

# UC San Diego

## Fish Bulletin

### Title

Fish Bulletin 173. California Marine Fish Landings For 1977 - 1986

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**STATE OF CALIFORNIA  
THE RESOURCES AGENCY  
DEPARTMENT OF FISH AND GAME  
FISH BULLETIN 173  
California Marine Fish Landings For 1977 – 1986**



by  
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and  
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1990

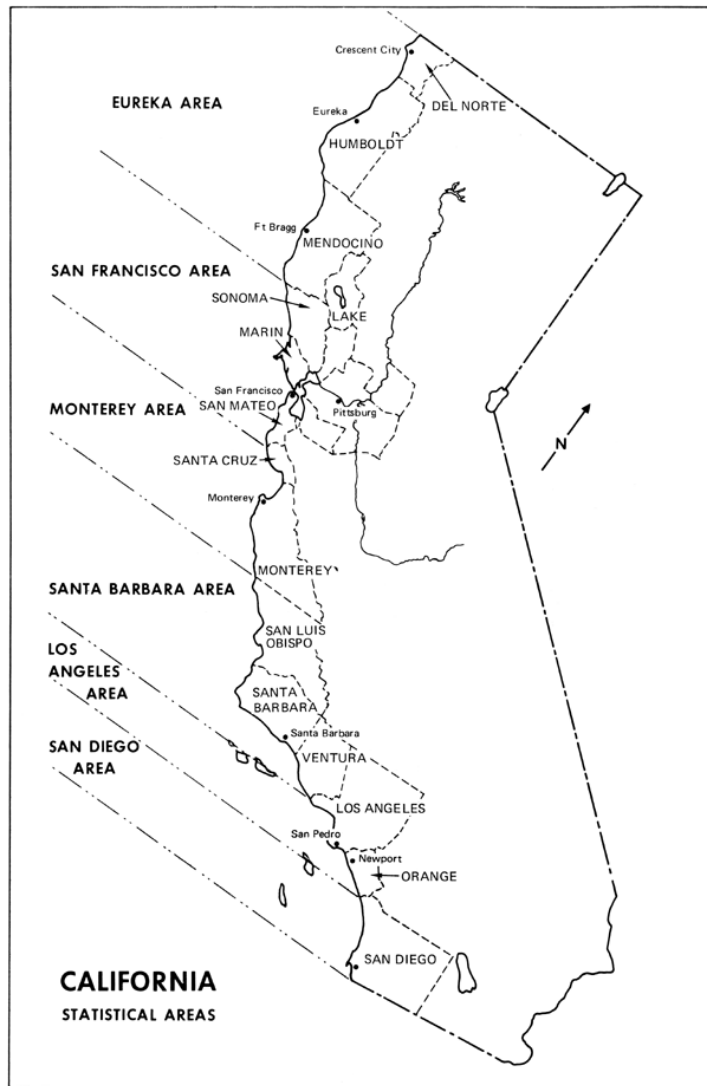


FIGURE 1. Geographical areas used to summarize California fisheries statistics.

*FIGURE 1. Geographical areas used to summarize California fisheries statistics*

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## 2. ERRATA

ERRATA for Fish Bulletin 173  
Table 11. Page 41 and 43.

Insert the following line of Rockfish, group rosefish at top of page 41.

Rockfish, Group Rosefish	407,418	459,939	381,748	89,967	4,686	-	1,343,758
	\$89,351	\$99,468	\$62,880	\$18,316	\$1,229	-	\$271,244

ON PAGE 43;

Total pounds under Los Angeles Area should be 237,651,574 (replaces 243,403,929).

Total pounds Total should be 445,096,644 (replaces 450,848,999).

Grand total pounds under Los Angeles Area should be 276,643,149 (replaces 282,395,504).

Grand total pounds Total should be 490,543,625 (replaces 496,295,980).

*Errata for Fish Bulletin 173  
Table 11. Page 41 and 43*

## 3. INTRODUCTION

Landing bulletins provide basic catch records of amounts and values of marine resources taken by California's commercial fisheries plus summarizations of catches by the passenger-carrying fishing industry. These figures are of local, national, and international significance to those interested in the wise utilization and management of California's living marine resources.

This report for 1977 through 1986 is the 37th in a series stemming from the first gathering of commercial fisheries landing data by the California Department of Fish and Game in 1916 and the subsequent first publication of these catch data in 1929 for the years 1926 and 1927.

California's fishery statistics are based on a system where fish dealers, processors, and operators of passenger-carrying fishing vessels send duplicate copies of their landing records to the department. Fish Bulletin 86 (Bureau of Marine Fisheries 1952), which reported the catch for 1950, describes fully the system and methods used in collecting commercial fish records. Basic principles remain the same today as then, although some methods and equipment have changed. Young (1969) described the passenger-carrying vessel industry in Fish Bulletin 145.

Credit for this publication is due largely to the cooperative efforts of the fishing industry, wholesale fish dealers, fishermen, canners, processors, and Department personnel responsible for the market receipt system who have, through their efforts, provided the most accurate statistics possible. The utmost appreciation is extended to this large group of people without which this publication would not be possible.

## 4. EXPLANATION OF TABLES

Tables in this bulletin summarize statistics of the various fishery operations in California from 1977 through 1986.

For the 10-year period this series of reports gives: commercial fish landings and value by area, imports of tuna (shipments) from other states or countries destined for processing in California, and Commercial Passenger Fishing Vessel (CPFV or partyboat) catches. Numbers of licensed commercial fishermen and registered fishing vessels are also reported. The commercial fish landings and shipments (imports) are combined in the tables for each year.

During the 10-year period of this report most of the major tuna canneries ceased their California operations, thus the sharp decline in shipment totals in the 1984-1985 period. The landings, shipments, and value tables are comparable to Table 15 in Oliphant (1979) and continue the data series of this table dating back to 1959.

Tables of the CPFV (partyboat) catches are comparable to Table 22 in Fish Bulletin 121 (Biostatistical Section, Marine Resources Operations 1963) which summarizes data back to 1936 and is continued in each year's catch bulletin up to 1976. This 10-year report will further continue the Table 22 data series of partyboat catches through 1986.

Statistics presented in this publication do not encompass all marine fishing activities in California since not all of these functions are reported to us. For example, recreational fishing from private boats or from shore is not reported, nor is the quantity of fish imported for use in a fresh state compiled.

Landing and shipment data in these reports are listed in pounds. To convert these values to metric, the following factors are provided:

1 pound = 453.59 grams

1 pound = 0.454 kilograms

1 ton (net or short) = 0.907 metric ton

#### **4.1. Statistical Areas**

California is divided into six areas for the purpose of reporting fisheries statistics (Figure 1). Each statistical area is named for a major port within its boundaries.

#### **4.2. Species**

The common and scientific names of species reported here are mostly those designated by the Department in Gates and Frey (1974) or in general common usage. Some species are reported only collectively when, for economic or other reasons, their separation is not practical (Table 1).

#### **4.3. 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. When the price paid for an individual landing is not specified, the average price paid for the species in the area is used.

#### **4.4. Source of data**

Data concerning each commercial landing 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 must provide data concerning the species, weight, and price paid to the

fisherman. 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 may be reported.

Catch data for commercial passenger-carrying fishing vessels are obtained from logs completed by the boat operator. The required log for each trip indicates the number of each species taken, number of anglers on board, 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.

Clerical personnel at field offices in Eureka, Menlo Park, Long Beach, and San Diego maintain contact with fish dealers, local Fish and Game wardens, and field biologists 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.

## **5. LITERATURE CITED**

Biostatistical Section, Marine Resources Operations. 1963. The California marine fish catch for 1961. Calif. Dept. Fish and Game, Fish Bull., 121:1-56.

Bureau of Marine Fisheries. 1952. The commercial fish catch of California for the year 1950. Calif. Dept. Fish and Game, Fish Bull., 86:1-73.

Gates, Doyle E., and Herbert W. Frey. 1974. Designated common names of certain marine organisms of California. Calif. Dept. Fish and Game, Fish Bull., 161:55-90.

Oliphant, M. S. 1979. California marine fish landings for 1976. Calif. Dept. Fish and Game, Fish Bull., 170:1-56.

Young, Parke H. 1969. The California partyboat fishery 1947-1967. Calif. Dept. Fish and Game, Fish Bull., 145:1-91.

# TABLES

**TABLE 1. Common and Scientific Names of Species Reported in the 1977-1986 Catch**

Common name	Scientific name
<b>FISHES</b>	
Anchovy, northern	<i>Engraulis mordax</i>
Barracuda, California	<i>Sphyraena argentea</i>
<b>Bass</b>	
Barred sand	<i>Paralabrax nebulifer</i>
Giant sea	<i>Stereolepis gigas</i>
Kelp	<i>Paralabrax clathratus</i>
Spotted sand	<i>Paralabrax maculatofasciatus</i>
Blacksmith	<i>Chromis punctipinnis</i>
Bonito, Pacific	<i>Sarda chiliensis</i>
Butterfish, Pacific	<i>Peprilus simillimus</i>
Cabezon	<i>Scorpaenichthys marmoratus</i>
Croaker, white	<i>Genyonemus lineatus</i>
Dolphinfish	<i>Coryphaena hippurus</i>
Eel	<i>Anarrhichthys ocellatus</i> and <i>Gymnothorax mordax</i>
<b>Flounder</b>	
Arrowtooth	<i>Atheresthes stomias</i>
Miscellaneous	Family Pleuronectidae
Starry	<i>Platichthys stellatus</i>
Flyingfish	<i>Cypselurus californicus</i>
Grenadier	<i>Albatrossia pectoralis</i> and <i>Coryphaenoides acrolepis</i>
<b>Groupers</b>	
Group	<i>Mycteroperca</i> spp.
Guitarfish, shovelnose	<i>Rhinobatos productus</i>
Hake, Pacific	<i>Merluccius productus</i>
Halfmoon	<i>Medialuna californiensis</i>
<b>Halibut</b>	
California	<i>Paralichthys californicus</i>
Pacific	<i>Hippoglossus stenolepis</i>
Herring, Pacific	<i>Clupea pallasii</i>
Lingcod	<i>Ophiodon elongatus</i>
Louvar	<i>Luvarus imperialis</i>
<b>Mackerel</b>	
Jack	<i>Trachurus symmetricus</i>
Pacific	<i>Scomber japonicus</i>
Mullet, striped	<i>Mugil cephalus</i>
Opah	<i>Lampris guttatus</i>
Opaleye	<i>Girella nigricans</i>
Queenfish	<i>Seriplus politus</i>
<b>Rockfish</b>	
Blackgill	<i>Sebastes melanostomus</i>
Group, bocaccio/chilipepper	<i>Sebastes paucispinis</i> and <i>Sebastes goodei</i>
Group, red	<i>Sebastes miniatus</i> and other "red" species
Group, rosefish	<i>Sebastes diploproa</i> and <i>Sebastes aurora</i>

TABLE 1. Common and Scientific Names of Species Reported in the 1977-1986 Catch

TABLE 1. (continued) Common and Scientific Names of Species Reported in the 1977-1986 Catch

Common name	Scientific name
Rockfish	
Miscellaneous . . . . .	<i>Sebastes</i> spp.
Widow . . . . .	<i>Sebastes entomelas</i>
Sablefish . . . . .	<i>Anoplopoma fimbria</i>
Salmon	
King . . . . .	<i>Oncorhynchus tshawytscha</i>
Pink . . . . .	<i>Oncorhynchus gorbuscha</i>
Silver . . . . .	<i>Oncorhynchus kisutch</i>
Sanddab, Pacific . . . . .	<i>Citharichthys sordidus</i>
Sardine, Pacific . . . . .	<i>Sardinops sagax caeruleus</i>
Sculpin . . . . .	<i>Scorpaena guttata</i>
Seabass, white . . . . .	<i>Atractoscion nobilis</i>
Shark	
Bigeye thresher . . . . .	<i>Alopias superciliosus</i>
Bonito . . . . .	<i>Isurus oxyrinchus</i>
Common thresher . . . . .	<i>Alopias vulpinus</i>
Leopard . . . . .	<i>Triakis semifasciata</i>
Miscellaneous . . . . .	Families Alopiidae, Carcharhinidae, Lamnidae, and Squalidae
Pacific angel . . . . .	<i>Squatina californica</i>
Soupin . . . . .	<i>Galeorhinus zyopterus</i>
Sheephead, California . . . . .	<i>Semicossyphus pulcher</i>
Skates and rays . . . . .	Families Rhinobatidae, Rajidae, and Myliobatidae
Smelt	
Top or jack . . . . .	Family Atherinidae
True . . . . .	Family Osmeridae
Whitebait . . . . .	<i>Allosmerus elongatus</i>
Sole	
Butter . . . . .	<i>Isopsetta isolepis</i>
Dover . . . . .	<i>Microstomus pacificus</i>
English . . . . .	<i>Parophrys vetulus</i>
Petrale . . . . .	<i>Eopsetta jordani</i>
Rex . . . . .	<i>Glyptocephalus zachirus</i>
Rock . . . . .	<i>Lepidopsetta bilineata</i>
Sand . . . . .	<i>Psettichthys melanostictus</i>
Surfperch . . . . .	Family Embiotocidae
Swordfish . . . . .	<i>Xiphias gladius</i>
Thornyhead . . . . .	<i>Sebastolobus</i> spp.
Tuna	
Albacore . . . . .	<i>Thunnus alalunga</i>
Bigeye . . . . .	<i>Thunnus obesus</i>
Blackfin . . . . .	<i>Thunnus atlanticus</i>
Bluefin . . . . .	<i>Thunnus thynnus</i>
Skipjack . . . . .	<i>Katsuwonus pelamis</i>
Skipjack, black . . . . .	<i>Euthynnus lineatus</i>
Yellowfin . . . . .	<i>Thunnus albacares</i>

TABLE 1. Common and Scientific Names of Species Reported in the 1977-1986 Catch

TABLE 1. (continued) Common and Scientific Names of Species Reported in the 1977-1986 Catch

Common name	Scientific name
Turbot	
Curlfin . . . . .	<i>Pleuronichtys decurrens</i>
Diamond . . . . .	<i>Hypsopsetta guttulata</i>
Hornyhead . . . . .	<i>Pleuronichthys verticalis</i>
Wahoo . . . . .	<i>Acanthocybium solanderi</i>
Whitefish, ocean . . . . .	<i>Caulolatilus princeps</i>
Yellowtail . . . . .	<i>Seriola lalandi</i>
<b>CRUSTACEANS</b>	
Crab	
Dungeness . . . . .	<i>Cancer magister</i>
California king . . . . .	<i>Paralithodes</i> spp.
Rock . . . . .	<i>Cancer</i> spp.
Spider . . . . .	<i>Loxorhynchus</i> spp.
Lobster, California spiny . . . . .	<i>Panulirus interruptus</i>
Prawn	
Ridgeback . . . . .	<i>Sicyonia ingentis</i>
Spot . . . . .	<i>Pandalus platyceros</i>
Shrimp	
Bay . . . . .	<i>Crangon</i> spp. and <i>Palaemon macrodactylus</i>
Pacific ocean . . . . .	<i>Pandalus jordani</i>
<b>ECHINODERMS</b>	
Sea cucumber . . . . .	Class Holothuroidea
Sea urchin . . . . .	<i>Strongylocentrotus</i> spp.
<b>MOLLUSKS</b>	
Abalone	
Black . . . . .	<i>Haliotis cracherodii</i>
Green . . . . .	<i>Haliotis fulgens</i>
Pink . . . . .	<i>Haliotis corrugata</i>
Red . . . . .	<i>Haliotis rufescens</i>
Threaded . . . . .	<i>Haliotis assimilis</i>
White . . . . .	<i>Haliotis sorenseni</i>
Clam . . . . .	Miscellaneous marine bivalves
Mussel . . . . .	<i>Mytilus</i> spp.
Octopus . . . . .	<i>Octopus</i> spp.
Oyster	
Eastern . . . . .	<i>Crassostrea virginica</i>
Giant Pacific . . . . .	<i>Crassostrea gigas</i>
European flat . . . . .	<i>Ostrea edulis</i>
Scallop, weathervane . . . . .	<i>Patinopectin caurinus</i>
Snail, sea . . . . .	Miscellaneous marine gastropods
Squid	
Jumbo . . . . .	<i>Dosidicus gigas</i>
Market . . . . .	<i>Loligo opalescens</i>

TABLE 1. Common and Scientific Names of Species Reported in the 1977-1986 Catch

TABLE 2. Total Annual Landings and Shipments into California of Commercial Fish, Mollusks, and Crustaceans; Includes Sardine Deliveries to Reduction Ships, 1930-1938

Year	Thousands of pounds	Year	Thousands of pounds
1916	95,003	1951	904,114
1917	209,877	1952	694,996
1918	261,134	1953	618,919
1919	266,270	1954	713,410
1920	222,004	1955	710,713
1921	135,348	1956	772,551
1922	182,343	1957	738,550
1923	253,875	1958	832,919
1924	340,446	1959	713,423
1925	437,502	1960	694,663
1926	394,964	1961	725,253
1927	487,166	1962	663,107
1928	583,527	1963	592,899
1929	856,854	1964	591,131
1930	702,189	1965 <sup>a</sup>	544,480
1931	502,390	1966	591,533
1932	556,139	1967	589,028
1933	821,805	1968	567,214
1934	1,390,798	1969	672,793
1935	1,448,017	1970	798,415
1936	1,764,900	1971 <sup>b</sup>	687,995
1937	1,362,984	1972	845,699
1938	1,310,596	1973	1,006,431
1939	1,486,535	1974	938,118
1940	1,297,518	1975	979,826
1941	1,528,892	1976	1,047,761
1942	1,173,414	1977	1,045,147
1943	1,234,049	1978	918,035
1944	1,459,456	1979	849,554
1945	1,216,501	1980	1,010,527
1946	919,822	1981	971,959
1947	795,499	1982	846,765
1948	900,467	1983	649,602
1949	1,135,339	1984	496,296
1950	1,366,676	1985	367,012
		1986	422,585

a. Beginning in 1965, only tuna shipments are recorded.

b. Beginning in 1972, commercial freshwater fish landings are not included in these totals.

TABLE 2. Total Annual Landings and Shipments into California of Commercial Fish, Mollusks, and Crustaceans; Includes Sardine Deliveries to Reduction Ships, 1930-1938

**TABLE 3.\*** Number of Licensed Commercial Fishermen and Registered Fishing Boats

License year	Licensed commercial fishermen	Commercially registered fishing vessels
1976-77	14,948	7,268
1977-78	17,407	8,421
1978-79	20,298	9,654
1979-80	20,018	9,644
1980-81	20,363	9,229
1981-82	18,862	8,427
1982-83	19,176	8,173
1983-84	15,509	8,282
1984-85	14,383	7,660
1985-86	14,579	7,170
1986-87	14,558	6,992

\*These data are a parcel of those presented in Tables 4 and 5 of previous catch bulletins.

*TABLE 3. Number of Licensed Commercial Fishermen and Registered Fishing Boats*



TABLE 4A. Value of Landings and Shipments of Commercial Fish Into California by Area, 1977

Species	Eureka	San Francisco	Monterey	Santa Barbara	Los Angeles	San Diego	Total
<b>LANDINGS:</b>							
<b>Fish:</b>							
Anchovy, northern.....	-	508,772	17,693,580	29,562,600	175,187,124	1,258	222,953,334
Barracuda, California...	-	\$52,918	\$379,425	\$630,909	\$3,988,855	\$437	\$5,052,144
Bass, giant sea.....	-	-	-	82,498	\$32,091	\$2,680	\$37,269
Bonito, Pacific.....	-	-	-	1,133	30,874	17,356	49,363
Butterfish, Pacific....	100	-	32,444	13,213	8,774	1,443	55,974
Cabazon.....	\$7	1,836	\$29,760	\$5,542	\$3,582	\$686	\$39,577
Croaker, white.....	\$76	\$366	\$547	\$782	\$37	\$8	\$1,916
Dolphinfish.....	-	28,320	184,322	161,650	206,820	7,439	\$88,551
Flounder, arrowtooth...	-	\$8,584	\$26,816	\$49,082	\$26,153	\$2,670	\$113,305
Flounder, miscellaneous	222,300	-	-	26	342	10,154	10,646
Flyingfish.....	\$17,417	-	813	\$158	838	\$2,757	\$22,966
Grenadier.....	\$17,417	-	-	-	-	-	\$17,417
Grouper.....	\$62,879	\$70,478	\$18,497	\$7,641	\$18	\$4	\$159,517
Hake, Pacific.....	-	-	-	-	\$3,871	129	\$4,000
Halibut, California....	98,622	3,701	-	-	-	-	102,323
Herring, Pacific.....	\$6,373	\$269	-	-	5,768	1,761	\$8,642
Lingcod.....	-	-	-	-	\$1,443	-	7,529
Mackerel.....	80,936	10	1,158	4,704	5	\$1,009	\$86,813
Mullet, striped.....	\$4,064	\$5	\$23	\$835	\$2	-	\$4,929
Queenfish.....	-	-	-	10	31,474	9,236	40,720
Rockfish.....	-	-	-	81	\$11,390	\$3,602	\$14,993
Sablefish.....	293	40,517	14,913	296,072	74,566	41,501	467,862
Salmon.....	\$496	\$31,124	\$15,506	\$305,975	\$71,860	\$35,663	\$460,624
Shrimp, Pacific.....	45,281	11,440,822	167,177	-	-	-	11,653,280
Squid.....	\$8,550	\$1,745,206	\$10,646	-	-	-	\$1,764,402
Striped bass.....	849,538	491,468	174,947	176,623	1,203	760	1,694,539
Tilapia.....	\$151,698	\$86,647	\$32,526	\$31,312	\$352	\$184	\$302,719
Trout, rainbow.....	4,778	125	383,442	11,338,880	100,536,230	17,393	112,282,636
Wahoo.....	\$288	\$23	\$23,283	\$538,324	\$4,843,384	\$4,867	\$5,410,169
Yellowtail.....	-	-	-	-	5,780	2,954	8,734
Other fish.....	-	-	-	104	18,110	-	18,214
Crustaceans.....	-	-	-	810	21,957	-	\$22,767
Mollusks.....	7,017,253	1,819,528	5,051,097	5,940,330	479,576	992,521	20,900,305
Shellfish.....	\$1,106,676	\$380,652	\$913,016	\$1,020,589	\$168,598	\$334,273	\$3,923,804
Other marine life.....	4,471,935	1,365,167	5,008,409	846,561	1,634,426	7,577	13,335,975
Other aquatic life.....	\$616,419	\$254,306	\$657,712	\$107,322	\$206,103	\$1,334	\$1,843,196
Salmon.....	3,380,522	1,748,007	602,578	196,024	867	35	5,928,633
Other fish.....	\$6,622,702	\$3,594,888	\$1,220,713	\$442,356	\$2,623	\$48	\$11,886,330

