	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971
Barracuda, California.....	335,507	483,699	303,070	443,304	892,697	470,480	372,246	358,518	373,801	50,474
Bass, strip and sand.....	789,149	1,219,344	1,103,394	1,230,313	1,278,939	1,003,914	1,317,963	1,246,175	922,269	948,121
Bonito, Pacific.....	708,723	775,719	1,208,804	890,222	644,415	399,052	1,102,636	1,139,241	681,888	182,785
Cabron.....	4,838	9,726	6,491	7,575	10,293	5,419	4,349	4,583	6,372	4,611
Halibut, California.....	118,969	155,969	141,465	115,213	88,729	65,382	84,663	27,634	29,968	10,368
Linecod.....	25,399	27,513	25,263	33,260	44,676	43,559	42,440	32,663	61,833	63,239
Macereel, jack.....	9,029	9,542	6,577	25,619	19,027	16,536	15,888	11,272	15,725	10,611
Macereel, Pacific.....	116,738	149,580	101,219	131,386	205,999	108,366	78,633	120,006	129,770	221,223
Rockfish.....	950,438	982,639	966,801	1,347,439	1,688,718	1,804,057	2,102,859	1,678,981	2,665,882	2,222,543
Salmon.....	87,612	72,457	92,021	81,677	70,151	81,946	127,584	111,389	98,301	130,812
Sculpin.....	33,314	53,896	73,844	71,888	69,851	63,280	59,863	63,011	82,222	81,913
Seaham, white.....	14,564	19,860	14,001	9,773	3,972	3,283	4,138	4,056	4,359	5,265
Sheepshead, California.....	13,488	18,413	29,822	41,551	52,667	42,676	33,075	49,626	39,464	38,300
Tuna, albacore.....	229,314	158,272	112,338	99,771	74,683	66,467	129,710	48,867	112,106	169,291
Tuna, bluefin.....	2,433	737	693	92	1,998	3,166	1,231	1,470	1,833	749
Whitefish, ocean.....	6,157	6,291	6,949	13,810	15,587	18,184	22,155	36,474	40,990	29,800
Yellowtail, California.....	21,826	45,763	39,104	18,367	80,153	31,262	58,049	79,262	97,576	44,668
All others.....	92,779	142,630	114,400	163,595	166,470	145,073	205,410	421,327	298,375	421,729
Total number of fish.....	3,655,993	4,276,502	4,434,176	4,634,558	5,408,420	4,444,164	5,731,201	5,725,575	5,630,835	4,604,152
Number of anglers.....	595,896	643,155	695,445	688,103	857,000	780,102	849,654	802,811	873,327	728,126

* See Fish Bulletin No. 121 for historical records 1936-1961.

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TABLE 22
Statewide Commercial Partyboat Catch by Species (Not including anchored barges) 1962-1971

TABLE 23
Inshore Bait Landings by Area
Pounds and Value
1971

Species	Sacramento	San Francisco and Monterey	Los Angeles	San Diego	Statewide*
Clam					
Freshwater.....	525,568	----	----	----	525,568
Gaper.....	\$44,834	----	----	----	\$44,834
Jacknife.....	----	----	40,561	10,411	50,972
Pencil.....	----	----	\$25,921	\$5,929	\$31,850
Purple.....	----	----	55	9,788	9,843
Shore.....	----	----	\$28	\$4,664	\$4,692
Crab					
Sand.....	----	----	8,317	----	8,317
Shore.....	----	----	\$25,017	----	\$25,017
Killifish.....	----	----	----	----	3
Mudsucker, longjaw.....	----	----	----	----	\$43
Mussel (bay and rock).....	----	----	89,289	10,047	99,336
Sculpin, staghorn.....	1,024	472	\$10,784	\$1,200	\$11,984
Shrimp					
Bay.....	43,090	14,732	----	----	57,822
Brine.....	\$61,398	\$20,463	----	----	\$81,861
Ghost.....	----	----	5,441	2,140	7,581
Red.....	----	----	\$25,869	\$8,614	\$34,483
Total.....	----	----	2,440	----	2,440
Total.....	----	----	\$3,790	----	\$3,790
Total.....	569,682	15,204	146,103	32,386	864,968
	\$109,536	\$22,238	\$91,409	\$20,407	\$396,354

* Some figures are reported statewide only to avoid revealing the business of an individual in an area.