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TABLE 4. Value of Landings and Shipments of Commercial Fish Into California by Area, 1977

Sanddab, Pacific.....	379,447	353,473	74,105	2,239	166	185	809,615
	\$92,376	\$86,178	\$17,851	\$519	275	\$118	\$197,117
Sardine, Pacific.....	-	-	-	-	3,837	739	4,576
	-	-	-	-	\$191	\$390	\$581
Sculpin.....	-	-	-	-	2,458	114,276	116,734
	-	-	-	-	\$1,370	\$51,356	\$52,726
Seabass, white.....	-	229	10,466	49,642	574,663	564,644	1,139,644
	-	\$251	\$12,173	\$45,904	\$422,935	\$404,786	\$886,049
Shark, bonito.....	-	-	395	4,618	12,292	2,646	19,311
	-	-	\$45	\$1,058	\$2,791	\$655	\$4,549
Shark, common thresher.	-	35	264	36,108	\$1,271	11,844	129,522
	-	\$11	\$58	\$12,373	\$27,621	\$2,570	\$42,443
Shark, Pacific angel...	-	-	37	329	-	-	366
	-	-	\$7	\$105	-	-	\$112
Shark, soupfin.....	11,639	91,232	11,231	13,230	6,631	28,203	162,166
	\$2,956	\$17,805	\$1,705	\$4,950	\$2,404	\$9,915	\$39,335
Shark, miscellaneous...	1,250	103,362	\$1,261	420,131	327,863	136,798	1,070,465
	\$220	\$21,773	\$11,012	\$61,993	\$65,466	\$47,333	\$207,797
Sheephead, California..	-	-	-	1,291	4,043	1,075	6,409
	-	-	-	\$238	\$1,108	\$275	\$1,421
Skate.....	55,054	22,358	77,995	5,809	210	-	161,426
	\$10,400	\$4,063	\$6,770	\$1,090	\$55	-	\$22,378
Smelt, top or jack.....	-	937	29,424	-	11,987	418	\$2,786
	-	\$98	\$1,569	-	\$1,709	\$106	\$3,482
Smelt, true.....	522,052	28,948	7,431	8	-	-	\$58,439
	\$46,095	\$6,905	\$1,254	\$1	-	-	\$54,255
Smelt, whitebait.....	283,373	23,053	13,341	-	-	-	319,767
	\$55,368	\$4,128	\$2,917	-	-	-	\$62,413
Sole, Dover.....	14,963,881	4,092,255	2,721,374	146,341	-	-	21,923,851
	\$2,352,362	\$662,025	\$443,402	\$20,116	-	-	\$3,477,905
Sole, English.....	1,952,277	1,054,893	321,162	474,626	23	76	3,403,057
	\$378,366	\$255,917	\$63,915	\$104,133	\$4	\$27	\$802,362
Sole, petrale.....	934,517	524,808	252,577	488,511	-	-	2,200,713
	\$303,065	\$171,670	\$80,443	\$152,243	-	-	\$707,421
Sole, rex.....	1,078,348	308,399	91,003	70,256	-	-	1,548,006
	\$242,079	\$72,712	\$17,201	\$15,562	-	-	\$347,554
Sole, sand.....	53,323	176,667	3,091	10,684	-	-	243,765
	\$15,302	\$51,227	\$837	\$3,022	-	-	\$70,388
Sole, miscellaneous....	46,655	6,827	1,939	4,329	704	798	61,212
	\$7,733	\$1,527	\$613	\$1,029	\$221	\$297	\$11,420
Surfperch.....	26,598	29,030	95	13,727	15,404	25,419	116,233
	\$8,666	\$14,860	\$14	\$6,521	\$5,150	\$9,671	\$44,882
Swordfish.....	-	392	377	72,404	310,474	127,741	\$11,398
	-	\$1,176	\$1,131	\$173,905	\$759,164	\$334,000	\$1,268,376
Thornyhead.....	2,338,516	507,091	371,789	19,345	-	-	3,236,741
	\$364,459	\$75,374	\$58,181	\$3,018	-	-	\$505,032
Tuna, albacore.....	2,031,988	1,722,307	4,020,333	1,084,117	1,889,045	5,157,050	15,904,840
	\$1,170,762	\$988,466	\$2,318,754	\$627,780	\$1,107,956	\$2,970,517	\$9,183,835
Tuna, bigeye.....	-	-	-	-	1,242,435	2,097,710	3,340,145
	-	-	-	-	\$482,100	\$855,982	\$1,338,082
Tuna, bluefin.....	-	-	-	194	4,733,221	2,205,879	6,939,594
	-	-	-	\$61	\$1,956,380	\$855,947	\$2,812,388
Tuna, skipjack.....	-	-	1,641	873	45,966,739	35,651,036	81,620,289
	-	-	\$567	\$263	\$15,813,982	\$12,646,319	\$28,461,131
Tuna, skipjack, black..	-	-	-	-	543,075	292,771	\$35,846
	-	-	-	-	\$54,313	\$24,383	\$78,696

MARINE FISH LANDINGS 197-1986

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TABLE 4—Cont'd.

TABLE 4 (continued). Value of Landings and Shipments of Commercial Fish Into California by Area, 1977

Species	Eureka	San Francisco	Monterey	Santa Barbara	Los Angeles	San Diego	Total
Tuna, yellowfin.....	-	-	-	-	116,726,589	78,869,600	195,596,189
Turbot.....	-	-	-	-	\$45,112,988	\$30,719,008	\$75,831,996
Mahoe.....	\$1,808	\$1,623	237	7,266	23	-	19,985
Yellowtail.....	-	-	-	-	87	-	84,463
Miscellaneous fish.....	1,896	451	394	886	4,065	8,386	12,451
	\$96	\$125	\$37	\$124	\$634	\$792	\$1,808
Crustaceans:							
Crab, Dungeness.....	33,325,545	299,304	8,058	14,956	-	-	33,647,863
Crab, rock.....	\$15,553,166	\$178,594	\$5,664	\$13,716	-	-	\$15,751,140
Lobster, California	565	216	29	492,860	510,226	79,119	1,083,015
Prawn, ridgeback.....	-	\$93	-	\$118,185	\$172,161	\$25,641	\$318,095
Prawn, spot.....	-	-	-	48,853	88,770	113,945	251,568
Shrimp, Pacific Ocean..	13,863,465	2,002,159	\$37,955	\$59,533	-	-	\$15,871,332
Miscellaneous crustacean....	\$3,143,369	\$458,598	\$6,521	\$116,045	\$219,297	\$271,521	\$3,609,446
	-	-	-	200	2,272	-	2,472
	-	-	-	850	\$576	-	\$626
Echinoderms:							
Sea urchin.....	355,520	26,281	4,213	13,065,912	1,668,650	1,415,719	16,536,295
Miscellaneous echinoderm....	\$35,545	\$6,058	\$331	\$1,290,301	\$170,163	\$126,855	\$1,629,253
	-	-	-	-	1,259	-	1,259
	-	-	-	-	\$161	-	\$161
Mollusk:							
Abalone, black.....	-	-	-	360,718	83,605	18,978	463,301
Abalone, green.....	-	-	-	\$213,597	\$48,967	\$9,136	\$271,700
Abalone, pink.....	-	-	-	3,409	65,529	28,519	97,457
Abalone, red.....	-	-	-	\$4,280	\$82,555	\$31,778	\$118,613
Abalone, threaded.....	-	97,672	-	151,220	85,900	81,374	318,494
Abalone, white.....	-	\$114,667	-	\$174,139	\$107,546	\$91,303	\$372,988
Abalone, miscellaneous.....	-	30	-	382,756	12,328	44,694	\$37,450
	-	\$32	-	\$425,608	\$12,014	\$46,633	\$598,922
	-	-	-	804	-	19	853
	-	-	-	\$508	-	\$19	\$599
	-	-	-	1,532	10,248	5,823	17,603
	-	-	-	\$2,680	\$13,515	\$8,825	\$25,020
	-	-	-	921	-	27	988
	-	-	-	868	-	\$27	\$736
Mussel.....	-	4,245	45	-	-	-	4,290
Octopus.....	27,471	\$3,305	\$23	1,198	143	110	\$3,328
Oyster, eastern.....	\$8,715	1,583	\$941	\$304	\$63	\$54	\$11,274
Oyster, giant Pacific..	568,810	275,616	-	82,126	-	-	926,552
	\$626,003	\$300,421	-	\$89,517	-	-	\$1,009,941

TABLE 4. Value of Landings and Shipments of Commercial Fish Into California by Area, 1977

Shall, sea.....	436	51	-	89	15,811	271	16,658
	829	814	-	850	83,164	879	83,136
Squid, market.....	932	-	4,468,975	5,365,607	18,387,169	21,096	28,243,779
	8120	-	\$462,281	\$191,821	\$824,595	\$1,937	\$1,480,754
Miscellaneous mollusk..	-	288	-	-	92	-	380
	-	\$173	-	-	-	-	\$205
Total pounds.....	89,018,040	29,674,779	41,976,724	71,150,916	490,363,581	133,960,200	856,144,240
Total value.....	\$33,013,705	\$9,742,967	\$6,882,817	\$7,084,780	\$80,489,467	\$51,075,771	\$188,289,507
<b>SHIPMENTS:</b>							
<b>Fish:</b>							
Tuna, albacore.....	-	-	-	-	15,767,490	1,402,803	17,170,293
	-	-	-	-	\$12,225,593	\$1,045,557	\$13,271,150
Tuna, bigeye.....	-	-	-	-	464,773	207,383	672,156
	-	-	-	-	\$243,179	894,168	\$335,347
Tuna, bluefin.....	-	-	-	-	557,022	1,708,516	2,265,538
	-	-	-	-	\$226,692	8682,133	\$908,785
Tuna, skipjack.....	-	-	-	-	104,394,086	30,533,080	134,927,166
	-	-	-	-	\$49,414,024	\$13,117,337	\$56,531,361
Tuna, skipjack,black..	-	-	-	-	286,966	-	286,966
	-	-	-	-	\$21,957	-	\$21,957
Tuna, yellowfin.....	-	-	-	-	14,113,866	19,560,520	33,680,386
	-	-	-	-	\$6,650,331	\$7,729,280	\$14,379,611
Total pounds.....	-	-	-	-	135,590,203	53,412,302	189,002,505
Total value.....	-	-	-	-	\$62,781,736	\$22,866,475	\$85,648,211
Grand total pounds..	89,018,040	29,674,779	41,976,724	71,150,916	625,953,784	187,372,502	1,045,146,745
Grand total value...	\$33,013,705	\$9,742,967	\$6,882,817	\$7,084,780	\$143,271,203	\$73,742,246	\$273,737,718

\* Tables 4 through 13 are equivalent to Tables 15 in previous catch bulletins.

MARINE FISH LANDINGS 1977-1986

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TABLE 4—Cont'd.

TABLE 5. Value of Landings and Shipments of Commercial Fish Into California by Area, 1978

Species	Eureka	San Francisco	Monterey	Santa Barbara	Los Angeles	San Diego	Total
<b>LANDINGS:</b>							
<b>Fish:</b>							
Anchovy, northern.....	-	822,874	851,790	13,419,000	10,164,928	324	25,258,916
Barracuda, California..	-	\$118,393	\$27,297	\$309,852	\$239,659	\$103	\$686,304
Blacksmith.....	-	-	-	747	40,911	6,779	48,437
Bass, giant sea.....	-	-	-	\$471	\$25,624	\$3,406	\$29,501
Bonito, Pacific.....	-	-	-	-	1,500	-	1,500
Butterfish, Pacific.....	-	-	-	5,180	45,852	15,195	66,227
Cabazon.....	-	-	-	\$2,654	\$28,848	\$8,435	\$39,937
Croaker, white.....	-	-	12,528	51,448	5,509,261	2,309,159	7,882,396
Flounder, arrowtooth...	218	131	\$3,407	\$10,874	\$1,008,810	\$467,294	\$1,490,845
Flounder, miscellaneous	895	\$193	30,451	22,980	35,434	598	89,812
Flyingfish.....	42	4,457	5,446	18,218	21,635	\$38	\$56,252
Grenadier.....	\$20	\$1,004	\$907	\$3,262	\$212	-	\$28,781
Hake, Pacific.....	206,178	45,966	67,798	88,029	205,529	14,626	\$5,405
Halibut, California....	\$18,328	\$58	-	-	-	-	\$22,288
Herring, Pacific.....	229,326	455,917	88,485	49,151	35	29	\$118,611
Kingcod.....	\$42,718	\$84,322	\$31,309	\$10,215	\$28	\$12	\$206,603
Lingcod.....	-	-	-	-	182,715	-	\$18,386
Mackerel.....	59,933	10,969	360	-	\$73,075	-	\$22,943
Opaleye.....	\$5,444	\$965	\$36	-	-	-	\$168,004
Queenfish.....	-	-	-	3,117	801	187	4,105
Rockfish.....	641,374	106,335	-	\$1,174	\$273	\$94	\$1,541
Sablefish.....	\$81,586	\$9,571	-	-	-	-	\$747,709
Salmon.....	-	-	-	87	83,110	\$2,031	\$71,157
Shrimp.....	-	-	-	33	7,358	3,969	11,360
Squid.....	-	46,483	30,726	227,029	102,121	35,081	\$5,148
Trout, rainbow.....	-	\$42,515	\$27,188	\$278,042	\$112,731	\$36,292	\$441,440
Wahoo.....	50,203	9,736,483	73,257	73	103	-	\$496,768
Yellowtail.....	\$15,227	\$3,259,941	\$5,765	\$28	\$21	-	\$9,860,119
Other fish.....	1,061,019	702,028	139,615	109,260	2,600	\$38	\$3,280,982
Unidentified.....	\$233,076	\$141,642	\$33,327	\$24,594	\$1,589	\$260	\$2,015,460
Total.....	2,963	892	17,906	8,818,530	85,084,860	74,278	\$434,488
Shrimp.....	\$39	\$157	\$2,875	\$518,097	\$4,830,788	\$12,250	\$3,999,429
Unidentified.....	-	-	-	\$68	2,670	\$3	\$5,364,206
Queenfish.....	-	-	-	\$24	\$1,132	\$13	\$3,591
Rockfish.....	-	\$80	-	4	\$2,159	-	\$1,369
Sablefish.....	7,577,786	2,838,793	3,207,810	4,971,102	896,576	1,018,387	\$1,783
Salmon.....	\$1,409,256	\$613,797	\$707,244	\$1,249,888	\$374,498	\$396,797	\$9,969
Shrimp.....	4,757,579	1,729,398	5,459,708	1,164,890	4,594,766	9,383	20,510,364
Squid.....	\$1,148,874	\$368,851	\$1,017,500	\$227,502	\$634,212	\$1,904	\$4,751,580
Trout, rainbow.....	4,100,813	1,441,550	861,201	406,303	1,123	-	17,715,724
Wahoo.....	\$6,117,807	\$2,410,415	\$1,713,398	\$806,962	\$692	-	\$3,399,143
Yellowtail.....	-	-	-	-	-	-	6,810,990
Total.....	-	-	-	-	-	-	\$11,049,274

TABLE 5. Value of Landings and Shipments of Commercial Fish Into California by Area, 1978

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Sanddab, Pacific.....	414,064	230,181	94,142	3,762	913	144	743,206
Sardine, Pacific.....	\$117,209	\$66,444	\$25,223	\$945	\$640	\$52	\$210,513
-	-	-	-	-	1,920	-	1,920
-	-	-	910	24	\$116	-	\$116
-	-	-	8231	\$3	88,843	\$28,477	71,209
Seabass, white.....	-	-	2,891	\$1,448	999,143	517,273	\$37,594
-	-	-	\$3,435	\$47,408	\$519,048	\$427,689	1,160,795
Shark, common thresher..	-	30	-	135,794	160,366	5,881	\$997,580
Shark, Pacific angel...	-	812	-	\$54,099	\$64,988	\$1,622	302,073
-	-	364	-	81,744	275	-	\$120,321
-	-	873	-	89,126	\$138	-	82,383
Shark, soupfin.....	11,441	75,568	5,508	24,817	37,491	21,495	176,070
Shark, miscellaneous...	\$3,357	\$18,134	\$1,404	89,161	815,931	89,112	\$9,337
-	1,432	119,529	58,504	586,701	316,090	102,155	1,184,411
Sheephead, California..	\$142	\$23,176	\$11,033	\$72,667	\$126,413	\$42,494	\$275,925
-	-	-	-	2,712	7,292	1,140	11,144
-	-	-	-	\$2,733	\$2,777	\$256	\$5,246
Skate.....	145,460	35,017	48,514	45,649	417	-	275,057
Smelt, top or jack.....	\$34,909	\$8,237	\$4,747	\$5,513	\$121	-	\$53,527
-	-	-	867	2,176	5,193	490	\$,686
-	-	-	8175	\$285	\$755	\$120	\$1,335
Smelt, true.....	67,041	1,697	10,741	2,864	21,451	74	107,868
Smelt, whitebait.....	89,775	\$1,338	\$2,832	\$419	\$2,959	\$30	\$11,353
-	260,346	3,751	-	55	297	-	264,449
-	\$74,563	\$882	-	87	\$45	-	\$75,497
Sole, Dover.....	14,049,473	4,344,325	2,262,845	113,443	-	-	20,770,086
-	\$2,651,932	\$828,421	\$427,828	\$17,454	-	-	\$3,925,835
Sole, English.....	1,878,088	1,270,847	342,896	482,911	-	40	3,974,782
Sole, petrale.....	\$509,886	\$349,565	\$76,423	\$116,507	-	\$13	\$1,052,394
Sole, rex.....	1,160,490	759,199	274,689	459,604	62	-	2,634,044
-	\$437,968	\$272,576	\$101,013	\$174,856	\$36	-	\$986,449
Sole, sand.....	1,083,564	299,956	118,711	34,901	215	-	1,537,347
Sole, miscellaneous....	\$303,658	\$85,392	\$30,541	\$8,531	\$97	-	\$428,199
-	78,425	157,849	542	12,699	-	-	249,515
-	\$25,747	\$51,654	\$176	\$4,148	-	-	\$81,725
Sole, miscellaneous....	33,251	15,129	2,361	7,372	1,465	255	\$9,833
Surfperch.....	86,293	\$4,719	\$898	\$2,165	\$483	\$102	\$14,660
-	48,145	19,814	1,224	58,644	25,036	24,201	174,064
Swordfish.....	\$18,881	\$11,019	\$543	\$36,251	\$8,234	\$10,428	\$85,356
-	190	-	480	323,106	1,753,864	516,593	\$4,574,613
-	\$285	-	\$840	\$571,384	\$3,080,665	\$921,439	\$2,929,147
Thornhead.....	2,012,201	\$18,221	285,843	12,882	-	-	\$538,978
-	\$369,447	\$113,830	\$53,226	\$2,475	-	-	21,549,428
Tuna, albacore.....	2,472,626	1,998,062	5,908,093	3,511,394	3,043,255	4,615,998	\$13,619,446
Tuna, bigeye.....	\$1,464,258	\$1,213,956	\$3,608,121	\$2,133,607	\$2,397,027	\$2,802,477	2,788,328
-	-	-	-	-	2,474,625	313,703	81,171,136
-	-	-	-	-	\$1,039,346	\$131,790	3,561,343
Tuna, bluefin.....	-	-	-	-	6,908,588	2,852,755	\$4,065,522
Tuna, skipjack.....	120	382	275	7,562	75,255,853	61,921,799	137,185,991
-	\$73	\$148	\$202	\$2,935	\$29,705,318	\$22,986,676	\$52,495,552
Tuna, skipjack, black..	36	-	-	-	\$24,680	364,281	1,188,597
-	88	-	-	-	\$82,476	\$36,212	\$119,396
Tuna, yellowfin.....	-	1,196	-	16,797	109,478,172	\$1,604,138	191,100,304
-	-	\$471	-	86,962	\$46,094,926	\$33,470,273	\$79,572,632

MARINE FISH LANDINGS 1977-1986

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TABLE 5—Cont'd.

TABLE 5 (continued). Value of Landings and Shipments of Commercial Fish Into California by Area, 1978

Species	Eureka	San Francisco	Monterey	Santa Barbara	Los Angeles	San Diego	Total
Tuna, miscellaneous....	-	-	944	-	1,602	134	2,680
Turbot.....	7,660	5,000	210	5,287	3,681	844	21,902
Wahoo.....	\$2,448	\$1,357	875	\$1,075	\$2,942	818	\$7,313
Whitefish, ocean.....	-	-	-	-	280	8,059	8,339
Yellowtail.....	-	-	-	1,268	\$140	\$3,784	\$3,924
Miscellaneous fish.....	1,510	2,621	4,562	29,575	25,465	1,894	85,627
	\$365	\$750	\$722	\$7,745	\$8,911	\$812	\$19,105
<b>Crustacean:</b>							
Crab, Dungeness.....	8,335,616	942,037	6,150	78,114	83	137	9,362,197
Crab, California king..	\$6,353,637	\$884,637	\$6,240	\$39,941	\$42	\$49	\$7,284,546
Crab, rock.....	34,327	2,121	-	618,313	222,038	80,075	956,874
Crab, spider.....	87,735	\$1,617	-	\$189,604	\$101,572	\$31,668	\$332,196
Lobster, California	-	-	-	511	1,408	-	1,919
Lobster, spiny.....	-	6953	-	\$142	\$365	-	\$507
Prawn, ridgeback.....	-	254	-	164,675	186,629	207,428	560,986
Prawn, spot.....	1,263	-	11,137	\$411,481	\$510,450	\$564,486	\$1,487,370
Shrimp, Pacific ocean..	13,879,587	2,776	79	45,716	-	-	45,716
Shrimp, miscellaneous..	\$3,643,429	\$3,098	\$13	\$29,186	-	-	\$29,166
Miscellaneous crustacean....	-	-	-	55,147	-	-	55,147
Echinoderm:							
Sea cucumber.....	-	-	-	881,801	-	-	881,801
Sea urchin.....	7,542	39,251	4,880	10,095,292	2,685,772	1,594,810	14,427,547
Miscellaneous echinoderm....	\$880	\$8,563	\$747	\$1,181,950	\$313,937	\$159,303	\$1,665,380
Mollusk:							
Abalone, black.....	-	27	-	272,004	136,979	10,966	419,976
Abalone, green.....	-	\$66	-	\$197,655	\$25,965	\$8,366	\$300,052
Abalone, pink.....	-	-	-	3,903	74,227	14,912	93,042
Abalone, red.....	-	-	-	\$6,634	\$113,584	\$23,121	\$143,339
	-	8	-	163,829	98,164	25,334	287,335
	-	\$13	-	\$230,991	\$146,185	\$35,371	\$412,560
	-	\$4,331	-	369,839	6,025	28,952	405,147
	-	\$122,039	-	\$500,408	\$8,237	\$35,023	\$665,707

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FISH BULLETIN 173

TABLE 5. Value of Landings and Shipments of Commercial Fish Into California by Area, 1978

Abalone, white.....	-	-	-	184	2,552	912	3,648
Abalone, miscellaneous..	-	192	-	\$338	\$4,191	\$1,629	\$6,158
Clam.....	48	\$448	-	1,678	-	7	1,877
Mussel.....	\$34	400	-	\$1,696	-	\$10	\$2,194
Octopus.....	-	12,415	723	-	-	-	13,138
Oyster, eastern.....	-	\$13,307	\$362	-	-	-	\$13,669
Oyster, European flat..	-	480	-	-	-	-	480
Oyster, giant Pacific..	636,325	309,737	-	78,372	-	-	1,024,434
Snail, sea.....	\$591,782	\$472,126	-	\$72,888	-	-	\$1,136,796
Squid, jumbo.....	-	315	-	201	20,415	96	21,027
Squid, market.....	202	143	20,655,397	2,584,009	14,558,476	401	37,798,628
Total pounds.....	65,340,990	29,281,262	40,952,680	49,909,463	326,175,745	188,393,534	670,053,674
Total value.....	\$25,694,168	\$11,633,995	\$10,191,364	\$9,824,549	\$95,551,490	\$63,847,575	\$216,743,141
<b>SHIPMENTS:</b>							
<b>Fish:</b>							
Tuna, albacore.....	-	-	-	-	27,109,806	8,989,274	36,099,080
Tuna, bigeye.....	-	-	-	-	\$19,834,550	\$7,948,675	\$26,883,225
Tuna, bluefin.....	-	-	-	-	2,532,622	392,522	2,925,144
Tuna, skipjack, black..	-	-	-	-	\$1,809,700	\$145,825	\$1,955,525
Tuna, skipjack, yellowfin.....	-	-	-	-	41,790	385,682	427,472
Tuna, yellowfin.....	-	-	-	-	\$17,134	\$158,130	\$175,264
Total pounds.....	-	-	-	-	74,191,130	70,067,070	144,258,200
Total value.....	-	-	-	-	\$32,728,099	\$29,266,253	\$61,994,352
Grand total pounds...	65,340,990	29,281,262	40,952,680	49,909,463	456,200,265	276,350,565	918,035,225
Grand total value...	\$25,694,168	\$11,633,995	\$10,191,364	\$9,824,549	\$165,579,106	\$118,040,800	\$340,963,982

MARINE FISH LANDINGS 1977-1986 19

TABLE 5—Cont'd.



TABLE 6. Value of Landings and Shipments of Commercial Fish Into California by Area, 1979

Species	Eureka	San Francisco	Monterey	Santa Barbara	Los Angeles	San Diego	Total
<b>LANDINGS:</b>							
<b>Fish:</b>							
Anchovy, northern.....	-	949,466	7,161,700	17,247,400	82,011,400	26,215	107,396,181
Barracuda, California..	-	\$112,632	\$211,111	\$418,519	\$2,121,020	\$1,359	\$2,864,641
Blacksmith.....	-	-	196	1,852	17,388	17,781	37,327
Bass, giant sea.....	-	-	\$59	\$1,342	\$12,786	\$11,135	\$25,322
Bonito, Pacific.....	492	79	868	-	-	16,338	18,377
Butterfish, Pacific....	\$172	\$84	\$1,321	4,407	15,748	19,347	40,942
Cabazon.....	8	-	796	\$3,372	\$10,092	\$13,547	\$28,908
Croaker, white.....	88	-	2,554	21,993	3,127,970	809,304	3,969,071
Eel.....	1,827	538	29,127	25,554	\$656,638	\$177,185	\$789,194
Flounder, miscellaneous	\$1,497	\$619	\$30,914	\$12,836	\$26,242	\$473	\$32,581
Flounder, arrowtooth...	-	6,369	3,890	40,046	3	19	50,327
Flyingfish.....	-	\$1,477	\$885	\$5,880	\$1	\$4	\$8,247
Grenadier.....	211	69,954	113,964	124,874	402,419	4,893	716,315
Grouper.....	\$84	\$33,935	\$31,411	\$37,760	\$102,452	\$1,612	\$207,454
Hake, Pacific.....	-	88	64	1,805	167	-	2,123
Halfmoon.....	327,983	355,623	90,827	52,918	13	-	\$1,288
Halibut, California....	\$78,860	\$88,297	\$34,414	\$17,808	\$8	-	\$219,487
Herring, Pacific.....	\$38,048	155	-	-	-	-	238,203
Lingcod.....	\$24,037	\$28	-	-	-	-	\$24,065
Mackerel.....	-	-	-	-	61,931	-	61,931
Mullet, striped.....	65,428	8,745	5,625	-	\$24,241	-	\$99,840
Opaleye.....	\$6,514	\$875	\$864	-	-	-	\$8,253
Queenfish.....	-	-	302	4,714	10,727	-	15,743
Rockfish group,	1,830,500	4,705	\$242	\$1,882	\$3,782	626	1,836,264
boccaccio/chili	\$140,823	\$326	-	-	\$33	\$123	\$141,305
halibut	-	-	-	65	5,444	5,399	11,108
herring	-	-	-	\$13	\$2,683	\$2,967	\$5,663
mackerel	386	89,637	30,563	371,663	124,540	48,761	665,546
mullet	\$740	\$105,302	\$39,071	\$540,707	\$161,735	\$59,463	\$907,018
rockfish	119,981	9,139,910	125,411	154	33	-	9,385,489
salmon	\$69,940	\$6,885,770	\$26,452	\$53	\$7	-	\$7,982,222
shrimp	1,351,790	1,050,400	349,422	402,752	5,896	1,160	\$6,982,222
trout	\$332,183	\$252,383	\$77,586	\$93,570	\$2,690	\$412	\$758,824
yellowtail	44,574	9,062	404,275	10,979,400	79,001,200	107,837	90,546,448
other	\$5,285	\$1,036	\$41,096	\$766,472	\$5,618,710	\$17,352	\$6,449,951
total	-	-	-	-	-	17,010	17,010
total	-	-	-	115	4,905	315	5,335
total	-	-	-	\$49	\$2,100	\$180	\$2,329
total	-	-	29	774	5,616	87	6,506
total	-	-	\$10	\$196	\$559	\$34	\$799
total	686,574	2,551,045	2,590,569	2,630,808	475,877	964	8,935,837
total	\$137,958	\$512,080	\$523,610	\$593,191	\$169,492	\$389	\$1,936,720

TABLE 6. Value of Landings and Shipments of Commercial Fish Into California by Area, 1979

Rockfish, miscellaneous	9,934,100	2,186,996	1,955,027	3,211,366	1,051,910	1,293,083	19,632,482
	\$1,995,090	\$533,491	\$542,316	\$1,200,216	\$497,438	\$570,029	\$5,338,580
Sablefish.....	9,196,020	2,150,480	6,135,390	1,893,650	8,138,250	1,080,510	28,573,600
	\$2,390,860	\$510,886	\$1,356,710	\$430,124	\$1,707,870	\$282,711	\$6,493,161
Salmon.....	5,903,142	2,234,562	510,742	101,282	50	-	8,749,778
	\$14,512,403	\$5,811,079	\$1,387,750	\$292,134	\$132	-	\$22,003,498
Sanddab, Pacific.....	677,598	421,042	209,713	8,413	3,928	2,045	1,322,739
	\$220,498	\$139,109	\$70,357	\$2,778	\$1,830	\$1,636	\$436,208
Sardine, Pacific.....	-	-	-	-	-	-	20,572
	-	-	-	-	-	-	\$1,440
Sculpin.....	-	-	-	43	13,094	19,608	32,745
	-	-	-	87	\$9,432	\$14,078	\$23,537
Seabass, white.....	-	-	679	48,028	514,135	642,824	1,205,666
	-	-	\$1,044	\$69,025	\$546,019	\$658,731	\$1,274,819
Shark, bonito.....	-	-	-	301	32,974	2,059	35,334
	-	-	-	8107	\$18,596	8847	\$19,550
Shark, common thresher.....	-	4,546	8	178,365	\$22,108	33,716	735,743
	-	\$2,039	\$4	\$101,083	\$307,631	\$16,694	\$427,451
Shark, Pacific angel....	-	73	-	127,478	43	701	128,295
	-	\$18	-	\$30,711	\$16	\$192	\$30,937
Shark, soupfin.....	17,264	58,002	13,013	65,633	38,154	84,362	276,428
	\$5,717	\$15,953	\$3,294	\$33,221	\$20,425	\$43,492	\$122,042
Shark, miscellaneous...	2,494	129,777	70,711	308,143	432,893	213,203	1,157,227
	883	\$35,536	\$13,753	\$114,542	\$216,611	\$94,531	\$476,056
Sheephead, California..	-	-	-	3,862	4,275	482	8,619
	-	-	-	\$1,217	\$1,541	\$290	\$3,048
Skate.....	101,196	48,625	79,859	79,561	280	-	309,521
	\$24,546	\$11,802	\$13,924	\$13,244	\$78	-	\$63,594
Smelt, top or jack.....	2,148	26,476	3,160	1,138	27,199	-	60,121
	\$216	\$4,168	\$757	\$138	\$4,115	-	\$9,594
Smelt, true.....	187,436	11,583	2,167	53	919	-	202,158
	\$21,026	\$3,542	\$422	\$7	\$192	-	\$25,189
Smelt, whitebait.....	287,759	36,324	19,613	879	110	-	344,685
	\$81,916	\$10,824	\$5,984	\$253	\$19	-	\$98,996
Sole, butter.....	146,807	1,425	-	20	-	-	148,252
	\$30,851	\$242	-	\$7	-	-	\$31,100
Sole, Dover.....	18,088,500	2,394,430	2,837,380	73,781	-	-	23,394,091
	\$3,807,670	\$812,381	\$611,335	\$15,658	-	-	\$4,947,044
Sole, English.....	2,615,480	1,411,500	443,140	534,847	1,871	122	5,006,960
	\$772,284	\$426,194	\$111,613	\$157,804	\$653	\$47	\$1,468,505
Sole, petrale.....	1,526,350	735,778	264,065	534,552	155	910	3,061,810
	\$675,021	\$328,612	\$118,880	\$242,351	\$91	\$734	\$1,365,689
Sole, rex.....	1,442,850	296,805	100,547	72,782	1,621	-	1,914,805
	\$467,266	\$97,487	\$33,016	\$22,134	\$659	-	\$620,562
Sole, sand.....	452,494	199,202	12,542	6,226	-	-	670,464
	\$169,072	\$74,372	\$4,343	\$2,283	-	-	\$250,070
Sole, miscellaneous....	484	2,811	2,129	12,321	533	1,761	20,039
	\$286	\$1,142	\$717	\$4,446	\$223	\$752	\$7,566
Surfperch.....	72,770	15,295	4,460	\$7,861	42,893	17,881	201,160
	\$38,174	\$11,711	\$2,210	\$35,912	\$14,161	\$9,263	\$111,431
Swordfish.....	-	-	755	59,924	430,546	39,404	586,529
	-	-	\$2,643	\$187,754	\$1,327,770	\$293,663	\$1,811,830
Thornyhead.....	3,236,360	337,099	500,951	21,590	-	-	4,095,940
	\$715,779	\$71,339	\$109,855	\$4,898	-	-	\$901,871
Tuna, albacore.....	783,654	881,914	2,854,360	2,070,150	1,004,910	847,110	8,442,098
	\$512,564	\$592,109	\$1,893,530	\$1,337,530	\$628,647	\$571,137	\$5,535,517

MARINE FISH LANDINGS 1977-1986

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TABLE 6—Cont'd.

TABLE 6 (continued). Value of Landings and Shipments of Commercial Fish Into California by Area, 1979

Species	Eureka	San Francisco	Monterey	Santa Barbara	Los Angeles	San Diego	Total
Tuna, bigeye.....	-	-	-	-	649,045	918,091	1,567,136
Tuna, bluefin.....	-	-	-	-	8296,307	8410,685	16,706,992
Tuna, skipjack.....	401	-	-	775	9,142,460	4,129,880	13,273,516
Tuna, skipjack, black..	8843	-	-	856	84,280,780	81,777,980	86,060,139
Tuna, yellowfin.....	1,257	558	107	610	50,594,400	44,199,100	94,796,032
Tuna, skipjack, black..	\$2,956	\$1,339	\$218	\$257	\$19,982,800	\$15,586,100	\$35,573,670
Tuna, yellowfin.....	-	-	-	-	530,665	116,201	646,866
Tuna, miscellaneous....	-	42	-	-	853,069	811,620	\$84,689
Tuna, miscellaneous....	-	\$15	-	1,733	90,855,800	74,988,100	165,845,675
Turbot.....	435	-	-	1,308	440,825,900	832,164,200	\$72,991,002
Turbot.....	\$301	-	-	1,308	74,712	5,433	81,888
Mahoo.....	17,501	6,934	1,125	6,833	861,172	\$3,221	\$66,016
Mahoo.....	\$5,619	\$2,427	\$305	\$1,467	88,934	-	\$18,772
Yellowtail.....	-	-	-	-	6,304	4,434	10,738
Yellowtail.....	-	140	159	1,752	\$3,690	\$2,633	\$6,323
Miscellaneous fish.....	-	\$78	\$56	\$598	143,678	281,883	427,612
Miscellaneous fish.....	26,516	6,926	14,755	62,007	\$62,033	\$107,287	\$170,052
Miscellaneous fish.....	\$1,798	\$2,238	\$4,719	\$21,483	\$31,694	\$3,066	\$55,006
Crustacean:							\$124,458
Crab, Dungeness.....	12,236,700	670,891	6,845	63,679	390	-	12,978,505
Crab, rock.....	\$8,118,840	\$696,444	\$8,720	\$44,670	\$348	-	\$8,869,022
Crab, rock.....	4,434	4,594	1,662	617,973	235,700	89,227	953,590
Crab, spider.....	\$4,052	\$2,747	\$651	\$343,695	\$143,970	\$45,903	\$541,018
Crab, spider.....	-	-	-	2,244	12,158	-	14,402
Lobster, California	-	123	-	\$953	84,661	-	85,614
Lobster, California	-	-	-	109,858	103,204	206,374	419,229
Lobster, California	-	\$368	-	\$308,508	\$309,198	\$736,091	\$1,354,165
Prawn, ridgeback.....	-	-	-	256,715	-	-	256,715
Prawn, ridgeback.....	-	-	-	\$228,161	-	-	\$228,161
Prawn, spot.....	2	130	6,461	77,167	18	-	83,778
Prawn, spot.....	84	\$219	\$25,192	\$172,427	852	-	\$197,894
Shrimp, Pacific ocean..	4,289,380	8,745	27,577	857,001	-	-	5,182,703
Shrimp, Pacific ocean..	\$1,619,820	\$4,348	\$7,034	\$366,802	-	-	\$1,998,204
Shrimp, miscellaneous..	-	\$2,137	-	10,616	4	-	\$2,757
Miscellaneous	-	\$2,605	-	86,308	\$20	-	\$8,933
Miscellaneous	-	340	-	346	-	-	686
crustacean....	-	\$122	-	\$346	-	-	\$468
Echinoderm:							\$468
Sea cucumber.....	-	-	-	-	69,438	-	69,438
Sea urchin.....	193,538	42,608	24	13,822,600	4,579,170	1,921,010	20,558,950
Sea urchin.....	\$26,241	\$8,541	\$14	\$2,367,220	\$890,055	\$196,051	\$3,066,122
Mollusk:							\$30,928
Abalone, black.....	-	-	-	196,722	113,217	20,989	330,928
Abalone, black.....	-	-	-	\$173,672	\$106,598	\$19,851	\$300,121
Abalone, green.....	-	-	-	4,249	43,530	13,548	61,327
Abalone, green.....	-	-	-	\$7,969	\$79,237	\$25,192	\$112,398

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TABLE 6. Value of Landings and Shipments of Commercial Fish Into California by Area, 1979

Abalone, pink.....	-	-	-	84,137	51,466	20,780	156,383
Abalone, red.....	-	-	-	\$133,597	\$90,003	\$34,805	\$258,405
Abalone, white.....	-	47,251	105	364,608	5,796	21,709	439,469
Abalone, miscellaneous..	-	\$81,594	\$168	\$523,183	\$6,814	\$30,450	\$642,209
Clam.....	-	-	-	265	48	189	502
Mussel.....	-	2,517	-	\$468	\$116	\$422	\$1,006
Octopus.....	225	\$4,266	-	669	631	81	3,859
Oyster, eastern.....	-	-	90,500	\$1,046	\$1,139	\$26	\$6,477
Oyster, giant Pacific..	225	\$4,266	-	257,035	28	-	347,788
Oyster, European flat..	\$225	-	\$7,466	\$21,094	\$95	-	\$28,880
Squid, market.....	-	4,198	-	-	-	-	4,701
Miscellaneous mollusk..	86,440	\$4,053	\$345	-	-	-	\$4,398
Total pounds.....	\$38,200	11,068	1,079	5,845	635	90	105,157
Total value.....	-	\$4,800	\$823	\$2,259	\$795	\$84	\$46,921
SHIPMENTS:	-	-	-	-	-	-	81
Fish:	-	-	-	-	-	-	8426
Tuna, albacore.....	590,687	404,412	-	148,628	380	-	1,144,107
Tuna, bigeye.....	8626,118	\$697,427	-	\$156,059	\$68	-	\$1,479,672
Tuna, bluefin.....	-	435	-	-	-	-	435
Tuna, skipjack.....	-	\$4,845	-	-	-	-	\$4,845
Tuna, skipjack, black..	980	48	28,366,100	329,574	14,709,500	1,440	43,407,642
Tuna, yellowfin.....	\$224	\$5	\$3,436,150	\$13,962	\$693,964	\$344	\$4,144,649
Total pounds.....	-	544	-	8,569	30,986	333	40,232
Total value.....	-	\$119	-	\$3,632	\$7,404	\$130	\$11,285
Grand total pounds...	76,793,144	29,075,242	55,442,148	58,764,031	349,845,097	132,322,790	702,242,452
Grand total value....	\$37,684,624	\$18,728,124	\$10,788,968	\$11,502,078	\$81,986,827	\$54,008,318	\$214,698,939
Tuna, albacore.....	-	-	-	-	17,481,100	3,179,860	20,660,960
Tuna, bigeye.....	-	-	-	-	\$14,600,600	\$2,606,730	\$17,207,330
Tuna, bluefin.....	-	-	-	-	427,920	-	427,920
Tuna, skipjack.....	-	-	-	-	\$279,292	-	\$279,292
Tuna, skipjack, black..	-	-	-	-	6,060	108,017	114,077
Tuna, yellowfin.....	-	-	-	-	\$2,682	\$50,228	\$52,910
Total pounds.....	-	-	-	-	49,052,200	44,645,000	93,697,200
Total value.....	-	-	-	-	\$21,798,100	\$21,038,400	\$42,837,500
Grand total pounds...	76,793,144	29,075,242	55,442,148	58,764,031	428,596,487	200,882,917	849,553,969
Grand total value....	\$37,684,624	\$18,728,124	\$10,788,968	\$11,502,078	\$124,909,692	\$87,398,842	\$291,012,328

TABLE 6—Cont'd.