TABLE 23
Inshore Bait Landings by Area Pounds and Value 1971

TABLE 24
Recorded Catch of Live Bait for Saltwater Sportfishing 1967-1971

Species	Thousands of pounds*				
	1967	1968	1969	1970	1971
Anchovy.....	10,774	14,353	10,627	12,210	12,774
Mackerel, jack.....	----	158	103	----	9
Mackerel, Pacific.....	----	----	8	----	1
Sardine, adult.....	1	57	34	----	----
Sardine, juvenile.....	T	----	----	6	T
Squid.....	----	23	9	----	10
Miscellaneous†.....	22	57	----	4	----
Total pounds.....	10,797	14,648	10,781	12,220	12,794
Number of vessels‡.....	16	19	10	11	14

* 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 1967-1971

TABLE 25
California Ocean Recreational Salmon Landings and Success¹ by Fishery, Port, Month and Species, in Numbers of Fish—1971

	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	a	1	7	a	0	0	a	0	0	a	5	24	0.5	51	198	0.9
Skiff.....	--	--	a	--	--	a	--	--	a	--	--	a	302	300	0.7	638	942	0.5
Eureka																		
Partyboat.....	0	0	a	0	0	a	20	15	a	80	55	a	473	319	0.9	729	2,048	1.6
Skiff.....	--	--	a	--	--	a	--	--	a	--	--	a	4,487	2,922	0.7	8,479	15,193	1.4
Fort Bragg																		
Partyboat.....	0	0	a	0	0	a	2	28	a	14	150	a	79	833	1.3	419	3,879	2.5
Skiff.....	--	--	a	--	--	a	--	--	a	--	--	a	193	1,066	0.9	495	3,891	0.8
San Francisco																		
Partyboat.....	6,588	0	0.8	23,140	63	2.3	9,023	2,607	1.1	6,176	1,129	1.0	5,911	2,354	1.1	15,177	2,399	1.8
Skiff.....	2,387	0	1.1	13,824	36	2.3	3,101	283	0.8	2,104	283	0.4	1,805	671	0.7	4,909	1,413	1.1
Monterey																		
Partyboat.....	321	0	b	537	0	b	396	0	b	285	0	b	81	0	b	37	0	b
Skiff.....	2,325	0	0.7	1,885	0	0.3	2,921	32	0.8	1,535	485	0.5	1,040	909	0.3	1,296	814	0.6
Statewide																		
Partyboat.....	6,910	0	0.8	23,678	70	2.3	9,351	2,650	1.1	6,555	1,334	1.0	6,519	3,230	1.1	16,419	8,545	1.8
Skiff.....	4,712	0	0.8	15,709	36	1.3	5,122	318	0.8	3,759	768	0.5	7,577	5,198	0.6	15,897	23,193	1.1

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TABLE 25
California Ocean Recreational Salmon Landings and Success by Fishery, Port, Month and Species, in Numbers of Fish—1971

TABLE 25—Continued
California Ocean Recreational Salmon Landings and Success¹ by Fishery, Port, Month and Species, in Numbers of Fish—1971—Continued