TABLE 7. Value of Landings and Shipments of Commercial Fish Into California by Area, 1980

Species	Eureka	San Francisco	Monterey	Santa Barbara	Los Angeles	San Diego	Total
<b>LANDINGS:</b>							
<b>Fish:</b>							
Anchovy, northern.....	-	1,005,600	6,679,590	22,817,100	64,175,000	458	94,677,748
Barracuda, California..	-	\$113,061	\$174,985	\$600,991	\$1,657,560	\$131	\$2,546,718
Bass, giant sea.....	-	-	-	188	62,185	4,180	66,553
Bonito, Pacific.....	-	-	-	811	\$45,597	\$2,972	\$48,580
Butterfish, Pacific....	-	28	230	2,466	10,792	25,318	38,623
Cabazon.....	102	3,961	2,999	46,383	6,696	5	60,146
Croaker, white.....	\$19	\$775	\$892	86,183	\$2,348	82	\$10,219
Dolphinfish.....	45	61,477	655,631	123,776	217,528	5,684	1,064,141
Flounder, arrowtooth...	\$17	\$25,992	\$165,843	\$42,425	\$68,380	\$2,595	\$305,252
Flounder, miscellaneous	-	-	8	-	2,947	1,552	4,507
Flyingfish.....	122,744	76	-	-	\$559	\$886	\$1,445
Grenadier.....	\$12,396	\$16	-	-	-	-	\$12,820
Grouper.....	153,292	486,048	50,943	50,873	-	16	741,172
Hake, Pacific.....	\$38,751	\$123,447	\$20,881	\$18,218	-	\$5	\$201,302
Halibut, California....	-	-	-	-	61,333	-	61,333
Herring, Pacific.....	98,528	3,340	-	-	\$24,579	-	\$24,579
Kingfish.....	\$9,712	\$335	-	-	-	-	\$10,047
Lingcod.....	-	-	-	10,638	-	-	10,638
Mackerel.....	-	-	-	\$4,302	-	-	\$4,302
Mullet, striped.....	1,527,740	217	-	-	35	-	1,527,992
Opaleye.....	\$108,794	877	-	-	835	-	\$108,906
Queenfish.....	-	-	-	196	1,733	536	2,465
Rockfish group.....	136	129,402	69,505	349,270	\$1,259	\$321	\$1,665
Shrimp.....	\$66	\$134,481	\$73,879	\$555,780	\$140,536	\$127,028	\$1,031,770
Sablefish.....	151,173	17,273,800	345,849	607	15	-	17,771,444
Salmon.....	\$155,500	\$16,413,600	\$146,607	\$515	\$11	-	\$16,716,233
Scup.....	1,063,890	913,875	523,407	303,683	3,698	2,244	2,810,797
Swordfish.....	\$267,018	\$224,318	\$59,419	\$86,112	\$1,812	\$752	\$650,031
Tilapia.....	13,337	110	748,916	9,863,940	\$9,484,000	65,992	110,176,295
Trout.....	\$1,421	\$11	\$79,016	\$827,580	\$8,812,390	\$13,959	\$9,734,377
Wahoo.....	-	-	-	-	7	46,799	46,806
Yellowtail.....	-	-	-	-	94	\$25,387	\$25,391
Other fish.....	-	-	-	60	6,074	-	6,134
Opaleye.....	-	-	-	\$17	\$4,048	-	\$4,065
Queenfish.....	-	-	-	1,250	385	108	1,743
Rockfish group.....	698,442	3,424,924	3,021,269	2,515,667	455,341	92	10,115,735
hocaccio/chili	\$127,726	\$616,045	\$551,765	\$503,568	\$148,464	860	\$1,947,528
Rockfish, miscellaneous	16,157,247	1,720,399	3,001,564	2,930,483	1,109,305	1,112,068	26,031,066
Total	\$2,480,568	\$451,141	\$716,786	\$1,078,842	\$571,363	\$510,110	\$5,808,810

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TABLE 7. Value of Landings and Shipments of Commercial Fish Into California by Area, 1980

Sablefish.....	5,469,350	1,311,020	1,694,070	658,731	1,011,310	140,449	10,284,930
Salmon.....	\$905,593	\$198,295	\$117,638	\$13,923	\$181,771	\$30,368	\$1,751,794
Salmon.....	3,148,475	2,062,847	699,787	112,063	19	38	6,023,229
Salmon.....	\$6,862,046	\$4,632,274	\$1,617,235	\$274,903	\$40	\$55	\$13,386,553
Sanddab, Pacific.....	662,786	454,756	155,205	4,419	1,662	1,646	1,280,474
Sardine, Pacific.....	\$215,700	\$155,128	\$43,850	\$1,221	\$1,813	\$1,825	\$419,537
Sculpin.....	-	-	150	-	46,688	-	46,839
Sculpin.....	-	-	\$45	-	\$4,181	-	\$4,226
Seabass, white.....	-	-	-	61	10,260	48,147	59,168
Seabass, white.....	-	-	1,315	42,186	89,211	841,699	850,961
Shark, bigeye thresher.....	-	10,803	\$1,885	\$60,162	\$474,942	\$663,067	\$1,200,056
Shark, bonito.....	58	\$2,040	-	9,987	\$27	-	\$2,067
Shark, common thresher.....	\$11	\$130	-	\$6,816	\$81,252	\$11,265	\$99,474
Shark, Pacific angel....	-	378	827	270,028	1,212,250	321,524	1,806,067
Shark, Pacific angel....	-	\$198	\$367	\$178,889	\$837,242	\$219,114	\$1,235,810
Shark, Pacific angel....	-	2,406	-	108,216	7	1,422	111,051
Shark, Pacific angel....	-	\$600	-	\$28,739	835	\$463	\$29,837
Shark, soupfin.....	19,000	50,304	29,634	46,176	11,260	35,962	192,336
Shark, miscellaneous...	\$7,012	\$13,728	\$6,882	\$24,710	\$6,442	\$21,154	\$79,928
Shark, miscellaneous...	784	88,976	71,526	120,834	\$39,794	301,779	1,423,633
Sheephead, California..	\$237	\$28,671	\$16,189	\$68,883	\$500,676	\$174,725	\$789,381
Skate.....	-	-	-	4,418	3,319	1,368	9,105
Skate.....	65,160	20,659	56,192	12,347	858	-	155,216
Skate.....	\$16,192	\$4,505	\$9,140	\$2,809	\$207	-	\$32,853
Smelt, top or jack.....	367	3,289	7,396	287	21,835	511	33,685
Smelt, true.....	838	\$1,121	\$1,505	876	\$3,308	\$234	\$6,282
Smelt, true.....	110,210	10,164	1,226	-	743	-	122,343
Smelt, whitebait.....	\$13,027	\$2,926	\$303	-	\$139	-	\$16,395
Sole, Dover.....	388,548	36,631	12,046	-	869	-	\$38,004
Sole, Dover.....	\$104,066	\$11,059	\$4,630	-	\$159	-	\$119,914
Sole, Dover.....	14,929,500	2,121,880	\$62,072	123,472	-	-	18,046,924
Sole, English.....	\$2,863,440	\$441,391	\$177,135	\$76,937	-	-	\$3,658,903
Sole, English.....	2,049,810	1,643,260	570,625	309,697	132	-	4,573,524
Sole, English.....	\$604,674	\$490,777	\$151,299	\$92,846	\$79	-	\$1,335,675
Sole, petrale.....	1,184,340	614,311	265,802	286,009	-	63	2,350,525
Sole, petrale.....	\$539,445	\$271,860	\$122,133	\$133,527	-	\$76	\$1,067,041
Sole, rex.....	1,336,860	346,795	55,592	160,362	-	-	1,899,609
Sole, rex.....	\$444,222	\$117,780	\$19,775	\$53,810	-	-	\$634,587
Sole, sand.....	146,571	201,120	3,983	5,107	-	-	396,781
Sole, sand.....	\$55,352	\$78,474	\$1,365	\$1,868	-	-	\$137,059
Sole, miscellaneous....	59,088	6,193	15,596	15,782	1,412	1,509	99,580
Surfperch.....	\$12,327	\$2,211	\$4,910	\$5,509	8881	\$529	\$26,367
Surfperch.....	39,531	36,962	2,628	33,823	34,012	15,996	162,952
Surfperch.....	\$20,299	\$34,578	\$667	\$27,030	\$12,687	\$8,555	\$103,916
Swordfish.....	-	248	-	119,216	\$15,578	265,145	1,187,187
Thornyhead.....	-	\$806	-	\$307,757	\$2,113,950	\$719,314	\$3,141,827
Thornyhead.....	2,958,890	279,288	144,023	15,971	216	-	3,398,388
Tuna, albacore.....	\$677,417	\$61,139	\$32,280	\$3,252	\$130	-	\$774,218
Tuna, albacore.....	1,510,110	1,388,950	2,678,860	2,751,170	1,534,400	2,096,170	11,958,760
Tuna, bigeye.....	\$1,211,900	\$1,107,040	\$2,103,680	\$2,177,280	\$1,251,130	\$1,696,020	\$9,555,050
Tuna, bigeye.....	-	-	144	670	1,231,920	775,353	2,008,087
Tuna, bigeye.....	-	-	\$108	\$670	\$723,642	\$443,268	\$1,167,688

TABLE 7—Cont'd.

TABLE 7 (continued). Value of Landings and Shipments of Commercial Fish Into California by Area, 1980

Species	Eureka	San Francisco	Monterey	Santa Barbara	Los Angeles	San Diego	Total
Tuna, bluefin.....	-	-	80	-	3,464,750	1,906,170	5,371,000
Tuna, skipjack.....	412	-	\$30	-	\$2,137,670	\$1,131,370	\$3,269,070
Tuna, skipjack, black..	\$227	-	\$200	-	\$3,570,200	90,835,400	174,406,952
Tuna, yellowfin.....	-	-	-	-	\$45,777,200	\$46,195,000	\$91,972,200
Tuna, miscellaneous....	-	-	-	-	13,250	42,135	55,385
Turbot.....	140	50	65	362	\$1,048,700	99,135,800	190,185,117
Hahoo.....	\$76	\$18	\$29	\$345	\$55,024,600	\$57,501,000	\$112,525,600
Miscellaneous fish.....	-	-	616	-	91,610	46,132	138,358
Crustacean:	-	-	\$505	-	\$90,295	\$31,646	\$122,446
Crab, Dungeness.....	15,247,600	622,815	5,233	57,105	537	1,488	15,934,778
Crab, rock.....	\$9,127,240	\$590,015	\$7,010	\$44,558	\$714	\$911	\$9,770,948
Crab, spider.....	16,176	2,334	88	622,261	314,017	129,081	1,093,957
Lobster, California spiny.....	\$8,728	\$2,142	\$44	\$452,323	\$224,194	\$81,216	\$768,647
Prawn, ridgeback.....	-	-	-	2,533	7,336	-	9,869
Prawn, spot.....	-	-	-	\$988	\$3,271	-	\$4,259
Shrimp, Pacific ocean..	2,417,250	-	51	114,970	149,385	151,843	416,249
Shrimp, miscellaneous...	\$1,336,440	\$1,308	\$82	\$354,584	\$509,130	\$485,587	\$1,349,318
Miscellaneous crustacean....	-	-	-	281,661	-	-	281,661
Echinoderm:	-	-	-	\$202,865	-	-	\$202,865
Sea cucumber.....	-	-	-	7,737	203,307	-	211,044
Sea urchin.....	136,661	12,380	167	\$422,074	-	\$3,315	\$453,160
Mollusk:	\$24,375	\$2,589	\$94	\$2,302,200	\$465,481	\$249,752	\$3,665,091
Abalone, black.....	-	77	-	332,279	171,261	14,931	518,548
Abalone, green.....	-	-	-	\$380,274	\$214,316	\$17,962	\$612,552
Abalone, pink.....	-	-	-	2,925	46,980	13,276	63,181
	-	-	-	86,945	\$106,014	\$27,876	\$240,835
	-	108	133	69,784	46,828	22,053	138,906
	-	\$338	\$213	\$130,603	\$100,943	\$58,751	\$290,848

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TABLE 7. Value of Landings and Shipments of Commercial Fish Into California by Area, 1980

Abalone, red.....	-	63,336	864	408,079	4,461	39,111	516,731
Abalone, white.....	-	\$123,651	\$1,748	\$810,659	\$8,401	\$78,662	\$1,023,121
Abalone, miscellaneous..	-	-	-	-	37	819	1,076
Clam.....	-	12	-	882	\$610	\$2,841	\$3,533
Mussel.....	7,866	894	-	265	268	11	956
Octopus.....	\$2,441	-	-	\$351	\$1,252	632	\$1,729
Oyster, eastern.....	-	971	100	391	60	-	7,906
Oyster, European flat..	-	\$245	850	\$189	\$21	-	\$2,465
Oyster, giant Pacific..	83,818	39,181	4,920	1,265	820	-	1,522
Squid, market.....	\$37,806	\$18,359	\$2,672	\$531	\$1,020	-	\$2,804
Miscellaneous mollusk..	-	111	-	-	-	-	129,804
	-	\$578	-	-	-	-	\$60,390
	-	464	2,017	-	-	-	111
	559,665	84,805	\$11,262	-	-	-	\$578
	\$593,327	239,803	25,544	38,184	-	-	2,481
	731	155	15,712,600	2,417,890	15,775,600	10,670	\$16,067
	\$203	864	\$2,008,200	\$141,066	8883,320	\$1,411	\$63,196
	87	1,475	-	6,252	27,280	253	\$1,147,272
	\$44	\$1,081	-	\$1,648	\$7,289	862	33,917,646
	-	-	-	-	-	-	\$3,034,264
	-	-	-	-	-	-	35,347
	-	-	-	-	-	-	\$10,124
Total pounds.....	72,612,261	36,720,466	38,251,737	67,336,257	383,939,538	201,862,544	800,722,903
Total value.....	\$28,990,817	\$26,973,350	\$8,833,878	\$14,128,342	\$125,941,742	\$111,064,610	\$315,932,739
SHIPMENTS:							
Fish:							
Tuna, albacore.....	-	-	-	-	20,465,400	6,635,910	27,101,310
Tuna, blackfin.....	-	-	-	-	\$19,937,400	\$6,367,690	\$26,305,090
Tuna, bigeye.....	-	-	-	-	315,992	38,074	354,066
Tuna, skipjack.....	-	-	-	-	\$189,594	\$23,035	\$212,629
Tuna, skipjack,black...	-	-	-	-	506,565	-	506,565
Tuna, yellowfin.....	-	-	-	-	\$757,677	-	\$757,677
Tuna, miscellaneous....	-	-	-	-	82,630,800	70,433,000	153,063,800
	-	-	-	-	\$52,593,800	\$43,276,700	\$95,870,500
	-	-	-	-	48,942	51,424	100,366
	-	-	-	-	\$11,752	\$5,004	\$16,756
	-	-	-	-	12,046,400	15,857,800	27,904,200
	-	-	-	-	\$8,579,180	\$10,146,100	\$18,725,280
	-	-	-	-	773,952	-	773,952
	-	-	-	-	\$503,069	-	\$503,069
Total pounds.....	-	-	-	-	116,788,051	93,016,208	209,804,259
Total value.....	-	-	-	-	\$82,572,472	\$59,818,529	\$142,391,001
Grand total pounds..	72,612,261	36,720,466	38,251,737	67,336,257	500,727,689	294,878,752	1,010,527,162
Grand total value..	\$28,990,817	\$26,973,350	\$8,833,878	\$14,128,342	\$208,514,214	\$170,883,139	\$458,323,740

TABLE 7—Cont'd.



TABLE 8. Value of Landings and Shipments of Commercial Fish Into California by Area, 1981

Species	Eureka	San Francisco	Monterey	Santa Barbara	Los Angeles	San Diego	Total
<b>LANDINGS:</b>							
<b>Fish:</b>							
Anchovy, northern.....	-	465,138	10,178,610	20,049,132	84,620,828	3,771	115,317,479
Barracuda, California..	-	\$52,516	\$268,427	\$570,784	\$2,345,511	\$654	\$3,237,892
Bass, giant sea.....	25	16	-	\$1,329	\$42,533	\$6,600	\$50,452
Bonito, Pacific.....	\$20	\$20	-	\$2,309	\$10,367	\$24,470	\$37,186
Butterfish, Pacific....	-	53	959	204,482	13,733,579	2,676,978	16,615,051
Cabazon.....	-	\$24	\$384	\$51,618	\$3,772,909	\$740,081	\$4,565,016
Croaker, white.....	412	\$339	2,285	28,809	20,040	567	75,691
Dolphinfish.....	\$28	\$13,498	\$44,776	\$16,180	\$13,382	\$301	\$74,978
Flounder, arrowtooth...	105,537	-	-	-	-	90	105,600
Flounder, miscellaneous	\$10,582	405,494	35,792	53,305	25	83	\$10,585
Flyingfish.....	159,790	\$114,829	\$15,181	\$18,760	\$22	\$30	\$192,040
Grenadier.....	72,438	-	-	-	54,588	-	127,026
Grouper.....	\$7,130	-	-	3,660	4,644	10	15,444
Hake, Pacific.....	1,442,424	24,669	85	\$1,031	\$1,191	85	\$2,227
Halibut, California....	\$111,527	\$2,542	\$17	\$4	-	\$14	\$114,104
Halibut, California....	-	-	-	\$18	2,379	366	\$2,563
Halibut, California....	-	-	-	\$137	\$1,489	\$220	\$1,846
Herring, Pacific.....	1,092	317,365	40,709	680,175	173,316	49,008	1,262,265
Lingcod.....	\$1,020	\$338,462	\$48,455	\$1,165,341	\$286,839	\$79,694	\$1,919,711
Mackerel.....	102,446	12,763,055	276,789	-	15	-	13,142,305
Mullet, striped.....	\$60,722	\$4,678,412	\$34,298	-	86	-	\$4,773,438
Opah.....	1,044,161	885,092	400,678	352,602	9,075	8,244	2,639,852
Opaleye.....	\$296,823	\$219,330	\$84,666	\$79,968	\$3,867	\$4,693	\$689,347
Ray, miscellaneous.....	4,318	4,280	3,462,902	17,022,512	96,460,978	95,331	117,210,321
Rockfish group, bocaccio/chili	\$516	\$878	\$318,365	\$1,602,265	\$9,051,780	\$13,134	\$10,986,938
Rockfish group, bocaccio/chili	-	-	-	-	-	29,654	29,654
Rockfish group, bocaccio/chili	-	-	-	-	-	\$20,030	\$20,030
Rockfish group, bocaccio/chili	-	-	-	-	-	2,293	2,293
Rockfish group, bocaccio/chili	-	-	-	-	-	\$471	\$1,264
Rockfish group, bocaccio/chili	-	-	-	-	5,272	90	5,362
Rockfish group, bocaccio/chili	-	-	-	969	\$3,448	\$180	\$3,628
Rockfish group, bocaccio/chili	-	-	-	-	-	-	99
Rockfish group, bocaccio/chili	318,922	2,503,637	2,066,832	2,467,968	460,216	13,792	7,831,367
Rockfish group, bocaccio/chili	\$51,536	\$431,724	\$361,972	\$497,295	\$155,413	\$5,087	\$1,503,027

TABLE 8. Value of Landings and Shipments of Commercial Fish Into California by Area, 1981

Rockfish, widow.....	1,589,761	3,331,308	46,875	-	-	-	4,967,944
	\$245,444	\$509,920	\$7,963	-	-	-	\$763,327
Rockfish, miscellaneous	14,678,408	4,377,547	2,550,511	2,713,868	1,340,721	1,634,175	27,295,230
	\$2,245,869	\$892,981	\$597,506	\$1,194,615	\$749,447	\$755,604	\$6,399,022
Sablefish.....	7,574,632	1,624,615	1,920,714	106,530	3,468,310	32,680	14,727,481
	\$1,400,655	\$261,557	\$299,495	\$15,717	\$762,554	\$13,200	\$2,753,178
Salmon.....	3,225,901	2,095,280	608,375	116,498	10	-	6,046,164
	\$7,628,475	\$5,567,194	\$1,621,267	\$350,602	\$25	-	\$15,167,563
Sanddab, Pacific.....	335,387	458,746	132,611	9,660	1,172	1,587	942,163
	\$111,760	\$156,752	\$40,837	\$2,796	\$1,443	\$1,300	\$314,888
Sardine, Pacific.....	-	5	-	37	32,512	-	32,554
	-	-	106	176	\$7,013	-	\$7,189
Sculpin.....	-	-	106	817	44,563	11,439	\$6,284
	-	-	\$106	\$147	\$36,906	\$9,764	\$46,613
Seabass, white.....	-	16	339	23,491	362,902	389,285	776,033
	-	\$20	\$534	\$39,261	\$491,656	\$536,726	\$1,070,217
Shark, bonito.....	168	20	-	9,489	211,704	55,964	277,245
	\$69	\$1	-	\$6,080	\$120,673	\$35,447	\$162,270
Shark, common thresher.	-	919	810	275,981	1,017,627	678,700	1,974,027
	-	\$668	\$244	\$197,843	\$772,591	\$503,876	\$1,475,222
Shark, Pacific angel...	-	2,853	527	260,114	4,507	639	268,640
	-	\$717	\$184	\$86,728	\$1,500	\$236	\$89,365
Shark, soupfin.....	8,659	58,181	4,461	73,369	43,456	76,812	264,438
	\$3,998	\$23,166	\$1,401	\$41,466	\$26,273	\$48,834	\$145,038
Shark, miscellaneous...	2,641	96,441	32,166	77,450	561,692	139,206	909,596
	\$1,184	\$33,784	\$8,378	\$43,760	\$336,544	\$88,681	\$512,331
Sheephead, California..	-	-	-	3,909	7,014	-	1,987
	-	-	-	\$1,459	\$2,688	\$854	\$5,001
Skate.....	440,629	53,468	105,547	30,376	1,400	-	631,420
	\$48,391	\$9,429	\$11,359	\$4,557	\$347	-	\$74,083
Smelt, top or jack.....	2,119	4,989	3,494	1,714	4,098	269	16,683
	\$170	\$1,330	\$1,049	\$343	\$953	\$135	\$3,980
Smelt, true.....	111,054	12,549	165	-	3,545	402	127,715
	\$11,136	\$3,817	\$41	-	\$662	\$202	\$15,858
Smelt, whitebait.....	261,541	23,187	12,178	-	862	250	297,791
	\$69,517	\$6,543	\$4,218	-	\$115	\$125	\$80,518
Sole, Dover.....	16,139,168	2,945,802	1,135,138	135,195	-	-	20,418,283
	\$3,575,274	\$646,792	\$250,138	\$26,855	-	-	\$4,499,059
Sole, English.....	1,599,078	1,266,625	445,295	458,252	12	-	3,773,262
	\$489,667	\$395,524	\$121,019	\$140,450	\$25	-	\$1,146,665
Sole, petrale.....	743,872	496,080	247,491	287,589	22	-	1,778,054
	\$383,161	\$238,174	\$116,832	\$146,036	\$22	-	\$886,225
Sole, rex.....	1,223,911	302,377	56,215	145,207	-	44	1,727,754
	\$408,801	\$104,619	\$16,877	\$48,776	-	813	\$581,086
Sole, sand.....	116,686	309,242	4,741	9,145	-	29	439,843
	\$53,462	\$141,265	\$1,389	\$3,411	-	815	\$199,542
Sole, miscellaneous....	27,037	8,124	5,130	12,757	584	340	\$7,972
	\$4,620	\$3,054	\$3,503	\$4,128	\$365	\$173	\$15,843
Surfperch.....	58,052	33,664	318	43,567	22,518	24,516	182,675
	\$36,408	\$22,923	\$165	\$39,643	\$10,009	\$11,560	\$133,918
Swordfish.....	-	375	-	120,241	560,593	461,688	1,142,897
	-	\$1,313	-	\$389,987	\$1,698,514	\$1,291,339	\$3,381,153
Thornyhead.....	3,323,591	399,755	141,241	-	-	-	3,876,485
	\$761,580	\$84,477	\$30,487	\$2,690	-	-	\$879,234
Tuna, albacore.....	5,003,483	4,963,666	3,464,392	2,185,663	2,086,422	2,880,425	26,584,321
	\$4,439,551	\$4,320,386	\$3,025,181	\$1,910,946	\$1,891,508	\$2,572,401	\$18,159,973
Tuna, bigeye.....	-	-	-	163	1,383,028	1,191,545	2,574,736
	-	-	-	\$204	\$838,387	\$701,935	\$1,540,536

MARINE FISH LANDINGS 1977 - 1986

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TABLE 8—Cont'd.

TABLE 8 (continued). Value of Landings and Shipments of Commercial Fish Into California by Area, 1981

Species	Eureka	San Francisco	Monterey	Santa Barbara	Los Angeles	San Diego	Total
Tuna, bigeye.....	-	-	-	163	1,383,028	1,191,545	2,574,736
Tuna, bluefin.....	-	-	-	\$204	\$838,387	\$701,935	\$1,540,526
Tuna, skipjack.....	-	-	-	11,434	1,622,146	275,168	1,912,748
Tuna, yellowfin.....	-	-	-	\$6,289	\$1,067,821	\$202,148	\$1,276,258
Tuna, miscellaneous....	389	2,648	66,550	-	\$36,676,602	\$30,720,276	127,578,862
Turbot.....	\$233	\$1,397	\$39,930	5,302	82,965,411	84,710,812	167,751,112
Mahoe.....	\$4,746	\$1,103	\$1,114	\$2,396	\$49,988,018	\$49,214,764	\$99,247,296
Yellowtail.....	-	-	-	-	4,824	6,052	10,876
Miscellaneous fish.....	-	415	1,051	180	150,667	194,984	347,297
Crustaceans:	156,467	17,233	2,831	\$147	\$76,366	\$118,409	\$195,409
Crab, Dungeness.....	\$1,753	\$5,952	\$992	\$22,698	68,755	155,583	401,495
Crab, rock.....	10,064,879	244,336	15,614	10,504	\$58,987	\$247	\$90,599
Crab, spider.....	88,842,416	\$448,635	\$14,627	\$11,421	-	108	10,435,441
Lobster, California	2,671	-	-	719,411	380,503	263,364	\$9,317,165
Prawn, ridgeback.....	\$1,323	\$4,025	-	\$543,618	\$295,832	\$186,306	1,375,227
Prawn, spot.....	-	-	-	5,609	5,305	-	\$1,031,104
Shrimp, Pacific ocean..	-	-	-	82,296	82,530	-	84,826
Shrimp, miscellaneous..	-	-	-	117,789	184,980	176,094	478,863
Miscellaneous crustacean....	-	-	-	\$400,456	\$641,328	\$595,584	\$1,637,368
Sea urchin.....	308	2,888	-	192,637	-	-	192,637
Miscellaneous echinoderm....	\$924	\$8,859	-	\$166,025	-	-	\$166,025
Mollusk:	3,038,483	\$8,074	8,859	350,783	6,957	741	370,536
Abalone, black.....	\$1,518,622	15,717	\$38,337	\$761,500	\$15,142	\$1,783	\$815,760
Abalone, green.....	-	551	1,106,082	3,662	-	-	4,164,495
Abalone, pink.....	-	\$7,870	\$363	\$592,979	\$7,324	-	\$2,127,158
	-	2,448	1,484	9,564	7,062	62	20,620
	-	\$1,274	\$7,310	\$5,057	\$11,783	\$154	\$25,578
	-	-	-	-	112	-	112
	-	-	-	-	890	-	890
	209,959	22,713	-	19,221,364	4,658,963	2,320,987	26,433,986
	\$44,320	\$6,378	-	\$3,842,179	\$857,960	\$286,652	\$5,037,489
	-	-	-	32,884	500	-	33,384
	-	-	-	\$5,174	\$125	-	\$5,299
	-	506	-	375,249	133,759	11,334	520,948
	225	\$953	-	\$497,211	\$201,385	\$14,654	\$714,203
	-	715	-	2,496	45,553	14,961	63,950
	-	\$224	-	\$7,377	\$139,844	\$27,251	\$174,796
	-	12	10	45,692	34,151	14,262	94,127
	-	\$32	\$25	\$109,119	\$82,981	\$31,736	\$223,893

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TABLE 8. Value of Landings and Shipments of Commercial Fish Into California by Area, 1981

Abalone, red.....	-	54,705	736	304,680	3,319	66,875	430,315
Abalone, white.....	-	\$128,548	\$1,658	\$720,922	\$8,136	\$149,920	\$1,009,184
Abalone, miscellaneous..	-	-	-	17	133	-	167
Clam.....	-	-	-	\$55	\$60	\$435	\$550
Mussel.....	1,436	-	-	106	-	34	140
Octopus.....	\$1,031	-	-	\$274	-	\$249	\$523
Oyster, giant Pacific..	-	647	320	5,545	693	-	1,444
Oyster, European flat..	52,267	\$332	\$228	\$2,762	\$306	-	\$1,039
Scallop, weathervane...	\$26,006	25,041	3,540	3,591	97	35	7,205
Snail, sea.....	-	\$12,564	\$1,788	\$1,598	\$73	\$53	\$3,628
Squid, market.....	-	1,441	10,850	-	-	-	84,571
Miscellaneous mollusk..	-	\$7,433	\$76,554	-	-	-	12,291
Total pounds.....	580,928	419,164	-	49,600	-	-	853,987
Total value.....	\$625,040	\$877,393	-	\$95,900	-	-	\$1,558,233
SHIPMENTS:	512,978	-	-	-	-	-	512,978
Fish:	\$143,290	-	-	-	-	-	\$143,290
Tuna, albacore.....	18	1,455	-	10,867	19,886	1,646	33,872
Tuna, bigeye.....	89	\$1,130	-	\$2,785	\$5,149	\$427	\$9,500
Tuna, blackfin.....	4,959	16	28,269,009	5,268,659	18,277,519	9,556	\$1,829,718
Tuna, bluefin.....	\$1,041	\$7	\$3,918,309	\$265,436	\$960,555	\$1,802	\$5,147,150
Tuna, skipjack.....	-	19	475	1,404	-	-	1,898
Tuna, skipjack, black..	-	\$29	\$475	\$3,431	-	-	\$3,935
Tuna, yellowfin.....	-	-	-	-	-	-	-
Tuna, miscellaneous....	-	-	-	-	-	-	-
Total pounds.....	74,558,753	41,231,234	56,418,504	76,088,560	382,567,349	159,481,580	790,345,980
Total value.....	\$33,719,202	\$20,818,686	\$11,556,339	\$16,751,364	\$114,664,232	\$89,066,641	\$286,606,524
Grand total pounds..	74,558,753	41,231,234	56,418,504	76,088,560	481,178,804	242,482,999	971,958,854
Grand total value...	\$33,719,202	\$20,818,686	\$11,586,339	\$16,751,364	\$187,757,975	\$150,641,687	\$421,275,253

TABLE 8—Cont'd.

TABLE 9. Value of Landings and Shipments of Commercial Fish Into California by Area, 1982

Species	Dureka	San Francisco	Monterey	Santa Barbara	Los Angeles	San Diego	Total
<b>LANDINGS:</b>							
<b>Fish:</b>							
Anchovy, northern.....	-	870,026	5,752,060	14,361,419	71,940,472	-	92,923,977
Barracuda, California..	-	\$106,302	\$136,183	\$349,646	\$1,540,186	-	\$2,132,317
Bass, giant sea.....	-	-	-	7,565	57,272	8,557	73,394
Bonito, Pacific.....	-	-	-	\$5,304	\$48,027	\$5,649	\$58,980
Butterfish, Pacific....	-	-	-	2,031	2,599	2,369	6,999
Cabazon.....	2,023	37,403	3,809	15,873	5	15	52,214
Croaker, white.....	\$246	\$8,377	\$1,331	\$2,763	\$4	\$8	\$12,729
Flounder, arrowtooth...	-	389,673	487,010	148,835	288,788	17,495	1,331,801
Flounder, starry.....	\$11,024	\$103,706	\$122,060	\$63,384	\$90,842	\$10,915	\$389,907
Flounder, miscellaneous	-	-	-	\$16	-	-	106,414
Flyingfish.....	-	1,500	206	817	28	-	2,451
Grenadier.....	94,699	284,759	22,847	47,283	98	4	449,690
Grouper.....	\$28,461	\$85,239	\$9,182	\$16,548	\$56	\$6	\$139,492
Hake, Pacific.....	-	-	-	-	153,246	-	153,246
Halibut, California....	98,383	-	-	-	\$73,437	-	\$171,820
Herring, Pacific.....	49,872	-	-	3,620	6,414	-	10,904
Lingcod.....	2,234,861	15,886	500	\$1,167	\$1,780	-	\$2,947
Mackerel.....	\$179,005	\$2,180	\$50	-	6	-	\$181,238
Mullet, striped.....	1,849	423,948	39,842	546,338	163,197	40,001	1,214,175
Opah.....	\$804	\$57,665	\$53,694	\$951,429	\$276,138	\$71,667	\$1,881,497
Ray, miscellaneous....	111,425	22,714,495	551,583	246	-	-	23,377,749
Rockfish group.....	\$61,041	\$9,972,342	\$51,283	\$64	-	-	\$10,094,730
Rockfish, boccaccio/chili	1,294,408	949,516	409,874	360,776	19,233	3,116	3,036,233
Rockfish, widow.....	\$336,676	\$239,641	\$85,876	\$87,049	\$9,941	\$1,674	\$760,857
Rockfish, miscellaneous	12,013	9,878	5,144,920	11,668,997	105,854,292	66,323	122,756,423
Sardine.....	\$1,046	\$1,765	\$356,984	\$1,106,070	\$9,696,376	\$13,416	\$11,175,657
Shrimp.....	-	-	-	-	522	25,696	26,218
Squid.....	-	-	-	-	\$235	\$16,534	\$16,769
Trout, rainbow.....	-	-	139	7,010	11,948	50,250	69,347
Salmon.....	-	-	870	\$4,436	\$4,712	\$21,728	\$30,946
Sea urchin.....	11,160	79	-	-	1,167	10	12,416
Shrimp.....	-	-	-	-	\$3,607	5	\$3,612
Crab, rock.....	1,332,883	2,490,547	3,383,834	2,844,273	528,931	24,396	10,604,864
Crab, tanner.....	\$266,627	\$528,178	\$667,185	\$587,318	\$178,875	\$9,910	\$2,238,093
Crab, rockfish.....	\$,942,338	11,904,894	1,650,700	144,453	-	-	22,642,385
Crab, rockfish, miscellaneous	\$1,351,487	\$1,660,584	\$242,265	\$26,236	-	-	\$3,280,572
Crab, rockfish, miscellaneous	8,357,594	2,745,952	2,556,416	3,635,167	1,518,605	1,724,453	20,538,187
Crab, rockfish, miscellaneous	\$1,655,157	\$700,552	\$662,882	\$1,510,449	\$885,900	\$826,053	\$6,242,993

TABLE 9. Value of Landings and Shipments of Commercial Fish Into California by Area, 1982

Sablefish.....	10,932,983	2,587,747	2,188,190	88,792	5,085,203	113,338	20,996,253
Salmon.....	82,063,071	8420,784	8347,307	813,308	82,386,027	840,376	85,241,474
Sanddab Pacific.....	3,841,351	2,830,544	1,044,747	241,823	43,121	272	8,001,858
Sardine, Pacific.....	89,214,749	87,257,938	82,752,511	8689,171	8132,269	8817	820,047,446
Sculpin.....	324,942	642,213	79,317	6,192	875	4,075	1,057,814
Seabass, white.....	8114,880	8229,394	825,240	81,603	8600	83,948	8375,665
Shark, bigeye thresher.....	-	-	86	-	3,924	-	4,010
Shark, bonito.....	-	-	843	-	8376	-	8419
Shark, common thresher.....	-	875	-	-	39,630	21,388	62,264
Shark, Pacific angel...	-	8605	-	8287	831,109	817,991	850,002
Shark, miscellaneous.....	-	54	387	27,035	21,642	21,677	70,795
Sheephead, California..	-	293	8696	847,503	838,224	840,630	8127,146
Skate.....	-	2,547	-	247	3,162	30,313	36,269
Smelet, top or jack.....	132	8676	428	8179	81,919	812,332	815,106
Smelet, true.....	838	-	8275	34,539	265,239	233,501	533,839
Sole, Dover.....	247	3,885	21,110	485,089	911,149	975,691	2,397,171
Sole, English.....	8185	82,843	816,225	8414,405	8752,899	8796,086	81,982,673
Sole, petrale.....	-	675	-	313,596	3,664	1,025	318,960
Sole, rex.....	-	8252	-	8104,304	81,198	8326	8106,680
Sole, sand.....	11,199	73,652	2,123	67,294	43,072	53,164	8250,504
Sole, miscellaneous.....	86,558	836,050	8863	841,215	832,482	842,754	8159,922
Spinyhead, California..	10,810	90,287	25,138	87,799	143,578	91,712	449,024
Sturgeon.....	84,199	839,105	89,133	856,372	890,704	852,347	8251,860
Swamphead.....	-	-	-	7,999	3,529	1,148	11,776
Thornyhead.....	159,570	47,174	60,682	18,822	1,560	-	287,808
Tautog.....	827,209	812,157	812,744	82,480	81,824	8528	84,832
Tautog, top or jack.....	50	9,272	3,737	83,937	8500	-	856,547
Tautog, true.....	86	83,858	8550	404	75,213	94	88,770
Tautog, whitebait.....	230,908	22,215	9,387	897	811,009	838	815,558
Tautog, miscellaneous.....	824,792	87,291	83,736	-	85	-	262,840
Tautog, whitebait.....	265,174	50,618	20,054	-	10	-	835,824
Tautog, Dover.....	894,890	814,735	86,639	-	83	-	435,856
Tautog, English.....	16,524,508	3,631,945	1,692,178	240,859	-	-	22,089,490
Tautog, petrale.....	83,874,816	8816,083	8365,459	850,665	-	-	85,109,663
Tautog, rex.....	1,336,679	1,189,147	369,347	325,328	-	970	1,221,471
Tautog, sand.....	843,594	8391,328	8108,139	8106,020	844	8320	81,043,401
Tautog, miscellaneous.....	860,313	854,723	251,860	373,856	844	725	1,741,721
Tautog, sand.....	8395,086	8257,432	8145,252	8223,851	8568	8192	81,022,381
Tautog, miscellaneous.....	905,122	353,036	46,342	161,608	8	839	1,466,411
Tautog, sand.....	8318,783	8126,427	816,217	854,766	85	8106	8516,304
Tautog, miscellaneous.....	114,328	207,619	619	5,269	-	-	327,835
Tautog, miscellaneous.....	859,017	8106,273	8276	81,522	-	-	8167,458
Tautog, miscellaneous.....	34,991	27,722	1,053	4,379	1,565	142	69,852
Tautog, miscellaneous.....	85,981	810,868	8510	81,590	8838	843	822,830
Tautog, miscellaneous.....	86,464	39,950	3,098	58,698	121,672	57,822	367,704
Tautog, miscellaneous.....	860,690	844,346	8741	856,343	821,582	827,736	8211,438
Tautog, miscellaneous.....	-	67	8,681	200,776	753,476	728,161	1,451,161
Tautog, miscellaneous.....	-	8161	826,737	8633,530	82,329,554	82,130,947	85,120,929
Tautog, miscellaneous.....	3,610,193	851,977	275,275	19,252	994	-	4,457,691
Tautog, miscellaneous.....	8928,123	8121,720	861,319	86,378	8547	-	81,016,087
Tautog, miscellaneous.....	1,029,628	522,323	440,860	321,829	4,801,507	2,320,791	9,436,938
Tautog, miscellaneous.....	8648,210	8374,473	8286,796	8228,084	83,236,857	81,613,132	86,287,552
Tautog, miscellaneous.....	-	141	-	97	607,785	1,525,626	2,133,848
Tautog, miscellaneous.....	-	899	-	8121	8327,259	8837,274	81,164,753

MARINE FISH LANDINGS 1977-1986

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TABLE 9—Cont'd.

TABLE 9 (continued). Value of Landings and Shipments of Commercial Fish Into California by Area, 1982

Species	Eureka	San Francisco	Monterey	Santa Barbara	Los Angeles	San Diego	Total
Tuna, bluefin.....	339	-	-	56	5,026,169	274,692	5,301,256
Tuna, skipjack.....	-	-	-	\$11	\$2,547,093	\$141,482	\$2,688,586
Tuna, yellowfin.....	143	74	813	1,520	55,235,745	37,146,094	92,381,839
Tuna, miscellaneous....	867	\$93	\$750	\$1,309	\$23,821,594	\$18,326,194	\$40,147,788
Turbot.....	90	10	116	590	70,725,993	65,447,756	136,173,299
Mahoe.....	35,027	3,140	149	9,036	\$37,715,110	\$36,342,317	\$74,057,427
Yellowtail.....	-	-	-	-	6	-	47,398
Miscellaneous fish.....	506,670	14,961	8,118	57,207	151,341	12,545	750,842
Crustacean:	\$48,938	\$5,484	\$2,421	\$20,423	\$66,092	\$6,511	\$149,869
Crab, Dungeness.....	6,463,716	500,361	2,642	6,304	656	-	6,973,679
Crab, rock.....	\$6,993,571	\$663,321	\$4,070	\$5,442	\$409	-	\$7,666,023
Crab, spider.....	8,058	15,733	16	837,593	219,412	197,060	1,277,872
Lobster, California spiny.....	\$8,574	\$8,395	\$8	\$664,986	\$177,447	\$156,147	\$1,016,557
Prawn, ridgeback.....	-	-	-	9,251	7,244	-	16,495
Prawn, spot.....	60	1,439	19,645	277,975	3,124	25	302,268
Shrimp, Pacific ocean..	8390	\$2,907	\$94,012	\$798,767	\$6,873	875	\$903,024
Shrimp, miscellaneous..	\$2,057,801	\$3,215	\$160	\$296,463	\$28	-	\$2,357,667
Miscellaneous crustacean....	-	\$73	497	382	83	-	1,035
Echinoderm:	-	-	-	250	816	-	1,066
Sea cucumber.....	-	-	-	\$500	\$1,055	-	\$1,555
Sea urchin.....	56,577	12,042	1,236	13,839,259	3,256,603	2,275,434	19,441,151
Miscellaneous echinoderm....	\$9,389	\$3,384	\$323	\$2,924,639	\$574,021	\$420,297	\$3,531,853
Mollusk:	-	-	30	70,734	32,577	100	103,441
Abalone, black.....	-	125	-	\$10,946	\$4,079	850	\$15,105
Abalone, green.....	409	\$175	-	454,166	167,324	11,692	633,307
Abalone, pink.....	-	-	-	\$576,328	\$233,396	\$16,110	\$826,009
	-	-	-	2,677	70,126	19,421	88,445
	-	-	-	\$7,595	\$231,624	\$46,059	\$285,278
	-	-	-	\$3,136	24,171	86,871	86,178
	-	-	-	\$107,555	\$69,972	\$48,405	\$225,932

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TABLE 9. Value of Landings and Shipments of Commercial Fish Into California by Area, 1982

Abalone, red.....	-	66,964	-	320,189	4,862	39,270	431,285
Abalone, white.....	-	\$131,788	-	\$724,440	\$10,053	\$88,124	\$974,406
Abalone, miscellaneous.....	-	-	-	62	180	66	408
Clam.....	546	\$706	49	\$122	142	-	\$838
Mussel.....	8441	-	844	150	173	-	887
Octopus.....	-	1,313	805	1,578	2,894	17	7,387
Oyster, eastern.....	38,152	32,098	10,523	8854	\$1,519	89	84,084
Oyster, European flat..	\$20,145	\$17,095	\$7,535	63,159	805	124	88,917
Oyster, giant Pacific..	-	53	-	-	1,349	\$115	\$49,446
Scallop, weathervane...	-	\$394	-	-	-	-	53
Snail, sea.....	-	3,805	-	-	-	-	\$394
Squid, market.....	492,209	\$19,750	-	118,250	-	-	\$19,750
Miscellaneous mollusk..	\$521,735	\$95,745	-	\$131,175	-	-	1,106,204
Total pounds.....	74,412,782	57,352,337	50,020,298	56,983,034	343,260,285	114,845,790	696,874,526
Total value.....	\$31,750,688	\$26,120,502	\$9,617,852	\$14,178,784	\$90,278,321	\$61,327,459	\$233,273,606
<b>SHIPMENTS:</b>							
<b>Fish:</b>							
Tuna, albacore.....	-	-	-	20,883,045	2,445,842	23,328,887	-
Tuna, bigeye.....	-	-	-	\$22,955,327	\$2,449,904	\$25,405,231	-
Tuna, blackfin.....	-	-	-	45,122	42,208	87,330	-
Tuna, bluefin.....	-	-	-	\$34,246	\$28,479	\$62,725	-
Tuna, skipjack.....	-	-	-	169,824	69,238	239,062	-
Tuna, skipjack,black...	-	-	-	\$101,760	\$39,812	\$141,572	-
Tuna, yellowfin.....	-	-	-	213,408	-	213,408	-
Tuna, miscellaneous....	-	-	-	\$122,711	-	\$122,711	-
Total pounds.....	-	-	-	88,572,578	15,419,444	103,992,022	-
Total value.....	-	-	-	\$41,020,779	\$6,662,606	\$47,683,385	-
Grand total pounds..	74,412,782	57,352,337	50,020,298	56,983,034	471,599,430	136,396,868	846,764,749
Grand total value...	\$31,750,688	\$26,120,502	\$9,617,852	\$14,178,784	\$164,987,578	\$72,500,729	\$319,156,161

MARINE FISH LANDINGS 1977-1986 35

TABLE 9—Cont'd.