	August			September			October			November			December			Season		
	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.....	23	285	0.5	0	36	0.2	0	0	a	0	0	a	0	0	a	80	550	0.5
Skiff.....	412	2,262	0.1	38	145	0.4	--	--	a	--	--	a	--	--	a	1,440	3,679	0.7
Eureka																		
Partyboat.....	362	996	0.4	49	257	1.7	6	37	a	0	2	a	0	0	a	1,716	3,729	0.8
Skiff.....	3,258	6,002	0.7	111	514	0.7	--	--	a	--	--	a	--	--	a	16,335	27,331	1.0
Fort Bragg																		
Partyboat.....	221	2,653	1.4	64	364	0.7	0	0	a	0	0	a	0	0	a	769	8,207	1.7
Skiff.....	866	3,107	0.8	20	313	0.8	--	--	a	--	--	a	--	--	a	1,574	8,287	0.8
San Francisco																		
Partyboat.....	24,685	991	1.0	7,107	78	0.7	3,710	20	0.4	1,847	10	a	0	0	a	103,172	9,942	1.1
Skiff.....	9,676	943	1.2	2,775	74	0.6	1,167	4	0.5	929	0	1.0	0	0	a	42,707	3,712	1.0
Monterey																		
Partyboat.....	20	0	b	18	0	b	694	0	b	345	0	a	0	0	a	2,617	0	b
Skiff.....	1,630	92	0.5	888	52	0.4	3,546	0	0.4	1,555	0	0.7	0	0	a	17,831	1,984	0.5
Statewide																		
Partyboat.....	25,121	5,225	1.0	7,238	735	0.7	4,410	57	0.4	2,192	12	a	0	0	a	108,384	22,428	1.1
Skiff.....	15,842	12,406	0.8	3,832	1,098	0.5	4,743	4	0.4	2,484	0	0.8	0	0	a	79,887	44,993	0.8

¹ Salmon per angler-day, species combined. ^a No sampling. ^b Data not comparable to that of other ports or months.

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TABLE 25
California Ocean Recreational Salmon Landings and Success by Fishery, Port, Month and Species, in Numbers of Fish—1971

TABLE 26
California Commercial Troll Salmon Landings by Port-Area, Month and Species,
in Pounds¹ and Numbers—1971

	April		May		June		July		August		September		Season	
	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers	Pounds	Numbers
Crescent City														
King.....	0	0	53,971	6,268	396,239	39,339	48,620	7,218	16,800	1,455	2,004	143	517,454	54,420
Silver.....	0	0	3,640	778	134,096	24,411	462,342	66,540	39,442	3,193	3,379	296	639,868	92,308
Pink.....	0	0	0	0	504	95	5,067	851	35	6	0	0	5,607	952
Eureka														
King.....	10	1	279,509	32,275	618,528	58,169	382,928	41,710	68,355	7,198	9,859	1,128	1,359,289	149,449
Silver.....	0	0	8,917	1,774	294,666	50,468	454,173	66,993	105,164	12,749	4,055	324	866,975	132,299
Pink.....	0	0	12	3	231	45	278	42	0	0	0	0	521	90
Fort Bragg														
King.....	0	0	175,737	15,134	271,145	25,185	410,176	32,145	151,838	12,169	10,944	735	1,019,641	88,359
Silver.....	0	0	9,917	1,992	329,618	51,454	547,251	67,410	324,889	35,135	20,403	2,482	1,231,275	158,473
Pink.....	0	0	0	0	209	44	511	79	0	0	0	0	750	123
San Francisco														
King.....	985	74	247,071	22,453	286,968	20,215	584,851	40,093	437,024	33,744	129,754	9,176	1,689,653	128,755
Silver.....	0	0	7,085	1,429	90,196	12,896	233,799	26,256	79,329	8,420	15,657	1,723	425,886	50,724
Pink.....	0	0	12	3	22	4	222	30	0	0	0	0	237	37
Monterey														
King.....	2,424	252	116,218	9,355	81,708	6,662	88,877	6,539	34,808	613	18,554	1,493	342,589	24,944
Silver.....	0	0	1,273	242	8,564	1,316	8,737	1,017	6,391	697	2,911	215	28,195	3,409
Pink.....	0	0	0	0	0	0	87	15	0	0	0	0	87	15
Statewide														
King.....	3,419	327	872,506	88,518	1,654,809	149,567	1,515,452	127,705	708,625	55,138	171,213	12,675	4,035,526	433,927
Silver.....	0	0	39,841	6,215	837,940	140,545	1,706,432	230,210	542,012	60,093	49,603	5,033	3,153,850	442,104
Pink.....	0	0	24	6	967	188	6,195	1,017	36	6	0	0	7,222	1,217

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¹ Dressed, head on.

TABLE 26
California Commercial Troll Salmon Landings by Port-Area, Month and Species, in Pounds and Numbers—1971