TABLE 10. Value of Landings and Shipments of Commercial Fish Into California by Area, 1983

Species	Eureka	PPR San Francisco	Monterey	San Barbara	Los Angeles	San Diego	Total
<b>Landings:</b>							
<b>Fish:</b>							
Anchovy, northern.....	-	732,501	707,134	6,061,296	2,254,482	3,787	9,759,200
Barracuda, California..	-	875,416	844,279	\$161,147	\$130,390	\$687	\$411,919
Bass, giant sea.....	-	70	141	1,478	16,469	2,898	21,256
Bonito, Pacific.....	-	857	871	\$1,321	\$14,168	\$1,841	\$17,458
Butterfish, Pacific....	-	2	18	1,536	1,346	838	3,740
Cabezon.....	873	-	814	\$2,015	\$1,522	11	\$998
Croaker, white.....	8306	75,160	90,039	382,086	7,540,844	65,179	8,154,181
Flounder, arrowtooth...	-	825,492	\$21,208	872,243	\$1,324,572	\$14,756	\$1,458,577
Flounder, starry.....	-	4,439	1,278	43,082	6,173	50	55,022
Flounder, miscellaneous	-	84,358	\$3,179	\$28,684	85,436	830	\$41,667
Flyingfish.....	1,440	15,465	472	5,965	162	11	20,515
Grenadier.....	\$136	\$3,068	\$133	\$505	\$71	88	\$3,921
Hake, Pacific.....	50	316,723	79,945	162,754	217,147	6,934	783,153
Halibut, California....	\$20	\$72,844	\$19,267	\$53,084	\$67,366	\$3,474	\$216,055
Herring, Pacific.....	\$2,299	2,196	-	-	-	-	54,405
Lingcod.....	\$5,330	8745	-	-	-	-	\$6,075
Mackerel.....	35,622	62,850	1,578	4,016	-	-	104,066
Mullet, striped.....	\$11,040	\$19,411	\$473	\$1,474	-	-	\$32,398
Opah.....	44,821	314,450	18,696	33,399	485	2,399	414,250
Ray, miscellaneous.....	\$13,458	\$94,592	\$6,662	\$12,117	\$459	\$743	\$128,031
Rockfish group.....	-	-	-	-	38,893	-	38,893
Succasio/chili	168,280	-	1,090	-	\$19,448	-	\$19,448
Socaccio/red....	\$19,302	-	\$109	-	-	-	\$19,370
Groupers.....	-	-	-	128	41,987	198	42,313
Hake, Pacific.....	2,153,347	6,603	-	853	\$12,054	\$190	\$12,297
Halibut, California....	\$161,309	951	-	17	934	3	2,160,904
Herring, Pacific.....	385	551,806	22,510	372,584	131,331	51,965	\$161,337
Lingcod.....	\$570	\$735,043	\$35,741	\$667,350	\$235,550	\$93,564	\$1,767,818
Mackerel.....	69,461	17,335,131	285,986	6	17	-	17,690,601
Mullet, striped.....	\$45,070	\$12,457,247	\$144,365	82	84	-	\$12,646,888
Opah.....	\$60,842	603,141	304,283	101,994	4,229	2,301	1,976,790
Ray, miscellaneous.....	\$249,223	\$125,404	\$70,061	\$26,374	\$1,039	\$1,039	\$504,237
Rockfish group.....	6,453	32,281	13,021,204	10,285,981	89,709,119	41,385	113,096,423
Succasio/chili	8905	\$3,320	\$793,684	\$827,284	\$8,126,009	\$10,079	\$9,761,181
Mullet, striped.....	-	-	-	-	-	43,134	43,134
Opah.....	-	2,509	24,881	41,371	33,081	\$26,148	\$26,148
Ray, miscellaneous.....	8,970	8624	86,806	\$13,060	89,219	\$22,580	\$52,289
Rockfish group.....	-	5,503	1	56	1,024	-	15,554
Succasio/chili	458,706	4,936,235	1,840,860	1,836,530	728,837	40,484	9,841,652
Socaccio/red....	\$104,104	\$1,104,218	\$392,870	\$448,751	\$211,560	\$16,577	\$2,278,220
Rockfish group, red....	1,267,489	398,703	155,079	339,674	18,618	24,149	2,203,712
	\$303,869	\$104,585	\$75,280	\$226,930	\$13,977	\$14,479	\$739,120

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TABLE 10. Value of Landings and Shipments of Commercial Fish Into California by Area, 1983

Rockfish group, rosefish.....	215,373	329,465	362,775	134,886	34,319	327	1,077,155
Rockfish, widow.....	841,087	862,488	869,398	827,312	88,087	8164	8208,136
Rockfish, miscellaneous	5,316,431	2,216,288	59,536	42,364	-	-	7,434,619
Sablefish.....	81,931,424	8441,479	810,704	89,911	-	-	81,493,118
Salmon.....	8,326,320	2,859,390	4,077,007	2,233,505	668,742	1,615,620	19,780,884
Sanddab, Pacific.....	81,741,315	8783,560	81,041,723	8924,136	8404,063	8802,956	85,697,953
Sardine, Pacific.....	6,151,855	1,465,051	1,389,950	374,268	6,429,596	2,872	14,613,392
Sculpin.....	81,159,637	8183,547	8231,234	828,060	81,874,826	8812	83,478,116
Seabass, white.....	1,128,486	593,559	580,432	153,930	436	-	2,414,883
Shark, bigeye thresher.....	81,968,832	81,122,592	81,244,302	8379,578	81,132	-	84,736,436
Shark, common thresher.....	234,624	286,364	41,666	1,174	436	1,575	565,839
Shark, Pacific angel.....	884,482	8103,131	813,606	8335	284	81,587	8203,425
Shark, soupfin.....	-	-	35	4	1,345	-	1,384
Shark, miscellaneous.....	-	-	813	81	8161	-	8175
Sheephead, California.....	-	-	-	820	24,489	6,410	31,719
Skate.....	40	1,272	8366	816,920	84,852	84,852	822,138
Smelt, top or jack.....	810	82,369	81,260	16,898	39,519	24,813	77,964
Smelt, true.....	-	15,540	39,061	15,223	28,188	26,547	124,559
Sole, English.....	-	87,368	824,930	810,516	830,329	817,795	890,902
Sole, petrale.....	59	4,304	21,576	79,344	131,088	93,889	330,260
Sole, rex.....	823	82,541	814,526	956,277	894,429	862,376	8230,174
Sole, sand.....	783	15,440	65,937	687,477	665,350	594,659	1,726,644
Sole, miscellaneous.....	8813	813,937	858,898	897,544	8301,397	8497,024	81,469,613
Swordfish.....	-	1,147	248	337,782	17,502	3,644	380,323
Surfperch.....	13,778	8620	8182	896,803	86,443	81,437	8105,485
Threespine stickleback.....	810,240	84,524	9,379	44,034	14,837	41,218	177,775
Trout, rainbow.....	6,724	831,424	84,772	827,755	812,087	831,712	817,990
Trout, steelhead.....	84,935	134,574	28,076	104,390	74,139	85,507	435,410
Wahoo.....	-	856,416	815,947	836,948	845,522	8111,688	8271,116
Yellowtail.....	-	-	145	3,943	6,755	1,791	12,634
Yellowtail snapper.....	69,963	48,911	54,997	10,788	948	83	85,527
Whiting.....	817,472	812,405	811,559	82,564	8320	841	884,361
Witch.....	8134	81,509	1,878	8354	812,817	830	815,510
Woolly sculpin.....	83,296	20,473	877	37	4,005	-	108,688
Worm-eating warbler.....	819,748	86,896	8363	85	8849	-	827,861
Wright sculpin.....	161,916	16,323	18,799	5,000	-	-	202,038
Witch flounder.....	835,940	86,989	87,863	83,000	-	-	891,392
Witch herring.....	12,002,684	3,655,042	2,442,797	784,448	28,919	-	18,913,890
Witch mackerel.....	82,669,303	8827,702	8492,492	8162,976	87,231	-	84,159,704
Witch sardine.....	1,945,173	693,833	244,070	125,620	712	328	2,407,636
Witch sole.....	8509,781	8229,322	868,346	842,339	8258	8112	8850,158
Witch tautog.....	573,515	360,993	188,184	156,982	7,499	114	1,287,287
Witch whiting.....	8388,064	8237,417	8120,243	8110,736	84,862	880	8861,402
Witch yellowtail.....	791,435	289,739	63,040	259,444	7,104	-	1,410,762
Witchling.....	8284,740	8104,132	822,240	889,088	82,276	-	8502,566
Witchling sole.....	78,244	155,258	3,437	1,448	-	472	238,859
Witchling whiting.....	846,704	889,452	81,028	8655	-	8283	8138,122
Witchling yellowtail.....	15,274	87,123	8421	81,315	852	562	33,930
Witchling whiting.....	82,763	60,547	5,001	35,272	23,289	8437	812,590
Witchling whiting.....	82,518	86,166	83,248	838,724	810,109	810,296	8171,382
Witchling whiting.....	842,839	55,646	484,079	441,263	815,202	777,828	2,475,218
Witchling whiting.....	-	8118,707	81,083,850	81,161,787	82,405,698	82,037,436	86,807,478

MARINE FISH LANDINGS 1977-1986

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TABLE 10—Cont'd.

TABLE 10 (continued). Value of Landings and Shipments of Commercial Fish Into California by Area, 1983

Species	Eureka	San Francisco	Monterey	Santa Barbara	Los Angeles	San Diego	Total
Thornyhead.....	2,595,973	457,570	467,594	203,915	7,061	-	3,732,113
Tuna, albacore.....	8600,144	8104,797	8105,496	856,164	81,712	-	8868,313
Tuna, bigeye.....	1,415,813	3,138,502	4,086,987	2,107,515	5,332,853	464,140	16,549,410
Tuna, bluefin.....	8769,138	81,762,907	82,275,777	81,197,899	83,310,601	8322,703	89,639,025
Tuna, skipjack.....	-	-	767	3,943	5,842	36,578	47,130
Tuna, yellowfin.....	5	-	8951	81,275	84,326	837,359	845,631
Tuna, miscellaneous.....	86	33	1,229	1,616,854	54,137	-	1,682,296
Tuna, yellowfin.....	169	835	8,303	16,668	81,923,911	40,335,378	81,079,771
Tuna, miscellaneous.....	8153	8895	84,958	84,133	822,936,143	813,792,052	836,735,083
Turbot.....	-	11,331	1,415	13,105	145,885	53,041	224,777
Wahoo.....	36,592	86,113	81,042	81,185	861,456	836,746	816,542
Yellowtail.....	87,353	5,909	312	3,278	712	-	46,803
Miscellaneous fish.....	-	82,177	871	8966	8210	-	810,777
Crustacean:	-	-	-	-	12,998	5,323	18,321
Crab, Dungeness.....	647	190	10,427	2,302	87,532	82,775	810,307
Crab, rock.....	8344	866	83,083	82,213	34,464	123,926	171,956
Crab, spider.....	184,356	28,662	36,785	68,596	824,062	860,743	890,511
Crab, California.....	82,078	88,179	810,726	826,373	857,749	83,736	8108,841
Crab, rock.....	4,651,079	625,847	5,274	19,559	9	60	5,301,828
Crab, spider.....	87,071,104	81,039,104	89,467	814,029	811	891	88,133,806
Crab, California.....	4,544	28,989	883	835,901	284,583	242,209	1,397,109
Lobster, California.....	83,236	817,864	8951	8702,195	8235,737	8190,338	81,150,021
Prawn, spot.....	-	-	-	33,149	15,883	76	47,108
Prawn, ridgeback.....	-	-	-	813,974	85,898	843	819,915
Shrimp, Pacific ocean.....	-	-	-	138,213	182,046	204,828	525,087
Shrimp, miscellaneous.....	-	-	-	8531,096	8703,264	8758,372	81,992,732
Miscellaneous crustacean.....	14	3,199	7,613	153,779	-	-	153,779
Sea cucumber.....	874	88,821	837,288	8142,573	-	-	8142,573
Sea urchin.....	212,452	-	33	82,270	-	-	109,096
Miscellaneous.....	8147,137	-	826	820,257	-	-	1,132,742
Echinoderm:	-	-	-	8735,306	-	-	8882,663
Sea cucumber.....	-	-	-	10,644	49	-	17,315
Sea urchin.....	13,247	41,744	2,195	854,885	8701	-	881,639
Miscellaneous.....	8150	8648	1	1,012	738	103	1,863
Miscellaneous echinoderm.....	-	-	-	81,364	8348	81,002	82,714
Sea cucumber.....	-	-	-	149,071	14,424	-	163,495
Sea urchin.....	-	-	-	222,096	84,008	-	826,104
Miscellaneous.....	-	-	-	12,601,747	3,179,309	1,918,230	17,799,472
Miscellaneous echinoderm.....	-	-	-	82,652,293	8689,928	8477,849	83,881,947
	-	-	-	34,563	-	-	34,564
	-	-	81	-	85,714	-	85,715

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TABLE 10. Value of Landings and Shipments of Commercial Fish Into California by Area, 1983

Mollusk:*							
Abalone, black.....	-	19	-	357,341	117,252	2,698	484,310
	-	\$150	-	\$477,346	\$167,985	\$12,374	\$658,455
Abalone, green.....	-	-	-	2,346	45,080	5,435	56,861
	-	-	-	86,987	\$155,203	\$25,618	\$187,808
Abalone, pink.....	-	-	-	29,926	23,186	14,040	67,152
	-	-	-	\$79,928	\$71,661	\$44,298	\$196,187
Abalone, red.....	-	39,448	-	165,211	5,828	21,223	231,210
	-	\$220,831	-	\$403,717	\$16,562	\$56,056	\$697,166
Abalone, white.....	-	-	-	111	215	156	482
	-	-	-	\$449	\$465	\$54	\$1,468
Abalone, miscellaneous..	-	13	-	68	-	21	102
	-	\$20	-	\$187	-	\$34	\$241
Clam.....	-	1,273	22	1,709	53	-	3,057
	-	\$471	\$10	\$985	\$53	-	\$1,519
Mussel.....	-	753	20	810	475	85	2,143
	-	\$515	\$12	\$544	\$238	\$34	\$1,343
Octopus.....	14,226	12,269	3,790	3,820	638	70	34,813
	88,016	\$6,585	\$2,337	\$1,908	\$1,989	\$59	\$20,894
Snail, sea.....	-	2,263	175	8,203	25,536	537	36,714
	-	\$1,712	\$193	\$4,161	\$12,852	\$210	\$18,928
Squid, market.....	62	1,018,092	1,102,328	14,674	1,882,529	2,668	4,020,353
	\$33	\$207,408	\$224,364	\$4,182	\$325,954	\$669	\$762,610
Miscellaneous mollusk..	-	664	1	50	2,654	70	3,439
	-	\$664	\$4	\$180	\$12,584	\$252	\$15,684
Total pounds.....	51,133,384	44,129,798	32,486,076	43,502,658	264,393,437	86,320,862	521,966,215
Total value.....	\$19,583,994	\$22,782,565	\$8,860,378	\$13,913,546	\$85,775,757	\$38,463,671	\$189,379,911
SHIPMENTS:							
Fish:							
Tuna, albacore.....	-	-	-	-	13,832,979	633,192	14,466,171
	-	-	-	-	\$11,056,620	\$474,894	\$11,531,514
Tuna, bigeye.....	-	-	-	-	-	-	-
	-	-	-	-	\$378	-	\$378
Tuna, skipjack.....	-	-	-	-	67,277,762	30,558,118	97,835,880
	-	-	-	-	\$24,589,402	\$10,883,574	\$35,472,976
Tuna, yellowfin.....	-	-	-	-	12,211,125	3,122,082	15,333,207
	-	-	-	-	\$5,947,581	\$1,281,128	\$7,228,709
Total pounds.....	-	-	-	-	93,322,106	34,313,392	127,635,578
Total value.....	-	-	-	-	\$41,593,981	\$12,639,596	\$54,233,577
Grand total pounds..	51,133,384	44,129,798	32,486,076	43,502,658	357,715,543	120,634,254	649,601,793
Grand total value...	\$19,583,994	\$22,782,565	\$8,860,378	\$13,913,546	\$127,369,738	\$51,103,267	\$243,613,488

\* Beginning 1983, Oyster production is no longer reported in this data series.

TABLE 10—Cont'd.

TABLE 11. Value of Landings and Shipments of Commercial Fish Into California by Area, 1984

Species	Eureka	San Francisco	Monterey	Santa Barbara	Los Angeles	San Diego	Total
<b>LANDINGS:</b>							
<b>Fish:</b>							
Anchovy, northern.....	1,000	1,185,437	4,177,162	422,279	582,742	-	6,368,620
Barracuda, California..	9600	\$137,437	\$199,928	858,387	\$88,057	-	\$484,409
Bass, giant sea.....	-	5	-	5,798	18,256	4,601	28,660
Bonito, Pacific.....	-	82	-	\$4,943	\$17,724	\$3,075	\$25,744
Butterfish, Pacific....	-	35	73	5,144	3,783	2,083	11,118
Cabezon.....	-	837	8189	\$7,133	\$4,013	\$3,697	\$15,049
Croaker, white.....	-	1,066	5,716	27,470	6,130,888	14,550	6,179,690
Croaker, miscellaneous.	-	\$246	\$1,429	\$6,862	\$820,840	\$6,103	\$835,480
Flounder, arrowtooth...	-	950	2,362	4,364	6,381	732	14,789
Flounder, starry.....	-	8814	\$4,684	\$2,975	\$5,359	\$653	\$14,525
Flounder, miscellaneous	530	12,379	62	1,719	35	16	14,741
Flyingfish.....	\$100	\$2,784	\$21	\$319	\$15	\$6	\$3,245
Grenadier.....	-	427,796	111,389	138,173	809,129	5,000	1,491,487
Hake, Pacific.....	-	\$127,914	\$35,422	\$52,871	\$87,778	\$3,341	\$307,326
Halibut, California....	67,524	3,885	-	-	\$30,887	-	\$30,887
Herring, Pacific.....	86,779	\$1,149	-	-	-	-	\$1,405
Lingcod.....	99,247	337,239	14,583	17,682	2	-	\$7,928
Lowar.....	\$30,943	\$104,373	\$4,503	\$6,705	\$1	-	\$468,753
Mackerel.....	381	32,004	35,994	36,684	93	3	\$146,525
Mullet, striped.....	\$27	\$11,125	\$14,445	\$14,135	974	81	105,155
Opah.....	-	-	-	-	19,950	-	\$39,813
Ray, miscellaneous.....	-	-	-	-	88,978	-	15,950
Rockfish group,	68,736	204	13,713	-	-	-	\$8,978
Doccaccio/chilli	86,881	\$20	\$1,091	-	-	-	\$7,992
red....	5,134,321	5,423	8,145	-	-	-	\$2,655
miscellaneous	\$338,618	\$455	\$845	-	-	-	\$339,929
Shrimp.....	207	307,389	37,574	487,802	174,286	100,074	1,107,332
Squid.....	286	\$458,087	\$70,046	\$898,684	\$331,570	\$185,148	\$1,943,821
Tilapia.....	147,274	8,125,448	209,317	35	-	-	8,482,074
Trout, rainbow.....	\$58,456	\$1,847,595	\$20,239	\$9	-	-	\$1,926,299
Walleye.....	\$82,865	1,245,192	115,113	46,034	5,180	1,047	\$2,055,429
Whiting.....	\$183,248	\$317,461	\$30,963	\$13,751	\$2,432	\$880	\$548,735
Other fish.....	-	1,023	6,220	7,073	1,852	1,841	18,009
Mackerel.....	-	\$816	\$5,299	\$5,838	\$722	\$2,261	\$14,936
Mullet, striped.....	219	35,978	27,843,596	3,121,516	86,293,331	60,409	117,355,049
Opah.....	945	\$5,667	\$1,439,760	\$254,354	\$7,900,034	\$13,388	\$9,613,248
Ray, miscellaneous.....	-	-	-	-	-	24,965	24,965
Shrimp.....	-	-	-	-	-	\$17,499	\$17,499
Tilapia.....	-	13,154	31,629	116,634	177,697	177,012	516,126
Walleye.....	-	\$3,127	\$7,533	\$31,196	\$38,918	\$51,170	\$131,944
Whiting.....	-	71	-	270	1,895	-	2,236
Other fish.....	-	-	-	\$70	-	-	\$20,224
Rockfish group,	116,731	3,587,644	1,363,672	1,341,076	603,801	183,712	7,196,636
Doccaccio/chilli	\$26,018	\$863,818	\$309,571	\$365,341	\$28,019	\$85,324	\$1,899,691
red....	2,176,509	694,426	180,102	451,054	254,097	78,709	3,834,897
miscellaneous	\$521,169	\$202,565	\$92,708	\$318,671	\$207,475	\$47,258	\$1,389,946

TABLE 11. Value of Landings and Shipments of Commercial Fish Into California by Area, 1984

Rockfish, widow.....	4,315,005	1,444,812	95,704	65,598	1,877	5,429	5,928,425
Rockfish, miscellaneous	8925,258	8350,756	818,880	814,703	8676	82,576	81,312,849
Sablefish.....	4,885,320	7,404,501	3,907,440	1,408,294	478,414	1,296,231	19,345,200
Salmon.....	81,164,129	81,883,086	81,029,481	8574,684	8397,315	8637,311	85,646,006
Sanddab, Pacific.....	803,778	1,516,983	1,218,786	302,912	2,054,902	2,002	10,833,311
Sardine, Pacific.....	82,054,772	84,554,267	81,257,268	47,903	-	635	82,199,169
Sculpin.....	282,209	203,571	44,436	5,624	361	16,867	2,982,656
Seabass, white.....	2101,608	872,804	814,993	81,962	8313	1,786	88,028,803
Shark, bonito.....	-	-	719	-	1,112	767	553,068
Shark, common thresher.....	-	10	8270	-	8341	874	8209,437
Shark, Pacific angel...	-	81	-	8185	820,450	81,754	5,598
Shark, soupfin.....	-	609	235	50,117	42,729	19,411	874
Shark, miscellaneous...	-	81,249	8458	8104,375	883,204	818,076	822,362
Shark, bigeye thresher.....	-	4,063	6,471	6,729	31,940	25,203	74,406
Shark, rex.....	-	82,179	83,934	84,280	819,815	817,047	847,255
Shark, sandbar.....	-	5,350	9,551	57,725	83,773	86,438	742,837
Shark, spiny dogfish.....	-	82,746	86,896	846,530	866,866	866,394	8189,432
Shark, white.....	32	70,884	77,055	867,461	508,149	439,523	1,689,104
Shark, Pacific angel...	830	876,139	869,328	8546,689	8499,117	8449,221	81,640,524
Shark, soupfin.....	-	4,314	568	610,281	10,746	7,364	633,273
Shark, miscellaneous...	5,445	32,411	9,397	66,193	52,839	112,256	278,541
Shark, rex.....	83,572	819,951	84,658	840,890	846,754	896,570	8212,363
Shark, sandbar.....	3,004	117,150	40,623	53,940	40,006	59,528	314,251
Sheephead, California...	82,244	852,786	828,858	836,032	833,632	882,843	8236,395
Skate.....	-	847	-	4,955	11,177	7,319	25,098
Smelt, top or jack.....	20,318	83,882	10,090	83,575	812,318	84,867	824,642
Smelt, true.....	85,183	83,638	10,040	10,040	1,346	860	116,253
Smelt, whitebait.....	3,473	1,869	1,359	648	42,532	-	49,881
Sole, English.....	8348	8548	8571	8260	86,008	-	87,736
Sole, petrale.....	147,498	4,572	703	-	42,514	-	195,287
Sole, rex.....	822,476	81,217	8183	8260	85,154	-	829,030
Sole, sand.....	271,657	14,213	1,066	340	-	-	285,274
Sole, miscellaneous...	883,367	85,065	8449	8170	-	-	889,051
Sole, Dover.....	12,533,250	3,740,375	2,454,233	2,798,993	39,561	-	21,563,452
Sole, English.....	83,036,635	8845,815	8528,873	8599,342	89,890	-	85,020,555
Sole, petrale.....	1,148,189	659,801	219,247	70,357	1,370	-	2,098,964
Sole, rex.....	8379,423	8221,426	862,697	823,494	8437	-	8687,477
Sole, sand.....	676,383	374,528	140,204	106,636	2,663	1,498	1,301,312
Sole, miscellaneous...	8485,051	8286,127	891,818	880,137	81,969	81,348	8896,510
Sole, sand.....	773,094	318,269	61,567	98,206	1,568	272	1,352,876
Sole, rex.....	8278,232	8114,380	821,703	833,342	8503	895	8448,255
Sole, sand.....	813,201	110,364	7,790	1,030	18	-	142,825
Sole, miscellaneous...	10,242	117,528	27,643	7,252	706	514	883,608
Sole, sand.....	82,314	843,408	87,981	83,198	8424	8356	164,985
Surfperch.....	82,662	48,068	877	19,569	4,724	48,540	887,681
Swordfish.....	845,595	850,511	850,510	819,751	822,568	822,548	182,120
	-	8841,208	8575,344	82,011,118	766,601	1,922,287	2146,473
	-	-	-	-	85,005,115	83,126,159	4,393,278
	-	-	-	-	-	-	811,558,944

MARINE FISH LANDINGS 1977-1986

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TABLE 11—Cont'd.

TABLE 11 (continued). Value of Landings and Shipments of Commercial Fish Into California by Area, 1984

Species	Eureka	San Francisco	Monterey	Santa Barbara	Los Angeles	San Diego	Total
Thornyhead.....	3,091,371	531,869	369,446	664,888	12,696	-	4,670,270
Tuna, albacore.....	\$773,212	\$128,673	\$86,825	\$159,112	\$3,175	-	\$1,150,997
Tuna, bigeye.....	999,230	1,619,676	1,315,216	716,438	18,991,581	2,490,406	26,126,747
Tuna, bluefin.....	\$521,882	\$865,827	\$667,452	\$377,241	\$12,164,061	\$1,619,692	\$16,216,155
Tuna, skipjack.....	-	-	160	534	\$62,151	14,519	277,364
Tuna, yellowfin.....	-	-	\$120	\$474	\$154,061	\$21,934	\$176,689
Tuna, miscellaneous.....	-	1,097	504	1,894	1,377,096	20,407	1,400,998
Turbot.....	-	\$548	\$385	\$2,215	\$896,278	\$18,888	\$919,214
Yellowtail.....	-	147	110	3,030	48,394,098	20,495,998	68,896,283
Miscellaneous fish.....	506	\$51	\$37	\$1,361	\$18,297,545	\$6,510,764	\$24,809,758
Tuna, miscellaneous.....	\$177	-	-	7,192	\$1,440,224	15,851,294	77,298,186
Turbot.....	-	481	666	606	\$30,909,844	\$6,075,278	\$36,991,957
Yellowtail.....	16,721	3,131	2,431	650	2,229,539	5,280	22,386,472
Miscellaneous fish.....	\$5,010	\$740	\$638	\$172	\$5,594,743	\$5,519	\$3,601,591
Crustacean:	-	\$465	\$485	650	120	-	23,053
Crab, Dungeness.....	4,654,524	628,352	28,251	28,451	48	462	5,340,088
Crab, rock.....	\$7,061,120	\$1,275,531	\$73,253	\$23,795	823	\$724	\$8,434,446
Crab, spider.....	21,375	40,141	14,100	\$68,505	776,375	132,802	1,676,298
Lobster, California.....	\$26,697	\$31,980	\$13,787	\$972,672	\$672,873	\$105,657	\$1,423,666
Fraun, ridgeback.....	28	-	-	\$3,139	22,302	869	56,338
Fraun, spot.....	449	-	-	\$15,338	89,309	\$420	\$25,117
Shrimp, Pacific ocean..	-	283	-	145,427	150,322	148,966	444,998
Shrimp, miscellaneous..	10,440	461	3,715	31,029	102	600	46,347
Miscellaneous crustacean....	\$4,750	\$387	\$18,160	\$163,803	\$204	-	\$189,142
Echinoderm:	648	1,137	47	173	207	840	3,052
Sea cucumber.....	\$194	\$490	\$34	\$171	\$268	\$1,333	\$2,490
Sea urchin.....	-	-	1	49,249	2,684	420	52,354
Miscellaneous echinoderm....	-	-	-	\$8,127	\$1,165	\$42	\$9,334
Sea urchin.....	54,310	9,760	170	11,456,101	2,700,517	758,011	14,978,869
Miscellaneous echinoderm....	\$15,518	\$3,023	\$130	\$2,758,495	\$683,020	\$196,161	\$3,636,347
	117	-	8	77,941	77,941	30	78,096
	-	-	-	-	\$13,548	\$20	\$13,568

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TABLE 11. Value of Landings and Shipments of Commercial Fish Into California by Area, 1984

<b>Mollusk:</b>							
Abalone, black.....	-	52	12	332,726	91,748	11,756	436,294
Abalone, green.....	-	\$250	\$58	\$640,485	\$182,777	\$22,526	\$846,096
Abalone, pink.....	-	-	-	1,760	24,704	5,346	31,910
Abalone, red.....	-	-	-	86,014	\$100,903	\$19,538	\$126,455
Abalone, white.....	-	-	-	28,594	20,118	8,318	57,030
Abalone, miscellaneous.....	-	-	-	899,463	73,710	828,876	8202,049
Clam.....	52,367	866	222,978	5,266	17,692	289,759	
\$18	\$361,618	\$4,906	\$695,527	\$16,313	\$67,552	\$1,142,916	
71	-	-	132	62	184	449	
Abalone, miscellaneous.....	-	-	\$579	\$294	\$834	\$1,685	
Clam.....	73	-	1,163	-	-	1,236	
Musel.....	\$290	-	\$7,211	-	-	7,501	
Octopus.....	500	3,121	1,205	1,527	1,049	80	7,482
Snail, sea.....	832	\$735	\$242	\$928	\$1,305	-	\$3,242
Squid, market.....	500	6,682	-	20	456	-	7,658
Miscellaneous mollusk..	8635	66,322	-	\$19	\$228	-	87,204
Total pounds.....	9,035	3,801	636	1,330	518	201	15,521
Total value.....	\$5,935	\$2,248	\$482	\$666	\$2,167	\$277	\$11,775
Snail, sea.....	-	5,559	1,900	5,498	18,420	1,577	32,954
Squid, market.....	-	24,690	\$760	\$1,670	85,877	\$455	\$13,452
Miscellaneous mollusk..	123	213,769	861,720	21,606	146,207	33	1,243,458
Total pounds.....	885	\$54,951	\$203,327	\$10,007	\$36,132	\$25	\$304,527
Total value.....	-	197	586	2,223	5,214	20	8,240
Miscellaneous mollusk..	-	\$170	\$140	\$13,538	\$41,045	\$200	\$55,093
Total pounds.....	50,730,865	38,023,024	46,229,305	28,619,517	243,403,929	43,842,359	450,848,999
Total value.....	\$19,844,222	\$16,701,764	\$7,360,136	\$13,382,991	\$90,720,777	\$20,316,160	\$168,326,050
<b>SHIPMENTS:</b>							
<b>Fish:</b>							
Tuna, albacore.....	-	-	-	-	14,942,404	2,175,736	17,118,140
Tuna, bigeye.....	-	-	-	-	\$11,915,646	\$1,931,479	\$13,847,125
Tuna, skipjack.....	-	-	-	-	1,840	-	1,840
Tuna, yellowfin.....	-	-	-	-	\$920	-	\$920
Tuna, miscellaneous.....	-	-	-	-	17,081,810	4,279,670	21,361,480
Total pounds.....	-	-	-	-	\$6,223,368	\$1,354,622	\$7,577,990
Total value.....	-	-	-	-	1,492,864	-	1,492,864
Tuna, miscellaneous.....	-	-	-	-	\$766,551	-	\$766,551
Total pounds.....	-	-	-	-	5,472,857	-	5,472,857
Total value.....	-	-	-	-	\$5,217,688	-	\$5,217,688
Total pounds.....	-	-	-	-	38,991,575	6,455,406	45,446,981
Total value.....	-	-	-	-	\$24,124,173	\$3,286,101	\$27,410,274
Grand total pounds..	50,730,865	38,023,024	46,229,305	28,619,517	282,395,504	50,297,765	496,295,980
Grand total value...	\$19,844,222	\$16,701,764	\$7,360,136	\$13,382,991	\$114,844,950	\$23,602,261	\$195,735,930

TABLE 11—Cont'd.



TABLE 12. Value of Landings and Shipments of Commercial Fish Into California by Area, 1985

Species	Eureka	San Francisco	Monterey	Santa Barbara	Los Angeles	San Diego	Total
<b>LANDINGS:</b>							
<b>Fish:</b>							
Anchovy, northern.....	-	570,611	2,509,190	354,970	149,794	-	3,584,565
Barracuda, California..	-	865,340	\$150,062	\$47,143	\$16,334	-	\$278,879
Bass, giant sea.....	-	100	-	19,986	45,791	2,148	68,025
Bonito, Pacific.....	-	810	-	\$18,205	\$42,400	\$1,645	\$62,250
Butterfish, Pacific....	-	-	95	5,927	3,928	1,859	11,809
Cabazon.....	2,601	8,403	10,698	647	147	10	22,506
Croaker, white.....	8674	\$1,438	\$3,262	\$167	\$96	62	\$5,439
Flounder, arrowtooth...	7,642	445,576	404,030	348,738	225,090	6,056	1,437,132
Flounder, starry.....	833	\$152,453	\$128,260	\$167,125	\$74,261	-	\$526,238
Flounder, miscellaneous	76,673	6,362	-	262	-	-	83,297
Flyingfish.....	\$7,696	\$2,137	21,887	\$61	-	-	\$29,894
Grenadier.....	113,152	241,173	7,555	7,555	-	30	383,797
Hake, Pacific.....	\$39,922	\$82,684	\$6,944	\$3,082	-	\$30	\$132,682
Halibut, California....	2,051	101,819	47,415	21,264	31	9	172,589
Herring, Pacific.....	\$736	\$34,431	\$17,320	\$9,093	\$14	\$3	\$61,597
Mullet, striped.....	-	-	30	763	52,392	-	53,185
Opah.....	-	-	615	\$496	\$23,071	-	\$23,562
Ray, miscellaneous....	133,354	170	399	10	-	-	133,933
Rockfish group.....	\$13,347	\$17	\$40	\$1	-	-	\$13,405
Rockfish group, red....	6,598,313	5,514	\$77	25	-	-	\$6,604,729
Rockfish group, white...	\$393,451	\$620	\$611	\$16	-	-	\$394,698
Shrimp, white.....	669	236,195	72,207	499,820	315,121	131,363	1,256,375
Squid, Pacific.....	984	\$387,198	\$132,718	\$909,554	\$609,737	\$246,491	\$2,286,682
Tilapia.....	195,282	17,271,874	135,048	4	-	-	17,602,208
Trout, rainbow.....	\$147,598	\$5,830,416	\$5,497	\$1	-	-	\$6,030,512
Wingcod.....	678,888	728,263	69,234	35,637	13,984	5,563	1,531,569
Mackerel.....	\$203,186	\$206,030	\$21,796	\$13,333	\$8,737	\$3,448	\$457,130
Mullet, black.....	-	32,719	6,464,378	8,397,319	83,494,356	41,543	98,430,715
Mullet, striped.....	-	\$6,734	\$384,396	\$608,299	\$6,814,221	\$16,725	\$7,830,375
Opah.....	-	-	-	-	-	30,272	30,272
Opah.....	-	4,992	22,841	114,039	100,135	\$19,967	\$19,967
Opah.....	-	\$1,328	\$5,983	\$31,668	\$22,764	\$50,628	\$112,371
Ray, miscellaneous....	-	19	25	-	995	29	1,068
Rockfish group.....	-	86	-	-	\$13,402	\$22	\$13,430
Rockfish group, bocaccio/chili	42,921	1,710,204	2,215,839	1,309,431	800,468	150,454	6,229,317
Rockfish group, red....	\$10,770	\$484,423	\$638,865	\$497,855	\$328,461	\$74,514	\$2,034,888
Rockfish group, white...	\$26,025	\$78,304	\$29,566	\$13,671	\$11,804	\$17,538	\$247,038
Rockfish group, widow.....	\$221,622	\$241,861	\$57,881	\$419,226	\$289,207	\$68,271	\$1,298,068
Rockfish group, rosefish	560,150	477,616	306,050	249,668	205	208	1,593,377
Rockfish, widow.....	\$129,515	\$111,619	\$56,250	\$96,122	\$71	\$104	\$354,081
Rockfish, widow.....	4,587,224	1,641,190	295,656	133	624	-	6,524,827
Rockfish, widow.....	\$1,139,861	\$420,419	\$80,738	\$87	\$300	-	\$1,641,405

TABLE 12. Value of Landings and Shipments of Commercial Fish Into California by Area, 1985

Rockfish, miscellaneous	5,069,259	5,796,450	2,133,443	1,025,245	435,558	1,546,432	16,006,387
	\$1,317,254	\$1,777,459	\$600,988	\$301,513	\$369,738	\$799,209	\$5,366,902
Sablefish.....	6,655,234	2,588,815	1,063,032	917,521	72,309	8,884	11,305,795
	\$1,628,176	\$749,337	\$27,589	\$196,266	\$18,222	\$5,194	\$2,825,484
Salmon.....	2,008,285	2,153,997	410,461	71,463	-	-	4,644,406
	\$4,807,761	\$5,568,957	\$1,128,478	\$217,889	-	-	\$11,723,085
Sanddab, Pacific.....	490,712	318,749	114,726	18,197	2,918	26,115	971,417
	\$176,976	\$115,442	\$43,107	\$5,075	\$2,298	\$26,855	\$369,833
Sardine, Pacific.....	-	-	4,748	625	7,503	-	12,876
	-	-	\$938	663	894	-	\$1,415
Sculpin.....	-	179	-	666	28,052	5,604	34,501
	-	\$118	-	\$667	\$24,876	\$4,973	\$30,634
Seabass, white.....	-	16	1,507	61,912	40,694	21,251	125,380
	-	-	\$2,822	\$120,114	\$78,286	\$41,267	\$242,489
Shark, bigeye thresher.....	-	896	21,722	12,375	40,838	47,135	122,956
	-	\$448	\$15,224	\$10,429	\$29,536	\$40,301	\$95,938
Shark, bonito.....	-	1,885	6,254	44,441	93,135	80,980	226,695
	-	\$1,659	\$4,745	\$36,940	\$81,830	\$67,999	\$153,213
Shark, common thresher.....	2,632	65,769	99,175	515,627	387,507	470,089	1,540,799
	\$3,158	\$80,401	\$112,366	\$616,416	\$437,393	\$561,931	\$1,811,565
Shark, Pacific angel.....	-	3,561	2,651	1,211,277	12,049	19,949	1,248,487
	-	\$1,966	\$1,017	\$561,839	\$4,363	\$7,810	\$576,995
Shark, soupfin.....	6,441	42,444	19,272	76,851	41,319	91,213	277,740
	\$5,357	\$32,309	\$8,896	\$52,306	\$38,243	\$75,020	\$212,131
Shark, miscellaneous.....	9,519	146,940	46,273	27,457	24,530	23,232	277,951
	\$6,909	\$76,174	\$31,871	\$15,880	\$23,470	\$26,995	\$183,398
Sheephead, California.....	-	-	-	19,264	7,026	2,210	28,500
	-	-	-	\$6,065	\$9,814	\$960	\$18,839
Skate.....	98,936	53,963	27,703	9,949	4,135	1,151	195,837
	\$24,797	\$13,559	\$5,956	\$2,607	\$1,618	\$370	\$48,907
Smelt, top or jack.....	75	5,258	1,007	211	1,962	50	8,563
	\$11	\$1,536	\$192	\$62	\$490	\$23	\$2,314
Smelt, true.....	356,253	12,358	4,490	82	285	-	373,268
	\$58,989	\$4,251	\$910	\$23	\$90	-	\$64,563
Sole, whitebait.....	676,918	22,286	2,831	-	210	-	702,245
	\$179,343	\$6,079	\$1,148	-	\$51	-	\$188,421
Sole, Dover.....	15,343,782	3,357,024	1,620,183	6,176,466	1,938	-	26,499,393
	\$3,830,504	\$772,233	\$325,492	\$1,270,769	\$485	-	\$6,299,483
Sole, English.....	1,130,267	803,843	285,068	122,764	-	-	2,341,942
	\$388,485	\$279,430	\$86,993	\$44,426	-	-	\$799,334
Sole, petrale.....	915,585	429,007	227,578	313,589	1,325	310	1,888,394
	\$658,722	\$308,298	\$154,627	\$271,569	\$1,350	\$416	\$1,394,982
Sole, rex.....	1,103,837	318,125	120,509	435,405	1,368	-	1,979,244
	\$398,497	\$116,977	\$38,212	\$154,906	\$492	-	\$708,084
Sole, sand.....	76,417	191,837	14,919	301	-	-	283,474
	\$49,183	\$122,758	\$7,141	\$174	-	-	\$179,256
Sole, miscellaneous.....	97,330	92,213	16,383	25,474	3,444	4,607	169,411
	\$17,774	\$23,654	\$4,083	\$10,113	\$2,646	\$5,811	\$64,081
Surfperch.....	44,405	38,117	2,976	12,038	9,552	14,580	122,078
	\$28,871	\$44,365	\$2,760	\$12,215	\$7,718	\$8,540	\$104,469
Swordfish.....	-	186,742	209,504	1,849,139	1,897,869	1,053,431	5,196,685
	-	\$441,848	\$534,852	\$4,482,425	\$4,996,826	\$2,993,278	\$13,449,025
Thornyhead.....	4,345,169	461,779	312,880	1,360,034	-	5,795	6,485,657
	\$1,096,260	\$116,125	\$74,016	\$227,563	-	\$7,244	\$1,623,228
Tuna, albacore.....	7,797,997	902,635	1,667,318	865,616	6,892,376	1,071,060	14,157,002
	\$1,287,503	\$456,988	\$800,831	\$410,991	\$3,883,639	\$567,475	\$7,407,427

TABLE 12—Cont'd.

TABLE 12 (continued). Value of Landings and Shipments of Commercial Fish Into California by Area, 1985

Species	Eureka	San Francisco	Monterey	Santa Barbara	Los Angeles	San Diego	Total
Tuna, bigeye.....	440	-	866	598	1,540	11,180	14,624
Tuna, bluefin.....	\$194	-	\$734	\$487	\$1,037	\$15,084	\$17,536
Tuna, skipjack.....	-	81	133	4,035	7,160,455	5,595	7,173,299
Tuna, yellowfin.....	-	\$58	\$104	\$2,357	\$2,930,993	\$10,039	\$2,944,151
Tuna, miscellaneous....	-	-	-	-	6,554,190	8,000	6,562,190
Tuna, yellowfin.....	1	1,243	671	6,089	33,067,222	48,089	33,123,315
Tuna, miscellaneous....	432	\$1,036	\$681	\$4,553	\$14,820,772	\$42,293	\$14,869,437
Turbot.....	\$270	\$351	\$172	\$2,252	\$886,444	\$227	\$889,716
Turbot.....	21,633	5,472	1,501	1,107	2	14	29,729
Yellowtail.....	\$6,516	\$1,285	\$421	\$654	\$1	\$7	\$8,884
Yellowtail.....	-	26,887	138	34,682	46,058	151,994	259,759
Miscellaneous fish....	198,606	\$8,839	\$43	\$25,792	\$25,857	\$108,505	\$169,036
Miscellaneous fish....	\$2,233	\$8,965	\$7,247	\$27,043	\$2,743	\$17,373	\$11,827
Crustaceans:							
Crab, Dungeness.....	5,596,776	585,841	12,258	14,389	200	808	6,210,272
Crab, rock.....	\$7,684,471	\$1,195,708	\$29,261	\$16,995	\$326	\$638	\$8,927,399
Crab, rock.....	18,662	48,690	1,437	684,376	867,002	119,668	1,739,835
Lobster, California	\$26,507	\$41,605	\$2,259	\$584,074	\$775,290	\$107,454	\$1,547,189
spiny.....	-	128	-	129,418	131,768	186,534	447,848
ridgeback.....	-	\$544	-	\$518,974	\$585,470	\$839,492	\$1,944,480
Prawn, spot.....	-	-	-	\$08,673	\$7,799	344	\$96,816
Prawn, spot.....	-	-	-	\$517,476	\$32,748	\$603	\$550,827
Shrimp, spot.....	-	10	9,450	46,132	166	5,183	63,941
Shrimp, Pacific ocean..	3,343,853	\$51	\$52,255	\$246,943	\$316	\$30,195	\$330,060
Shrimp, miscellaneous..	\$1,166,697	-	1,291	35,973	-	-	3,381,117
Shrimp, miscellaneous..	819	789	908	6,633	26	-	\$1,187,314
Miscellaneous crustacean....	\$328	\$2,257	\$1,613	\$39,000	\$1,726	3,129	\$44,924
Miscellaneous crustacean....	-	48	1,317	20,698	18,242	43,434	\$3,434
Echinoderms:							
Sea urchin.....	1,919,346	3,868	550	14,614,852	2,825,138	634,437	19,998,191
Miscellaneous	\$309,669	\$928	\$200	\$3,651,158	\$707,146	\$168,592	\$4,837,693
Miscellaneous	-	-	-	56,998	15,499	230	72,727
echinoderm....	-	-	-	\$11,051	\$3,972	\$92	\$15,115
Mollusks:							
Abalone, black.....	-	37	-	260,426	96,783	2,589	359,835
Abalone, black.....	-	886	-	\$549,638	\$230,936	\$6,563	\$787,223
Abalone, green.....	-	83	-	2,089	21,035	745	23,952
Abalone, green.....	-	\$417	-	\$8,414	\$21,805	\$2,527	\$102,762
Abalone, pink.....	-	17	-	42,349	21,807	4,450	68,623
Abalone, pink.....	-	\$153	-	\$157,321	\$83,741	\$17,425	\$259,640
Abalone, red.....	-	90,855	-	248,656	7,414	21,857	368,782
Abalone, red.....	-	\$315,603	-	\$839,928	\$25,124	\$91,196	\$1,271,851
Abalone, white.....	-	-	-	10	1,644	-	1,654
Abalone, white.....	-	-	-	\$60	\$9,664	-	\$9,724

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TABLE 12. Value of Landings and Shipments of Commercial Fish Into California by Area, 1985

Abalone, miscellaneous.....	-	1,015	-	6	-	1	1,022
Clam.....	-	\$3,554	-	\$31	-	-	\$3,585
Mussel.....	-	5,648	-	44,081	581	-	50,310
Octopus.....	66	\$2,054	-	\$29,956	\$416	-	\$32,426
Snail, sea.....	866	8,709	-	-	50	605	9,430
Squid, market.....	12,520	\$8,320	-	-	\$30	\$121	\$8,537
Miscellaneous mollusk..	\$9,790	1,026	138	947	583	46	15,260
Total pounds.....	66,128,202	43,102,484	29,597,427	61,559,308	170,253,309	6,371,348	367,012,078
Total value.....	\$27,462,780	\$20,766,834	\$7,881,333	\$20,371,967	\$46,999,803	\$7,194,815	\$132,697,532
<b>SHIPMENTS:</b>							
<b>Fish:</b>							
Tuna, albacore.....	-	-	-	-	6,194,007	-	6,194,007
Tuna, skipjack.....	-	-	-	-	\$4,011,223	-	\$4,011,223
Tuna, miscellaneous....	-	-	-	-	980,968	-	980,968
Total pounds.....	-	-	-	-	\$21,111	-	\$21,111
Total value.....	-	-	-	-	2,877,055	-	2,877,055
Total pounds.....	-	-	-	-	\$1,612,087	-	\$1,612,087
Total value.....	-	-	-	-	10,052,030	-	10,052,030
Grand total pounds..	66,128,202	43,102,484	29,597,427	61,559,308	170,253,309	6,371,348	367,012,078
Grand total value...	\$27,462,780	\$20,766,834	\$7,881,333	\$20,371,967	\$46,999,803	\$7,194,815	\$132,697,532

MARINE FISH LANDINGS 1977-1986

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TABLE 12—Cont'd.

TABLE 13. Value of Landings and Shipments of Commercial Fish Into California by Area, 1986

Species	Eureka	San Francisco	Monterey	Santa Barbara	Los Angeles	San Diego	Total
<b>LANDINGS:</b>							
<b>Fish:</b>							
Anchovy, northern.....	-	865,641	1,781,819	382,523	354,796	-	3,384,779
Barracuda, California..	-	891,839	8122,894	845,776	835,051	-	8295,556
Bass, giant sea.....	-	-	-	1,929	50,190	4,024	56,143
Bonito, Pacific.....	-	-	41	81,731	847,728	83,498	852,957
Butterfish, Pacific....	-	700	556	6,049	4,039	2,824	12,153
Cabazon.....	761	12,159	1,720	1,126	213	21	16,000
Croaker, white.....	804	83,257	4529	8304	8106	813	84,513
Dolphinfish.....	817	491,513	272,707	229,150	250,148	984	1,245,317
Flounder, arrowtooth...	204	8170,061	890,041	8112,614	8109,313	8920	8483,153
Flounder, starry.....	-	-	-	-	-	3,453	3,453
Flounder, miscellaneous	40,927	410	-	115	-	-	41,452
Flyingfish.....	84,324	8121	-	821	-	-	84,466
Grenadier.....	67,833	161,738	40,015	6,524	-	-	276,110
Hake, Pacific.....	825,405	860,702	815,105	82,757	-	-	8103,969
Hake, miscellaneous	14	39,771	59,870	23,909	1,739	26	124,529
Herring, California....	85	815,145	826,609	810,531	8934	830	853,254
Herring, Pacific.....	-	-	-	-	82,132	-	82,132
Halibut, California....	135,990	208	-	153	830,394	-	830,394
Halibut, Pacific.....	813,915	827	-	816	-	-	816,558
Guitarfish, shovelnose.	-	-	71	9,994	2,924	631	13,620
Hake, Pacific.....	6,564,861	6,948	547	83,710	81,947	8299	85,977
Halfmoon.....	8381,172	81,008	8110	864	1,696	437	6,574,845
Halibut, California....	1,069	202,773	68,916	600,635	221,456	89,241	1,184,090
Halibut, Pacific.....	81,279	8377,187	8136,968	81,206,039	8463,827	8179,730	82,365,030
Herring, California....	34,486	-	-	-	-	-	34,486
Herring, Pacific.....	859,219	-	-	-	-	-	859,219
Herring, Pacific.....	190,500	16,382,068	310,357	173	-	-	16,883,098
Lingcod.....	8120,015	85,298,403	826,053	861	8,859	3,326	85,444,532
Mackerel.....	391,625	400,345	107,810	41,855	8,859	3,326	1,153,820
Mackerel.....	8205,047	8139,591	839,207	817,862	85,795	82,060	8409,566
Mullet, striped.....	100	26,856	4,803,814	11,695,292	100,002,202	21,144	116,949,508
Mullet, striped.....	820	85,478	8298,366	8896,014	87,439,892	86,728	88,586,498
Opah.....	95	7,639	11,196	29,060	67,009	103,770	218,769
Opah.....	-	82,716	83,259	89,138	816,091	839,921	871,125
Ray, miscellaneous.....	-	-	-	523	866	-	1,389
Ray, miscellaneous.....	-	-	-	8314	810,024	-	810,338

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TABLE 13. Value of Landings and Shipments of Commercial Fish Into California by Area, 1986

Rockfish, blackgill....	-	635	-	43,637	193,263	47,118	284,633
Rockfish group,	9,821	1,790,023	2,394,333	1,560,828	882,306	1,277,755	\$133,749
bocaccio /chili	82,800	857,230	875,717	862,370	848,434	183,054	6,746,491
Rockfish group, red....	680,489	406,556	172,878	392,780	162,015	73,215	2,087,933
rosefish.....	875,146	889,304	1,077,189	861,012	818	81,700	\$1,319,140
Rockfish group,	290,755	351,167	485,327	247,051	450	4,384	1,359,134
widow.....	81,022,618	1,319,457	247,829	650	2,600	1,627	5,266,551
Rockfish, miscellaneous	3,346,238	4,674,830	2,726,415	2,704,530	250,335	1,742,250	15,444,598
Sablefish.....	899,724	81,585,132	890,658	81,196,801	814,113	8923,305	85,814,773
Salmon.....	7,690,200	3,368,169	1,271,945	637,312	613,749	4,561	13,585,936
Sanddab, Pacific.....	82,505,147	81,376,777	8318,095	8186,421	\$299,640	\$2,716	84,688,796
Sardine, Pacific.....	2,200,869	2,782,632	1,069,250	831,147	248	-	7,604,146
Scupin.....	85,229,829	85,611,917	82,319,559	81,966,549	8733	16,968	\$15,128,587
Seabass, white.....	323,306	55,490	80,856	4,349	1,138	-	801,297
Shark, bigeye thresher,	819,637	\$204,539	\$27,449	\$1,611	\$1,265	\$17,782	\$372,283
Shark, bonito.....	-	1	186,179	38,510	631,794	-	856,444
Shark, common thresher,	-	-	218,155	83,005	860,443	-	881,663
Shark, leopard.....	-	204	-	491	12,437	2,412	15,544
Shark, miscellaneous..	-	\$360	-	8582	\$12,852	\$1,936	\$15,730
Shark, soupfin.....	-	249	-	69,473	27,035	8,286	106,671
Shark, white.....	-	\$472	82,925	\$138,792	856,511	\$16,510	\$215,210
Shark, bonito.....	41	4,900	4,643	38,067	182,474	243,559	473,684
Shark, common thresher,	4,716	24,127	52,756	191,904	190,687	142,405	606,595
Shark, leopard.....	85,207	825,292	\$72,635	\$272,849	\$280,522	\$200,753	\$867,258
Shark, Pacific angel...	881	25,188	7,826	17,192	16,519	7,135	74,741
Shark, soupfin.....	\$1,472	\$10,627	\$4,233	\$11,447	\$16,922	\$6,592	\$51,293
Shark, miscellaneous..	-	2,354	3,004	1,187,770	33,201	14,801	1,241,130
Shark, miscellaneous..	-	\$1,082	\$1,178	\$585,392	\$14,348	\$7,150	\$609,150
Shark, miscellaneous..	13,527	18,545	12,179	60,418	43,025	64,585	112,279
Sheephead, California,	\$14,942	\$16,894	\$5,958	\$18,536	\$40,300	\$60,348	\$176,676
Skate.....	1,665	94,297	21,414	44,096	27,913	11,816	201,201
Smelt, top or jack.....	\$1,351	\$44,882	\$11,605	\$23,322	\$22,761	\$9,094	\$113,035
Smelt, true.....	-	-	-	17,128	10,001	2,123	35,252
Smelt, whitebait.....	65,642	42,602	32,831	86,970	89,530	81,443	\$17,943
Sole, Dover.....	\$16,884	\$11,004	\$7,599	5,365	3,581	104	150,125
Sole, English.....	1,147	813	1,218	89	1,655	831	838,181
Sole, petrale.....	195,013	7,540	2,450	30	-	-	4,902
Sole, rex.....	\$34,932	\$3,451	\$1,232	819	-	-	\$1,673
Sole, whitebait.....	403,587	7,762	7,334	-	-	-	205,033
Sole, Dover.....	\$103,675	\$5,851	\$2,316	-	-	-	\$39,634
Sole, English.....	13,360,019	6,252,375	1,534,917	2,578,108	-	-	428,683
Sole, petrale.....	\$3,663,994	\$1,603,498	\$307,869	\$629,818	-	-	\$11,842
Sole, rex.....	1,057,063	877,364	338,759	111,476	-	-	24,385,412
Sole, whitebait.....	\$395,874	\$326,624	\$104,247	\$43,617	1	-	86,205,179
Sole, rex.....	552,192	395,187	166,277	484,616	1,327	-	2,389,989
Sole, whitebait.....	\$404,858	\$302,322	\$120,375	\$438,648	83	81,131	\$871,232
Sole, rex.....	1,039,926	408,144	154,805	252,994	110	903	1,600,400
Sole, whitebait.....	\$384,661	\$151,753	\$55,762	\$90,418	814	-	\$1,265,773
Sole, rex.....	-	-	-	-	-	-	1,856,179
Sole, whitebait.....	-	-	-	-	-	-	\$682,708

MARINE FISH LANDINGS 1977-1986

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TABLE 13—Cont'd.

TABLE 13 (continued). Value of Landings and Shipments of Commercial Fish Into California by Area, 1986

Species	Eureka	San Francisco	Monterey	Santa Barbara	Los Angeles	San Diego	Total
Sole, sand.....	56,233	287,355	8,212	2,550	-	16	354,366
Sole, miscellaneous....	\$37,216	\$188,870	\$5,015	\$912	-	\$16	\$232,029
Surferch.....	31,875	52,327	15,718	33,700	6,169	3,902	143,691
Swordfish.....	\$8,562	\$17,543	\$4,627	\$13,550	\$3,384	\$3,681	\$51,347
Thornyhead.....	35,001	38,258	2,949	22,338	14,422	12,045	124,983
Tuna, bigeye.....	\$28,309	\$28,319	\$1,424	\$23,429	\$10,477	\$7,615	\$99,573
Tuna, bluefin.....	1,059	205,475	255,554	893,184	1,270,130	1,220,530	3,845,932
Tuna, skipjack.....	\$3,018	\$664,432	\$811,048	\$2,876,383	\$4,358,113	\$4,126,722	\$12,839,776
Tuna, albacore.....	4,885,358	614,126	307,163	686,428	1,485	-	6,494,560
Tuna, yellowfin.....	\$1,377,170	\$171,868	\$71,293	\$187,392	\$413	-	\$1,800,736
Tuna, miscellaneous....	1,497,737	\$81,528	1,098,219	950,528	2,928,837	191,324	7,248,173
Tuna, miscellaneous....	\$814,606	\$326,009	\$569,343	\$494,930	\$1,592,403	\$112,123	\$3,909,414
Tuna, miscellaneous....	-	-	550	1,935	21,084	79,747	83,316
Tuna, miscellaneous....	-	-	\$605	\$2,683	\$14,914	\$71,408	\$89,610
Tuna, miscellaneous....	-	-	180	1,045	10,421,802	8,017	10,423,444
Tuna, miscellaneous....	-	-	\$180	\$1,086	\$8,094,712	\$10,459	\$8,106,437
Tuna, miscellaneous....	9	-	774	-	2,726,509	273,048	3,000,340
Tuna, miscellaneous....	\$5	-	\$176	-	\$950,080	\$51,094	\$601,355
Tuna, miscellaneous....	-	192	405	2,847	47,151,000	281,729	47,436,173
Tuna, miscellaneous....	-	\$384	\$220	\$2,455	\$41,571,460	\$157,310	\$41,731,829
Tuna, miscellaneous....	-	1,060	893	1,453	307,433	4,497	319,536
Tuna, miscellaneous....	-	\$658	\$712	\$1,344	\$186,978	\$8,539	\$198,231
Turbot.....	14,989	2,621	235	2,002	-	-	19,847
Yellowtail.....	\$4,584	\$615	\$76	\$732	-	-	\$6,007
Miscellaneous fish.....	-	7,756	180	12,353	21,398	16,099	57,746
Miscellaneous fish.....	-	\$2,994	\$91	\$10,647	\$12,645	\$19,681	\$42,958
Miscellaneous fish.....	116,774	10,488	48,955	13,348	21,276	5,852	216,693
Miscellaneous fish.....	\$3,189	\$6,249	\$19,962	\$10,413	\$28,079	\$6,618	\$74,510
Crustacean:							
Crab, Dungeness.....	6,541,988	1,206,500	625	6,589	2,575	-	7,758,277
Crab, rock.....	\$8,696,036	\$2,318,143	\$831	\$6,713	\$2,495	-	\$11,024,418
Crab, rock.....	16,446	67,482	2,284	795,442	1,041,373	234,181	2,097,408
Lobster, California	\$24,345	\$88,819	\$2,075	\$654,941	\$949,460	\$234,699	\$1,954,339
Lobster, California	-	-	53	122,482	164,699	201,370	488,504
Lobster, California	-	-	\$318	\$546,372	\$757,014	\$923,763	\$2,227,467
Lobster, California	-	-	-	\$45,081	122,983	2,509	\$70,573
Lobster, California	-	-	-	\$472,344	\$116,546	\$2,705	\$591,595
Lobster, California	-	391	7,850	41,139	48,847	4,139	102,486
Lobster, California	-	\$1,594	\$40,531	\$216,962	\$180,885	\$17,333	\$497,305
Lobster, California	-	1,475	-	\$69,093	806	-	6,757,818
Lobster, California	\$3,141,953	\$2,213	-	\$470,942	\$518	-	\$3,615,626
Lobster, California	2,784	14,529	2,614	3,701	1,575	3,365	28,568
Lobster, California	\$1,252	\$38,951	\$15,170	\$9,717	\$8,333	\$11,596	\$88,019
Lobster, California	639	2,249	299	39,510	35,395	5,207	\$3,299
Lobster, California	\$867	\$4,340	\$313	\$22,671	\$18,340	\$2,772	\$43,303
Echinoderm:							
Sea cucumber.....	-	-	-	75,050	2,867	50	77,967
Sea urchin.....	-	-	-	\$15,221	\$1,336	\$11	\$16,568
Sea urchin.....	7,503,173	2,671,198	-	18,253,614	5,105,523	600,517	34,134,025
Sea urchin.....	\$1,807,185	\$599,207	-	\$5,652,179	\$1,455,879	\$185,549	\$9,699,975

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TABLE 13. Value of Landings and Shipments of Commercial Fish Into California by Area, 1986

Miscellaneous	-	7	-	40	5,209	-	5,256
Mollusk: echinoderm....	-	\$10	-	\$52	\$1,229	-	\$1,291
Abalone, black.....	5,920	-	996	185,925	74,391	220	267,452
Abalone, green.....	\$1,567	-	\$2,390	\$432,308	\$172,971	\$474	\$609,710
Abalone, pink.....	-	-	-	2,292	21,799	1,659	25,750
Abalone, red.....	-	94	-	\$10,593	\$99,770	\$8,259	\$118,622
Abalone, white.....	-	63,353	635	24,040	24,955	2,781	51,830
Abalone, miscellaneous.	-	\$312	-	\$95,326	\$109,046	\$13,657	\$218,341
Clam.....	-	83,353	835	177,751	13,109	8,454	263,302
Octopus.....	10,985	\$279,116	\$3,407	\$639,654	\$31,250	\$32,968	\$1,006,405
Snail, sea.....	-	-	-	623	253	-	876
Squid, market.....	821	1,834,016	12,098,653	15,063,011	17,912,085	36	46,908,622
Miscellaneous mollusk..	\$212	\$214,639	\$1,326,292	\$1,498,982	\$1,842,115	\$11	\$4,882,251
Total pounds.....	70,490,119	49,765,456	32,279,670	63,343,876	194,520,731	5,990,459	416,390,311
Total value.....	\$31,962,880	\$23,681,823	\$8,965,407	\$23,453,162	\$72,547,813	\$7,942,420	\$168,553,504
<b>SHIPMENTS:</b>							
<b>Fish:</b>							
Tuna, albacore.....	-	-	-	-	3,496,916	-	3,496,916
Tuna, skipjack.....	-	-	-	-	\$1,874,414	-	\$1,874,414
Total pounds.....	-	-	-	-	6,195,142	-	6,195,142
Total value.....	-	-	-	-	\$2,376,016	-	\$2,376,016
Grand total pounds..	70,490,119	49,765,456	32,279,670	63,343,876	200,715,873	5,990,459	422,585,453
Grand total value...	\$31,962,880	\$23,681,823	\$8,965,407	\$23,453,162	\$74,923,829	\$7,942,420	\$170,929,520

TABLE 13—Cont'd.



TABLE 14. Statewide Catch by Species of Commercial Passenger Fishing Vessels (Not including anchored barges) 1977-1986

Species	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Barracuda, California.....	48,701	73,174	69,634	27,909	69,924	73,135	81,989	87,414	75,448	88,118
Bass, kelp and sand.....	398,089	476,982	462,980	385,432	739,362	587,349	463,270	359,913	272,620	700,602
Bonito, Pacific.....	161,962	315,643	538,467	360,508	636,051	218,478	348,050	377,678	120,139	340,480
Cabezon.....	5,620	8,887	5,469	6,208	5,830	5,247	3,758	1,759	1,760	4,386
Halibut, California.....	6,982	5,409	6,329	6,517	11,440	11,804	5,682	3,209	7,090	7,848
Lingcod.....	46,321	65,869	75,826	89,349	65,604	49,791	30,543	23,797	20,603	25,585
Mackerel, jack.....	8,789	5,237	2,937	4,166	2,986	4,404	5,308	13,261	6,825	4,390
Mackerel, Pacific.....	484,722	940,204	1,272,038	1,315,971	1,007,198	914,238	630,003	604,324	695,708	605,716
Rockfish.....	3,216,071	2,955,435	3,773,670	3,315,952	3,315,718	3,089,655	2,366,270	2,015,791	2,083,129	1,802,017
Salmon.....	56,157	45,646	69,904	69,500	85,629	102,576	55,260	71,491	108,343	88,679
Sculpin.....	73,214	44,114	64,226	95,615	73,362	67,339	50,834	46,538	66,762	72,475
Seabass, white.....	2,096	433	1,352	1,004	887	1,899	1,003	973	1,045	1,634
Sheepshead, California.....	28,512	34,409	31,995	34,368	46,479	37,242	68,972	38,522	35,934	36,707
Tuna, albacore.....	70,274	92,646	10,196	21,309	26,648	36,690	17,161	211,285	172,493	27,322
Tuna, bluefin.....	1,838	479	1,087	729	542	665	1,912	2,834	4,960	693
Whitefish, ocean.....	61,058	38,006	36,957	28,810	24,378	22,604	22,095	64,241	84,441	73,919
Yellowtail.....	34,141	38,528	71,483	44,246	88,911	37,308	178,888	96,016	45,509	42,005
All others.....	144,363	115,250	186,278	215,191	115,387	110,221	313,898	153,247	86,887	152,345
Total number of fish.....	4,849,472	5,256,351	6,630,658	6,407,784	6,314,534	5,370,645	4,624,996	4,172,393	4,149,696	4,075,121
Total number of anglers.....	716,536	732,460	786,347	761,958	830,653	773,473	691,792	701,737	711,787	660,294

TABLE 14. Statewide Catch by Species of Commercial Passenger Fishing Vessels (Not including anchored barges) 1977-1986